CES Certified Environmental Services, Inc.

1401 Erie Blvd. East
Syracuse, NY 13210
Phone 315-478-2374
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ALASKAN OIL, INC.
ROUTE 13 & CEMETERY STREET
ALTMAR, NEW YORK

SPILL ID #9614774

GROUNDWATER MONITORING SERVICES
2ND QUARTER 1998

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GROUNDWATER MONITORING SERVICES
2ND QUARTER 1998

PREPARED FOR:

Alaskan Oil, Inc.
120 Wilkinson Street
Syracuse, New York

&

New York State Department of
Environmental Conservation

PREPARED BY:

Certified Environmental Services, Inc.
1401 Erie Boulevard East
Syracuse, New York

September 22, 1998

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CES Certified Environmental Services, Inc.

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1.0 EXECUTIVE SUMMARY

On behalf of Alaskan Oil, Inc. (AOI), Certified Environmental Services, Inc. (CES) is pleased to submit this report of groundwater monitoring services associated with the AOI property located at Route 13 & Cemetery Street, Altmar, New York. This report contains groundwater quality data representing the second quarter 1998 and subsurface soil data obtained during the installation of groundwater monitoring wells MW-8, MW-9 and MW-10 in May 1998.

Rotary hollow stem augers were utilized to advance the soil borings. Soil grab samples were retrieved from two inch diameter split spoon samplers. The soils retrieved during drilling activities were screened for volatile organic compounds (VOC's) utilizing a photoionization detector (PID) meter. Soils retrieved from monitoring wells MW-8 and MW-9 did not exhibit PID readings above 5 parts per million (ppm). However, PID readings from MW-10 ranged from 25 to 1,025ppm.

Soil grab samples collected from each of the boreholes were composed per location to produce a total of three composite soil samples. The three composite soil samples were submitted to CES environmental laboratory for VOC analysis in accordance with USEPA Method 8021 and semi-volatile organic compound (SVOC) analysis in accordance with USEPA Method 8270. Laboratory analytical results from the soil samples collected from MW-8 and MW-9 indicate compliance with NYSDEC Spill Technology And Remediation Series (STARS) guidance values for the VOC and SVOC parameters and detection limits for which the analyses were conducted. Laboratory analytical results from the soil sample collected from MW-10 indicates numerous VOC concentrations which exceed NYSDEC STARS TCLP *Alternative* guidance values. Results from laboratory analyses conducted on the soil sample collected from MW-10 identified a total BTEX concentration of 22,600 parts per billion (ppb). The soil sample from MW-10 was resubmitted to CES's laboratory for TCLP analyses in accordance with USEPA Methods 8021 and 8270. Results from these analyses indicate numerous VOC concentrations which exceed NYSDEC STARS TCLP *Extraction* guidance values.

Once installed monitoring wells MW-8, MW-9 and MW-10 were developed, surveyed and sampled by CES personnel along with the other monitoring wells associated with the site. Groundwater samples were then submitted to CES laboratory for volatile analysis in accordance with USEPA Method 8021 and semi-volatile analysis in accordance with USEPA Method 8100. The referenced analytical methodologies are acceptable to the New York State Department of Health (NYSDOH), the New York

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1.0 EXECUTIVE SUMMARY (Cont'd)

Department of Environmental Conservation (NYSDEC) and/or the United States Environmental Protection Agency (USEPA).

Results from volatile laboratory analysis are generally consistent with past monitoring findings. Results from laboratory analyses conducted on groundwater samples collected from monitoring wells MW-2, MW-3, MW-4 and MW-7 did not reveal concentrations of petroleum related VOC's or SVOC's which exceed NYSDEC Water Quality Standards and Guidance Values. However, results from laboratory analyses conducted on the groundwater samples collected from MW-1, MW-5 and MW-6 during the May 1998 monitoring event detected concentrations of contaminants exceeding NYSDEC Water Quality Standards and Guidance Values. Newly installed monitoring well MW-8 revealed a benzene concentration of 0.9 ug/L. No concentrations of the chemicals of concern were identified in monitoring well MW-9. A total BTEX concentration of 11,500 ug/L was identified in MW-10.

Based on these findings, CES recommends that monitoring wells MW-1 through MW-10 be sampled on a quarterly basis for analyses in accordance with USEPA Methods 8021 and 8100. Groundwater elevation data should continue to be collected on a monthly basis. CES also recommends soil borings and additional monitoring wells/recovery wells be installed on-site in the vicinity of the pump island. An activated carbon treatment system should be installed on the sites drinking water influent. Monthly sampling and analyses of the water treatment system is recommended.

2.0 SITE ACTIVITIES

AOI provided the equipment, labor and materials to advance the soil borings and install the groundwater monitoring wells. Certified Environmental Services, Inc., an environmental laboratory and consulting firm, was retained by AOI to provide a geologist on-site during the drilling activities to visually classify the soil samples retrieved and screen soil for volatile organic compounds with a photoionization detector meter. CES personnel composited individual soil grab samples and collected groundwater samples. Soil and groundwater samples were submitted to CES NYSDOH approved laboratory (Environmental Laboratory Approval Program #11246) for analyses.

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2.1 Soil Boring Advancement

To better define off-site petroleum impacts to groundwater, three groundwater monitoring wells were installed in the New York State Department of Transportation right-of-way along Route 13 adjacent to the AOI gasoline station. A scaled map of the site illustrating the location of the groundwater monitoring wells MW-8, MW-9 and MW-10 is included as Figures 3 and 4 in Appendix A.

The soil borings were advanced to desired depth utilizing 4 1/4-inch inside diameter (I.D.) hollow stem augers. Soil samples were recovered continuously in accordance with ASTM Method 1586-D (Split-Barrel Sampling) using a 2-inch outside diameter (O.D.) split-barrel sampler.

Soil encountered during the advancement of the soil borings was composed of predominantly brown fine sand and silt with varying percentages of other constituents such as course and medium sand. During the soil boring advancement, groundwater was encountered at approximately six feet below grade. Soil retrieved from the split spoon sampling tubes were screened for VOC's with a PID meter. As indicated on the soil boring logs provided in Appendix B, PID soil headspace readings were measured as high as 1,025ppm at four to six feet below grade during the advancement of soil boring MW-10. No PID readings above 5ppm were measured at monitoring wells MW-8 or MW-9.

2.2 Soil Analytical Sampling

Soil grab samples collected from each of the borings were composited per borehole to produce a total of three composite soil samples. Soil samples were placed in laboratory supplied glass jars, preserved on ice, and transported accompanied by Chain-of-Custody documentation to CES laboratory located in Syracuse, New York. The soil samples were submitted to CES laboratory for total analyses in accordance with USEPA Method 8021 and USEPA Method 8270.

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2.3 *Groundwater Monitoring Well Installation*

Upon reaching the desired depth at three designated soil boring locations, a groundwater monitoring well was installed into the boreholes. The groundwater monitoring wells were constructed of a ten foot length of 0.010-inch slot size, Schedule 40 PVC screen and an appropriate length of 2-inch I.D. Schedule 40 riser. The annulus between the soil boring side and the monitoring well material was filled from the bottom of the soil boring to above the top of the well screen with #3Q washed silica sand filter pack. A bentonite seal was installed above the sand filter pack. A cement/bentonite grout was installed into the well annulus from the top of the bentonite seal to the ground surface. The monitoring well screen was positioned in the soil boring so as the groundwater table would consistently intersect the wells screened interval. An attempt was made to screen the groundwater table with the monitoring well screen to aid in the identification of possible petroleum which may have been floating atop the groundwater. At the ground surface each monitoring well was finished at grade with a flushmount protective casing and a locking compression cap. The Groundwater Monitoring Well Construction Details and Soil Boring Logs are included in Appendix B.

2.4 *Groundwater Monitoring Well Development and Survey*

Upon completion of the three groundwater monitoring wells, each well was developed utilizing a bottom filling disposable bailer. The monitoring wells were developed to remove suspended fine material from the well and entrained fine material from the sand filter pack.

Following the installation of the groundwater monitoring wells and casing, a relative horizontal position and elevation survey was conducted on the top of the well casings. The relative elevation and horizontal position of the top of each groundwater monitoring well was surveyed to the nearest one-one hundredth (0.01) of a foot in relation to a benchmark arbitrarily established on the AOI property. The monitoring well relative elevation and horizontal position survey was conducted to aid in the calculation of the groundwater flow direction and gradient.

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2.5 Groundwater Analytical Sampling

On May 14, 1998 a groundwater sample was recovered from each of the ten groundwater monitoring wells and submitted for laboratory analyses. The following procedures were utilized to obtain groundwater samples from monitoring wells:

1. Prior to the initiation of evacuation activities, each well was visually inspected for signs of damage, tampering or any other unusual observations.

2. Water levels were measured to the nearest 1/100th of a foot using an electronic water level indicator. The measurement was noted on the sample characterization sheet to determine the volume of water in the well. The water level indicator probe and associated cable were cleaned between wells to prevent cross contamination.

3. After completing initial field measurements, each well was evacuated using dedicated PVC bailers in a manner which created the least turbidity. CES personnel evacuated approximately three (3) to five (5) well volumes or to dryness from each well. Purged volumes are identified on chain-of-custody information sheets.

4. The wells were allowed to adequately recharge prior to collecting samples. Field parameters were again checked using the portable field instrumentation. Field instrumentation was calibrated at the beginning of the day and periodically checked and recelebrated in accordance with the manufacturers specifications.

5. Samples were collected in the appropriate bottles along with the required preservatives for the analyses to be performed.

6. Trip blanks and replicate samples were collected and submitted to the laboratory along with the samples.

7. Sample Characterization/Chain-of-Custody forms were completed prior to samples leaving the site.

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2.5 Groundwater Analytical Sampling (Cont'd)

8. Samples were packed in shipping cartons and placed on ice to keep samples cool during transport to the laboratory. Upon arriving at the laboratory, the samples were signed for by CES' Log-In personnel to maintain the chain of custody. Each sample was assigned an identification number (Log Number) for tracking purposes.

2.6 Groundwater Elevation Data

Groundwater elevation contour and flow direction maps were created utilizing the relative elevation and position survey information and groundwater elevation data collected on April 27, 1998, May 14, 1998, and June 23, 1998, see Figures 2, 3 and 4 respectively. The contoured groundwater elevation data indicates that the groundwater beneath the AOI facility is generally flowing westerly across the site. The groundwater elevation data is included as Appendix C.

3.0 LABORATORY ANALYTICAL RESULTS

3.1 Soil Laboratory Analytical Results

As mentioned in Section 2.2, soil grab samples were collected and composited from MW-8, MW-9 and MW-10 boreholes. The three soil samples were submitted for laboratory analyses for VOC contaminant concentrations following USEPA Method 8021 and SVOC contaminant concentrations following USEPA Method 8270. Laboratory analytical results from the soil samples collected from MW-8 and MW-9 indicate compliance with NYSDEC STARS guidance values for the VOC and SVOC parameters and detection limits for which the analyses were conducted. Laboratory analytical results from the soil sample collected from MW-10 indicates numerous VOC concentrations which exceed NYSDEC STARS TCLP *Alternative* guidance values. Results from laboratory analyses conducted on the soil sample collected from MW-10 identified a total BTEX

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3.1 Soil Laboratory Analytical Results (Cont'd)

concentration of 22,600ppb. The soil sample from MW-10 was resubmitted to CES's laboratory for TCLP analyses in accordance with USEPA Methods 8021 and 8270. Results from subsequent analyses continue to indicate numerous VOC concentrations which exceed NYSDEC STARS TCLP *Extraction* guidance values.

3.2 Groundwater Laboratory Analytical Results

The recovered groundwater samples were submitted to CES for laboratory analyses for VOC contaminant concentrations following USEPA Method 8021 and SVOC contaminant concentrations following USEPA Method 8100. Results from volatile laboratory analysis are generally consistent with past monitoring findings. Results from laboratory analyses conducted on groundwater samples collected from monitoring wells MW-2, MW-3, MW-4 and MW-7 did not reveal concentrations of petroleum related VOC's or SVOC's which exceed NYSDEC Water Quality Standards and Guidance Values. However, results from laboratory analyses conducted on the groundwater samples collected from MW-1, MW-5 and MW-6 during the May 14, 1998 monitoring event detected concentrations of contaminants exceeding NYSDEC Water Quality Standards and Guidance Values. Newly installed monitoring well MW-8 revealed a benzene concentration of 0.9 ug/L. No concentrations of the chemicals of concern were identified in monitoring well MW-9. A total BTEX concentration of 11,500 ug/L was identified in MW-10.

4.0 CONCLUSIONS AND RECOMMENDATIONS

Second quarter 1998 groundwater monitoring samples were collected on May 14, 1998 from monitoring wells MW-1 through MW-10 at the Alaskan Oil, Inc. Route 13 & Cemetery Street gasoline station in Altmar, New York. Monitoring wells MW-8, MW-9 and MW-10 were installed in May 1998. Composite soil samples collected from MW-8 and MW-9 boreholes indicate compliance with NYSDEC STARS guidance values whereas the composite soil sample collected from MW-10 revealed numerous compounds which exceed NYSDEC STARS guidance values.

4.0 CONCLUSIONS AND RECOMMENDATIONS (Cont'd)

Groundwater samples were submitted to CES laboratory for volatile analysis in accordance with USEPA Method 8021 and semi-volatile analysis in accordance with USEPA Method 8100. Results from volatile laboratory analyses are generally consistent with past monitoring findings. Results from laboratory analyses conducted on groundwater samples collected from monitoring wells MW-2, MW-3, MW-4 and MW-7 did not reveal concentrations of petroleum related VOC's or SVOC's which exceed NYSDEC Water Quality Standards and Guidance Values. However, results from laboratory analyses conducted on the groundwater samples collected from MW-1, MW-5 and MW-6 during the May 14, 1998 monitoring event detected concentrations of contaminants exceeding NYSDEC Water Quality Standards and Guidance Values. Newly installed monitoring well MW-8 revealed a benzene concentration of 0.9 ug/L. No concentrations of the chemicals of concern were identified in monitoring well MW-9. A total BTEX concentration of 11,500 ug/L was identified in MW-10.

Based on these analytical findings, CES recommends that monitoring wells MW-1 through MW-10 be sampled on a quarterly basis for analyses in accordance with USEPA Methods 8021 and 8100. Groundwater elevation data should continue to be collected on a monthly basis. CES also recommends soil borings and additional monitoring wells/recovery wells be installed on-site in the vicinity of the pump island. An activated carbon treatment system should be installed on the sites drinking water influent. Monthly sampling and analyses of the water treatment system is recommended.

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APPENDIX A

Figures

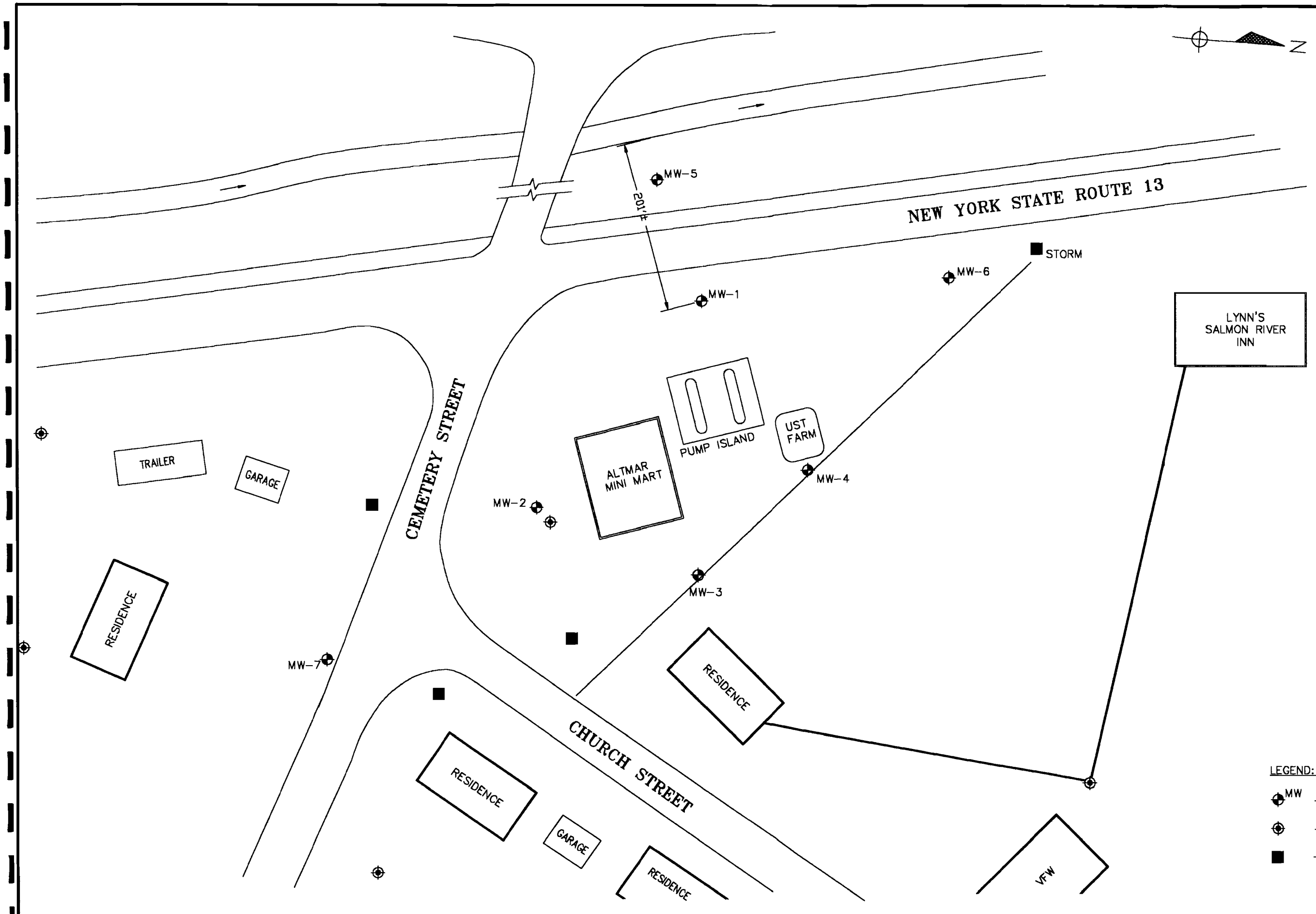

FIGURE 1

SITE PLAN

Alaskan Oil, Inc.
Route 13 and Cemetery Street
Altmar, N.Y.

