

3R - 190

**APPROVALS**

**YEAR(S):**

2003-1997



# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

**BILL RICHARDSON**

Governor

**Joanna Prukop**

Cabinet Secretary

**Lori Wrotenbery**

Director

**Oil Conservation Division**

April 3, 2003

Mr. Scott T. Pope  
El Paso Field Services  
614 Reilly Ave.  
Farmington, New Mexico 87401

**RE: 2003 SAN JUAN BASIN ANNUAL GROUNDWATER REPORT**

Dear Mr. Pope:

The New Mexico Oil Conservation Division (OCD) has reviewed El Paso Field Services (EPFS) February 28, 2003 "2002 PIT PROJECT ANNUAL GROUNDWATER REPORT". This document contains the results of EPFS's 2002 monitoring and remediation of contaminated ground water related to the closure of unlined oil and gas production pits at 30 sites in the San Juan Basin. The document also requests closure for one site based on the remediation and monitoring actions taken to date.

The OCD's review of the above referenced document is addressed below:

- A. Final pit closure for the site listed below is approved on the condition that the site monitor wells be plugged and abandoned by cutting the casing off below ground surface and filling the casing annulus from bottom to top with a cement grout containing 3-5 % bentonite. Please be aware that OCD approval does not relieve EPFS of responsibility if remaining contaminants pose a future threat to ground water, surface water, human health or the environment. In addition, OCD approval does not relieve EPFS of responsibility for compliance with any other federal, state, tribal or local laws and regulations.

1. Ramenta et al #1 (Dehy pit)

Unit J, Sec. 13, T27N, R09W

Mr. Scott T. Pope  
April 3, 2003  
Page 2

- B. A review of the annual ground water reports for the sites listed below shows that the extent of ground water contamination in excess of New Mexico Water Quality Control Commission (WQCC) standards at these sites has not been completely defined. The OCD requires that EPFS install additional ground water monitoring wells at these sites to determine the extent of ground water contamination pursuant to their previously approved ground water investigation plan.

1. Fields A#7A	Unit E, Sec. 34, T32N, R11W
2. <u>Hamner #9</u>	Unit A, Sec. 20, T29N, R09W
3. James F Bell #1E	Unit P, Sec. 10, T30N, R13W
4. Johnston Federal #4	Unit H, Sec. 33, T31N, R09W
5. Johnston Federal #6A	Unit F, Sec. 35, T31N, R09W
6. K-27 Line Drip	Unit E, Sec. 04, T25N, R06W
7. K-31 Line Drip	Unit N, Sec. 16, T25N, R06W
8. Lateral 0-21 Line Drip	Unit O, Sec. 12, T30N, R09W
9. Standard Oil Com #1	Unit N, Sec. 36, T29N, R09W
10. State Gas Com N#1	Unit H, Sec. 16, T31N, R12W

If you have any questions, please call me at (505) 476-3491.

Sincerely,



William C. Olson  
Hydrologist  
Environmental Bureau

xc: Denny Foust, OCD Aztec District Office  
Bill Liess, BLM Farmington District Office  
Mike Matush, NM State Land Office  
Bill Freeman, Navajo Nation EPA



STATE OF NEW MEXICO  
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

2040 S. PACHECO  
SANTA FE, NEW MEXICO 87505  
(505) 827-7131

July 28, 1999

**CERTIFIED MAIL**  
**RETURN RECEIPT NO. Z-274-520-686**

Mr. Scott T. Pope  
El Paso Field Services  
614 Reilly Ave.  
Farmington, New Mexico 87401

**RE: SAN JUAN BASIN ANNUAL GROUNDWATER REPORT**

Dear Mr. Pope:

The New Mexico Oil Conservation Division (OCD) has completed a review of El Paso Field Services (EPFS) March 31, 1999 "1998 GROUNDWATER ANNUAL REPORT". This document contains the results of EPFS's 1998 monitoring and remediation of contaminated ground water related to the closure of unlined oil and gas production pits at 49 sites in the San Juan Basin. The documents also requests closure for 18 of the sites based on the remediation and monitoring actions taken to date.

The OCD's review of the above referenced document is addressed below:

- A. The final pit closure, soil remediation and ground water activities conducted at the sites listed below are **approved**.

