# 3R - 170

# REPORTS

# DATE:

#### Certified Mail: #7001 1940 0002 1371 7676

February 28, 2003

#### RECEIVED

MAR 0 5 2003

ENVIRONMENTAL BUREAU OIL CONSERVATION DIVISION

Mr. William C. Olson New Mexico Oil Conservation Division 1220 St. Francis Dr. Santa Fe, NM 87504

#### **RE: 2002 Pit Project Annual Groundwater Report**

Dear Mr. Olson:

In accordance with reporting requirements, El Paso Field Services (EPFS) has enclosed annual reports for the 30 remaining groundwater impacted sites that were identified during our pit closure project of 1994 / 1995.

EPFS has organized the 30 Annual Reports (Volumes 1, 2 and 3) by land type. Volume 1 contains Annual Reports for sites found on Federal land. Volume 2 contains Non Federal sites and Volume 3 contains sites on Navajo land. Of the 30 reports submitted, EPFS is requesting closure of three sites located on Navajo lands. Of the three Navajo sites submitted for closure OCD has closed the Charley Pah #4 and the John Charles #8. The Rementa et al #1 has not been closed by either agency and EPFS reiterates request for closure of this site. EPFS understands closure of groundwater sites on Navajo land falls under jurisdiction of the Navajo Nation Environmental Protection Agency and original documents have been submitted to them for review. Other Navajo sites are included in the report for your information.

Three additional sites were submitted for closure in 2002. EPFS recently has received closure on the W.D. Heath B-5. Closure approval is pending on the D Loop Line Drip and Hammond # 41A. All of these sites are included in the 2002 Annual Report.

If you have any questions concerning the enclosed reports, please call me at (505) 599-2124.

Sincerely,

Scott T. Pope P.G. Senior Environmental Scientist

xc: Mr. Denny Foust, NMOCD, Aztec - w / enclosures; Certified Mail # 7001 1940 0002 1371 7669
 Mr. Bill Liesse, BLM - w / enclosures (federal sites only), Certified Mail # 7001 1940 0002 1371 7652



RECEIVED

MAR 0 5 2003

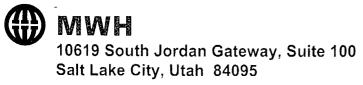
ENVIRONMENTAL BUREAU OIL CONSERVATION DIVISION

#### El Paso Field Services

San Juan Basin Pit Program Groundwater Sites Project

2002 Annual Report Federal Sites (Volume 1)

March 2003



#### EL PASO FIELD SERVICES ANNUAL GROUNDWATER REPORT

#### FEDERAL SITES VOLUME I

#### **TABLE OF CONTENTS**

#### Site Map

METER or LINE ID	SITE NAME	TOWNSHIP	RANGE	SECTION	UNIT
89961	Eields A#7A	32N	11W	34	Е
89232	Johnston Fed #6A	31N	09W	35	F
94715	James F. Bell #1E	30N	13W	10	Р
89620	Sandoval GC A #1A	30N	09W	35	С
87493	W D Heath B-5	30N	09W	31	Μ
LD151	Lat 0-21 Line Drip	30N	09W	12	0
73220	Fogelson 4-1 Com. #14	29N	11W	4	Ρ
97213	Hamner #9	29N	09W	20	Α
72890	Ohio C Government #3	28N	11W	26	Р
LD169	D Loop Line Drip	28N	08W	33	I
LD174	LAT LD 40	28N	04W	13	н
89894	Hammond #41A	27N	08W	25	0
94810	Miles Fed 1A	26N	07W	5	F
LD072	K27 LD072	25N	06W	4	Е
87640	Canada Mesa #2	24N	06W	24	I