SCALE: 1"=40'

DATE: 4/27/98

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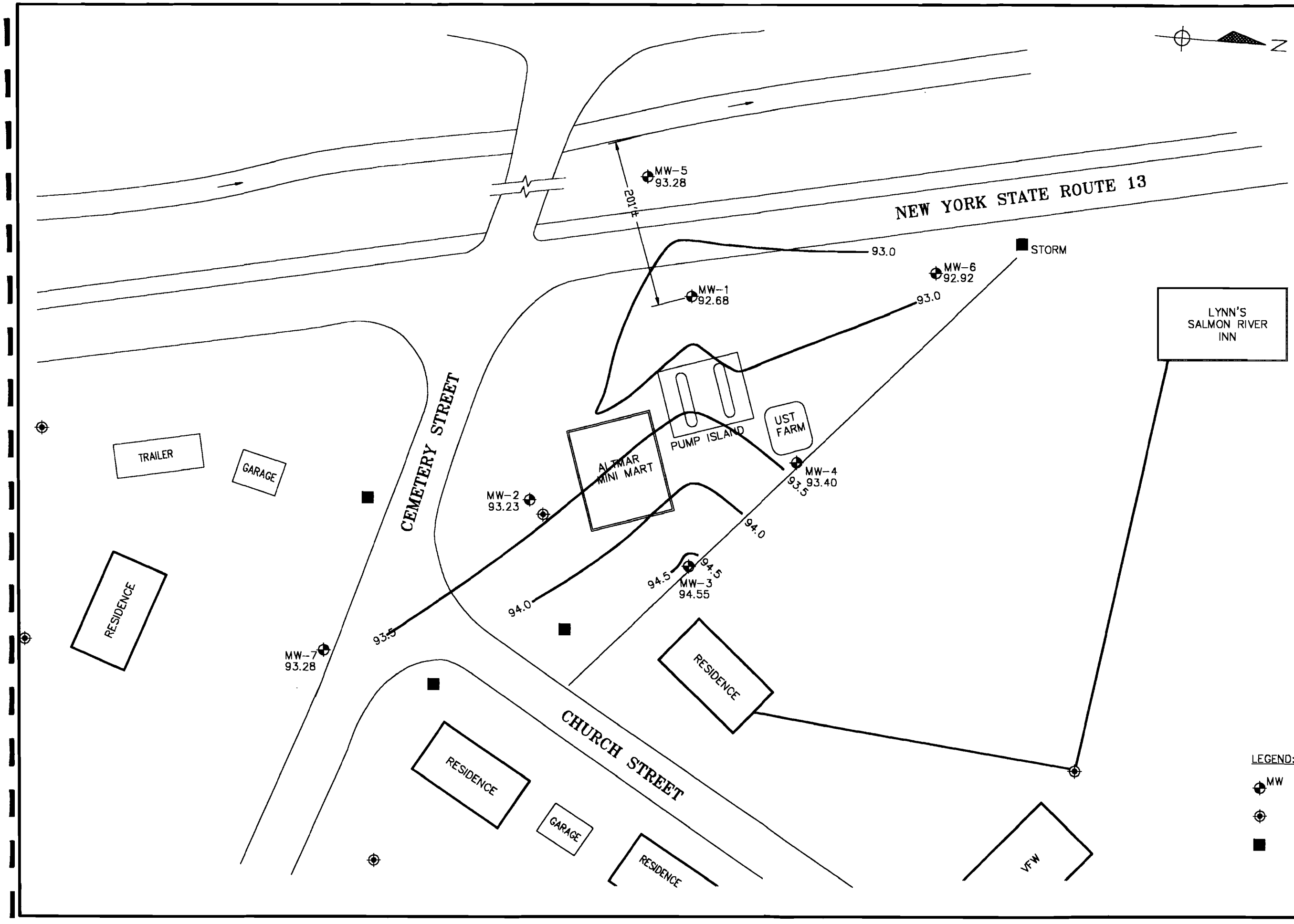

FIGURE 2
GROUNDWATER ELEVATION MAP

SCALE: 1"=40'

DATE: 4/27/98

Alaskan Oil, Inc.
Route 13 and Cemetery Street
Altmar, N.Y.

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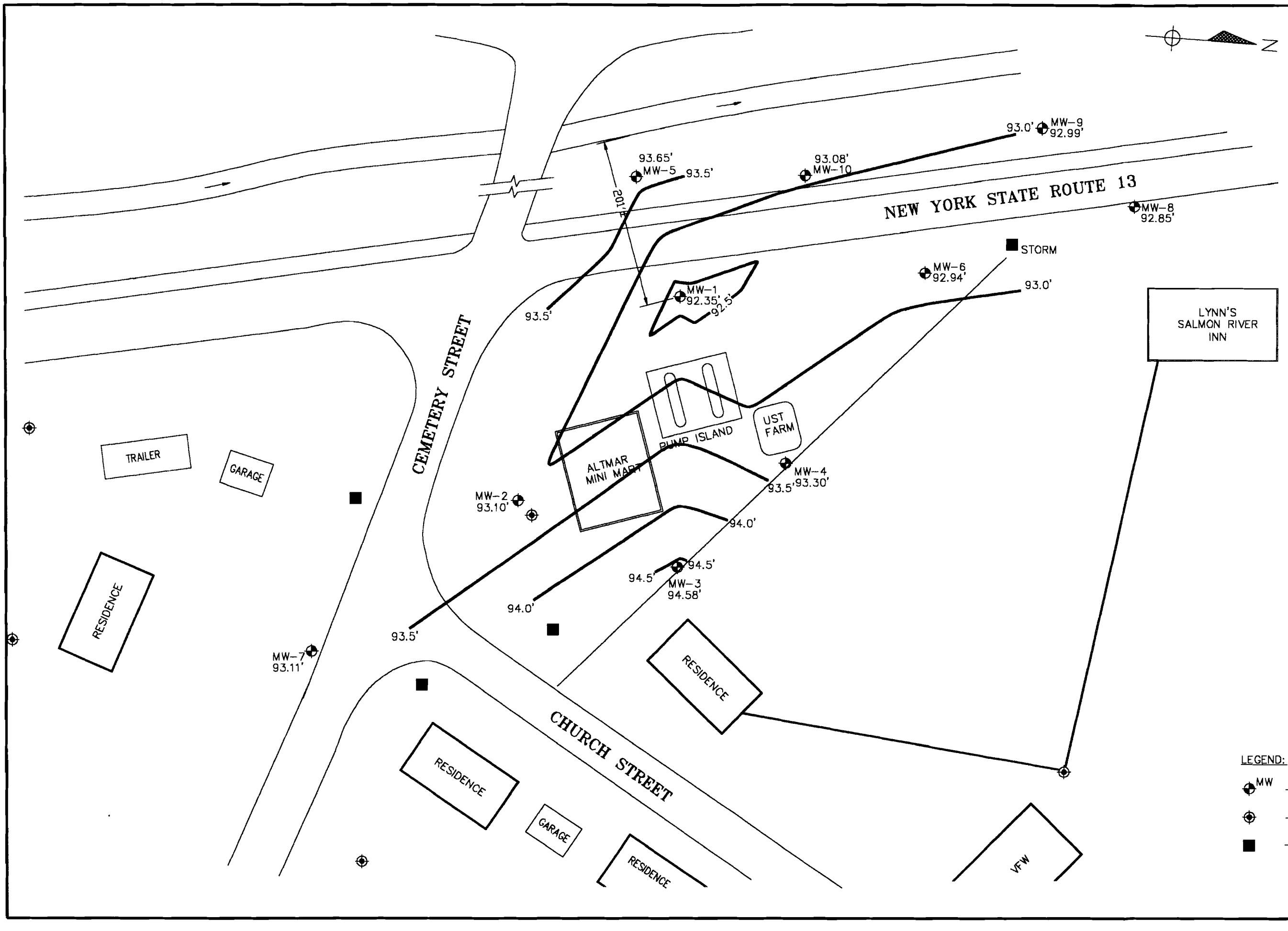

FIGURE 3 | SCALE: 1"=40' | DATE: 5/14/98

GROUNDWATER ELEVATION MAP

Alaskan Oil, Inc.
Route 13 and Cemetery Street
Altmar, N.Y.

CES Certified Environmental Services, Inc.

LEGEND:

- MW – MONITORING WELL
- – DRINKING WATER WELL
- – STORM CATCH BASIN

N

NEW YORK STATE ROUTE 13

CEMETERY STREET

CHURCH STREET

MW-1
92.68

MW-2
92.86

MW-3
94.65

MW-4
93.00

MW-5
93.09

MW-6
92.77

MW-7
92.99

MW-8
92.63

MW-9
92.84

MW-10
92.96

201' ±

93

93.5

94

94.5

STORM

ALTMAR MINI MART

PUMP ISLAND

UST FARM

LYNN'S SALMON RIVER INN

TRAILER

GARAGE

RESIDENCE

RESIDENCE

RESIDENCE

GARAGE

RESIDENCE

VFW

LEGEND:

MW – MONITORING WELL

– DRINKING WATER WELL

– STORM CATCH BASIN

FIGURE 4

SCALE: 1"=40'

DATE: 6/23/98

GROUNDWATER ELEVATION MAP

Alaskan Oil, Inc.
Route 13 and Cemetery Street
Altmar, N.Y.

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APPENDIX B

Soil Boring Logs
Groundwater Monitoring Well Construction Details

CES Certified Environmental Services, Inc.

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MONITORING WELL #8 BORING LOG

PROJECT: AOI/PEF #326

DATE: May 13, 1998

LOCATION: Rt. 13 & Cemetary Rd.
Altmar, NY

BORING LOCATION: 95' to MW-6 and 49' to MW-9

GEOLOGIST: Dan Bishuk
CONTRACTOR: Clemett & Co., Inc.
DRILLER(S): Mike Solazzo & Al Windly

BORING DESIGNATION: MW-8
GROUNDWATER: 6'
BACKGROUND PID= < 5.0ppm

DEPTH (ft)	BLOW COUNT (/ft)	PID READINGS (ppm)	SOIL IDENTIFICATION	OBSERVATIONS R = Recovery
0'-2'	N/A	< 5	0'-0.5' Asphalt; 0.5'-1' Macadam; 1'-2' Brown to Dark Brown very fine/fine SAND and SILT, trace medium/coarse Sand, moist to very moist, semi-cohesive	N/A
2'-4'	23-21 23-24	< 5	Brown very fine/fine SAND, little Silt, medium Sand and fine/medium Gravel, slightly moist, non-cohesive, loose, difficult drilling	R = 1.0'
4'-6'	30-18 15-13	< 5	Grayish Brown to Brown very fine/medium SAND, little Silt, trace coarse Sand and fine Gravel, moist, very moist at 5.5', non-cohesive	R = 1.6'
6'-8'	6-5 10-23	< 5	Brownish Gray very fine/medium SAND, little Silt, trace coarse Sand, wet at 6', non-cohesive, loose	R = 1.7'
8'-10'	12-19 19-11	< 5	Light Grayish Brown very fine SAND, some Silt, little fine Sand, wet, semi-cohesive, slightly stiff	R = 1.0'
10'-12'	6-8 9-8	< 5	Light Grayish Brown very fine SAND, some Silt, little fine Sand, wet, semi-cohesive, slightly stiff	R = 1.6'
12'-14'	5-6 6-5	< 5	12'-13.5' Light Grayish Brown very fine SAND, some Silt, little fine Sand, wet, semi-cohesive, slightly stiff; 13.5'-14' Brown very fine/fine SAND, little Silt, wet, non-cohesive, loose	R = 2.0'
Completion Depth @13.8' Bedrock not encountered				

NOTE: Method of Investigation: Hollow Stem Auger
Classification visual by Geologist
R = Recovery from 2" diameter, 2' split spoon sampler
Blow Count = Number of 30" drops with 140 lb. hammer per 1'
N/A = Not Available

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MONITORING WELL #9 BORING LOG

PROJECT: AOI/PEF #326

DATE: May 13, 1998

LOCATION: Rt. 13 & Cemetary Rd. Altmar, NY

BORING LOCATION: 49' to MW-8, 71' to MW-6 and 106.5' to MW-10

GEOLOGIST: Dan Bishuk
CONTRACTOR: Clemett & Co., Inc.
DRILLER(S): Mike Solazzo & Al Windly

BORING DESIGNATION: MW-9
GROUNDWATER: 6'
BACKGROUND PID= < 5.0ppm

DEPTH (ft)	BLOW COUNT (/ft)	PID READINGS (ppm)	SOIL IDENTIFICATION	OBSERVATIONS R = Recovery
0'-2'	N/A	< 5	0'-0.5' Asphalt; 0.5'-1.5' Macadam; 1.5'-2' Brown to Dark Brown very fine/medium SAND, some Silt, little fine/medium Gravel, moist	N/A
2'-4'	10-15 18-23	< 5	Brown very fine/fine SAND, little Silt and medium Sand, trace coarse Sand and fine Gravel, slightly moist, non-cohesive, loose	R = 1.0'
4'-6'	21-30 23-26	< 5	Brown very fine/medium SAND, little Silt, trace coarse Sand, moist, very moist at 5.2', non-cohesive, loose	R = 1.8'
6'-8'	7-7 5-4	< 5	Brown very fine/medium SAND, little Silt, trace coarse Sand, wet at 6', non-cohesive, loose	R = 1.7'
8'-10'	6-11 11-11	< 5	8'-9.7' Brown very fine/medium SAND, little Silt, trace coarse Sand, wet, non-cohesive, loose; 9.7'-10' Light Brownish Gray very fine SAND, some Silt, wet, semi-cohesive, slightly stiff	R = 2.0'
10'-12'	6-7 6-5	< 5	Light Brownish Gray very fine SAND, some Silt, wet, semi-cohesive, slightly stiff	R = 1.7'
12'-14'	5-6 5-3	< 5	Light Brownish Gray very fine SAND, some Silt, wet, semi-cohesive, slightly stiff	R = 1.8'
Completion Depth @14' Bedrock not encountered				

NOTE: Method of Investigation: Hollow Stem Auger
Classification visual by Geologist
R = Recovery from 2" diameter, 2' split spoon sampler
Blow Count = Number of 30" drops with 140 lb. hammer per 1'
N/A = Not Available

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MONITORING WELL #10 BORING LOG

PROJECT: AOI/PEF #326

DATE: May 14, 1998

LOCATION: Rt 13 & Cemetary Rd
Altmar, NY

BORING LOCATION: 106.2' to MW-9, 80.5' to MW-1 and 85.5' to MW-10

GEOLOGIST: Dan Bishuk
CONTRACTOR: Clemett & Co., Inc.
DRILLER(S): Mike Solazzo & Al Windly

BORING DESIGNATION: MW-10
GROUNDWATER: 6'
BACKGROUND PID= < 5.0ppm

DEPTH (ft)	BLOW COUNT (/ft)	PID READINGS (ppm)	SOIL IDENTIFICATION	OBSERVATIONS R = Recovery
0'-2'	N/A	< 5	0'-0.5' Asphalt; 0.5'-2' Macadam FILL; Brown fine/coarse GRAVEL, some fine/coarse Sand, slightly moist, difficult drilling	N/A
2'-4'	N/A	**25**	Brown very fine/medium SAND, little coarse Sand, trace Silt, slightly moist, non-cohesive	N/A
4'-6'	7-7 16-40	**1,025**	4'-5.2' Brown very fine/medium SAND, little coarse Sand, trace Silt, moist to very moist at 5', non-cohesive; 5.2'-6' Brownish Green very fine/fine Sand, some Silt, little fine/medium Gravel, trace Clay, very moist, gasoline odor, semi-cohesive	R = 2.0'
6'-8'	15-20 15-26	**861**	Greenish Gray to Grayish Brown very fine/medium SAND, some Silt, wet at 6', semi-cohesive, gasoline odor	R = 1.8'
8'-10'	7-8 8-7	**798**	Grayish Brown very fine/fine SAND, some Silt, wet, semi-cohesive, slight gasoline odor	R = 1.5'
10'-12'	2-6 6-5	**365**	Light Grayish Brown very fine SAND, little Silt, trace fine Sand, wet, non-cohesive, slight gasoline odor	R = 1.3'
12'-14'	2-2 4-5	**94**	Light Grayish Brown very fine SAND, some Silt, wet, semi-cohesive	R = 1.7'
Completion Depth @14' Bedrock not encountered				

NOTE: Method of Investigation: Hollow Stem Auger
Classification visual by Geologist
R = Recovery from 2" diameter, 2' split spoon sampler
Blow Count = Number of 30" drops with 140 lb. hammer per 1'
N/A = Not Available

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MONITORING WELL BORING LOG

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Syracuse, New York 13210
Ph (315) 478-2374 Fax (315) 478-2107

DRILLING SUMMARY

Geologist: Dan Bishuk

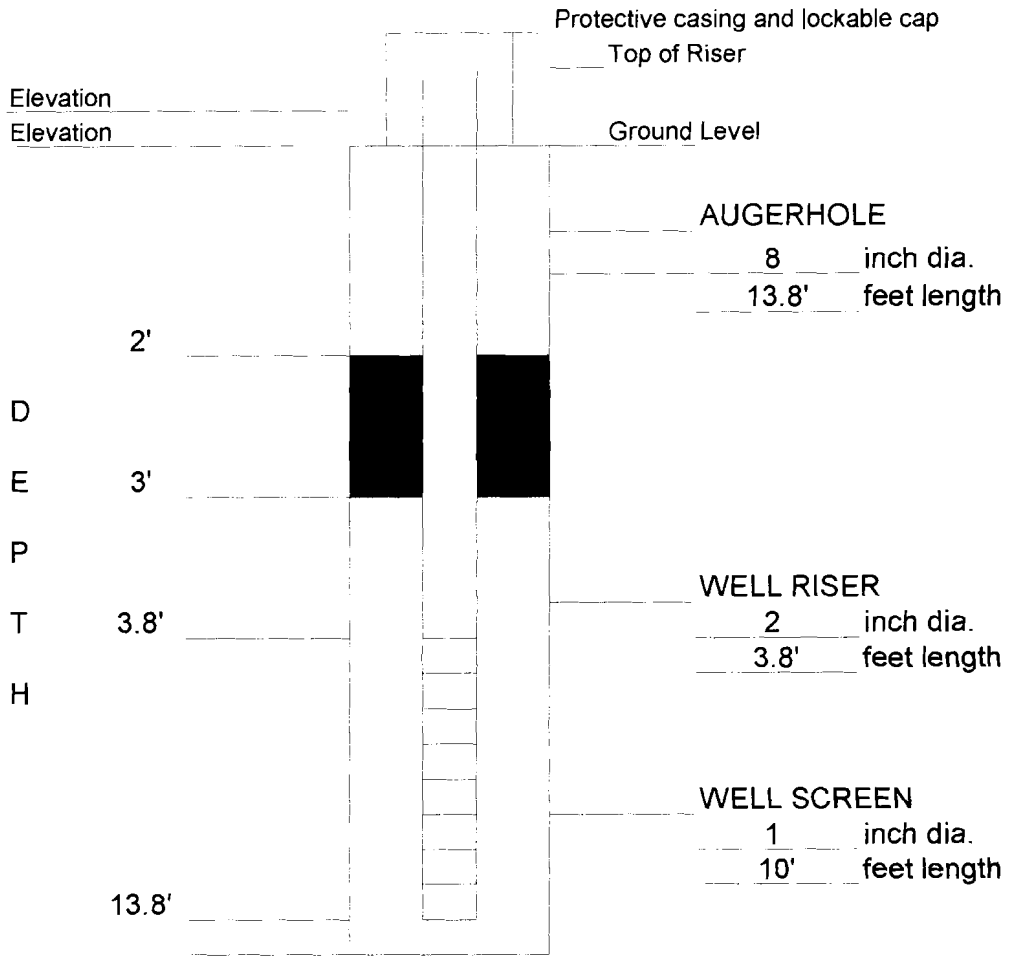
Drilling Company: Clemett & Co., Inc.

