

PHASE II DRILL

RECORD OF SUBSURFACE EXPLORATION

PHILIP ENVIRONMENTAL SERVICES INC.

4000 Monroe Road

Farmington, New Mexico 87401

(505) 326-2262 FAX (505) 326-2388

Borehole # BH- 1

Well #

Page 1 of 1



Project Name EPFS GW PITS

Project Number 17520 Phase 6001.77

Project Location CANYON LARGE UNIT 311-94198

Elevation

Borehole Location Ltr F-S3-T24R6

GWL Depth N/A

Logged By D Cesark

Drilled By M Donohue

Date/Time Started 2-18-97 / 0945

Date/Time Completed 1 / 1115

Well Logged By D Cesark

Personnel On-Site D. Charley

Contractors On-Site

Client Personnel On-Site

Drilling Method 4 1/4" ID HSA

Air Monitoring Method PID, CGI

Depth (Feet)	Sample Number	Sample Interval	Sample Type & Recovery (inches)	Sample Description Classification System: USCS	USCS Symbol	Depth Lithology Change (feet)	Air Monitoring Units: PPM			Drilling Conditions & Blow Counts
0				BACKFILL TO 5'					1/45	
5										
10	i	8'-10'	24"	SILTY-SAND, SAND-SILT MIXTURE - YELLOW-ORANGE, LOOSE, NO STAIN, NO C.O.O.R.	SM				0/2	1000
15				TD = 10'						
20										
25										
30										
35										
40										

Comments:

TD = 10' - DEC 7 COLLECTED FROM 8'-10' - SUBMITTED TO LAB FOR
BTEX + TPH ANALYSES. BORING GROUTED TO SURFACE. NO GW ENCOUNTERED

Geologist Signature



EL PASO FIELD SERVICES
FIELD SERVICES LABORATORY

ANALYTICAL REPORT
PIT CLOSURE PROJECT

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	DRC7	970120
MTR CODE SITE NAME:	94198	Canyon Largo Unit 311
SAMPLE DATE TIME (Hrs):	2/17/97	1000
PROJECT:	PHASE II Drilling 8-10'	
DATE OF TPH EXT. ANAL.:	2/24/97	2/24/97
DATE OF BTEX EXT. ANAL.:	2/26/97	2/26/97
TYPE DESCRIPTION:	VG	Light brown sand

Field Remarks: _____

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
BENZENE	<0.5	MG/KG				
TOLUENE	<0.5	MG/KG				
ETHYL BENZENE	<0.5	MG/KG				
TOTAL XYLENES	<1.5	MG/KG				
TOTAL BTEX	<3	MG/KG				
TPH (418.1)	17.9	MG/KG				
HEADSPACE PID	2	PPM				
PERCENT SOLIDS	93.4	%				

— TPH is by EPA Method 418.1 and BTEX is by EPA Method 8020 —

The Surrogate Recovery was at 97.5 % for this sample All QA/QC was acceptable.
Narrative: _____