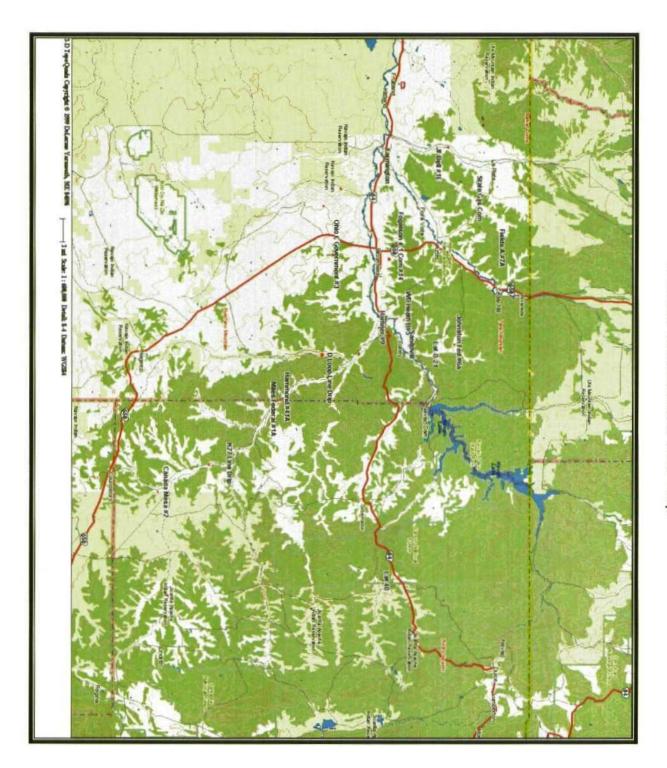


#### ACRONYMS

1111

ļ

В	Benzene
E EPFS	Ethylbenzene El Paso Field Services
ft	foot/feet
GWEL	groundwater elevation
ID	identifier
MW	Monitoring Well
PSH	Phase Separated Hydrocarbons
NMWQCC	New Mexico Water Quality Control Commission
T TOC	Toluene Top Of Casing
TOC	Top Of Casing not establihed
TOC NE NS ORC	Top Of Casing not establihed not sampled oxygen release compound
TOC NE NS ORC OCD	Top Of Casing not establihed not sampled oxygen release compound Oil Conservation Division



Federal Groundwater Site Map

### **•** EPFS GROUNDWATER SITES **•** 2002 ANNUAL GROUNDWATER REPORT

#### Fields A#7A Meter Code: 89961

#### SITE DETAILS

LEGAL DESCRIPTION: Tw	<b>n:</b> 32N <b>Rng:</b> 11W	Sec: 34 Unit: E
NMOCD Haz Ranking: 40	Land Type: Federal Opera	tor: Amoco Production Company
PREVIOUS ACTIVITIES		
Site Assessment: 8/94	Excavation: 9/94 (70cy)	Soil Boring: 7/95
Monitor Well: 7/95	Geoprobe: NA	Additional MWs: 12/95
Downgradient MWs: 12/95	Replace MW: NA	Quarterly Initiated: NA
<b>ORC Nutrient Injection:</b> NA	<b>Re-Excavation:</b> NA	<b>PSH Removal Initiated:</b> 8/97
Annual Initiated: 4/97	Quarterly Resumed: NA	

#### SUMMARY OF 2002 ACTIVITIES

**MW-1:** Quarterly free-product recovery and water level monitoring was performed during 2002.

#### **MW-2:**

- Quarterly water level monitoring was performed during 2002.
- An annual groundwater sample was scheduled to be collected in April 2002, however there was insufficient water in the well to collect a sample.

#### **MW-3:**

- Quarterly water level monitoring was performed during 2002.
- An annual groundwater sample was scheduled to be collected in April 2002, however there was insufficient water in the well to collect a sample.
- **MW-4:** Quarterly free-product recovery and water level monitoring was performed during 2002.

Site-Wide Activities: No other activities were performed at this site during 2002.

#### SUMMARY TABLES AND GRAPHS

- Historical analytical data and groundwater elevation data are presented graphically in Figures 5 through 8.
- Free-product recovery data is summarized in Table 1 and presented graphically in Figures 9 and 10.
- Field documentation is presented in Attachment 1.

#### SITE MAP

Site maps are attached as Figures 1 through 4.

### EPFS GROUNDWATER SITES

Fields A#7A Meter Code: 89961

#### **GEOLOGIC LOGS AND WELL COMPLETION DIAGRAMS**

No subsurface activities were performed at this site during 2002.

#### **DISPOSITION OF GENERATED WASTES**

All phase-separated hydrocarbons were disposed of at the EPFS Kutz Separator located in Bloomfield, New Mexico.

#### **ISOCONCENTRATION MAPS**

No isoconcentration maps were prepared for this site, however, the attached site maps present the potentiometric surface data collected during 2002.