- |  |                             |
|--|-----------------------------|
| 1. 2C-22 #3 Line Drip (Drip pit)         | Unit G, Sec. 13, T24N, R06W |
| 2. Candado #23 MV/CH (Drip pit)          | Unit B, Sec. 09, T26N, R07W |
| 3. Canyon Largo Unit #304 (Drip pit)     | Unit C, Sec. 11, T24N, R06W |
| 4. De Na Haz Za #1 (Drip pit)            | Unit D, Sec. 18, T26N, R08W |
| 5. Florance #1 (Drip pit)                | Unit J, Sec. 08, T30N, R11W |
| 6. Gallegos Canyon Unit D#160 (Dehy pit) | Unit I, Sec. 27, T29N, R12W |
| 7. Harrington #1 (Drip pit)              | Unit M, Sec. 31, T27N, R07W |
| 8. Johnson #1E (Dehy pit)                | Unit P, Sec. 21, T31N, R13W |
| 9. Miles Federal #1E (Dehy pit)          | Unit N, Sec. 05, T26N, R07W |
| 10. Nickles #1 (Dehy pit)                | Unit K, Sec. 11, T31N, R13W |
| 11. Sanchez Gas Com B#1 (Dehy pit)       | Unit G, Sec. 28, T29N, R10W |
| 12. San Juan 28-6 #79 (Dehy pit)         | Unit M, Sec. 11, T27N, R06W |
| 13. Trujillo Gas Com A#1 (Drip pit)      | Unit C, Sec. 28, T29N, R10W |
| 14. Trunk 2B Drip X-1 (Drip pit)         | Unit J, Sec. 01, T27N, R11W |
| 15. Valdez Gas Unit A#1E (CH) (Drip pit) | Unit G, Sec. 24, T29N, R11W |

Please be advised that OCD approval does not relieve EPFS of liability if remaining contaminants are found to pose a future threat to surface water, ground water, human health or the environment. In addition, OCD approval does not relieve EPFS of responsibility for compliance with any other federal, state, local or tribal laws and regulations.

- B. The closure reports for the sites listed below show that ground waters downgradient from the pit source areas are contaminated in excess of New Mexico Water Quality Control Commission (WQCC) ground water standards and/or the downgradient extent of contamination has not been completely defined. Therefore, the OCD cannot issue final closure approval at this time and approval of closure actions at this site is **denied**. The OCD requires that EPFS install additional ground water monitoring wells to monitor and/or determine the extent of ground water contamination pursuant to their previously approved ground water investigation plan.

- |    |   |                             |
|----|---|-----------------------------|
| 1. | Anderson GC A#1 CH (Drip pit)             | Unit C, Sec. 28, T29N, R10W |
| 2. | Mesa CPD (Drip pit)                       | Unit E, Sec. 04, T29N, R14W |
| 3. | Ohio "C" Government #3 (Drip & dehy pits) | Unit P, Sec. 26, T28N, R11W |

- C. A review of the reports for the sites listed below shows that the extent of ground water contamination in excess of WQCC standards is not defined or the sites do not contain permanent downgradient ground water monitoring points. On July 8, 1998 the OCD required that EPFS install additional ground water monitoring wells at these sites to monitor and determine the extent of ground water contamination pursuant to their previously approved ground water investigation plan. To date this work has not been conducted. The OCD requires that EPFS install additional ground water monitoring wells at these sites, by December 31, 1999.

- |     |                        |                             |
|-----|------------------------|-----------------------------|
| 1.  | D Loop Line Drip       | Unit I, Sec. 33, T28N, R08W |
| 2.  | Hammond #41A           | Unit O, Sec. 25, T27N, R08W |
| 3.  | Hamner #9              | Unit A, Sec. 20, T29N, R09W |
| 4.  | Horton #1E             | Unit H, Sec. 28, T31N, R09W |
| 5.  | James F Bell #1E       | Unit P, Sec. 10, T30N, R13W |
| 6.  | Jennapah #1            | Unit H, Sec. 36, T28N, R09W |
| 7.  | K-27 Line Drip         | Unit E, Sec. 04, T25N, R06W |
| 8.  | K-31 Line Drip         | Unit N, Sec. 16, T25N, R06W |
| 9.  | Lat 3B-39 Line Drip    | Unit M, Sec. 10, T29N, R09W |
| 10. | Lat L-40 Line Drip     | Unit H, Sec. 13, T28N, R04W |
| 11. | Lateral 0-21 Line Drip | Unit O, Sec. 12, T30N, R09W |
| 12. | Lindrith B#24          | Unit N, Sec. 09, T24N, R03W |
| 13. | Miles Federal #1A (CH) | Unit F, Sec. 05, T26N, R07W |
| 14. | Ramenta Et Al #1       | Unit J, Sec. 13, T27N, R09W |
| 15. | Sheets #2              | Unit H, Sec. 28, T31N, R09W |
| 16. | State Gas Com N#1      | Unit H, Sec. 16, T31N, R12W |