Driller: Mike Solazzo & Al Wandly

Date: May 13, 1998

GEOLOGIC LOG

depth (ft)	lithology
0'-8'	Grayish Brown vf/m SAND, little Silt
10'-13.5'	Light Grayish Brown vf SAND, some Silt, little fine Sand
13.5'-14'	Brown vf/f SAND, little Silt



WELL DESIGN

CASING MATERIAL

Surface: Flush Mount

Monitor: 2" diameter Schedule 40 PVC

SCREEN MATERIAL

Type: Schedule 40 PVC (2" diameter)

Slot Size: 0.010"

SEAL MATERIAL

Seal #1 Type Bentonite Pellets
Setting 2'-3'

SEAL #2 Type Portland Cement
Setting N/A

FILTER MATERIAL

Type: #3 Q-ROK Silica Sand

Setting: 3' - 13.8'

LEGEND

- Cement/Bentonite Grout
- Bentonite Seal
- Silica Sandpack

Client:	Project:	Project No: AOI/PEF #326
Alaskan Oil, Inc.	Altmar Mini-Mart Route 13 & Cemetary Street Altmar, New York	**Well No:** MW-8

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MONITORING WELL BORING LOG

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Ph (315) 478-2374 Fax (315) 478-2107

DRILLING SUMMARY

Geologist: Dan Bishuk

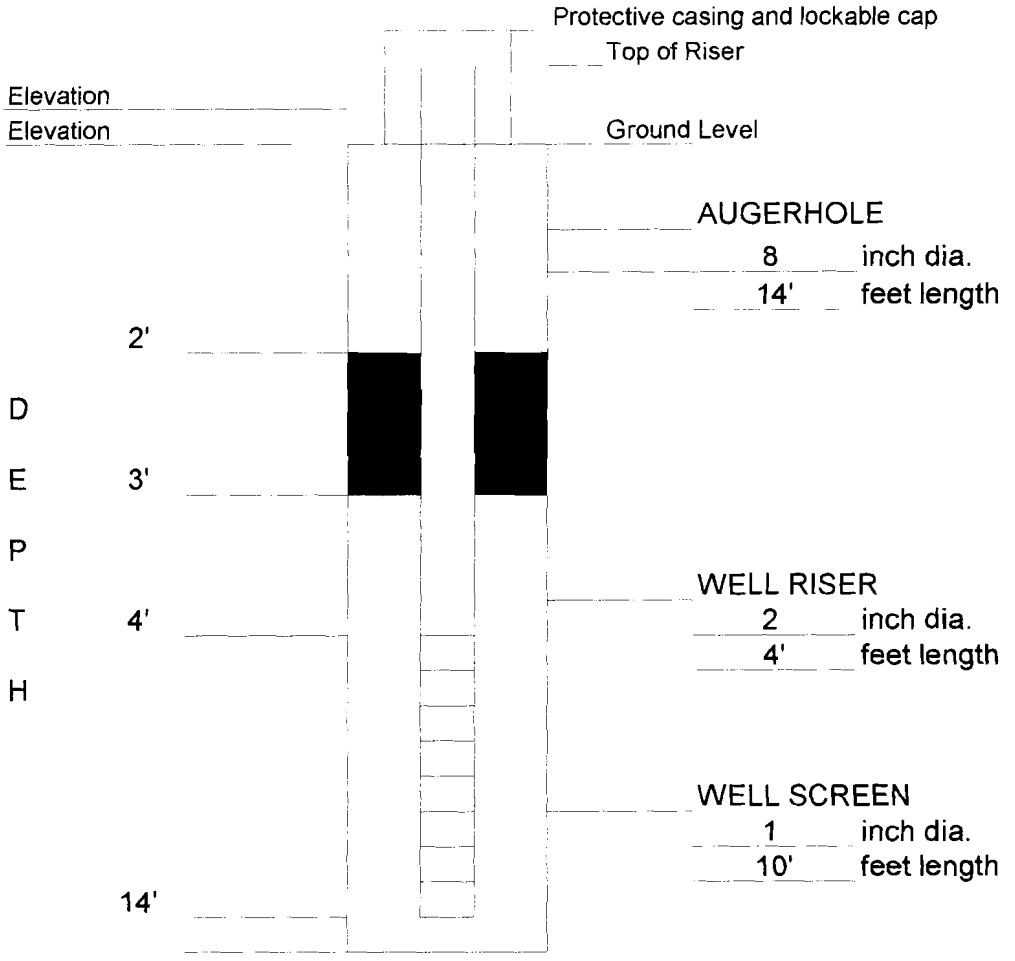
Drilling Company: Clemett & Co., Inc.

Driller: Mike Solazzo & Al Wandly

Date: May 13, 1998

GEOLOGIC LOG

depth (ft)	lithology
0' - 9.7'	Brown vf/m SAND, little Silt, trace coarse Sand
9.7' - 14'	Light Brownish Gray vf/f SAND, some Silt



WELL DESIGN

CASING MATERIAL

Surface: Flush Mount

Monitor: 2" diameter Schedule 40 PVC

SCREEN MATERIAL

Type: Schedule 40 PVC (2" diameter)

Slot Size: 0.010"

SEAL MATERIAL

Seal #1 Type Bentonite Pellets
Setting 2'-3'

SEAL #2 Type Portland Cement
Setting N/A

FILTER MATERIAL

Type: #3 Q-ROK Sllica Sand

Setting: 3' - 14'

LEGEND

Cement/Bentonite Grout

Bentonite Seal

Silica Sandpack

Client:	Project:	Project No: AOI/PEF #326
Alaskan Oil, Inc.	Altmar Mini-Mart Route 13 & Cemetary Street Altmar, New York	**Well No:** MW-9

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MONITORING WELL BORING LOG

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Syracuse, New York 13210
Ph (315) 478-2374 Fax (315) 478-2107

DRILLING SUMMARY

Geologist: Dan Bishuk

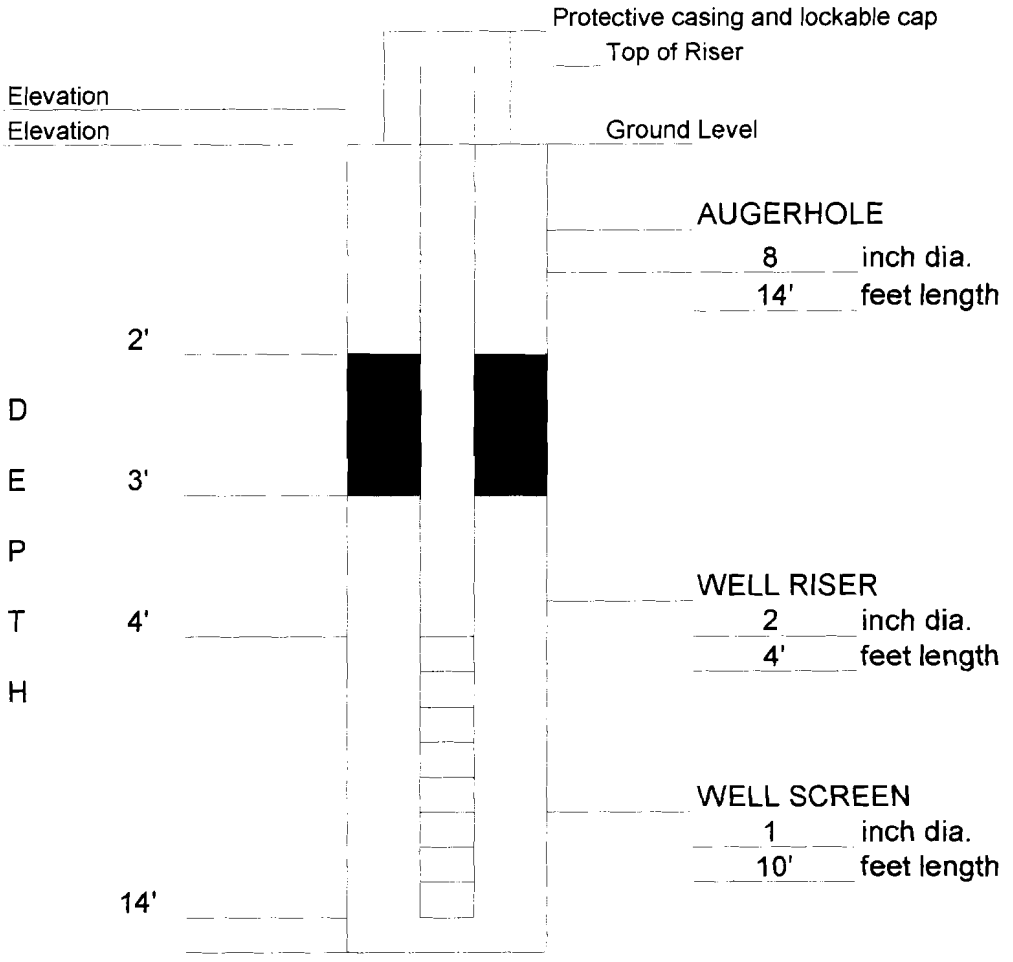
Drilling Company: Clemett & Co., Inc.

Driller: Mike Solazzo & Al Wandly

Date: May 14, 1998

GEOLOGIC LOG

depth (ft)	lithology
0' - 8'	Greenish Brown vf/m SAND, some Silt
8'-14'	Grayish Brown vf SAND, some Silt, little fine Sand



WELL DESIGN

CASING MATERIAL

Surface: Flush Mount

Monitor: 2" diameter Schedule 40 PVC

SCREEN MATERIAL

Type: Schedule 40 PVC (2" diameter)

Slot Size: 0.010"

SEAL MATERIAL

Seal #1 Type Bentonite Pellets
Setting 2'-3'

SEAL #2 Type Portland Cement
Setting N/A

FILTER MATERIAL

Type: #3 Q-ROK Silica Sand

Setting: 3' - 14'

LEGEND

- Cement/Bentonite Grout
- Bentonite Seal
- Silica Sandpack

Client:	Project:	Project No: AOI/PEF #326
Alaskan Oil, Inc.	Altmar Mini-Mart Route 13 & Cemetary Street Altmar, New York	**Well No:** MW-10

CES

APPENDIX C

Summary of Soil and Groundwater Laboratory Analytical Data
Groundwater Elevation Data

CES

Alaskan Oil, Inc.
Altmar Mini Mart
Rte 13 & Cemetary Road
Altmar, New York

Summary of Soil Analytical Data

Method 8021	TOTAL NYSDEC STARS TCLP alternative guidance values (ug/Kg)	TCLP NYSDEC STARS TCLP Extraction Guidance values (ug/L)	TOTAL MW - 8 composite (in ug/Kg) 05/13/98	TOTAL MW - 9 composite (in ug/Kg) 05/13/98	TOTAL MW - 10 composite (in ug/Kg) 05/14/98	TCLP MW - 10 composite (in ug/L) 05/14/98
Benzene	14	0.7	< 14	< 14	< 500	< 25
Toluene	100	5	< 50	< 50	**2,300**	**370**
Ethylbenzene	100	5	< 50	< 50	**2,700**	**290**
M-Xylene & P-Xylene	100	5	< 50	< 50	**14,000**	**1,300**
O-Xylene	100	5	< 50	< 50	**3,600**	**540**
Isopropylbenzene	100	5	< 50	< 50	< 1,000	**29**
N-Propylbenzene	100	5	< 50	< 50	**2,400**	**130**
1,3,5-Trimethylbenzene	100	5	< 50	< 50	**12,000**	**450**
tert-Butylbenzene	100	5	< 50	< 50	< 1,000	< 25
1,2,4-Trimethylbenzene	100	5	< 50	< 50	**20,000**	**1,130**
Sec-Butylbenzene	100	5	< 50	< 50	< 1,000	< 25
P-Isopropyltoluene	100	5	< 50	< 50	< 1,000	< 25
N-Butylbenzene	100	5	< 50	< 50	**9,600**	**300**
Naphthalene	200	10	< 200	< 200	< 5,000	**160**
Methyl-t-Butyl Ether	1,000	50	< 500	< 500	< 5,000	< 100
Method 8270						
Naphthalene	200	10	< 100	< 100	**2,300**	**57**
Acenaphthene	400	20	< 100	< 100	< 100	< 5
Fluorene	1,000	50	< 100	< 100	< 100	< 5
Phenanthrene	1,000	50	< 100	< 100	< 100	< 5
Anthracene	1,000	50	< 100	< 100	< 100	< 5
Fluoranthene	1,000	50	< 100	< 100	< 100	< 5
Pyrene	1,000	50	< 100	< 100	< 100	< 5
Benzo(a)Anthracene	0.04* (MDL <330)	0.002	< 100	< 100	< 100	< 5
Chrysene	0.04* (MDL <330)	0.002	< 100	< 100	< 100	< 5
Benzo(b)Fluoranthene	0.04* (MDL <330)	0.002	< 100	< 100	< 100	< 5
Benzo(k)Fluoranthene	0.04* (MDL <330)	0.002	< 100	< 100	< 100	< 5
Benzo(a)Pyrene	0.04* (MDL <330)	0.002	< 100	< 100	< 100	< 5
Indeno(1,2,3-cd)Pyrene	0.04* (MDL <330)	0.002	< 100	< 100	< 100	< 5
Dibenzo(a,h)Anthracene	1,000	50	< 100	< 100	< 100	< 5
Benzo(ghi)Perylene	0.04* (MDL <330)	10	< 100	< 100	< 100	< 5

*Due to the high Method Detection Limit (MDL) for a solid matrix, the TCLP Extraction Method must be used to demonstra groundwater quality protection for these compounds.

CES

Alaskan Oil, Inc
Altmar Mini Mart
Rte 13 & Cemetary Road
Altmar, New York

Summary of Groundwater Analytical Results for MW-1

Chemical of Concern	NYSDEC Water Quality Standards & Guidance Values	2nd Quarter 1997 Groundwater (in ug/L) 6/04/97	3rd Quarter 1997 Groundwater (in ug/L) 7/25/97	4th Quarter 1997 Groundwater (in ug/L) 10/13/97	1st Quarter 1998 Groundwater (in ug/L) 01/09/98	2nd Quarter 1998 Groundwater (in ug/L) 05/14/98
Benzene	0.7 ug/L	16,600	18,900	1,400	580	FREE
Toluene	5 ug/L	36,700	34,500	2,400	700	PRODUCT
Ethylbenzene	5 ug/L	4,300	3,400	< 250	< 250	
M-Xylene & P-Xylene	5 ug/L	14,600	12,500	2,700	1,500	
O-Xylene	5 ug/L	7,400	6,400	1,200	790	
Naphthalene	20 ug/L	2,830	1,700	43	140	
Benzo(a)Pyrene	10 ug/L	< 50	< 5	< 10	< 50	

BTEX and Naphthalene analyzed in accordance with USEPA Method 8021

Naphthalene analyzed in accordance with USEPA Method 8021 and 8100.

The higher concentration of Naphthalene is reported in all cases.

Benzo(a)Pyrene analyzed in accordance with USEPA Method 8100

CES

Alaskan Oil, Inc
Altmar Mini Mart
Rte 13 & Cemetary Road
Altmar, New York

Summary of Groundwater Analytical Results for MW-2

Chemical of Concern	NYSDEC Water Quality Standards & Guidance Values	2nd Quarter 1997 Groundwater (in ug/L) 6/04/97	3rd Quarter 1997 Groundwater (in ug/L) 7/25/97	4th Quarter 1997 Groundwater (in ug/L) 10/13/97	1st Quarter 1998 Groundwater (in ug/L) 01/09/98	2nd Quarter 1998 Groundwater (in ug/L) 05/14/98
Benzene	0.7 ug/L	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Toluene	5 ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	5 ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
M-Xylene & P-Xylene	5 ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
O-Xylene	5 ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Naphthalene	20 ug/L	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Benzo(a)Pyrene	10 ug/L	< 5	< 5	< 5	< 5	< 5

BTEX and Naphthalene analyzed in accordance with USEPA Method 8021

Naphthalene analyzed in accordance with USEPA Method 8021 and 8100.

The higher concentration of Naphthalene is reported in all cases.

Benzo(a)Pyrene analyzed in accordance with USEPA Method 8100

CES

Alaskan Oil, Inc
Altmar Mini Mart
Rte 13 & Cemetary Road
Altmar, New York

Summary of Groundwater Analytical Results for MW-3

Chemical of Concern	NYSDEC Water Quality Standards & Guidance Values	2nd Quarter 1997 Groundwater (in ug/L) 6/04/97	3rd Quarter 1997 Groundwater (in ug/L) 7/25/97	4th Quarter 1997 Groundwater (in ug/L) 10/13/97	1st Quarter 1998 Groundwater (in ug/L) 01/09/98	2nd Quarter 1998 Groundwater (in ug/L) 05/14/98
Benzene	0.7 ug/L	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Toluene	5 ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	5 ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
M-Xylene & P-Xylene	5 ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
O-Xylene	5 ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Naphthalene	20 ug/L	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Benzo(a)Pyrene	10 ug/L	< 5	< 5	< 5	< 5	< 5

BTEX and Naphthalene analyzed in accordance with USEPA Method 8021

Naphthalene analyzed in accordance with USEPA Method 8021 and 8100.

The higher concentration of Naphthalene is reported in all cases.