#### **CONCLUSIONS**

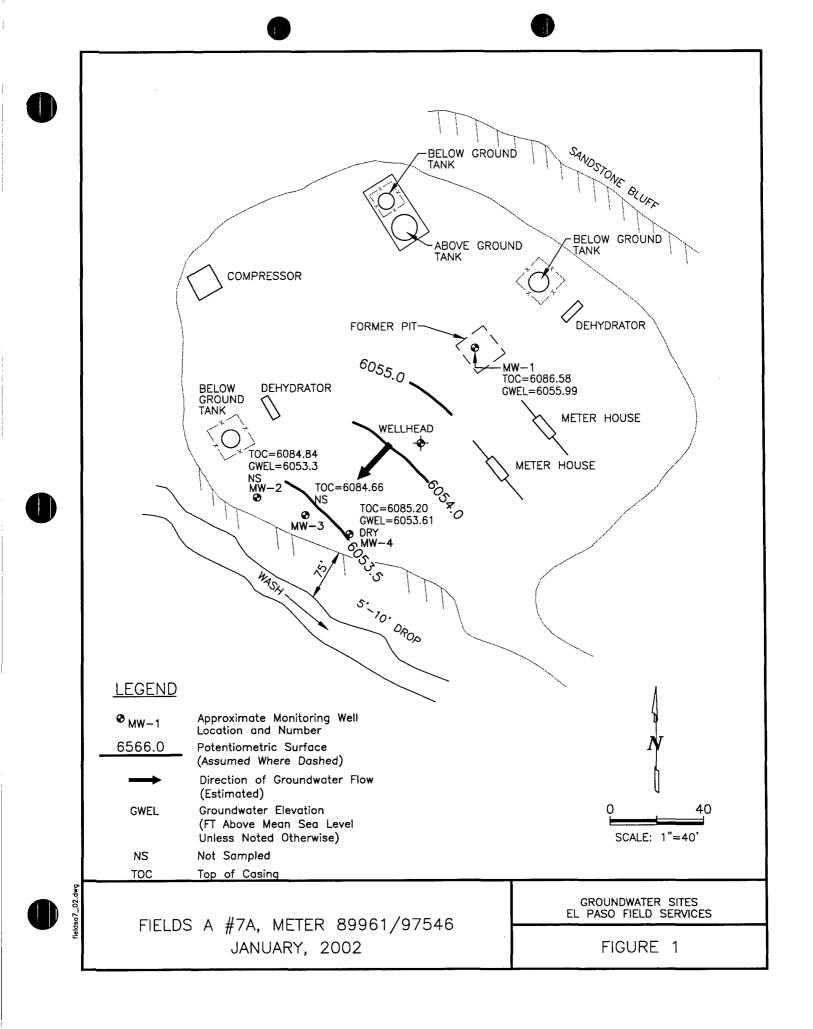
- The groundwater flow direction at this site trends to the west.
- Free-product recovery efforts at MW-1 resulted in removal of approximately 0.04 gallons of free-phase hydrocarbons bringing the cumulative total recovered to date to 12.34 gallons. Free-product in MW-1 was recoverable from January through March 2002, and was not detected in this well through the end of December 2002.
- Free-product recovery efforts at MW-4 resulted in removal of approximately 0.46 gallons of free-phase hydrocarbons bringing the cumulative total recovered to date to 1.36 gallons. Free-product in MW-4 was only recoverable from January to February 2002, and was not detected in this well through the end of December 2002.
- Annual groundwater samples were scheduled to be collected at MW-2 and MW-3 during April 2002. Both wells were unable to be sampled due to inadequate water, and have been essentially dry since May 2002.