DF = Dilution Factor Used

Approved By: _____

INGVZPIT.XLS

Date: _____

EL PASO FIELD SERVICES LABORATORY

EPA METHOD 8020 - BTEX

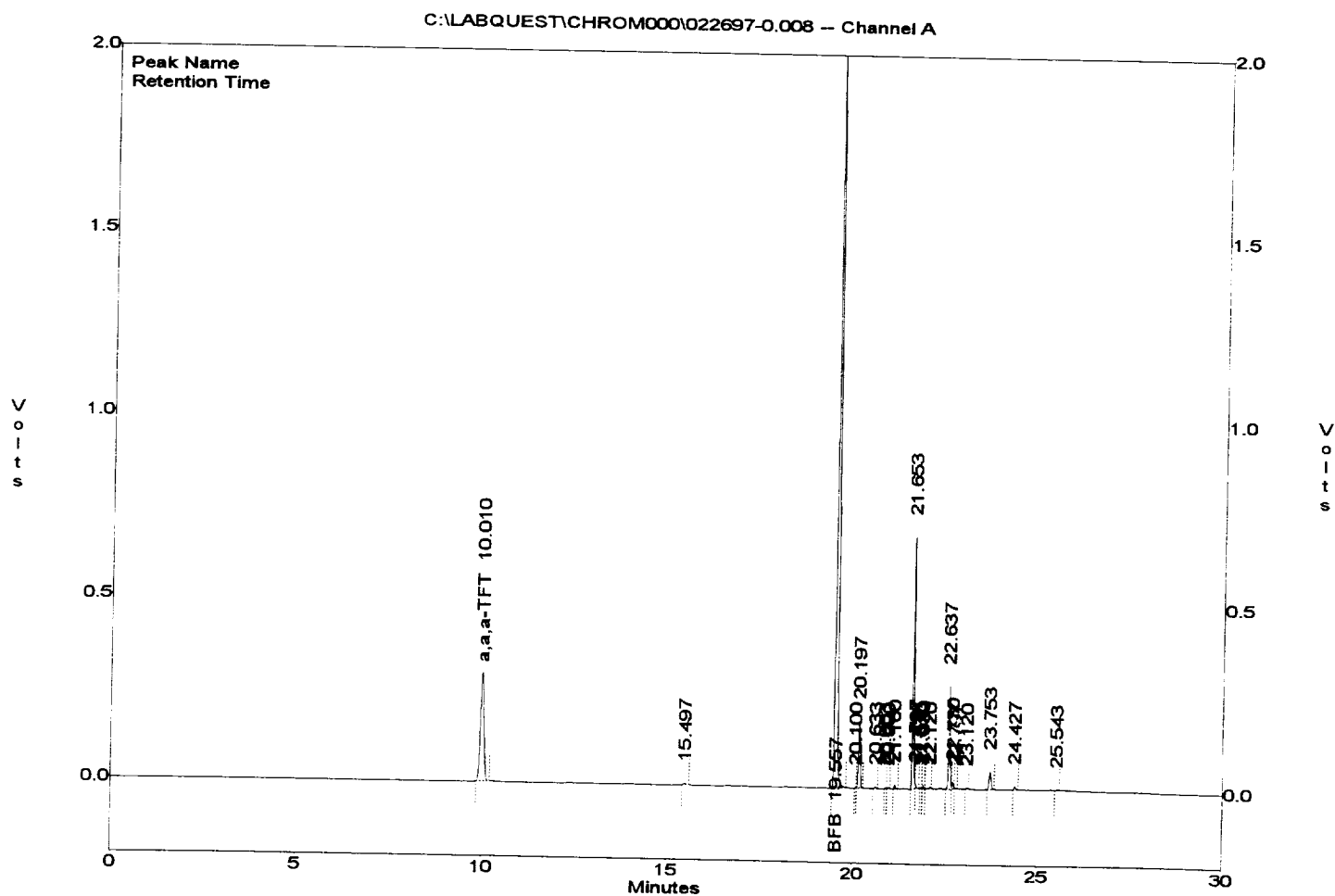
File : C:\LABQUEST\CHROM000\022697-0.008
 Method : C:\LABQUEST\METHODS\0-013197.MET
 Sample ID : 970120,5.11G,50U
 Acquired : Feb 26, 1997 15:38:00
 Printed : Feb 26, 1997 16:08:28
 User : MARLON

Channel A Results

COMPONENT	RET TIME	AREA	CONC (ug/L)
BENZENE	7.800	0	0.0000
a,a,a-TFT	10.010	1940509	88.7427
TOLUENE	12.470	0	0.0000
ETHYLBENZENE	16.833	0	0.0000
M,P-XYLENES	17.217	0	0.0000
O-XYLENE	18.250	0	0.0000
BFB	19.557	7990474	97.4524

Channel A Group Results

COMPONENT	RET TIME	AREA	CONC (ug/L)
TOTAL XYLENES		0	0.0000



BTEX SOIL SAMPLE WORKSHEET

File	:	970120	Date Printed	:	3/4/97
Soil Mass (g)	:	5.11	Multiplier (L/g)	:	0.00098
Extraction vol. (mL)	:	10	CAL FACTOR (Analytical):	:	200
Shot Volume (uL)	:	50	CAL FACTOR (Report):	:	0.19569