Benzo(a)Pyrene analyzed in accordance with USEPA Method 8100

CES

Alaskan Oil, Inc
Altmar Mini Mart
Rte 13 & Cemetary Road
Altmar, New York

Summary of Groundwater Analytical Results for MW-4

Chemical of Concern	NYSDEC Water Quality Standards & Guidance Values	2nd Quarter 1997 Groundwater (in ug/L) 6/04/97	3rd Quarter 1997 Groundwater (in ug/L) 7/25/97	4th Quarter 1997 Groundwater (in ug/L) 10/13/97	1st Quarter 1998 Groundwater (in ug/L) 01/09/98	2nd Quarter 1998 Groundwater (in ug/L) 05/14/98
Benzene	0.7 ug/L	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Toluene	5 ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	5 ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
M-Xylene & P-Xylene	5 ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
O-Xylene	5 ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Naphthalene	20 ug/L	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Benzo(a)Pyrene	10 ug/L	< 5	< 5	< 5	< 5	< 5

BTEX and Naphthalene analyzed in accordance with USEPA Method 8021

Naphthalene analyzed in accordance with USEPA Method 8021 and 8100.

The higher concentration of Naphthalene is reported in all cases.

Benzo(a)Pyrene analyzed in accordance with USEPA Method 8100

CES

Alaskan Oil, Inc.
Altmar Mini Mart
Rte 13 & Cemetary Road
Altmar, New York

Groundwater Analytical Results for MW-5

Chemical of Concern	NYSDEC Water Quality Standards & Guidance Values	3rd Quarter 1997 Groundwater (in ug/L) 7/25/97	4th Quarter 1997 Groundwater (in ug/L) 10/13/97	1st Quarter 1998 Groundwater (in ug/L) 01/09/98	2nd Quarter 1998 Groundwater (in ug/L) 05/14/98
Benzene	0.7 ug/L	**4.9**	< 0.7	< 0.7	< 5.0
Toluene	5 ug/L	**55**	**9.6**	4.4	< 5.0
Ethylbenzene	5 ug/L	**88**	**75**	**12**	**14**
M-Xylene & P-Xylen	5 ug/L	**260**	**100**	**42**	< 5.0
O-Xylene	5 ug/L	**27**	4.7	**6.0**	< 5.0
Naphthalene	20 ug/L	**22**	15	10	< 5.0
Benzo(a)Pyrene	10 ug/L	< 5	< 5	< 5	< 5

BTEX and Naphthalene analyzed in accordance with USEPA Method 8021

Naphthalene analyzed in accordance with USEPA Method 8021 and 8100.

The higher concentration of Naphthalene is reported in all cases.

Benzo(a)Pyrene analyzed in accordance with USEPA Method 8100

CES

Alaskan Oil, Inc
Altmar Mini Mart
Rte 13 & Cemetary Road
Altmar, New York

Groundwater Analytical Results for MW-6

Chemical of Concern	NYSDEC Water Quality Standards & Guidance Values	3rd Quarter 1997 Groundwater (in ug/L) 7/25/97	4th Quarter 1997 Groundwater (in ug/L) 10/13/97	1st Quarter 1998 Groundwater (in ug/L) 01/09/98	2nd Quarter 1998 Groundwater (in ug/L) 05/14/98
Benzene	0.7 ug/L	**1900**	**16**	**1,400**	**1,000**
Toluene	5 ug/L	**240**	1.4	< 25	**430**
Ethylbenzene	5 ug/L	**97**	**5.2**	**72**	**186**
M-Xylene & P-Xylen	5 ug/L	**807**	**9.4**	**190**	**350**
O-Xylene	5 ug/L	**150**	**3.5**	< 25	**84**
Naphthalene	20 ug/L	**103**	< 5.0	**100**	14
Benzo(a)Pyrene	10 ug/L	< 5	< 5	< 5	< 5

BTEX and Naphthalene analyzed in accordance with USEPA Method 8021

Naphthalene analyzed in accordance with USEPA Method 8021 and 8100.

The higher concentration of Naphthalene is reported in all cases.

Benzo(a)Pyrene analyzed in accordance with USEPA Method 8100

CES

Alaskan Oil, Inc.
Altmar Mini Mart
Rte 13 & Cemetary Road
Altmar, New York

Groundwater Analytical Results for MW-7

Chemical of Concern	NYSDEC Water Quality Standards & Guidance Values	3rd Quarter 1997 Groundwater (in ug/L) 7/25/97	4th Quarter 1997 Groundwater (in ug/L) 10/13/97	1st Quarter 1998 Groundwater (in ug/L) 01/09/98	2nd Quarter 1998 Groundwater (in ug/L) 05/14/98
Benzene	0.7 ug/L	< 0.7	< 0.7	< 0.7	< 0.7
Toluene	5 ug/L	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	5 ug/L	< 1.0	< 1.0	< 1.0	< 1.0
M-Xylene & P-Xylen	5 ug/L	< 1.0	< 1.0	< 1.0	< 1.0
O-Xylene	5 ug/L	< 1.0	< 1.0	< 1.0	< 1.0
Naphthalene	20 ug/L	< 5.0	< 5.0	< 5.0	< 5.0
Benzo(a)Pyrene	10 ug/L	< 5	< 5	< 5	< 5

BTEX and Naphthalene analyzed in accordance with USEPA Method 8021

Naphthalene analyzed in accordance with USEPA Method 8021 and 8100.

The higher concentration of Naphthalene is reported in all cases.

Benzo(a)Pyrene analyzed in accordance with USEPA Method 8100

CES

Alaskan Oil, Inc.
Altmar Mini Mart
Rte 13 & Cemetary Road
Altmar, New York

Groundwater Analytical Results for MW-8

Chemical of Concern	NYSDEC Water Quaity Standards & Guidance Values	2nd Quarter 1998 Groundwater (in ug/L) 5/14/98
Benzene	0.7 ug/L	**0.9**
Toluene	5 ug/L	< 1.0
Ethylbenzene	5 ug/L	< 1.0
M-Xylene & P-Xylene	5 ug/L	< 1.0
O-Xylene	5 ug/L	< 1.0
Naphthalene	20 ug/L	< 5.0
Benzo(a)Pyrene	10 ug/L	< 5

BTEX and Naphthalene analyzed in accordance with USEPA Method 8021
Naphthalene analyzed in accordance with USEPA Method 8021 and 8100.
The higher concentration of Naphthalene is reported in all cases.
Benzo(a)Pyrene analyzed in accordance with USEPA Method 8100

CES

Alaskan Oil, Inc.
Altmar Mini Mart
Rte 13 & Cemetary Road
Altmar, New York

Groundwater Analytical Results for MW-9

Chemical of Concern	NYSDEC Water Quaity Standards & Guidance Values	2nd Quarter 1998 Groundwater (in ug/L) 5/14/98
Benzene	0.7 ug/L	< 0.7
Toluene	5 ug/L	< 1.0
Ethylbenzene	5 ug/L	< 1.0
M-Xylene & P-Xylene	5 ug/L	< 1.0
O-Xylene	5 ug/L	< 1.0
Naphthalene	20 ug/L	< 5.0
Benzo(a)Pyrene	10 ug/L	< 5

BTEX and Naphthalene analyzed in accordance with USEPA Method 8021
Naphthalene analyzed in accordance with USEPA Method 8021 and 8100.
The higher concentration of Naphthalene is reported in all cases.
Benzo(a)Pyrene analyzed in accordance with USEPA Method 8100

CES

Alaskan Oil, Inc.
Altmar Mini Mart
Rte 13 & Cemetary Road
Altmar, New York

Groundwater Analytical Results for MW-10

Chemical of Concern	NYSDEC Water Quaity Standards & Guidance Values	2nd Quarter 1998 Groundwater (in ug/L) 5/14/98
Benzene	0.7 ug/L	**2,700**
Toluene	5 ug/L	**6,400**
Ethylbenzene	5 ug/L	**410**
M-Xylene & P-Xylene	5 ug/L	**1,600**
O-Xylene	5 ug/L	**390**
Naphthalene	20 ug/L	**63**
Benzo(a)Pyrene	10 ug/L	< 5

BTEX and Naphthalene analyzed in accordance with USEPA Method 8021

Naphthalene analyzed in accordance with USEPA Method 8021 and 8100.

The higher concentration of Naphthalene is reported in all cases.

Benzo(a)Pyrene analyzed in accordance with USEPA Method 8100

CES Certified Environmental Services, Inc.

1401 Erie Blvd. East
Syracuse, NY 13210
Phone 315-478-2374
Fax 315-478-2107

Groundwater Elevation Data

ALASKAN OIL, INC.
ROUTE 13 & CEMETERY STREET
ALTMAR, NEW YORK

Well #	Top of Casing Elevation PVC	Top of Screen Elevation	GROUNDWATER ELEVATION DATA							
			3/26/97	6/4/97	7/25/97	10/13/97	1/09/98	4/27/98	5/14/98	6/23/98
MW-1	100.00	98.0	93.39	94.87	93.85	92.70	95.71	92.68	92.35	92.68
MW-2	100.18	98.2	93.24	94.63	94.10	92.56	96.27	93.23	93.10	92.86
MW-3	100.06	98.1	95.05	95.78	94.76	94.12	97.78	94.55	94.58	94.65
MW-4	99.65	97.7	94.16	93.89	92.94	92.52	95.91	93.40	93.30	93.00
MW-5	99.23	95.2	NA	NA	92.54	92.84	94.44	93.28	93.50	93.09
MW-6	100.50	96.5	NA	NA	94.62	92.44	96.47	92.92	92.94	92.77
MW-7	100.45	97.5	NA	NA	94.58	92.64	98.10	93.28	93.11	92.99
MW-8	98.77	96.22	NA	NA	NA	NA	NA	NA	92.85	92.63
MW-9	99.46	96.61	NA	NA	NA	NA	NA	NA	92.99	92.84
MW-10	99.87	96.87	NA	NA	NA	NA	NA	NA	93.08	92.96

Note: All measurements recorded in feet
Monitoring wells were surveyed by CES in July 1997 and May 1998
Top of Casing Elevation is Top of PVC riser
NA - Not Available

CES

APPENDIX D

Soil Laboratory Analytical Reports
Groundwater Laboratory Analytical Reports

CES Certified Environmental Services, Inc.

1401 Erie Blvd. East
Syracuse, NY 13210
Phone 315-478-2374
Fax 315-478-2107

REPORT OF ANALYSES

ALASKAN OIL, INC.
120 WILKINSON ST.
SYRACUSE, NY 13204-
Attn: MR. RICH NEUGEBAUER

PROJECT NAME: AOI/PEF, #326-Altmar
DATE: 06/09/98

SAMPLE NUMBER- 161074 SAMPLE ID- MW-8 SAMPLE MATRIX- SO
DATE SAMPLED- 05/13/98 TIME SAMPLED- 1140
DATE RECEIVED- 05/15/98 SAMPLER- Daniel Bishuk Jr. RECEIVED BY- CAM
TIME RECEIVED- 0850 DELIVERED BY- Daniel Bishuk TYPE SAMPLE- Composite

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Percent Solids	EPA 160.3			05/19/98		KMS	86	%
EPA 8021 Scan	EPA 8021	05/19/98	RMF	05/26/98		BLD		
Benzene	EPA 8021	05/19/98	RMF	05/26/98		BLD	< 14	ug/Kg
Toluene	EPA 8021	05/19/98	RMF	05/26/98		BLD	< 50	ug/Kg
Ethylbenzene	EPA 8021	05/19/98	RMF	05/26/98		BLD	< 50	ug/Kg
m-Xylene & p-Xylene	EPA 8021	05/19/98	RMF	05/26/98		BLD	< 50	ug/Kg
o-Xylene	EPA 8021	05/19/98	RMF	05/26/98		BLD	< 50	ug/Kg
Isopropylbenzene	EPA 8021	05/19/98	RMF	05/26/98		BLD	< 50	ug/Kg
n-Propylbenzene	EPA 8021	05/19/98	RMF	05/26/98		BLD	< 50	ug/Kg
1,3,5-Trimethylbenzene	EPA 8021	05/19/98	RMF	05/26/98		BLD	< 50	ug/Kg
tert-Butylbenzene	EPA 8021	05/19/98	RMF	05/26/98		BLD	< 50	ug/Kg
1,2,4-Trimethylbenzene	EPA 8021	05/19/98	RMF	05/26/98		BLD	< 50	ug/Kg
sec-Butylbenzene	EPA 8021	05/19/98	RMF	05/26/98		BLD	< 50	ug/Kg
p-Isopropyltoluene	EPA 8021	05/19/98	RMF	05/26/98		BLD	< 50	ug/Kg
n-Butylbenzene	EPA 8021	05/19/98	RMF	05/26/98		BLD	< 50	ug/Kg
Naphthalene	EPA 8021	05/19/98	RMF	05/26/98		BLD	< 200	ug/Kg
Methyl-t-Butyl Ether	EPA 8021	05/19/98	RMF	05/26/98		BLD	< 500	ug/Kg
EPA 8270 PAH's	EPA 8270	05/19/98	KMS	05/20/98		KMS		
Naphthalene	EPA 8270	05/19/98	KMS	05/20/98		KMS	< 100	ug/Kg
Acenaphthylene	EPA 8270	05/19/98	KMS	05/20/98		KMS	< 100	ug/Kg
Acenaphthene	EPA 8270	05/19/98	KMS	05/20/98		KMS	< 100	ug/Kg

CES Certified Environmental Services, Inc.

1401 Erie Blvd. East
Syracuse, NY 13210
Phone 315-478-2374
Fax 315-478-2107

CONTINUATION OF DATA FOR SAMPLE NUMBER 161074

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Fluorene	EPA 8270	05/19/98	KMS	05/20/98		KMS	< 100	ug/Kg
Phenanthrene	EPA 8270	05/19/98	KMS	05/20/98		KMS	< 100	ug/Kg
Anthracene	EPA 8270	05/19/98	KMS	05/20/98		KMS	< 100	ug/Kg
Fluoranthene	EPA 8270	05/19/98	KMS	05/20/98		KMS	< 100	ug/Kg
Pyrene	EPA 8270	05/19/98	KMS	05/20/98		KMS	< 100	ug/Kg
Benzo(a)Anthracene	EPA 8270	05/19/98	KMS	05/20/98		KMS	< 100	ug/Kg
Chrysene	EPA 8270	05/19/98	KMS	05/20/98		KMS	< 100	ug/Kg
Benzo(b)Fluoranthene	EPA 8270	05/19/98	KMS	05/20/98		KMS	< 100	ug/Kg
Benzo(k)Fluoranthene	EPA 8270	05/19/98	KMS	05/20/98		KMS	< 100	ug/Kg
Benzo(a)Pyrene	EPA 8270	05/19/98	KMS	05/20/98		KMS	< 100	ug/Kg
Indeno(1,2,3-cd)Pyrene	EPA 8270	05/19/98	KMS	05/20/98		KMS	< 100	ug/Kg
Dibenzo(a,h)Anthracene	EPA 8270	05/19/98	KMS	05/20/98		KMS	< 100	ug/Kg
Benzo(ghi)Perylene	EPA 8270	05/19/98	KMS	05/20/98		KMS	< 100	ug/Kg

NYSDOH LAB ID NO. 11246 APPROVED BY: _____

CES Certified Environmental Services, Inc.

1401 Erie Blvd. East
Syracuse, NY 13210
Phone 315-478-2374
Fax 315-478-2107

REPORT OF ANALYSES

ALASKAN OIL, INC.
120 WILKINSON ST.
SYRACUSE, NY 13204-
Attn: MR. RICH NEUGEBAUER

PROJECT NAME: AOI/PEF, #326-Altmar
DATE: 06/09/98

SAMPLE NUMBER- 161075 SAMPLE ID- MW-9 SAMPLE MATRIX- SO
DATE SAMPLED- 05/13/98 TIME SAMPLED- 1445
DATE RECEIVED- 05/15/98 SAMPLER- Daniel Bishuk Jr. RECEIVED BY- CAM
TIME RECEIVED- 0850 DELIVERED BY- Daniel Bishuk TYPE SAMPLE- Composite

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Percent Solids	EPA 160.3			05/19/98		KMS	88	%
EPA 8021 Scan	EPA 8021	05/19/98	RMF	05/26/98		BLD		
Benzene	EPA 8021	05/19/98	RMF	05/26/98		BLD	< 14	ug/Kg
Toluene	EPA 8021	05/19/98	RMF	05/26/98		BLD	< 50	ug/Kg
Ethylbenzene	EPA 8021	05/19/98	RMF	05/26/98		BLD	< 50	ug/Kg
m-Xylene & p-Xylene	EPA 8021	05/19/98	RMF	05/26/98		BLD	< 50	ug/Kg
o-Xylene	EPA 8021	05/19/98	RMF	05/26/98		BLD	< 50	ug/Kg
Isopropylbenzene	EPA 8021	05/19/98	RMF	05/26/98		BLD	< 50	ug/Kg
n-Propylbenzene	EPA 8021	05/19/98	RMF	05/26/98		BLD	< 50	ug/Kg
1,3,5-Trimethylbenzene	EPA 8021	05/19/98	RMF	05/26/98		BLD	< 50	ug/Kg
tert-Butylbenzene	EPA 8021	05/19/98	RMF	05/26/98		BLD	< 50	ug/Kg
1,2,4-Trimethylbenzene	EPA 8021	05/19/98	RMF	05/26/98		BLD	< 50	ug/Kg
sec-Butylbenzene	EPA 8021	05/19/98	RMF	05/26/98		BLD	< 50	ug/Kg
p-Isopropyltoluene	EPA 8021	05/19/98	RMF	05/26/98		BLD	< 50	ug/Kg
n-Butylbenzene	EPA 8021	05/19/98	RMF	05/26/98		BLD	< 50	ug/Kg
Naphthalene	EPA 8021	05/19/98	RMF	05/26/98		BLD	< 200	ug/Kg
Methyl-t-Butyl Ether	EPA 8021	05/19/98	RMF	05/26/98		BLD	< 500	ug/Kg
EPA 8270 PAH's	EPA 8270	05/19/98	KMS	05/20/98		KMS		
Naphthalene	EPA 8270	05/19/98	KMS	05/20/98		KMS	< 100	ug/Kg
Acenaphthylene	EPA 8270	05/19/98	KMS	05/20/98		KMS	< 100	ug/Kg
Acenaphthene	EPA 8270	05/19/98	KMS	05/20/98		KMS	< 100	ug/Kg

CES Certified Environmental Services, Inc.