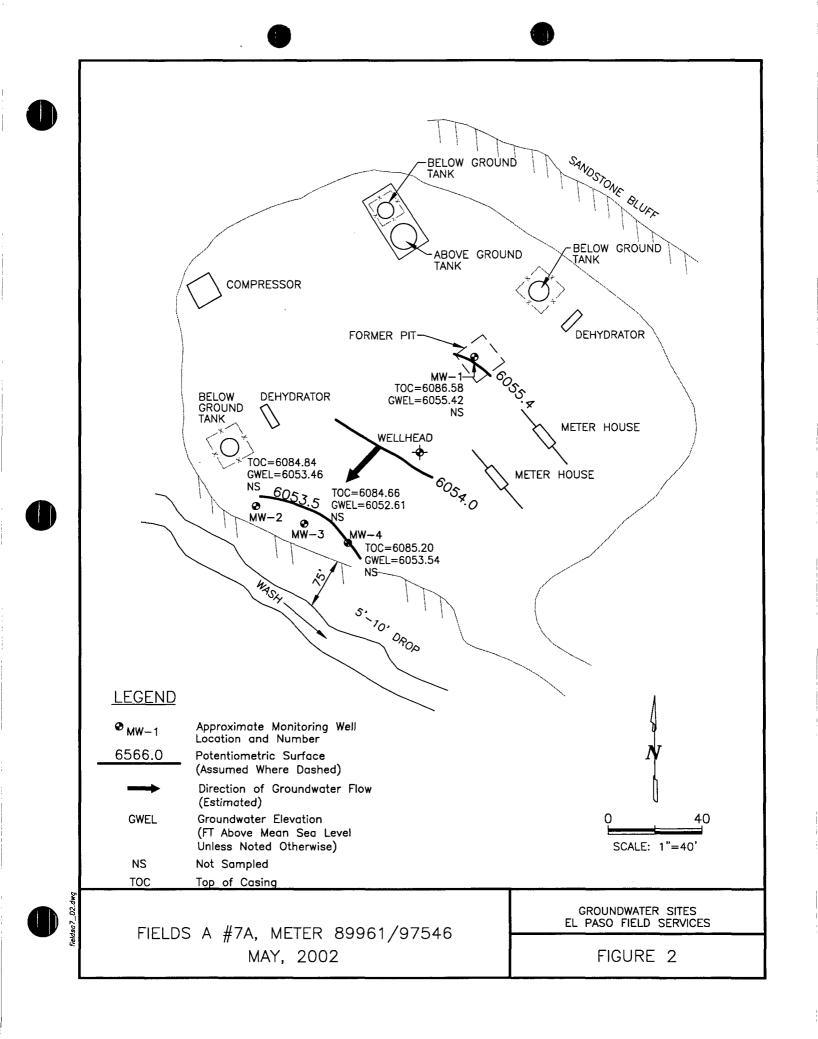
### **EPFS GROUNDWATER SITES**

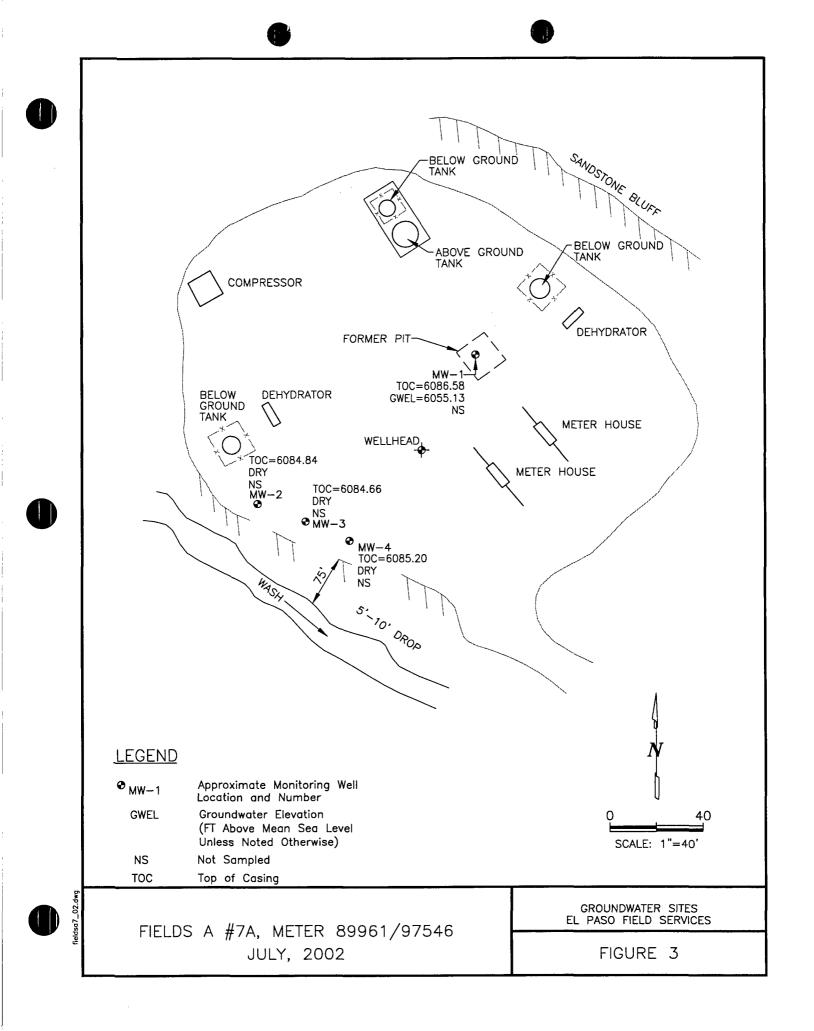
#### Fields A#7A Meter Code: 89961

#### **RECOMMENDATIONS**

- EPFS recommends that the monitoring wells at this site be redeveloped in an attempt to increase both free-product and groundwater sample recovery.
- Assuming that the monitoring wells at this site respond to redevelopment, EPFS will continue to collect quarterly groundwater measurements and perform free-product recovery activities as necessary at MW-1 and MW-4.
- Assuming that the monitoring wells respond to redevelopment, EPFS will continue to collect quarterly groundwater level measurements and annual groundwater samples at MW-2 and MW-3.
- If free-product continues to be absent from MW-1 and MW-4, these wells will be sampled annually until the BTEX concentrations approach cleanup standards. These wells will then be scheduled for quarterly sampling until cleanup criteria have been achieved.