- D. At the site listed below EPS proposes to take no further actions until the operator commences remediation associated with their production pit. Burlington Resources (BR), the operator of the production pit, recently investigated and remediated contaminated soils at their pit and installed a monitor well to determine ground water quality beneath the pit. The results of this work showed that at the base of BR's excavation (38 feet) that there was no detectable benzene, toluene, ethylbenzene and xylene (BTEX) or total petroleum hydrocarbons in the remaining soil. In addition, BR's monitor well installed at the pit showed that there was only 0.5 ppb of xylene was in ground water beneath the pit. Based upon these results and the results of EPFS's investigations, it appears that EPFS's pit is the source of ground water contamination at the site. Therefore, the OCD requires that EPFS install additional ground water monitoring wells to determine the extent of ground water contamination pursuant to their previously approved ground water investigation plan.

1. Johnston Federal #6A

Unit F, Sec. 35, T31N, R09W

- E. The report for the site Turner A#1 states that EPFS is working with the operator of the well site on the site remedial actions. EPFS lists the operator of the site as BR. BR has informed the OCD that BR has no operations in the vicinity of EPFS's dehy unit for this site and that the area where EPFS found impacted ground water is actually on an Amoco location where the gas from the Turner A#1 is measured. Please clarify who is the well operator at the location of EPFS's Turner A#1 dehy unit.

If you have any questions, please call me at (505) 827-7154.

Sincerely,



William C. Olson  
Hydrologist  
Environmental Bureau

xc: Denny Foust, OCD Aztec District Office  
Bill Liess, BLM Farmington District Office  
Mike Matush, New Mexico State Land Office  
Charmaine Hosteen, Navajo EPA



STATE OF NEW MEXICO  
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

2040 S. PACHECO  
SANTA FE, NEW MEXICO 87505  
(505) 827-7131

August 6, 1997

**CERTIFIED MAIL**  
**RETURN RECEIPT NO. P-410-431-203**

Mr. Ricky D. Cosby  
El Paso Field Services  
P.O. Box 4990  
Farmington, New Mexico 87499

**RE: SAN JUAN BASIN GROUND WATER REPORTS**

Dear Mr. Cosby:

The New Mexico Oil Conservation Division (OCD) has reviewed El Paso Field Service's (EPFS) June 2, 1997 "SEMI-ANNUAL EL PASO FIELD SERVICES PIT PROJECT GROUND WATER REPORT". This document contains EPFS's a listing of San Juan Basin pit closure sites at which EPFS has encountered ground water and a proposal to modify the reporting schedule for ground water cases from semi-annual to annual.

The above referenced proposal is approved with the following conditions:

1. EPFS will submit the annual reports on investigation/remedial activities to the OCD by December 1 of each respective year. The reports will present the information on each site as a separate case. Each case will contain:
  - a. A description of all investigation remediation activities which occurred during the past year including conclusions and recommendations.
  - b. Summary tables of all past and present laboratory analytic results of ground water quality monitoring including copies of the past years laboratory data sheets and associated quality assurance/quality control data.

Mr. Ricky Cosby  
August 6, 1997  
Page 2

- c. A site map and a quarterly water table elevation map using the water table elevation of the ground water in all monitor wells.
- d. A geologic log and completion diagram for each monitor well.
- e. The disposition of all wastes generated.
- f. Isoconcentration maps for contaminants of concern at the site (ie. benzene, BTEX, chloride, TDS, etc.).