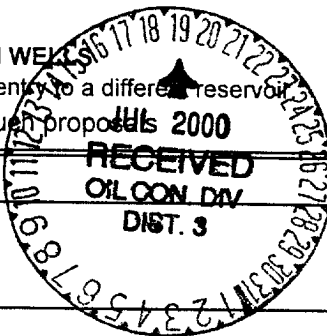
		DILUTION FACTOR:	1	Det. Limit
Benzene (ug/L)	:	0.00	Benzene (mg/Kg):	0.000 0.489
Toluene (ug/L)	:	0.00	Toluene (mg/Kg):	0.000 0.489
Ethylbenzene (ug/L)	:	0.00	Ethylbenzene (mg/Kg):	0.000 0.489
p & m-xylene (ug/L)	:	0.00	p & m-xylene (mg/Kg):	0.000 0.978
o-xylene (ug/L)	:	0.00	o-xylene (mg/Kg):	0.000 0.489
			Total xylenes (mg/Kg):	0.000 1.468
			Total BTEX (mg/Kg):	0.000

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT--" for such proposals.

SUBMIT IN TRIPLICATE

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

5. Lease Designation and Serial No.

SF-078874

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

Canyon Largo Unit

8. Well Name and No.

CLU No. 311

9. API Well No.

30-039-22887

10. Field and Pool, or Exploratory Area

Devils Fork Gallup

11. County or Parish, State

Rio Arriba County,
New Mexico1. Type of Well
Oil ☒ Well Gas ☐ Well Other ☐

2. Name of Operator

Merrion Oil & Gas Corporation (14634)

3. Address and Telephone No.

610 Reilly Avenue, Farmington, NM 87401-2634

(505) 327-9801

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

F 2154' fnl & 1850' fwl (se nw)
Section 3, T24N, R6W

12. CHECK APPROPRIATE BOX (s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☒ Notice of Intent☐ Subsequent Report☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment☐ Recompletion☐ Plugging Back☐ Casing Repair☐ Altering Casing☒ Other Return to Production☐ Change of Plans☐ New Construction☐ Non-Routine Fracturing☐ Water Shut-Off☐ Conversion to Injection☐ Dispose Water(Note: Report results of multiple completion on
Completion or Recompletion Report and Log form.)

13. Describe Proposed or completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Merrion Oil & Gas proposes to return the subject well to production by optimizing the plunger lift operation. Today's gas prices should allow us to spend the time and resources required to return the well to economic production.

THIS APPROVAL EXPIRES

DEC 31 2000

14. I hereby certify that the foregoing is true and correct

Signed

Connie S. Dinning

Title Engineer

Date 7/10/00

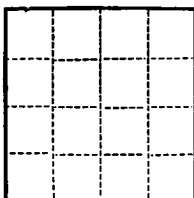
(This space for Federal or State office use)

Approved By

Title

Conditions of approval, if any:

ACCEPTED FOR RECORD



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Santa Fe
Lease No. 078874
Unit Canyon Largo U.

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	X
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

June 25, 1962

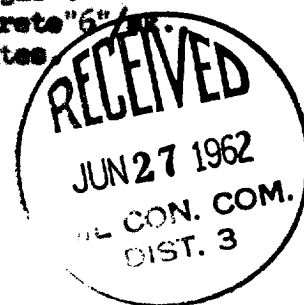
Well No. 117 is located 1650 ft. from N line and 1090 ft. from E line of sec. 3
NE Section 3 24-N 6-W N.M.P.M.
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Basin Dakota Rio Arriba New Mexico
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 6394 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Spud date 6-13-62.
On 6-13-62 T.D. 320'.
Ran 10 jts 9 5/8" 32.30# H-40 casing (305') set at 316'.
Cemented w/210 sacks regular, 1/4 cu. f.t. Strata-Crete "6".
2 1/2 HA-5. Circulated to surface. Held 600#/30 minutes.



I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company El Paso Natural Gas Company

Address Box 990

Farmington, New Mexico

By Original Signed D. W. Meehan

Title Petroleum Engineer