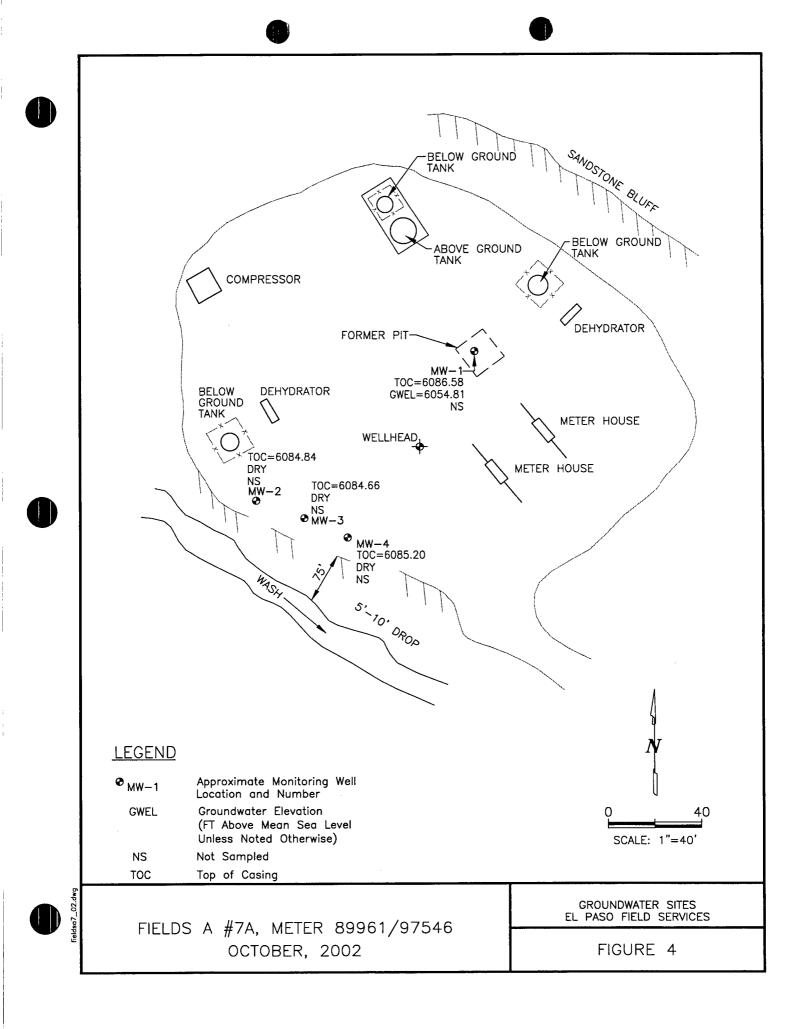


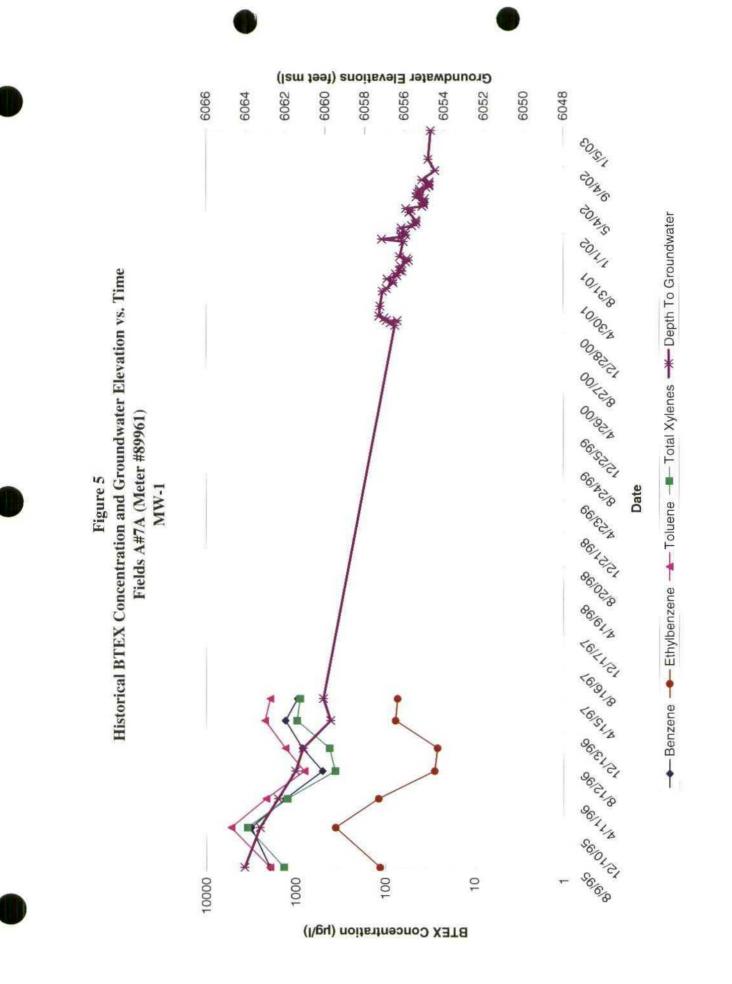


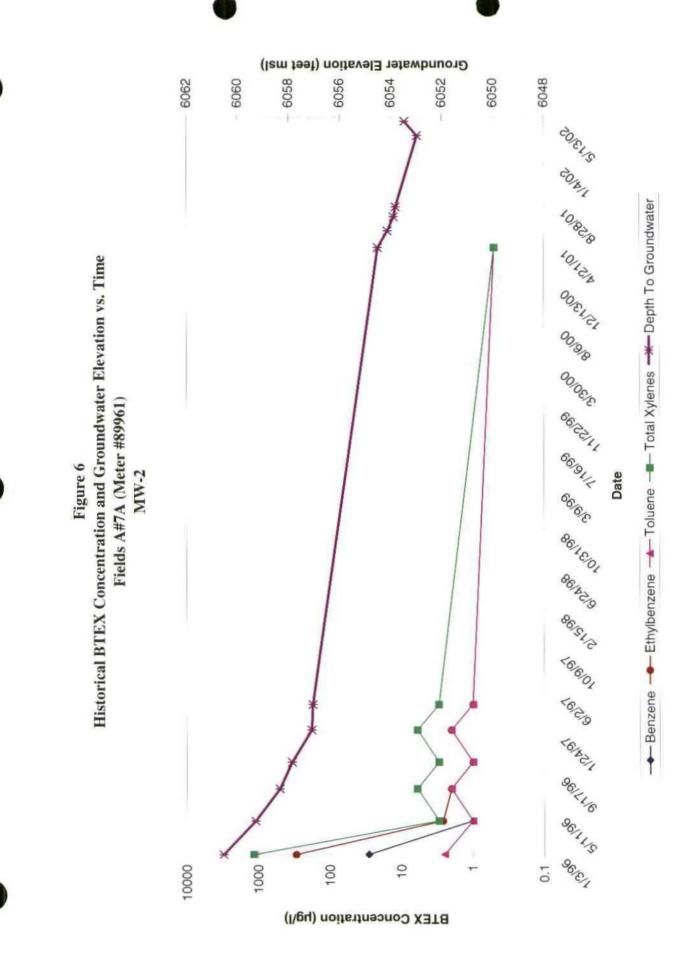
14

فتنبذ واغتر