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CONTINUATION OF DATA FOR SAMPLE NUMBER 161075

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Fluorene	EPA 8270	05/19/98	KMS	05/20/98		KMS	< 100	ug/Kg
Phenanthrene	EPA 8270	05/19/98	KMS	05/20/98		KMS	< 100	ug/Kg
Anthracene	EPA 8270	05/19/98	KMS	05/20/98		KMS	< 100	ug/Kg
Fluoranthene	EPA 8270	05/19/98	KMS	05/20/98		KMS	< 100	ug/Kg
Pyrene	EPA 8270	05/19/98	KMS	05/20/98		KMS	< 100	ug/Kg
Benzo(a)Anthracene	EPA 8270	05/19/98	KMS	05/20/98		KMS	< 100	ug/Kg
Chrysene	EPA 8270	05/19/98	KMS	05/20/98		KMS	< 100	ug/Kg
Benzo(b)Fluoranthene	EPA 8270	05/19/98	KMS	05/20/98		KMS	< 100	ug/Kg
Benzo(k)Fluoranthene	EPA 8270	05/19/98	KMS	05/20/98		KMS	< 100	ug/Kg
Benzo(a)Pyrene	EPA 8270	05/19/98	KMS	05/20/98		KMS	< 100	ug/Kg
Indeno(1,2,3-cd)Pyrene	EPA 8270	05/19/98	KMS	05/20/98		KMS	< 100	ug/Kg
Dibenzo(a,h)Anthracene	EPA 8270	05/19/98	KMS	05/20/98		KMS	< 100	ug/Kg
Benzo(ghi)Perylene	EPA 8270	05/19/98	KMS	05/20/98		KMS	< 100	ug/Kg

NYSDOH LAB ID NO. 11246 APPROVED BY:

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REPORT OF ANALYSES

ALASKAN OIL, INC.
120 WILKINSON ST.
SYRACUSE, NY 13204-
Attn: MR. RICH NEUGEBAUER

PROJECT NAME: AOI/PEF, #326-Altmar
DATE: 06/09/98

SAMPLE NUMBER- 161076 SAMPLE ID- MW-10 SAMPLE MATRIX- SO
DATE SAMPLED- 05/14/98 TIME SAMPLED- 1015
DATE RECEIVED- 05/15/98 SAMPLER- Daniel Bishuk Jr. RECEIVED BY- CAM
TIME RECEIVED- 0850 DELIVERED BY- Daniel Bishuk TYPE SAMPLE- Composite

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Percent Solids	EPA 160.3			05/19/98		KMS	86	%
EPA 8021 Scan	EPA 8021	05/19/98	RMF	05/27/98		BLD		
Benzene	EPA 8021	05/19/98	RMF	05/27/98		BLD	< 500	ug/Kg
Toluene	EPA 8021	05/19/98	RMF	05/27/98		BLD	2300	ug/Kg
Ethylbenzene	EPA 8021	05/19/98	RMF	05/27/98		BLD	2700	ug/Kg
m-Xylene & p-Xylene	EPA 8021	05/19/98	RMF	05/27/98		BLD	14000	ug/Kg
o-Xylene	EPA 8021	05/19/98	RMF	05/27/98		BLD	3600	ug/Kg
Isopropylbenzene	EPA 8021	05/19/98	RMF	05/27/98		BLD	< 1000	ug/Kg
n-Propylbenzene	EPA 8021	05/19/98	RMF	05/27/98		BLD	2400	ug/Kg
1,3,5-Trimethylbenzene	EPA 8021	05/19/98	RMF	05/27/98		BLD	12000	ug/Kg
tert-Butylbenzene	EPA 8021	05/19/98	RMF	05/27/98		BLD	< 1000	ug/Kg
1,2,4-Trimethylbenzene	EPA 8021	05/19/98	RMF	05/27/98		BLD	20000	ug/Kg
sec-Butylbenzene	EPA 8021	05/19/98	RMF	05/27/98		BLD	< 1000	ug/Kg
p-Isopropyltoluene	EPA 8021	05/19/98	RMF	05/27/98		BLD	< 1000	ug/Kg
n-Butylbenzene	EPA 8021	05/19/98	RMF	05/27/98		BLD	9600	ug/Kg
Naphthalene	EPA 8021	05/19/98	RMF	05/27/98		BLD	< 5000	ug/Kg
Methyl-t-Butyl Ether	EPA 8021	05/19/98	RMF	05/27/98		BLD	< 5000	ug/Kg
EPA 8270 PAH's	EPA 8270	05/19/98	KMS	05/20/98		KMS		
Naphthalene	EPA 8270	05/19/98	KMS	05/20/98		KMS	2300	ug/Kg
Acenaphthylene	EPA 8270	05/19/98	KMS	05/20/98		KMS	< 100	ug/Kg
Acenaphthene	EPA 8270	05/19/98	KMS	05/20/98		KMS	< 100	ug/Kg

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CONTINUATION OF DATA FOR SAMPLE NUMBER 161076

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Fluorene	EPA 8270	05/19/98	KMS	05/20/98		KMS	< 100	ug/Kg
Phenanthrene	EPA 8270	05/19/98	KMS	05/20/98		KMS	< 100	ug/Kg
Anthracene	EPA 8270	05/19/98	KMS	05/20/98		KMS	< 100	ug/Kg
Fluoranthene	EPA 8270	05/19/98	KMS	05/20/98		KMS	< 100	ug/Kg
Pyrene	EPA 8270	05/19/98	KMS	05/20/98		KMS	< 100	ug/Kg
Benzo(a)Anthracene	EPA 8270	05/19/98	KMS	05/20/98		KMS	< 100	ug/Kg
Chrysene	EPA 8270	05/19/98	KMS	05/20/98		KMS	< 100	ug/Kg
Benzo(b)Fluoranthene	EPA 8270	05/19/98	KMS	05/20/98		KMS	< 100	ug/Kg
Benzo(k)Fluoranthene	EPA 8270	05/19/98	KMS	05/20/98		KMS	< 100	ug/Kg
Benzo(a)Pyrene	EPA 8270	05/19/98	KMS	05/20/98		KMS	< 100	ug/Kg
Indeno(1,2,3-cd)Pyrene	EPA 8270	05/19/98	KMS	05/20/98		KMS	< 100	ug/Kg
Dibenzo(a,h)Anthracene	EPA 8270	05/19/98	KMS	05/20/98		KMS	< 100	ug/Kg
Benzo(ghi)Perylene	EPA 8270	05/19/98	KMS	05/20/98		KMS	< 100	ug/Kg

NYSDOH LAB ID NO. 11246 APPROVED BY:

CES Certified Environmental Services, Inc.

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CHAIN OF CUSTODY RECORD

Company: Alaskan Oil Inc. Phone: (315) 471-6496

Address: 20 Wilkinson Street, Syracuse, NY 13204 Fax:

P.O. #:

Contact Person: Jim Hines Project: 40I #326 / Altmar, Rte 13 & Cemetary St.

Sampled By (print): Daniel Bishuk Jr. (sign) Daniel Bishuk Jr.

Analysis: USEPA Method 8021 STARS ([illegible]); USEPA Method 8270 STARS ([illegible])

	SAMPLE NO.	COLLECTED DATE	COLLECTED TIME	COMP	GRAB	MATRIX	SAMPLE LOCATION	# OF CONT.	USEPA Method 8021 STARS	USEPA Method 8270 STARS				COMMENTS
16	1014	5/13/98	11:40	✓		S	MW-8	2	X	X				PID < 1ppm; 6 split spoons
16	1015	5/13/98	14:45	✓		S	MW-9	2	X	X				PID < 1ppm; 6 split spoons
* 16	1016	5/14/98	10:15	✓		S	MW-10	2	X	X				PID = 415ppm; 6 split spoons
														NOTE: In the event that analytical results on EPA 8021 & 8270 STARS exceed NYSDEC STARS guidance values for one (or more) compound, then the sample(s) will be run for TCLP extraction analysis.

Relinquished By:	Date	Time	Received By:	Date	Time
Daniel Bishuk Jr.	5/14/98	18:30			
Relinquished By:	**Date**	**Time**	**Received by Lab:**	**Date**	**Time**
			[illegible]	5/15/98	[illegible]

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REPORT OF ANALYSES

ALASKAN OIL, INC.
120 WILKINSON ST.
SYRACUSE, NY 13204-
Attn: MR. RICH NEUGEBAUER

PROJECT NAME: AOI/PEF, #326-Altmar (TCLP)
DATE: 06/12/98

SAMPLE NUMBER- 161736 SAMPLE ID- 161076/MW-10 SAMPLE MATRIX- SO
DATE SAMPLED- 05/14/98 TIME SAMPLED- 1015
DATE RECEIVED- 05/21/98 SAMPLER- Daniel Bishuk Jr. RECEIVED BY- BLD
TIME RECEIVED- DELIVERED BY- TYPE SAMPLE- Composite

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
TCLP Extraction	40CFR 1311			05/25/98		CAG	Complete	
ZERO HEADSPACE EXTRACTION	40CFR 1311			05/21/98		ELS	Complete	
EPA 8021 Scan, TCLP	EPA 8021			06/03/98		BLD		
Benzene, TCLP	EPA 8021			06/03/98		BLD	< 25	ug/L
Toluene, TCLP	EPA 8021			06/03/98		BLD	370	ug/L
Ethylbenzene, TCLP	EPA 8021			06/03/98		BLD	290	ug/L
m-Xylene & p-Xylene, TCLP	EPA 8021			06/03/98		BLD	1300	ug/L
o-Xylene, TCLP	EPA 8021			06/03/98		BLD	540	ug/L
Isopropylbenzene, TCLP	EPA 8021			06/03/98		BLD	29	ug/L
n-Propylbenzene, TCLP	EPA 8021			06/03/98		BLD	130	ug/L
1,3,5-Trimethylbenzene, TCLP	EPA 8021			06/03/98		BLD	450	ug/L
tert-Butylbenzene, TCLP	EPA 8021			06/03/98		BLD	< 25	ug/L
1,2,4-Trimethylbenzene, TCLP	EPA 8021			06/03/98		BLD	1130	ug/L
sec-Butylbenzene, TCLP	EPA 8021			06/03/98		BLD	< 25	ug/L
p-Isopropyltoluene, TCLP	EPA 8021			06/03/98		BLD	< 25	ug/L
n-Butylbenzene, TCLP	EPA 8021			06/03/98		BLD	300	ug/L
Naphthalene, TCLP	EPA 8021			06/03/98		BLD	160	ug/L
Methyl-t-Butyl Ether, TCLP	EPA 8021			06/03/98		BLD	< 100	ug/L
EPA 8270 PAH's, TCLP	EPA 8270	06/02/98	BJC	06/08/98		KMS		
Naphthalene, TCLP	EPA 8270	06/02/98	BJC	06/08/98		KMS	57	ug/L
Acenaphthylene, TCLP	EPA 8270	06/02/98	BJC	06/08/98		KMS	< 5	ug/L

CES Certified Environmental Services, Inc.

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CONTINUATION OF DATA FOR SAMPLE NUMBER 161736

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Acenaphthene, TCLP	EPA 8270	06/02/98	BJC	06/08/98		KMS	< 5	ug/L
Fluorene, TCLP	EPA 8270	06/02/98	BJC	06/08/98		KMS	< 5	ug/L
Phenanthrene, TCLP	EPA 8270	06/02/98	BJC	06/08/98		KMS	< 5	ug/L
Anthracene, TCLP	EPA 8270	06/02/98	BJC	06/08/98		KMS	< 5	ug/L
Fluoranthene, TCLP	EPA 8270	06/02/98	BJC	06/08/98		KMS	< 5	ug/L
Pyrene, TCLP	EPA 8270	06/02/98	BJC	06/08/98		KMS	< 5	ug/L
Benzo(a)Anthracene, TCLP	EPA 8270	06/02/98	BJC	06/08/98		KMS	< 5	ug/L
Chrysene, TCLP	EPA 8270	06/02/98	BJC	06/08/98		KMS	< 5	ug/L
Benzo(b)Fluoranthene, TCLP	EPA 8270	06/02/98	BJC	06/08/98		KMS	< 5	ug/L
Benzo(k)Fluoranthene, TCLP	EPA 8270	06/02/98	BJC	06/08/98		KMS	< 5	ug/L
Benzo(a)Pyrene, TCLP	EPA 8270	06/02/98	BJC	06/08/98		KMS	< 5	ug/L
Indeno(1,2,3-cd)Pyrene, TCLP	EPA 8270	06/02/98	BJC	06/08/98		KMS	< 5	ug/L
Dibenzo(a,h)Anthracene, TCLP	EPA 8270	06/02/98	BJC	06/08/98		KMS	< 5	ug/L
Benzo(ghi)Perylene, TCLP	EPA 8270	06/02/98	BJC	06/08/98		KMS	< 5	ug/L

Note: Zero Headspace Extraction performed by ELAP #11375.

NYSDOH LAB ID NO. 11246 APPROVED BY:

CES Certified Environmental Services, Inc.

1401 Erie Blvd. East
Syracuse, NY 13210
Phone 315-478-2374
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CHAIN OF CUSTODY RECORD

Company: Alaskan Oil, Inc. Phone: (315) 471-6446

Address: 120 Wilkinson Street Fax:

Syracuse, NY 13204 P.O. #:

Contact Person: Jim Hines Project: AOI #326 / Altmar Rte 13 & Cemetary St.

Sampled By (print): Daniel Bishuk Jr. (sign) Daniel Bishuk Jr.

Analysis: USEPA Method 8021 STARS (Total); USEPA Method 8270 STARS (Total)

SAMPLE NO.	COLLECTED DATE	COLLECTED TIME	COMP	GRAB	MATRIX	SAMPLE LOCATION	# OF CONT.	COMMENTS
161074	5/13/98	11:40	✓	S		MW-8	2 XX	PID < 1 ppm; 6 split spoons
161075	5/13/98	14:45	✓	S		MW-9	2 XX	PID < 1 ppm; 6 split spoons
* 161076	5/14/98	10:15	✓	S		MW-10	2 XX	PID = 415 ppm; 6 split spoons
								NOTE: In the event that analytical results of EPA 8021 & 8270 STARS exceed NYSDEC STARS guidance values for one or more compound, then the sample(s) will be run for TCLP extraction analysis.
* 161736 - Add TCLP 8021+8270 per BLD 5/21/98. CM								

Relinquished By:	Date	Time	Received By:	Date	Time
Daniel Bishuk Jr.	5/14/98	18:30			
Relinquished By:	Date	Time	Received by Lab: Christine Miguel	5/15/98	0850

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REPORT OF ANALYSES

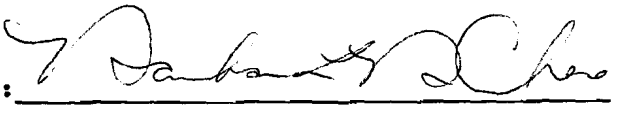
ALASKAN OIL, INC.
120 WILKINSON ST.
SYRACUSE, NY 13204-
Attn: MR. RICH NEUGEBAUER

PROJECT NAME: AOI/PEF, #326-Altmar
DATE: 06/12/98

SAMPLE NUMBER- 161077 SAMPLE ID- MW-1 (product) SAMPLE MATRIX- OT
DATE SAMPLED- 05/14/98 TIME SAMPLED- 1900
DATE RECEIVED- 05/15/98 SAMPLER- Daniel Bishuk Jr. RECEIVED BY- CAM
TIME RECEIVED- 0850 DELIVERED BY- Daniel Bishuk TYPE SAMPLE- Grab

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
NYSDOH 310-13 TPH	DOH 310-13	05/21/98	KMS	06/09/98		KSH	Positive	

Note: Contaminant identified as Gasoline 100%.

NYSDOH LAB ID NO. 11246 APPROVED BY: 

CES
Certified Environmental Services, Inc.

MONITORING WELL SAMPLE CHARACTERIZATION & CHAIN-OF-CUSTODY

1401 Erie Boulevard East
Syracuse, New York 13210
Ph (315) 478-2374 Fax (315) 478-2107

CLIENT: Alaskan Oil, Inc. LOG NO. 161077

CONTACT: Jim Hines WELL NO. MW-1 / PRODUCT SAMPLE

LOCATION: ADI #326 / Altmar Rte 13 & Cemetary St. WELL TYPE/SIZE: PVC 2" ¢

WELL PURGING & SAMPLING: Date: 5/14/98 Purge Start Time: NA Purge End Time: NA

Total Well Depth 11.75 ft. # Well Volumes Purged 0 Color → Dark Brown / Product

Depth to Water 6.37 ft. Total Volume Purged 0 Turbidity NA /

Well Volume 1X = 0.86 gal 4X = 3.44 gal Final Depth to Water Static Odor Yes

Purge Method Bailer SAMPLE COLLECTED: Time 14:00 Date 5/14/98

WEATHER CONDITIONS: Sunny Low 80°'s F

FIELD PARAMETERS:	pH	pH Calibration	Conductivity	Temperature
Initial Reading	NC	@ 4.0 Std =	NC	NC
Intermediate Reading		@ 7.0 Std =		Redox
Final Reading		@ ___ Std =		

SAMPLE PRESERVATION:

Date _____ Time _____ By _____

Preservative: ☐ H_2SO_4 ☐ HNO_3 ☐ NaOH ☐ HCl ☐ $Na_2S_2O_3$ ☐ Cooled to 4° C

☐ Other (Identify) _____

Was Sample Filtered? ☒ No ☐ Yes Date: _____ Time: _____

SAMPLE CONTAINERS & QUANTITIES:

☐ Quart Jar (Glass w/Teflon Liner)	1	☐ 40 ml Vial with Teflon Liner	___
☐ 500 ml Plastic Cylinder	___	☐ Pint Jar (Glass w/Teflon Liner	___
☐ ½ Gallon (Plastic)	___	☐ Other _____	

PARAMETERS: ☐ See Attached Proposal/List

☐ NYSDEC Part 360 Routine	☐ NYSDEC Part 360 Baseline	☐ EPA 8021	☐ EPA 503.1
☐ 8270 (Base Neutrals)	☒ NYSDOH 310-13 TPH	☐ EPA 624	☐ EPA 601/602

NOTES: * SAMPLE CONTAINS FREE-PHASE GASOLINE PRODUCT

Collected By Daniel Bishuk Jr. Date 5/14/98

Delivered By Daniel Bishuk Jr. Date 5/15/98 Time 8:50

Received By Christine Miguel Date 5/15/98 Time 0850

CES Certified Environmental Services, Inc.