Please be advised that OCD approval does not relieve EPFS of liability if contamination exists which is beyond the scope of the work plan; if the activities fail to adequately determine the extent of contamination; or if the activities fail to adequately remediate or monitor contamination related to EPFS's activities. In addition, OCD approval does not relieve EPFS of responsibility for compliance with any other federal, state or local laws and/or regulations.

If you have any questions, please call me at (505) 827-7154.

Sincerely,



William C. Olson  
Hydrogeologist  
Environmental Bureau

xc: Denny Foust, OCD Aztec District Office  
Bill Liess, BLM Farmington District



3R - 190

**GENERAL  
CORRESPONDENCE**

**YEAR(S):**

2000 - 1997



FEB 22 2000

NEW MEXICO OIL CONSERVATION DIVISION

**Certified Mail: #Z 213 707 662**

February 17, 2000

Mr. William C. Olson  
New Mexico Oil Conservation Division  
2040 S. Pacheco  
Santa Fe, NM 87504

RE: Corrected Request for Extension for 2000 Pit Project Annual Groundwater Report

Dear Mr. Olson:

Please except this request for extension with the dates corrected to reflect the current year.

The pit project annual groundwater report is due to you on March 1, 2000. Pursuant to our February 8, 2000 telephone conversation, El Paso Field Services (EPFS) hereby requests a one-month extension to the submittal date. EPFS will submit the pit project annual report to your office by April 3, 2000.

If you have any questions or require any additional information, please contact me at (505) 599-2124.

Sincerely,

A handwritten signature in dark ink, appearing to read 'Scott T. Pope'.

Scott T. Pope P.G.  
Environmental Scientist

xc: Mr. Denny Foust, NMOCD - Aztec

FEB 10 2000

**Certified Mail: #Z 387 666 326**

February 8, 1999

Mr. William C. Olson  
New Mexico Oil Conservation Division  
2040 S. Pacheco  
Santa Fe, NM 87504

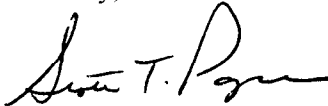
RE: 2000 Pit Project Annual Groundwater Report

Dear Mr. Olson:

The pit project annual groundwater report is due to you on March 1, 1999. Pursuant to our February 8, 1999 telephone conversation, El Paso Field Services (EPFS) hereby requests a one-month extension to the submittal date. EPFS will submit the pit project annual report to your office by April 3, 1999.

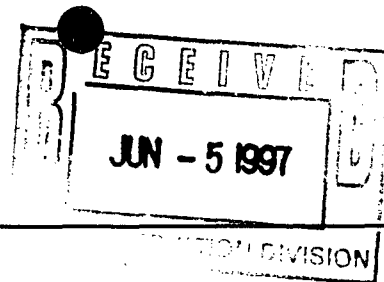
If you have any questions or require any additional information, please contact me at (505) 599-2124.

Sincerely,



Scott T. Pope P.G.  
Environmental Scientist

xc: Mr. Denny Foust, NMOCD - Aztec



Bill Olson  
New Mexico Oil Conservation Commission  
2040 South Pacheco Street  
Santa Fe, New Mexico 87505

Date: June 2, 1997

Subject: Semi-Annual El Paso Field Services Pit Project Groundwater Report

Mr. Olson,

El Paso Field Services (EPFS) has encountered groundwater at various locations while investigating and or remediating exempt hydrocarbon unlined pits. The enclosed list includes all locations which are in this category. Please find enclosed, the locations and status of each individual pit.

These pits are being remediated according to the "EPFS Remediation Plan for Groundwater Encountered During Pit Closure Activities" dated November 29, 1995.

EPFS requests that future reports for this project be submitted on a yearly basis to begin December 1, 1997 which will include soil boring logs, monitoring well completion diagrams, analytical data, groundwater elevation data, any risk analysis and type of remediation method.

For questions regarding this report please contact Ricky Cosby at (505)599-2158.