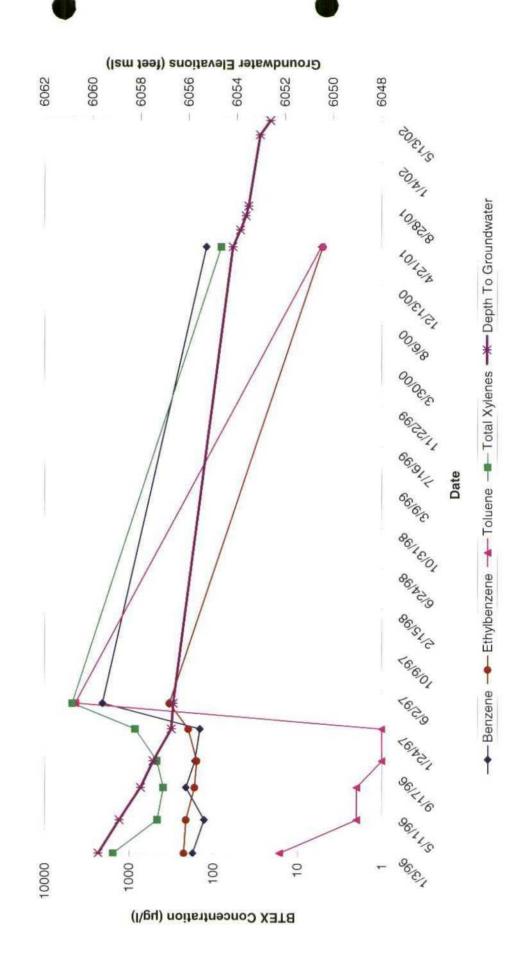
- a 1-1







Historical BTEX Concentration and Groundwater Elevation vs. Time Fields A#7A (Meter #89961) Figure 7