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REPORT OF ANALYSES

ALASKAN OIL, INC.
120 WILKINSON ST.
SYRACUSE, NY 13204-
Attn: MR. RICH NEUGEBAUER

PROJECT NAME: AOI/PEF, #326-Altmar
DATE: 06/09/98

SAMPLE NUMBER- 161078 SAMPLE ID- MW-2 SAMPLE MATRIX- WA
DATE SAMPLED- 05/14/98 TIME SAMPLED- 1645
DATE RECEIVED- 05/15/98 SAMPLER- Daniel Bishuk Jr. RECEIVED BY- CAM
TIME RECEIVED- 0850 DELIVERED BY- Daniel Bishuk TYPE SAMPLE- Grab

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
EPA 8021 Scan	EPA 8021			05/27/98		BLD		
Benzene	EPA 8021			05/27/98		BLD	< 0.7	ug/L
Toluene	EPA 8021			05/27/98		BLD	< 1.0	ug/L
Ethylbenzene	EPA 8021			05/27/98		BLD	< 1.0	ug/L
m-Xylene & p-Xylene	EPA 8021			05/27/98		BLD	< 1.0	ug/L
o-Xylene	EPA 8021			05/27/98		BLD	< 1.0	ug/L
Isopropylbenzene	EPA 8021			05/27/98		BLD	< 1.0	ug/L
n-Propylbenzene	EPA 8021			05/27/98		BLD	< 1.0	ug/L
1,3,5-Trimethylbenzene	EPA 8021			05/27/98		BLD	< 1.0	ug/L
tert-Butylbenzene	EPA 8021			05/27/98		BLD	< 1.0	ug/L
1,2,4-Trimethylbenzene	EPA 8021			05/27/98		BLD	< 1.0	ug/L
sec-Butylbenzene	EPA 8021			05/27/98		BLD	< 1.0	ug/L
p-Isopropyltoluene	EPA 8021			05/27/98		BLD	< 1.0	ug/L
n-Butylbenzene	EPA 8021			05/27/98		BLD	< 1.0	ug/L
Naphthalene	EPA 8021			05/27/98		BLD	< 5.0	ug/L
Methyl-t-Butyl Ether	EPA 8021			05/27/98		BLD	< 5.0	ug/L
EPA 8100 Scan	EPA 8100	05/20/98	BJC	06/05/98		KMS		
Naphthalene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Acenaphthylene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Acenaphthene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Fluorene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L

CES Certified Environmental Services, Inc.

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CONTINUATION OF DATA FOR SAMPLE NUMBER 161078

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Phenanthrene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Anthracene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Fluoranthene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Pyrene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Benzo(a)Anthracene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Chrysene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Benzo(b)Fluoranthene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Benzo(k)Fluoranthene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Benzo(a)Pyrene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Indeno(1,2,3-cd)Pyrene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Dibenzo(a,h)Anthracene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Benzo(ghi)Perylene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L

NYSDOH LAB ID NO. 11246 APPROVED BY: _____

CES
Certified Environmental Services, Inc.

MONITORING WELL SAMPLE CHARACTERIZATION & CHAIN-OF-CUSTODY

1401 Erie Boulevard East
Syracuse, New York 13210
Ph (315) 478-2374 Fax (315) 478-2107

CLIENT: Alaskan Oil, Inc. LOG NO. 16IC78

CONTACT: Jim Hines WELL NO. MW-2

LOCATION: AOI #326 / Altmar Rt 13 & Cemetary St. WELL TYPE/SIZE: PVC 2" ¢

WELL PURGING & SAMPLING: Date: 5/14/98 Purge Start Time: 14:20 Purge End Time: 14:40

Total Well Depth 9.0 ft. # Well Volumes Purged 4 Color LtBr/ LtBr/ Clr

Depth to Water 5.66 ft. Total Volume Purged 2.5 gal Turbidity M / L / L

Well Volume 1X = 0.53 gal / 4X = 2.1 gal Final Depth to Water Static Odor No

Purge Method Bailer SAMPLE COLLECTED: Time 16:45 Date 5/14/98

WEATHER CONDITIONS: Sunny Low 80°'s F

FIELD PARAMETERS:	pH	pH Calibration	Conductivity	Temperature
Initial Reading	N/C	@ 4.0 Std =	N/C	N/C
Intermediate Reading		@ 7.0 Std =		Redox
Final Reading		@ ___ Std =		

SAMPLE PRESERVATION:

Date 5/14/98 Time 7:15 By DB

Preservative: ☐ H_2SO_4 ☐ HNO_3 ☐ NaOH ☒ HCl ☐ $Na_2S_2O_3$ ☐ Cooled to 4° C

☐ Other (Identify) _____

Was Sample Filtered? ☒ No ☐ Yes Date: _____ Time: _____

SAMPLE CONTAINERS & QUANTITIES:

☒ Quart Jar (Glass w/Teflon Liner)	2	☒ 40 ml Vial with Teflon Liner	2
☐ 500 ml Plastic Cylinder	___	☐ Pint Jar (Glass w/Teflon Liner	___
☐ ½ Gallon (Plastic)	___	☐ Other _____	

PARAMETERS: ☐ See Attached Proposal/List

☐ NYSDEC Part 360 Routine	☐ NYSDEC Part 360 Baseline	☒ EPA 8021	☐ EPA 503.1
☐ 8270 (Base Neutrals)	☐ NYSDOH 310-13	☐ EPA 624	☐ EPA 601/602
		☒ EPA 8100	

NOTES: _____

Collected By Daniel Bishuk Jr. Date 5/14/98

Delivered By Daniel Bishuk Jr. Date 5/15/98 Time 8:50

Received By Christine Maguire Date 5/15/98 Time 0850

CES Certified Environmental Services, Inc.

1401 Erie Blvd. East
Syracuse, NY 13210
Phone 315-478-2374
Fax 315-478-2107

REPORT OF ANALYSES

ALASKAN OIL, INC.
120 WILKINSON ST.
SYRACUSE, NY 13204-
Attn: MR. RICH NEUGEBAUER

PROJECT NAME: AOI/PEF, #326-Altmar
DATE: 06/09/98

SAMPLE NUMBER- 161079 SAMPLE ID- MW-3 SAMPLE MATRIX- WA
DATE SAMPLED- 05/14/98 TIME SAMPLED- 1700
DATE RECEIVED- 05/15/98 SAMPLER- Daniel Bishuk Jr. RECEIVED BY- CAM
TIME RECEIVED- 0850 DELIVERED BY- Daniel Bishuk TYPE SAMPLE- Grab

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
EPA 8021 Scan	EPA 8021			05/26/98		BLD		
Benzene	EPA 8021			05/26/98		BLD	< 0.7	ug/L
Toluene	EPA 8021			05/26/98		BLD	< 1.0	ug/L
Ethylbenzene	EPA 8021			05/26/98		BLD	< 1.0	ug/L
m-Xylene & p-Xylene	EPA 8021			05/26/98		BLD	< 1.0	ug/L
o-Xylene	EPA 8021			05/26/98		BLD	< 1.0	ug/L
Isopropylbenzene	EPA 8021			05/26/98		BLD	< 1.0	ug/L
n-Propylbenzene	EPA 8021			05/26/98		BLD	< 1.0	ug/L
1,3,5-Trimethylbenzene	EPA 8021			05/26/98		BLD	< 1.0	ug/L
tert-Butylbenzene	EPA 8021			05/26/98		BLD	< 1.0	ug/L
1,2,4-Trimethylbenzene	EPA 8021			05/26/98		BLD	< 1.0	ug/L
sec-Butylbenzene	EPA 8021			05/26/98		BLD	< 1.0	ug/L
p-Isopropyltoluene	EPA 8021			05/26/98		BLD	< 1.0	ug/L
n-Butylbenzene	EPA 8021			05/26/98		BLD	< 1.0	ug/L
Naphthalene	EPA 8021			05/26/98		BLD	< 5.0	ug/L
Methyl-t-Butyl Ether	EPA 8021			05/26/98		BLD	< 5.0	ug/L
EPA 8100 Scan	EPA 8100	05/20/98	BJC	06/05/98		KMS		
Naphthalene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Acenaphthylene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Acenaphthene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Fluorene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L

CES Certified Environmental Services, Inc.

1401 Erie Blvd. East
Syracuse, NY 13210
Phone 315-478-2374
Fax 315-478-2107

CONTINUATION OF DATA FOR SAMPLE NUMBER 161079

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Phenanthrene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Anthracene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Fluoranthene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Pyrene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Benzo(a)Anthracene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Chrysene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Benzo(b)Fluoranthene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Benzo(k)Fluoranthene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Benzo(a)Pyrene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Indeno(1,2,3-cd)Pyrene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Dibenzo(a,h)Anthracene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Benzo(ghi)Perylene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L

NYSDOH LAB ID NO. 11246 APPROVED BY: 

CES
Certified Environmental Services, Inc.

MONITORING WELL SAMPLE CHARACTERIZATION & CHAIN-OF-CUSTODY

1401 Erie Boulevard East
Syracuse, New York 13210
Ph (315) 478-2374 Fax (315) 478-2107

CLIENT: Alaskan Oil, Inc. LOG NO. 161079

CONTACT: Jim Hines WELL NO. MW-3

LOCATION: AOI #326 / Altmar Rt 13 & Cemetary St. WELL TYPE/SIZE: PVC 2" ϕ

WELL PURGING & SAMPLING: Date: 5/14/98 Purge Start Time: 14:40 Purge End Time: 15:00

Total Well Depth 8.5 ft. # Well Volumes Purged 4 Color Red Br / Red Br / Red Brown

Depth to Water 4.43 ft. Total Volume Purged 3 gal Turbidity H / H / M

Well Volume 1X = 0.65 gal / 4X = 2.6 gal Final Depth to Water Static Odor No

Purge Method Bailer **SAMPLE COLLECTED:** Time 17:00 Date 5/14/98

WEATHER CONDITIONS: Sunny Low 80's F

FIELD PARAMETERS:	pH	pH Calibration	Conductivity	Temperature
Initial Reading	N/C	@ 4.0 Std =	N/C	N/C
Intermediate Reading		@ 7.0 Std =		Redox
Final Reading		@ ___ Std =		

SAMPLE PRESERVATION:

Date 5/14/98 Time 7:15 By DB

Preservative: ☐ H_2SO_4 ☐ HNO_3 ☐ NaOH ☒ HCl ☐ $Na_2S_2O_3$ ☐ Cooled to 4° C

☐ Other (Identify) _____

Was Sample Filtered? ☒ No ☐ Yes Date: _____ Time: _____

SAMPLE CONTAINERS & QUANTITIES:

☒ Quart Jar (Glass w/Teflon Liner)	2	☒ 40 ml Vial with Teflon Liner	2
☐ 500 ml Plastic Cylinder	___	☐ Pint Jar (Glass w/Teflon Liner	___
☐ ½ Gallon (Plastic)	___	☐ Other _____	

PARAMETERS: ☐ See Attached Proposal/List

☐ NYSDEC Part 360 Routine	☐ NYSDEC Part 360 Baseline	☒ EPA 8021	☐ EPA 503.1
☐ 8270 (Base Neutrals)	☐ NYSDOH 310-13	☐ EPA 624	☐ EPA 601/602
		☒ EPA 8100	

NOTES: _____

Collected By Daniel Bishuk Jr. Date 5/14/98

Delivered By Daniel Bishuk Jr. Date 5/15/98 Time 8:50

Received By Christine Miguel Date 5/15/98 Time 0850

CES Certified Environmental Services, Inc.

1401 Erie Blvd. East
Syracuse, NY 13210
Phone 315-478-2374
Fax 315-478-2107

REPORT OF ANALYSES

ALASKAN OIL, INC.
120 WILKINSON ST.
SYRACUSE, NY 13204-
Attn: MR. RICH NEUGEBAUER

PROJECT NAME: AOI/PEF, #326-Altmar
DATE: 06/09/98

SAMPLE NUMBER- 161080 SAMPLE ID- MW-4 SAMPLE MATRIX- WA
DATE SAMPLED- 05/14/98 TIME SAMPLED- 1715
DATE RECEIVED- 05/15/98 SAMPLER- Daniel Bishuk Jr. RECEIVED BY- CAM
TIME RECEIVED- 0850 DELIVERED BY- Daniel Bishuk TYPE SAMPLE- Grab

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
EPA 8021 Scan	EPA 8021			05/26/98		BLD		
Benzene	EPA 8021			05/26/98		BLD	< 0.7	ug/L
Toluene	EPA 8021			05/26/98		BLD	< 1.0	ug/L
Ethylbenzene	EPA 8021			05/26/98		BLD	< 1.0	ug/L
m-Xylene & p-Xylene	EPA 8021			05/26/98		BLD	< 1.0	ug/L
o-Xylene	EPA 8021			05/26/98		BLD	< 1.0	ug/L
Isopropylbenzene	EPA 8021			05/26/98		BLD	< 1.0	ug/L
n-Propylbenzene	EPA 8021			05/26/98		BLD	< 1.0	ug/L
1,3,5-Trimethylbenzene	EPA 8021			05/26/98		BLD	< 1.0	ug/L
tert-Butylbenzene	EPA 8021			05/26/98		BLD	< 1.0	ug/L
1,2,4-Trimethylbenzene	EPA 8021			05/26/98		BLD	< 1.0	ug/L
sec-Butylbenzene	EPA 8021			05/26/98		BLD	< 1.0	ug/L
p-Isopropyltoluene	EPA 8021			05/26/98		BLD	< 1.0	ug/L
n-Butylbenzene	EPA 8021			05/26/98		BLD	< 1.0	ug/L
Naphthalene	EPA 8021			05/26/98		BLD	< 5.0	ug/L
Methyl-t-Butyl Ether	EPA 8021			05/26/98		BLD	< 5.0	ug/L
EPA 8100 Scan	EPA 8100	05/20/98	BJC	06/05/98		KMS		
Naphthalene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Acenaphthylene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Acenaphthene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Fluorene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L

CES Certified Environmental Services, Inc.

1401 Erie Blvd. East
Syracuse, NY 13210
Phone 315-478-2374
Fax 315-478-2107

CONTINUATION OF DATA FOR SAMPLE NUMBER 161080

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Phenanthrene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Anthracene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Fluoranthene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Pyrene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Benzo(a)Anthracene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Chrysene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Benzo(b)Fluoranthene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Benzo(k)Fluoranthene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Benzo(a)Pyrene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Indeno(1,2,3-cd)Pyrene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Dibenzo(a,h)Anthracene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Benzo(ghi)Perylene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L

NYSDOH LAB ID NO. 11246 APPROVED BY: _____

CES
Certified Environmental Services, Inc.

MONITORING WELL SAMPLE CHARACTERIZATION & CHAIN-OF-CUSTODY

1401 Erie Boulevard East
Syracuse, New York 13210
Ph (315) 478-2374 Fax (315) 478-2107

CLIENT: Alaskan Oil, Inc. LOG NO. 16108C

CONTACT: Jim Hines WELL NO. MW-4

LOCATION: ADI #326 / Altmar Rte 13 & Cemetary St. WELL TYPE/SIZE: PVC 2" ¢

WELL PURGING & SAMPLING: Date: 5/14/98 Purge Start Time: 15:00 Purge End Time: 15:15

Total Well Depth 9.3 ft. # Well Volumes Purged 4 Color Red/Br Red/Br Red Brown

Depth to Water 6.01 ft. Total Volume Purged 2.5 gal Turbidity H1 H1M

Well Volume 1X = 0.53 gal / 4X = 2.1 gal Final Depth to Water Static Odor No

Purge Method Bailer SAMPLE COLLECTED: Time 17:15 Date 5/14/98

WEATHER CONDITIONS: Sunny Low 80°'s F

FIELD PARAMETERS:	pH	pH Calibration	Conductivity	Temperature
Initial Reading	N/C	@ 4.0 Std =	N/C	N/C
Intermediate Reading		@ 7.0 Std =		Redox
Final Reading		@ ___ Std =		

SAMPLE PRESERVATION:

Date 5/14/98 Time 7:15 By DB

Preservative: ☐ H_2SO_4 ☐ HNO_3 ☐ NaOH ☒ HCl ☐ $Na_2S_2O_3$ ☐ Cooled to 4° C

☐ Other (Identify) _____

Was Sample Filtered? ☒ No ☐ Yes Date: _____ Time: _____

SAMPLE CONTAINERS & QUANTITIES:

☒ Quart Jar (Glass w/Teflon Liner)	2	☒ 40 ml Vial with Teflon Liner	2
☐ 500 ml Plastic Cylinder		☐ Pint Jar (Glass w/Teflon Liner	
☐ ½ Gallon (Plastic)		☐ Other	

PARAMETERS: ☐ See Attached Proposal/List

☐ NYSDEC Part 360 Routine	☐ NYSDEC Part 360 Baseline	☒ EPA 8021	☐ EPA 503.1
☐ 8270 (Base Neutrals)	☐ NYSDOH 310-13	☐ EPA 624	☐ EPA 601/602
		☒ EPA 8100	

NOTES: _____

Collected By Daniel Bishuk Jr. Date 5/14/98

Delivered By Daniel Bishuk Jr. Date 5/15/98 Time 8:50

Received By Christine Meyer Date 5/15/98 Time 0850

CES Certified Environmental Services, Inc.

1401 Erie Blvd. East
Syracuse, NY 13210
Phone 315-478-2374
Fax 315-478-2107

REPORT OF ANALYSES

ALASKAN OIL, INC.
120 WILKINSON ST.
SYRACUSE, NY 13204-
Attn: MR. RICH NEUGEBAUER

PROJECT NAME: AOI/PEF, #326-Altmar
DATE: 06/09/98

SAMPLE NUMBER- 161081 SAMPLE ID- MW-5 SAMPLE MATRIX- WA
DATE SAMPLED- 05/14/98 TIME SAMPLED- 1830
DATE RECEIVED- 05/15/98 SAMPLER- Daniel Bishuk Jr. RECEIVED BY- CAM
TIME RECEIVED- 0850 DELIVERED BY- Daniel Bishuk TYPE SAMPLE- Grab

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
EPA 8021 Scan	EPA 8021			05/28/98		BLD		
Benzene	EPA 8021			05/28/98		BLD	< 5.0	ug/L
Toluene	EPA 8021			05/28/98		BLD	< 5.0	ug/L
Ethylbenzene	EPA 8021			05/28/98		BLD	14	ug/L
m-Xylene & p-Xylene	EPA 8021			05/28/98		BLD	24	ug/L
o-Xylene	EPA 8021			05/28/98		BLD	< 5.0	ug/L
Isopropylbenzene	EPA 8021			05/28/98		BLD	< 5.0	ug/L
n-Propylbenzene	EPA 8021			05/28/98		BLD	8.0	ug/L
1,3,5-Trimethylbenzene	EPA 8021			05/28/98		BLD	21	ug/L
tert-Butylbenzene	EPA 8021			05/28/98		BLD	< 5.0	ug/L
1,2,4-Trimethylbenzene	EPA 8021			05/28/98		BLD	52	ug/L
sec-Butylbenzene	EPA 8021			05/28/98		BLD	< 5.0	ug/L
p-Isopropyltoluene	EPA 8021			05/28/98		BLD	< 5.0	ug/L
n-Butylbenzene	EPA 8021			05/28/98		BLD	32	ug/L
Naphthalene	EPA 8021			05/28/98		BLD	< 5.0	ug/L
Methyl-t-Butyl Ether	EPA 8021			05/28/98		BLD	< 25	ug/L
EPA 8100 Scan	EPA 8100	05/20/98	BJC	06/05/98		KMS		
Naphthalene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Acenaphthylene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Acenaphthene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Fluorene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L

CES Certified Environmental Services, Inc.