Ricky D. Cosby  
Compliance Specialist

cc: Denny Foust - Aztec District

El Paso Field Services  
Pit Project Ground Water Report

Location/Line Name	LTR	Sec	TN	RG	Monitor Status	Well Status	Depth to GW	Product Limit
MCGRATH #1	F	07	30	11	+1	GW encountered during drilling activities, MW results below standards, Develop Closure Plan	17'	No
Mae Gail Com #1	E	24	29	11		PZ1 in center of pit below standards. All other samples below standards. Develop Closure Plan	0.5'-8'	No
NM COM G1	P	36	30	10		MW1 was removed during site re-excavation, PZ1 installed with samples below standards. Develop Closure Plan.	17'-18'	No
MARY ACKROYD #1	J	18	30	11		Geoprobe samples all below standards. Develop Closure Plan.	3'-8'	No
JACQUEZ #3	E	25	30	09	-1	MW1 removed during re-excavation. 3 piezos and 1 probehole around pit all below standards. Operator has placed a production tank over the pit location. Develop Closure Plan.	13'-15'	No
SALAZAR G 34-1	K	34	25	06	+1	MW1 results all below standards. Develop Closure Plan.	35'	No
ANDERSON GAS COM A#1 PC	C	28	29	10		PH4 in center of pit is below standards. All of PH's around pit below standards. Develop Closure Plan.	5'-9'	No
GALLEGOS CANYON UT 145 E	D	26	29	12		PZ1 in center of pit below standards.	6'-9'	No
JOHNSTON FEDERAL #3A	I	12	30	09	+1	Develop Closure Plan. 4 clean quarters.	67.5'	No
FLORANCE #1	J	08	30	11	+1	MW1 installed 05/07/97. Develop and sample MW1.	14'	No
DE-NA-HAZ-ZA #1	D	18	26	08	+1	MW1 installed 05/06/97. Develop and sample MW1.	14'	No
Ramenta Et A1 #1	J	13	27	09	+1	MW1 installed 05/06/97. Develop and sample MW1.	5'-9'	No
HAMMOND 41 A	O	25	27	08	+1	MW1 installed 05/05/97. Develop and sample MW1.	15'-24'	No
VALDEZ GAS UNIT A #1E CH	G	24	29	11	-1, +1	MW1 installed 05/07/97. Develop and sample MW1.	11'-12'	No

El Paso Field Services  
Pit Project Ground Water Report

Location/Line Name	LTR	Sec	TN	RG	Monitor	Well Status	Depth to GW	Product Level
GALLEGOS CANYON COM A142E	G	25	29	12	+1	MW1 Developed and sampled 03/10/97. Evaluate Data.	13'	No
GALLEGOS CANYON UT D#160	I	27	29	12	+1	MW1 Developed and sampled 03/10/97. Evaluate Data.	19.1'	No
HARRINGTON #1	M	31	27	07	+1	MW1 Developed and sampled 04/02/97. Evaluate Data.	13'	No
Turner A1 "PM" (Pit #2)	G	34	31	11	+1	MW1 Developed and sampled 03/12/97. Evaluate Data.	2.3'-2.5'	No
TURNER #1A (Pit #1)	K	34	31	11	+1	Same as Above	5'	No
SAN JUAN 28-6 UNIT #79 MV	M	11	27	06	+1	MW1 Developed and sampled 04/14/97. Evaluate Data.	30'	No
KNIGHT #1	A	05	30	13	+4	Installed Oxegenata Socks 11/25/96. Geoprobe 02/25/97. Evaluate Data.	22'-25'	No
Ohio C. Govt. #3	P	28	28	11		Install MW1 and sample quarterly.	6'-16'	No
NICKLES #1	K	11	31	13	+1	MW1 Developed and sampled 03/28/97. Evaluate Data.	12'-15'	No
BUD-DOS-PAH #1	M	19	26	08		Soil Boring 02/19/97. Operator has placed a compressor over excavated pit area. Evaluate Data.	13'	No
SANCHEZ GAS COM B#1	G	28	29	10	+1	MW1 Developed and sampled 03/11/97. Evaluate Data.	6'-9'	No
GE-ELE-GU-LITH-E #2	L	07	26	08		Soil Boring 02/20/97. Operator has placed a compressor over excavated pit area. Evaluate Data.	13'	No
JOHN CHARLES #8	B	13	27	09	+1	MW1 Developed and sampled 03/13/97. Evaluate Data.	19'	No
CANDADO 23 MV	B	09	26	07	+1	MW1 Developed and sampled 04/16/97. Evaluate Data.	6'-9'	No