**MW-3** 

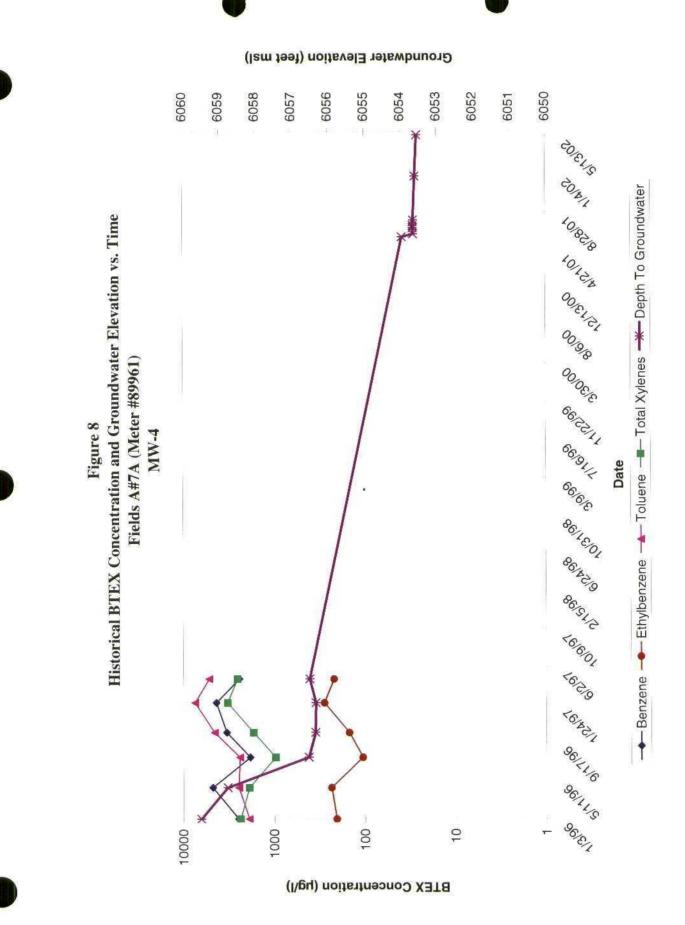


TABLE 1

# FREE-PRODUCT RECOVERY FIELDS A#7A (METER # 89961) (Page 1 of 3)

MM		Depth to Product	Depth to Water	Product	Volume Removed	Cumulative Removed
Identification	Date	(feet bgs)	(feet bgs)	Thickness (feet)	(gallons)	(gallons)
1	03-Jan-2002	30.69	30.40	0.00	0.00	12.30
1	07-Jan-2002	30.58	30.59	0.01	0.00	12.30
1	23-Jan-2002	30.40	30.41	0.00	0.01	12.31
1	31-Jan-2002	30.94	30.95	0.01	0.00	12.31
1	07-Feb-2002	31.11	31.12	0.01	0.00	12.31
1	14-Feb-2002	31.17	31.18	0.01	0.00	12.31
1	20-Feb-2002	31.14	31.15	0.01	0.00	12.31
1	21-Mar-2002	30.78	30.80	0.02	0.00	12.31
1	28-Mar-2002	NA	30.92	0.00	0.01	12.32
1	04-Apr-2002	NA	30.64	0.00	0.00	12.32
1	12-Apr-2002	NA	31.45	0.00	0.00	12.32
1	19-Apr-2002	NA	31.56	0.00	0.00	12.32
1	25-Apr-2002	NA	31.54	0.00	0.00	12.32
-	03-May-2002	NA	31.51	0.00	0.00	12.32
1	10-May-2002	NA	31.59	0.00	0.00	12.32
Ι	17-May-2002	NA	31.16	0.00	0.00	12.32
-	24-May-2002	NA	31.38	0.00	0.00	12.32
1	31-May-2002	NA	31.23	0.00	0.00	12.32
-	06-Jun-2002	NA	31.32	0.00	0.00	12.32
1	14-Jun-2002	NA	31.34	0.00	0.00	12.32

1 1 1

No product was removed from MW-2 and MW-3 in 2002.

i i

i . .

I

**O** TABLE 1

# FREE-PRODUCT RECOVERY FIELDS A#7A (METER # 89961) (Page 2 of 3)

MM		Depth to Product	Depth to Water	Product	Volume Removed	Cumulative Removed
Identification	Date	(feet bgs)	(feet bgs)	Thickness (feet)	(gallons)	(gallons)
	21-Jun-2002	NA	31.67	0.00	0.00	12.32
1	27-Jun-2002	NA	31.81	0.00	0.00	12.32
1	02-Jul-2002	NA	31.82	0.00	0.00	12.32
1	11-Jul-2002	NA	31.84	0.00	0.00	12.32
1	18-Jul-2002	NA	31.45	0.00	0.00	12.32
1	21-Aug-2002	NA	32.12	0.00	0.00	12.32
1	01-Oct-2002	NA	31.77	0.00	0.02	12.34
4	03-Jan-2002	31.61	NA	0.04	0.01	1.36
4	07-Jan-2002	31.61	NA	0.04	0.00	1.36
4	23-Jan-2002	31.62	NA	0.04	0.00	1.36
4	31-Jan-2002	31.61	NA	0.04	0.00	1.36
4	07-Feb-2002	31.60	NA	0.05	0.00	1.36
4	14-Feb-2002	31.62	NA	0.03	0.00	1.36
4	20-Feb-2002	31.62	NA	0.03	0.00	1.36
4	21-Mar-2002	Dry	Dry	0.00	0.00	1.36
4	02-Apr-2002	Dry	Dry	0.00	0.00	1.36
4	17-May-2002	Dry	Dry	0.00	0.00	1.36
4	24-May-2002	Dry	Dry	0.00	0.00	1.36
4	31-May-2002	Dry	Dry	0.00	0.00	1.36
4	06-Jun-2002	Dry	Dry	0.00	0.00	1.36

No product was removed from MW-2 and MW-3 in 2002.

U



H I H

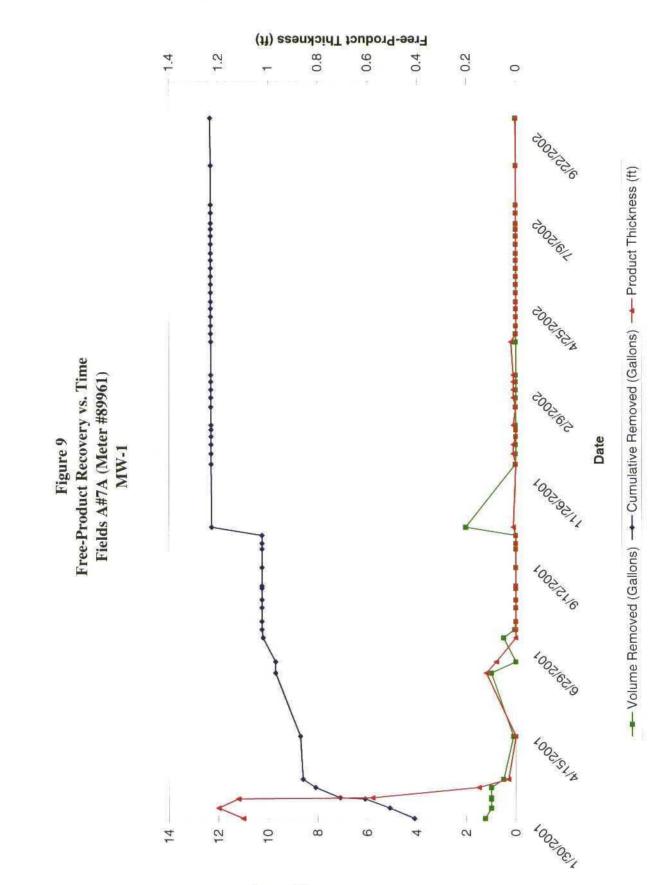
# FREE-PRODUCT RECOVERY FIELDS A#7A (METER # 89961) (Page 3 of 3)