1401 Erie Blvd. East
Syracuse, NY 13210
Phone 315-478-2374
Fax 315-478-2107

CONTINUATION OF DATA FOR SAMPLE NUMBER 161081

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Phenanthrene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Anthracene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Fluoranthene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Pyrene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Benzo(a)Anthracene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Chrysene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Benzo(b)Fluoranthene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Benzo(k)Fluoranthene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Benzo(a)Pyrene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Indeno(1,2,3-cd)Pyrene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Dibenzo(a,h)Anthracene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Benzo(ghi)Perylene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L

NYSDOH LAB ID NO. 11246 APPROVED BY:

CES
Certified Environmental Services, Inc.

MONITORING WELL SAMPLE CHARACTERIZATION & CHAIN-OF-CUSTODY

1401 Erie Boulevard East
Syracuse, New York 13210
Ph (315) 478-2374 Fax (315) 478-2107

CLIENT: Alaskan Oil, Inc. LOG NO. 16108

CONTACT: Jim Hines WELL NO. MW-5

LOCATION: AOI #326 / Altmar Rte 13 & Cemetary St. WELL TYPE/SIZE: PVC 2" ϕ

WELL PURGING & SAMPLING: Date: 5/14/98 Purge Start Time: 16:00 Purge End Time: 16:10

Total Well Depth 11.2 ft. # Well Volumes Purged 4 Color Br / LtBr LtBr

Depth to Water 6.04 ft. Total Volume Purged 3.5 gal Turbidity M / L / L

Well Volume 1X = 0.83 gal 4X = 3.32 gal Final Depth to Water Static Odor Yes

Purge Method Bailer SAMPLE COLLECTED: Time 18:30 Date 5/14/98

WEATHER CONDITIONS: Sunny Low 80°'s F

FIELD PARAMETERS:	pH	pH Calibration	Conductivity	Temperature
Initial Reading	N/C	@ 4.0 Std =	N/C	N/C
Intermediate Reading		@ 7.0 Std =		Redox
Final Reading		@ ___ Std =		

SAMPLE PRESERVATION:

Date 5/14/98 Time 7:15 By DB

Preservative: ☐ H_2SO_4 ☐ HNO_3 ☐ NaOH ☒ HCl ☐ $Na_2S_2O_3$ ☐ Cooled to 4° C

☐ Other (Identify) _____

Was Sample Filtered? ☒ No ☐ Yes Date: _____ Time: _____

SAMPLE CONTAINERS & QUANTITIES:

☒ Quart Jar (Glass w/Teflon Liner)	2	☒ 40 ml Vial with Teflon Liner	2
☐ 500 ml Plastic Cylinder	___	☐ Pint Jar (Glass w/Teflon Liner	___
☐ ½ Gallon (Plastic)	___	☐ Other _____	

PARAMETERS: ☐ See Attached Proposal/List

☐ NYSDEC Part 360 Routine	☐ NYSDEC Part 360 Baseline	☒ EPA 8021	☐ EPA 503.1
☐ 8270 (Base Neutrals)	☐ NYSDOH 310-13	☐ EPA 624	☐ EPA 601/602
		☒ EPA 8100	

NOTES: _____

Collected By Daniel Bishuk Jr. Date 5/14/98

Delivered By Daniel Bishuk Jr. Date 5/15/98 Time 8:50

Received By [signature] Date 5/15/98 Time 0850

CES Certified Environmental Services, Inc.

1401 Erie Blvd. East
Syracuse, NY 13210
Phone 315-478-2374
Fax 315-478-2107

REPORT OF ANALYSES

ALASKAN OIL, INC.
120 WILKINSON ST.
SYRACUSE, NY 13204-
Attn: MR. RICH NEUGEBAUER

PROJECT NAME: AOI/PEF, #326-Altmar
DATE: 06/09/98

SAMPLE NUMBER- 161082 SAMPLE ID- MW-6 SAMPLE MATRIX- WA
DATE SAMPLED- 05/14/98 TIME SAMPLED- 1815
DATE RECEIVED- 05/15/98 SAMPLER- Daniel Bishuk Jr. RECEIVED BY- CAM
TIME RECEIVED- 0850 DELIVERED BY- Daniel Bishuk TYPE SAMPLE- Grab

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
EPA 8021 Scan	EPA 8021			05/28/98		BLD		
Benzene	EPA 8021			05/28/98		BLD	1000	ug/L
Toluene	EPA 8021			05/28/98		BLD	430	ug/L
Ethylbenzene	EPA 8021			05/28/98		BLD	186	ug/L
m-Xylene & p-Xylene	EPA 8021			05/28/98		BLD	350	ug/L
o-Xylene	EPA 8021			05/28/98		BLD	84	ug/L
Isopropylbenzene	EPA 8021			05/28/98		BLD	< 25	ug/L
n-Propylbenzene	EPA 8021			05/28/98		BLD	< 25	ug/L
1,3,5-Trimethylbenzene	EPA 8021			05/28/98		BLD	36	ug/L
tert-Butylbenzene	EPA 8021			05/28/98		BLD	< 25	ug/L
1,2,4-Trimethylbenzene	EPA 8021			05/28/98		BLD	150	ug/L
sec-Butylbenzene	EPA 8021			05/28/98		BLD	< 25	ug/L
p-Isopropyltoluene	EPA 8021			05/28/98		BLD	< 25	ug/L
n-Butylbenzene	EPA 8021			05/28/98		BLD	< 25	ug/L
Naphthalene	EPA 8021			05/28/98		BLD	< 25	ug/L
Methyl-t-Butyl Ether	EPA 8021			05/28/98		BLD	< 100	ug/L
EPA 8100 Scan	EPA 8100	05/20/98	BJC	06/05/98		KMS		
Naphthalene	EPA 8100	05/20/98	BJC	06/05/98		KMS	14	ug/L
Acenaphthylene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Acenaphthene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Fluorene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L

CES Certified Environmental Services, Inc.

1401 Erie Blvd. East
Syracuse, NY 13210
Phone 315-478-2374
Fax 315-478-2107

CONTINUATION OF DATA FOR SAMPLE NUMBER 161082

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Phenanthrene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Anthracene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Fluoranthene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Pyrene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Benzo(a)Anthracene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Chrysene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Benzo(b)Fluoranthene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Benzo(k)Fluoranthene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Benzo(a)Pyrene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Indeno(1,2,3-cd)Pyrene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Dibenzo(a,h)Anthracene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Benzo(ghi)Perylene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L

NYSDOH LAB ID NO. 11246 APPROVED BY:

CES
Certified Environmental Services, Inc.

MONITORING WELL SAMPLE CHARACTERIZATION & CHAIN-OF-CUSTODY

1401 Erie Boulevard East
Syracuse, New York 13210
Ph (315) 478-2374 Fax (315) 478-2107

CLIENT: Alaskan Oil, Inc. LOG NO. 16082

CONTACT: Jim Hines WELL NO. MW-6

LOCATION: AOI #326 / Altmar Rte 13 & Cemetary St. WELL TYPE/SIZE: P/C 2" ϕ

WELL PURGING & SAMPLING: Date: 5/14/98 Purge Start Time: 15:45 Purge End Time: 16:00

Total Well Depth 11.3 ft. # Well Volumes Purged 4 Color Br / Br / Lt Br

Depth to Water 5.52 ft. Total Volume Purged 4 gal Turbidity H / H / M

Well Volume 1X = 0.92 gal 4X = 3.7 gal Final Depth to Water Static Odor Ø Yes

Purge Method Bailer **SAMPLE COLLECTED:** Time 18:15 Date 5/14/98

WEATHER CONDITIONS: Sunny Low 80°'s F

FIELD PARAMETERS:	pH	pH Calibration	Conductivity	Temperature
Initial Reading	N/C	@ 4.0 Std =	N/C	N/C
Intermediate Reading		@ 7.0 Std =		Redox
Final Reading		@ ___ Std =		

SAMPLE PRESERVATION:

Date 5/14/98 Time 7:15 By DB

Preservative: ☐ H_2SO_4 ☐ HNO_3 ☐ NaOH ☒ HCl ☐ $Na_2S_2O_3$ ☐ Cooled to 4° C

☐ Other (Identify) _____

Was Sample Filtered? ☒ No ☐ Yes Date: _____ Time: _____

SAMPLE CONTAINERS & QUANTITIES:

☒ Quart Jar (Glass w/Teflon Liner)	2	☒ 40 ml Vial with Teflon Liner	2
☐ 500 ml Plastic Cylinder		☐ Pint Jar (Glass w/Teflon Liner	
☐ ½ Gallon (Plastic)		☐ Other	

PARAMETERS: ☐ See Attached Proposal/List

☐ NYSDEC Part 360 Routine	☐ NYSDEC Part 360 Baseline	☒ EPA 8021	☐ EPA 503.1
☐ 8270 (Base Neutrals)	☐ NYSDOH 310-13	☐ EPA 624	☐ EPA 601/602
		☒ EPA 8100	

NOTES: _____

Collected By Daniel Bishuk Jr. Date 5/14/98

Delivered By Daniel Bishuk Jr. Date 5/15/98 Time 8:50

Received By Christine Miguel Date 5/15/98 Time 0850

CES Certified Environmental Services, Inc.

1401 Erie Blvd. East
Syracuse, NY 13210
Phone 315-478-2374
Fax 315-478-2107

REPORT OF ANALYSES

ALASKAN OIL, INC.
120 WILKINSON ST.
SYRACUSE, NY 13204-
Attn: MR. RICH NEUGEBAUER

PROJECT NAME: AOI/PEF, #326-Altmar
DATE: 06/09/98

SAMPLE NUMBER- 161083 SAMPLE ID- MW-7 SAMPLE MATRIX- WA
DATE SAMPLED- 05/14/98 TIME SAMPLED- 1630
DATE RECEIVED- 05/15/98 SAMPLER- Daniel Bishuk Jr. RECEIVED BY- CAM
TIME RECEIVED- 0850 DELIVERED BY- Daniel Bishuk TYPE SAMPLE- Grab

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
EPA 8021 Scan	EPA 8021			05/28/98		BLD		
Benzene	EPA 8021			05/28/98		BLD	< 0.7	ug/L
Toluene	EPA 8021			05/28/98		BLD	< 1.0	ug/L
Ethylbenzene	EPA 8021			05/28/98		BLD	< 1.0	ug/L
m-Xylene & p-Xylene	EPA 8021			05/28/98		BLD	< 1.0	ug/L
o-Xylene	EPA 8021			05/28/98		BLD	< 1.0	ug/L
Isopropylbenzene	EPA 8021			05/28/98		BLD	< 1.0	ug/L
n-Propylbenzene	EPA 8021			05/28/98		BLD	< 1.0	ug/L
1,3,5-Trimethylbenzene	EPA 8021			05/28/98		BLD	< 1.0	ug/L
tert-Butylbenzene	EPA 8021			05/28/98		BLD	< 1.0	ug/L
1,2,4-Trimethylbenzene	EPA 8021			05/28/98		BLD	< 1.0	ug/L
sec-Butylbenzene	EPA 8021			05/28/98		BLD	< 1.0	ug/L
p-Isopropyltoluene	EPA 8021			05/28/98		BLD	< 1.0	ug/L
n-Butylbenzene	EPA 8021			05/28/98		BLD	< 1.0	ug/L
Naphthalene	EPA 8021			05/28/98		BLD	< 5.0	ug/L
Methyl-t-Butyl Ether	EPA 8021			05/28/98		BLD	< 5.0	ug/L
EPA 8100 Scan	EPA 8100	05/20/98	BJC	06/05/98		KMS		
Naphthalene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Acenaphthylene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Acenaphthene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Fluorene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L

CES Certified Environmental Services, Inc.

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Fax 315-478-2107

CONTINUATION OF DATA FOR SAMPLE NUMBER 161083

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Phenanthrene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Anthracene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Fluoranthene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Pyrene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Benzo(a)Anthracene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Chrysene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Benzo(b)Fluoranthene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Benzo(k)Fluoranthene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Benzo(a)Pyrene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Indeno(1,2,3-cd)Pyrene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Dibenzo(a,h)Anthracene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Benzo(ghi)Perylene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L

NYSDOH LAB ID NO. 11246 APPROVED BY: Barbara G. Dehn

CES
Certified Environmental Services, Inc.

MONITORING WELL SAMPLE CHARACTERIZATION & CHAIN-OF-CUSTODY

1401 Erie Boulevard East
Syracuse, New York 13210
Ph (315) 478-2374 Fax (315) 478-2107

CLIENT: Alaskan Oil, Inc. LOG NO. 16083

CONTACT: Jim Hines WELL NO. MW-7

LOCATION: AOI #326 / Altmar Rte 13 & Cemetary St. WELL TYPE/SIZE: PVC 2" ϕ

WELL PURGING & SAMPLING: Date: 5/14/98 Purge Start Time: 14:00 Purge End Time: 14:15

Total Well Depth 9.4 ft. # Well Volumes Purged 4 Color Clr / Clr / Clr

Depth to Water 5.38 ft. Total Volume Purged 3 gal. Turbidity L / L / L

Well Volume 1X = 0.64 gal 4X = 2.5 gal Final Depth to Water Static Odor No

Purge Method Bailer **SAMPLE COLLECTED:** Time 16:30 Date 5/14/98

WEATHER CONDITIONS: Sunny Low 80°'s F

FIELD PARAMETERS:	pH	pH Calibration	Conductivity	Temperature
Initial Reading	NC	@ 4.0 Std =	NC	NC
Intermediate Reading		@ 7.0 Std =		Redox
Final Reading		@ ___ Std =		

SAMPLE PRESERVATION:

Date 5/14/98 Time 7:15 By DB

Preservative: ☐ H_2SO_4 ☐ HNO_3 ☐ NaOH ☒ HCl ☐ $Na_2S_2O_3$ ☐ Cooled to 4° C

☐ Other (Identify) _____

Was Sample Filtered? ☒ No ☐ Yes Date: _____ Time: _____

SAMPLE CONTAINERS & QUANTITIES:

☒ Quart Jar (Glass w/Teflon Liner)	2	☒ 40 ml Vial with Teflon Liner	2
☐ 500 ml Plastic Cylinder	___	☐ Pint Jar (Glass w/Teflon Liner	___
☐ ½ Gallon (Plastic)	___	☐ Other _____	

PARAMETERS: ☐ See Attached Proposal/List

☐ NYSDEC Part 360 Routine	☐ NYSDEC Part 360 Baseline	☒ EPA 8021	☐ EPA 503.1
☐ 8270 (Base Neutrals)	☐ NYSDOH 310-13	☐ EPA 624	☐ EPA 601/602
		☒ EPA 8100	

NOTES: _____

Collected By Daniel Bishuk Jr. Date 5/14/98

Delivered By Daniel Bishuk Jr. Date 5/15/98 Time 8:50

Received By Christine Magee Date 5/15/98 Time 0850

CES Certified Environmental Services, Inc.

1401 Erie Blvd. East
Syracuse, NY 13210
Phone 315-478-2374
Fax 315-478-2107

REPORT OF ANALYSES

ALASKAN OIL, INC.
120 WILKINSON ST.
SYRACUSE, NY 13204-
Attn: MR. RICH NEUGEBAUER

PROJECT NAME: AOI/PEF, #326-Altmar
DATE: 06/09/98

SAMPLE NUMBER- 161084 SAMPLE ID- MW-8 SAMPLE MATRIX- WA
DATE SAMPLED- 05/14/98 TIME SAMPLED- 1745
DATE RECEIVED- 05/15/98 SAMPLER- Daniel Bishuk Jr. RECEIVED BY- CAM
TIME RECEIVED- 0850 DELIVERED BY- Daniel Bishuk TYPE SAMPLE- Grab

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
EPA 8021 Scan	EPA 8021			05/28/98		BLD		
Benzene	EPA 8021			05/28/98		BLD	0.9	ug/L
Toluene	EPA 8021			05/28/98		BLD	< 1.0	ug/L
Ethylbenzene	EPA 8021			05/28/98		BLD	< 1.0	ug/L
m-Xylene & p-Xylene	EPA 8021			05/28/98		BLD	< 1.0	ug/L
o-Xylene	EPA 8021			05/28/98		BLD	< 1.0	ug/L
Isopropylbenzene	EPA 8021			05/28/98		BLD	< 1.0	ug/L
n-Propylbenzene	EPA 8021			05/28/98		BLD	< 1.0	ug/L
1,3,5-Trimethylbenzene	EPA 8021			05/28/98		BLD	< 1.0	ug/L
tert-Butylbenzene	EPA 8021			05/28/98		BLD	< 1.0	ug/L
1,2,4-Trimethylbenzene	EPA 8021			05/28/98		BLD	< 1.0	ug/L
sec-Butylbenzene	EPA 8021			05/28/98		BLD	< 1.0	ug/L
p-Isopropyltoluene	EPA 8021			05/28/98		BLD	< 1.0	ug/L
n-Butylbenzene	EPA 8021			05/28/98		BLD	< 1.0	ug/L
Naphthalene	EPA 8021			05/28/98		BLD	< 5.0	ug/L
Methyl-t-Butyl Ether	EPA 8021			05/28/98		BLD	< 5.0	ug/L
EPA 8100 Scan	EPA 8100	05/20/98	BJC	06/05/98		KMS		
Naphthalene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Acenaphthylene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Acenaphthene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Fluorene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L

CES Certified Environmental Services, Inc.

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CONTINUATION OF DATA FOR SAMPLE NUMBER 161084

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Phenanthrene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Anthracene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Fluoranthene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Pyrene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Benzo(a)Anthracene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Chrysene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Benzo(b)Fluoranthene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Benzo(k)Fluoranthene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Benzo(a)Pyrene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Indeno(1,2,3-cd)Pyrene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Dibenzo(a,h)Anthracene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Benzo(ghi)Perylene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L

NYSDOH LAB ID NO. 11246 APPROVED BY: 

CES — Certified Environmental Services, Inc.