El Paso Field Services  
Pit Project Ground Water Report

Location/Line Name	LTR	Sec	TN	RQ	Monitor Status	Well Status	Depth to GW	Product Level
GALLEGOS CANYON UNIT 188E	B	30	29	12	+1	MW1 Developed and sampled 04/03/97. Evaluate Data.	3'-5'	No
JOHNSON #1E	P	21	31	13	+1	MW1 Developed and sampled 03/28/97. Evaluate Data.	3'-9'	No
MILES FEDERAL #1E	N	05	26	07	+1	MW1 Developed and sampled 04/02/97. Evaluate Data.	13.5'-30'	No
TRUJILLO GAS COM A#1	C	28	29	10	+1	MW1 Developed and sampled 04/03/97. Evaluate Data.	3'-9'	No
ANDERSON GAS COM A#1 CH	C	28	29	10	+1	MW1 Developed and sampled 03/11/97. Evaluate Data.	5'-9'	No
TRUNK D LINE DRIP (LOOPD8)	F	20	28	08	+1	MW1 Developed and sampled 03/31/97. Evaluate Data.	10.8'-24'	No
K-31 LINE DRIP	N	16	25	06	+1	MW1 Developed and sampled 04/16/97. Evaluate Data.	18'-24'	No
K-17 LINE DRIP	C	26	27	08	+1	MW1 Developed and sampled 03/31/97. Evaluate Data.	17.8'-27'	No
TRUNK 2B DRIP X-1	J	01	27	11	+1	MW1 Developed and sampled 03/11/97. Evaluate Data.	8'-10'	No
Trujillo Gas Com #1 PC	M	21	29	10		Install MW1	4'	No
OHIO C GOVERNMENT #3 TD	P	26	28	11		Install MW1	6'-16'	No
LINDRITH B #24	N	09	24	03		Install MW1	21'-27'	No
K - 51 Line Drip	A	34	26	06		Install MW1	10'	No
Mesa CPD	C	04	29	14	+1	Install well points around pit and sample. MW1 needs 3 more clean quarters.	3'-6.5'	No
STANDARD OIL COM #1	N	36	29	09	+1	Install well points on four sides of pit to establish gradient.	20.89'	No
W.D. HEATH B#5	M	31	30	09	+1	Install well points on four sides of pit to establish gradient.	30'-36'	No
CANYON LARGO UNIT 304	C	11	24	06	+1	Install downgradient well points and sample.	17.5'-18'	No

El Paso Field Services  
Pit Project Ground Water Report

Location/Line Name	LTR	Sec	TN	RQ	Monitor Status	Well Status	Depth to GW	Product Level
K-27 LINE DRIP	E	04	25	06	+1	Establish gradient with well points.	40'	No
LAT 0-21 LINE DRIP	O	12	30	09	+1	Establish gradient with well points.	33'-36'	No
Trunk D loop Line Drip	I	33	28	08	+1	Establish gradient with well points.	33'-36'	No
Bisti Flare Pit	C	21	12	26		Establish GW gradient	15'	No
LAT L-40 LINE DRIP	H	13	28	04	+1	Install downgradient well points and sample.	40'	No
HAMNER #9	A	20	29	09	+1	Establish gradient with well points.	29'-31'	No
GARTNER LS #7	K	26	30	08		NMOCD Closure Approved	NA	No
HAMMOND FED #1	L	25	27	08	+1	NMOCD Closure Approved	NA	No
BURROUGHS COM #1	H	36	27	08		NMOCD Closure Approved	NA	No
CLEVELAND #6	B	21	27	09	+1	NMOCD Closure Approved	NA	No
CHARLEY PAH 4	K	12	27	09		NMOCD Closure Approved	NA	No
GRACE PEARCE #1	O	22	29	11		NMOCD Closure Approved	NA	No
HAMMOND #7	G	26	27	08		NMOCD Closure Approved	NA	No
ONA MCGEE #1	P	04	30	11		NMOCD Closure Approved	NA	No
CUTLER #2	A	14	24	06		NMOCD Closure Approved	NA	No
LINDRITH UNIT #23	D	09	24	03		NMOCD Closure Approved	NA	No
GREEN COM #1	E	36	29	09		NMOCD Closure Approved	NA	No
HAMMOND FED #5	D	25	27	08	+1	NMOCD Closure Approved	NA	No
FLORA VISTA #1	F	22	30	12		NMOCD Closure Approved	NA	No
MARSHALL B #1J	O	14	27	09		NMOCD Closure Approved	NA	No
HAMMOND #92	O	25	27	08		NMOCD Closure Approved	NA	No
PRICE #3	A	15	28	08		NMOCD Closure Approved	NA	No



El Paso Field Services  
Pit Project Ground Water Report

Location/Line Name	LTR	Sec	TN	RG	Monitor Status	Well Status	Depth to GW	Product Level
KRAUSE WN FEDERAL #1E	C	32	28	11		NMOCD Closure Approved	NA	No
CANYON LARGO UNIT #298	A	03	24	08		NMOCD Closure Approved	NA	No
ARGO #1E	N	18	27	10		NMOCD Closure Approved	NA	No
CANYON LARGO UNIT #302	J	03	24	06		NMOCD Closure Approved	NA	No
FEDERAL 6 #32 CH	G	06	26	07		NMOCD Closure Approved	NA	No
SANCHEZ GAS COM C#1	A	28	29	10		NMOCD Closure Approved	NA	No
VALDEZ #2	G	24	29	11	-1	NMOCD Closure Approved	NA	No
FEDERAL R #2	P	15	27	08	+1	NMOCD Closure Approved	NA	No
CANYON LARGO UNIT #336	C	24	25	08		NMOCD Closure Approved	NA	No
CANDELARIA GAS COM C #1	C	27	29	10		NMOCD Closure Approved	NA	No
HOWELL #3	C	03	27	08		NMOCD Closure Approved	NA	No
LAT 2C-55 LINE DRIP	F	17	25	07	+1	NMOCD Closure Approved	NA	No
HORTON 1-E	H	28	31	09	+1	MW1 above B standards. Inject nutrient slurry in corners of pit.	5.3'	No
LAT 3B-39	M	10	29	09	+1	MW1 above B standards. Inject nutrient slurry in corners of pit.	31'-36'	No
JOHNSTON FEDERAL #4	H	33	31	09	+3	Determine Remedial Design Options.	48.94'--50.38'	Yes
STATE GAS COM N #1	H	16	31	12	+4	Determine Remedial Design Options.	75.66'--76.90'	Yes
COLDIRON COM A#1	K	02	30	11	+1	Determine Remedial Design Options.	35.4'	Yes
JOHNSTON FEDERAL #6A	F	35	31	09	+4	Determine Remedial Design Options.	40'-44.6'	Yes
JAMES F. BELL #1E	P	10	30	13	+4	Determine Remedial Design Options.	23.5'-24.5'	Yes
CANADA MESA #2	I	24	24	06	+1	Determine Remedial Design Options.	30'	Yes

El Paso Field Services  
Pit Project Ground Water Report

Location/Line Name	LTR	Sec	TN	RO	Monitor Status	Well Status	Depth to GW	Product Level
FIELDS A #7A	E	34	32	11	+4			
FOGELSON 4-1 COM #14	P	04	29	11	+1		21.8'-28.8'	Yes
SANDOVAL GAS COM A 1A	C	35	30	09	+1		31'-36'	No
MILES FEDERAL 1A (CH)	F	05	26	07	+1		35'	No
SHEETS #2	H	28	31	09	+4		29'	Yes
JENNAPAH #1	H	36	28	09	+1		48.3'--50.31'	No
FLORANCE C LS 7	F	30	28	08	+1		20'	No
GRAHAM #53	L	10	27	08	+1		40'	No
MILES FEDERAL 1 A MV	F	05	26	07	+1		28.33'	No
LAT. H-37 DRIP Y-3	F	01	31	13	+4		27.8'	No
2C-22 #1 LINE DRIP	N	35	24	06	+1		24.5'-25'	No
2C-22 #3 LINE DRIP	G	13	24	06	+1		28.8'	No
2C - 45 Line Drip	P	13	25	06	+1		14'-24'	No
USSELMAN GAS COM #1	B	04	31	10	+1		42.2'	No
							10'	No
<b>Note:</b>								
MW = Monitor Well								
PZ = Piezometer								
BH = Bore Hole								