MONITORING WELL SAMPLE CHARACTERIZATION & CHAIN-OF-CUSTODY

1401 Erie Boulevard East
Syracuse, New York 13210
Ph (315) 478-2374 Fax (315) 478-2107

CLIENT: Alaskan Oil, Inc. LOG NO. 16184

CONTACT: Jim Hines WELL NO. MW-8

LOCATION: AOI #326 / Altmar Rte 13 & Cemetary St. WELL TYPE/SIZE: PVC 2" ϕ

WELL PURGING & SAMPLING: Date: 5/14/98 Purge Start Time: 15:15 Purge End Time: 15:30

Total Well Depth	12.55 ft.	# Well Volumes Purged	4	Color	Lt Brn Lt Brn Clr.
Depth to Water	5.92 ft.	Total Volume Purged	4.5 gal	Turbidity	M / L / L
Well Volume	1X = 1.1 gal 4X = 4.4 gal	Final Depth to Water	Static	Odor	No
Purge Method	Bailer	SAMPLE COLLECTED: Time	17:45	Date	5/14/98

WEATHER CONDITIONS: Sunny Low 80°'s F

FIELD PARAMETERS:	pH	pH Calibration	Conductivity	Temperature
Initial Reading	N/C	@ 4.0 Std =	N/C	N/C
Intermediate Reading		@ 7.0 Std =		Redox
Final Reading		@ ___ Std =		

SAMPLE PRESERVATION:

Date 5/14/98 Time 7:15 By DB

Preservative: ☐ H_2SO_4 ☐ HNO_3 ☐ NaOH ☒ HCl ☐ $Na_2S_2O_3$ ☐ Cooled to 4° C

☐ Other (Identify) _____

Was Sample Filtered? ☒ No ☐ Yes Date: _____ Time: _____

SAMPLE CONTAINERS & QUANTITIES:

☒ Quart Jar (Glass w/Teflon Liner)	2	☒ 40 ml Vial with Teflon Liner	2
☐ 500 ml Plastic Cylinder	___	☐ Pint Jar (Glass w/Teflon Liner	___
☐ ½ Gallon (Plastic)	___	☐ Other _____	

PARAMETERS: ☐ See Attached Proposal/List

☐ NYSDEC Part 360 Routine	☐ NYSDEC Part 360 Baseline	☒ EPA 8021	☐ EPA 503.1
☐ 8270 (Base Neutrals)	☐ NYSDOH 310-13	☐ EPA 624	☐ EPA 601/602
		☒ EPA 8100	

NOTES: _____

Collected By Daniel Bishuk Jr. Date 5/14/98

Delivered By Daniel Bishuk Jr. Date 5/15/98 Time 8:50

Received By Christine Mezzel Date 5/15/98 Time 0850

CES Certified Environmental Services, Inc.

1401 Erie Blvd. East
Syracuse, NY 13210
Phone 315-478-2374
Fax 315-478-2107

REPORT OF ANALYSES

ALASKAN OIL, INC.
120 WILKINSON ST.
SYRACUSE, NY 13204-
Attn: MR. RICH NEUGEBAUER

PROJECT NAME: AOI/PEF, #326-Altmar
DATE: 06/09/98

SAMPLE NUMBER- 161085 SAMPLE ID- MW-9 SAMPLE MATRIX- WA
DATE SAMPLED- 05/14/98 TIME SAMPLED- 1800
DATE RECEIVED- 05/15/98 SAMPLER- Daniel Bishuk Jr. RECEIVED BY- CAM
TIME RECEIVED- 0850 DELIVERED BY- Daniel Bishuk TYPE SAMPLE- Grab

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
EPA 8021 Scan	EPA 8021			05/28/98		BLD		
Benzene	EPA 8021			05/28/98		BLD	< 0.7	ug/L
Toluene	EPA 8021			05/28/98		BLD	< 1.0	ug/L
Ethylbenzene	EPA 8021			05/28/98		BLD	< 1.0	ug/L
m-Xylene & p-Xylene	EPA 8021			05/28/98		BLD	< 1.0	ug/L
o-Xylene	EPA 8021			05/28/98		BLD	< 1.0	ug/L
Isopropylbenzene	EPA 8021			05/28/98		BLD	< 1.0	ug/L
n-Propylbenzene	EPA 8021			05/28/98		BLD	< 1.0	ug/L
1,3,5-Trimethylbenzene	EPA 8021			05/28/98		BLD	< 1.0	ug/L
tert-Butylbenzene	EPA 8021			05/28/98		BLD	< 1.0	ug/L
1,2,4-Trimethylbenzene	EPA 8021			05/28/98		BLD	< 1.0	ug/L
sec-Butylbenzene	EPA 8021			05/28/98		BLD	< 1.0	ug/L
p-Isopropyltoluene	EPA 8021			05/28/98		BLD	< 1.0	ug/L
n-Butylbenzene	EPA 8021			05/28/98		BLD	< 1.0	ug/L
Naphthalene	EPA 8021			05/28/98		BLD	< 5.0	ug/L
Methyl-t-Butyl Ether	EPA 8021			05/28/98		BLD	< 5.0	ug/L
EPA 8100 Scan	EPA 8100	05/20/98	BJC	06/05/98		KMS		
Naphthalene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Acenaphthylene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Acenaphthene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Fluorene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L

CES Certified Environmental Services, Inc.

1401 Erie Blvd. East
Syracuse, NY 13210
Phone 315-478-2374
Fax 315-478-2107

CONTINUATION OF DATA FOR SAMPLE NUMBER 161085

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Phenanthrene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Anthracene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Fluoranthene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Pyrene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Benzo(a)Anthracene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Chrysene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Benzo(b)Fluoranthene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Benzo(k)Fluoranthene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Benzo(a)Pyrene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Indeno(1,2,3-cd)Pyrene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Dibenzo(a,h)Anthracene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Benzo(ghi)Perylene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L

NYSDOH LAB ID NO. 11246 APPROVED BY:

CES
Certified Environmental Services, Inc.

MONITORING WELL SAMPLE CHARACTERIZATION & CHAIN-OF-CUSTODY

1401 Erie Boulevard East
Syracuse, New York 13210
Ph (315) 478-2374 Fax (315) 478-2107

CLIENT: Alaskan Oil, Inc. LOG NO. 16185

CONTACT: Jim Hines WELL NO. MW-9

LOCATION: AOI #326 / Altmar Rt 13 & Cemetary St. WELL TYPE/SIZE: PVC 2" ϕ

WELL PURGING & SAMPLING: Date: 5/14/98 Purge Start Time: 15:30 Purge End Time: 15:45

Total Well Depth 12.95 ft. # Well Volumes Purged 4 Color Br. / Br / LtBr.

Depth to Water 6.47 ft. Total Volume Purged 4 gal Turbidity H / H / M

Well Volume 1X = 1.0 gal 4X = 4.0 gal Final Depth to Water Static Odor No

Purge Method Bailer **SAMPLE COLLECTED:** Time 18:00 Date 5/14/98

WEATHER CONDITIONS: Sunny Low 80°'s F

FIELD PARAMETERS:	pH	pH Calibration	Conductivity	Temperature
Initial Reading	N/C	@ 4.0 Std =	N/C	N/C
Intermediate Reading		@ 7.0 Std =		Redox
Final Reading		@ ___ Std =		

SAMPLE PRESERVATION:

Date 5/14/98 Time 7:15 By DB

Preservative: ☐ H_2SO_4 ☐ HNO_3 ☐ NaOH ☒ HCl ☐ $Na_2S_2O_3$ ☐ Cooled to 4° C

☐ Other (Identify) _____

Was Sample Filtered? ☒ No ☐ Yes Date: _____ Time: _____

SAMPLE CONTAINERS & QUANTITIES:

☒ Quart Jar (Glass w/Teflon Liner)	2	☒ 40 ml Vial with Teflon Liner	2
☐ 500 ml Plastic Cylinder	___	☐ Pint Jar (Glass w/Teflon Liner	___
☐ ½ Gallon (Plastic)	___	☐ Other _____	

PARAMETERS: ☐ See Attached Proposal/List

☐ NYSDEC Part 360 Routine	☐ NYSDEC Part 360 Baseline	☒ EPA 8021	☐ EPA 503.1
☐ 8270 (Base Neutrals)	☐ NYSDOH 310-13	☐ EPA 624	☐ EPA 601/602
		☒ EPA 8100	

NOTES: _____

Collected By Daniel Bishuk Jr. Date 5/14/98

Delivered By Daniel Bishuk Jr. Date 5/15/98 Time 8:50

Received By Christine Miguel Date 5/15/98 Time 0850

CES Certified Environmental Services, Inc.

1401 Erie Blvd. East
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Phone 315-478-2374
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REPORT OF ANALYSES

ALASKAN OIL, INC.
120 WILKINSON ST.
SYRACUSE, NY 13204-
Attn: MR. RICH NEUGEBAUER

PROJECT NAME: AOI/PEF, #326-Altmar
DATE: 06/09/98

SAMPLE NUMBER- 161086 SAMPLE ID- MW-10 SAMPLE MATRIX- WA
DATE SAMPLED- 05/14/98 TIME SAMPLED- 1845
DATE RECEIVED- 05/15/98 SAMPLER- Daniel Bishuk Jr. RECEIVED BY- CAM
TIME RECEIVED- 0850 DELIVERED BY- Daniel Bishuk TYPE SAMPLE- Grab

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
EPA 8021 Scan	EPA 8021			05/28/98		BLD		
Benzene	EPA 8021			05/28/98		BLD	2700	ug/L
Toluene	EPA 8021			05/28/98		BLD	6400	ug/L
Ethylbenzene	EPA 8021			05/28/98		BLD	410	ug/L
m-Xylene & p-Xylene	EPA 8021			05/28/98		BLD	1600	ug/L
o-Xylene	EPA 8021			05/28/98		BLD	390	ug/L
Isopropylbenzene	EPA 8021			05/28/98		BLD	< 100	ug/L
n-Propylbenzene	EPA 8021			05/28/98		BLD	< 100	ug/L
1,3,5-Trimethylbenzene	EPA 8021			05/28/98		BLD	< 100	ug/L
tert-Butylbenzene	EPA 8021			05/28/98		BLD	< 100	ug/L
1,2,4-Trimethylbenzene	EPA 8021			05/28/98		BLD	< 100	ug/L
sec-Butylbenzene	EPA 8021			05/28/98		BLD	< 100	ug/L
p-Isopropyltoluene	EPA 8021			05/28/98		BLD	< 100	ug/L
n-Butylbenzene	EPA 8021			05/28/98		BLD	< 100	ug/L
Naphthalene	EPA 8021			05/28/98		BLD	< 100	ug/L
Methyl-t-Butyl Ether	EPA 8021			05/28/98		BLD	< 250	ug/L
EPA 8100 Scan	EPA 8100	05/20/98	BJC	06/05/98		KMS		
Naphthalene	EPA 8100	05/20/98	BJC	06/05/98		KMS	63	ug/L
Acenaphthylene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Acenaphthene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Fluorene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L

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CONTINUATION OF DATA FOR SAMPLE NUMBER 161086

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Phenanthrene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Anthracene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Fluoranthene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Pyrene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Benzo(a)Anthracene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Chrysene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Benzo(b)Fluoranthene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Benzo(k)Fluoranthene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Benzo(a)Pyrene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Indeno(1,2,3-cd)Pyrene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Dibenzo(a,h)Anthracene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L
Benzo(ghi)Perylene	EPA 8100	05/20/98	BJC	06/05/98		KMS	< 5	ug/L

NYSDOH LAB ID NO. 11246 APPROVED BY:

CES
Certified Environmental Services, Inc.

MONITORING WELL SAMPLE CHARACTERIZATION & CHAIN-OF-CUSTODY

1401 Erie Boulevard East
Syracuse, New York 13210
Ph (315) 478-2374 Fax (315) 478-2107

CLIENT: Alaskan Oil, Inc. LOG NO. 16108

CONTACT: Jim Hines WELL NO. MW-10

LOCATION: ADT #326 / Altmar Rte 13 & Cemetary St. WELL TYPE/SIZE: PVC 2" ¢

WELL PURGING & SAMPLING: Date: 5/14/98 Purge Start Time: 16:10 Purge End Time: 16:20

Total Well Depth 13.0 ft. # Well Volumes Purged 4 Color Br / Br / Br

Depth to Water 6.79 ft. Total Volume Purged 4 gal Turbidity H / H / M

Well Volume 1X = 0.99 gal 4X = 3.97 gal Final Depth to Water Static Odor Yes

Purge Method Bailer SAMPLE COLLECTED: Time 18:45 Date 5/14/98

WEATHER CONDITIONS: Sunny Low 80°s F

FIELD PARAMETERS:	pH	pH Calibration	Conductivity	Temperature
Initial Reading	N/C	@ 4.0 Std =	N/C	N/C
Intermediate Reading		@ 7.0 Std =		Redox
Final Reading		@ ___ Std =		

SAMPLE PRESERVATION:

Date 5/14/98 Time 7:15 By DB

Preservative: ☐ H_2SO_4 ☐ HNO_3 ☐ NaOH ☒ HCl ☐ $Na_2S_2O_3$ ☐ Cooled to 4° C

☐ Other (Identify) ____

Was Sample Filtered? ☒ No ☐ Yes Date: ____ Time: ____

SAMPLE CONTAINERS & QUANTITIES:

☒ Quart Jar (Glass w/Teflon Liner)	2	☒ 40 ml Vial with Teflon Liner	2
☐ 500 ml Plastic Cylinder	___	☐ Pint Jar (Glass w/Teflon Liner	___
☐ ½ Gallon (Plastic)	___	☐ Other ____	

PARAMETERS: ☐ See Attached Proposal/List

☐ NYSDEC Part 360 Routine	☐ NYSDEC Part 360 Baseline	☒ EPA 8021	☐ EPA 503.1
☐ 8270 (Base Neutrals)	☐ NYSDOH 310-13	☐ EPA 624	☐ EPA 601/602
		☒ EPA 8100	

NOTES: ____

Collected By Daniel Bishuk Jr. Date 5/14/98

Delivered By Daniel Bishuk Jr. Date 5/15/98 Time 8:50

Received By Christine Maguire Date 5/15/98 Time 0850

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REPORT OF ANALYSES

ALASKAN OIL, INC.
120 WILKINSON ST.
SYRACUSE, NY 13204-
Attn: MR. RICH NEUGEBAUER

PROJECT NAME: AOI/PEF, #326-Altmar
DATE: 06/09/98

SAMPLE NUMBER- 161087 SAMPLE ID- Trip Blank SAMPLE MATRIX- WA
DATE SAMPLED- 05/14/98 TIME SAMPLED- 0710
DATE RECEIVED- 05/15/98 SAMPLER- Daniel Bishuk Jr. RECEIVED BY- CAM
TIME RECEIVED- 0850 DELIVERED BY- Daniel Bishuk TYPE SAMPLE- Grab

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
EPA 8021 Scan	EPA 8021	05/28/98		BLD		
Benzene	EPA 8021	05/28/98		BLD	< 0.7	ug/L
Toluene	EPA 8021	05/28/98		BLD	< 1.0	ug/L
Ethylbenzene	EPA 8021	05/28/98		BLD	< 1.0	ug/L
m-Xylene & p-Xylene	EPA 8021	05/28/98		BLD	< 1.0	ug/L
o-Xylene	EPA 8021	05/28/98		BLD	< 1.0	ug/L
Isopropylbenzene	EPA 8021	05/28/98		BLD	< 1.0	ug/L
n-Propylbenzene	EPA 8021	05/28/98		BLD	< 1.0	ug/L
1,3,5-Trimethylbenzene	EPA 8021	05/28/98		BLD	< 1.0	ug/L
tert-Butylbenzene	EPA 8021	05/28/98		BLD	< 1.0	ug/L
1,2,4-Trimethylbenzene	EPA 8021	05/28/98		BLD	< 1.0	ug/L
sec-Butylbenzene	EPA 8021	05/28/98		BLD	< 1.0	ug/L
p-Isopropyltoluene	EPA 8021	05/28/98		BLD	< 1.0	ug/L
n-Butylbenzene	EPA 8021	05/28/98		BLD	< 1.0	ug/L
Naphthalene	EPA 8021	05/28/98		BLD	< 5.0	ug/L
Methyl-t-Butyl Ether	EPA 8021	05/28/98		BLD	< 5.0	ug/L

NYSDOH LAB ID NO. 11246

APPROVED BY:

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SAMPLE CHARACTERIZATION/CHAIN-OF-CUSTODY

CLIENT: Alaskan Oil, Inc. LOG NO. 16087

CONTACT: Jim Hines PE# ( )

SAMPLING INFORMATION:

SAMPLE ID: Trip Blank LOCATION: AOI #326/Altmar Rte 13 & Century St.

SAMPLE TYPE: ☐ Soil ☒ Water ☐ Oil ☐ Wipe ☐ Air ☐ _____

COLLECTION TECHNIQUE: ☐ Composite ☒ Grab ☐ Wipe ☐ Flow Composite ☐ _____

COMPOSITE: (Start) Date _____ Time _____ By _____

(Finish) Date _____ Time _____ By _____

GRAB: Date 5/14/98 Time 7:10 By DB

SAMPLE PRESERVATION:

Date 5/14/98 Time 1305 By DB

Preservative: ☐ H_2SO_4 ☐ HNO_3 ☐ NaOH ☒ HCl ☐ $Na_2S_2O_3$ ☐ Cooled to 4° C

☐ Other (Identify) _____

SAMPLE CONTAINERS:

Container	Qty		Qty
Quart Jar (Glass w/Teflon Liner)	___	☒ 40 ml Vial with Teflon Liner	1
☐ 500 ml Plastic Cylinder	___	☐ Quart Jar (Glass w/o Teflon Liner)	___
☐ ½ Gallon (Plastic)	___	☐ Pint Jar (Glass w/Teflon Liner)	___
Coliform Cup	___	☐ Pint Jar (Glass w/o Teflon Liner)	___
Other _____	___		

PARAMETERS: See Attached Proposal/List

USEPA Method 8021

~~USEPA Method 8100~~ DB

NOTES: _____

Collected By Daniel Bishek Jr. Date 5/14/98

Delivered By Daniel Bishek Jr. Date 5/15/98 Time 8:50

Received By Christine Miguel Date 5/15/98 Time 0850

Received By _____ Date _____ Time _____