11

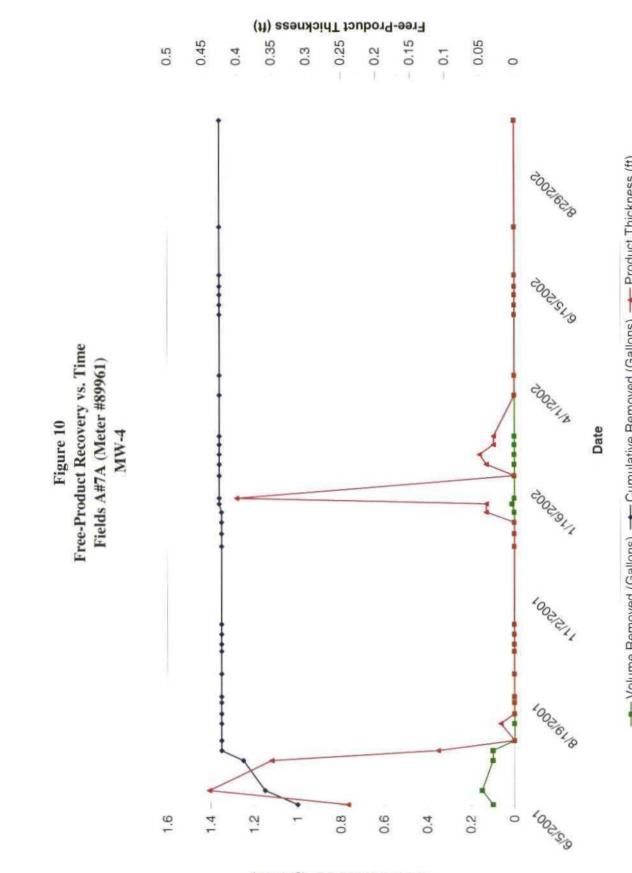
Cumulative Removed (gallons)	1.36	1.36	1.36
Volume Removed (gallons)	0.00	0.00	0.00
Product Thickness (feet)	0.00	0.00	0.00
Depth to Water (feet bgs)	Dry	Dry	Dry
Depth to Product (feet bgs)	Dry	Dry	Dry
Date	14-Jun-2002	18-Jul-2002	01-Oct-2002
MW Identification	4	4	4

No product was removed from MW-2 and MW-3 in 2002.

Ţ



Product Recovered (gallons)



--- Volume Removed (Gallons) --- Cumulative Removed (Gallons) --- Product Thickness (ft)

Product Recovered (gallons)

#### **ATTACHMENT 1**

#### FIELD DOCUMENTATION

Ĩ

- ----

Π.

#### Product Recovery and Well Observation Data

Project Name: San Juan River Basin
Project Manager: Ashley Lowe
Client Company: MWH
Project Manager: Ashley Lowe Client Company: MWH Site Name: Fields A 7A

Project No: <u>220013</u> Date: <u>10/01/02</u>

Weil	Time	Depth to Water (ft)	Depth to Product (ft)	Totai Weli Depth (ft)	Product Thickness (ft)	Volume Removed	Comments	
MW-4	10:25	Dry	Dry	31.62			Dry Well	
MW-3	10:28	Dry	Dry	31,987			Dry Well	
MW-Z	10:30	Dry	Dry	31925		· · · ·	Dry Well	
MW-1	10:36	31,770	None	39.920		30z	No product indicate 3 cz removed from sk	mmor w/502 water
							·	
							-	
								· ·



906 San Juan Blvd.Ste.D Farmington, NM 87401 505.566.9116(9120fax)

Project Name San Juan River Basin
Project Manager Ashley Lowe
Client Company Montgomery Watson Harza
Site Name_Fields # 7

Project No. 220013 Date 98/21/07

Well	Time	Depth to Water (ft)	Depth to Product (ft)	Total Well Depth (ft)	Product Thickness (ft)	Comments
MW-1	12:15	32.12		39.920		no product measured
						1
· ·						
			-		· · · · · ·	
· · · · · · · · · · · · · · · · · · ·		200 - C.				
						•

Comments This visit is not on the schedule, but was request bv 01 L. Benally to collect sample for specific 0 araviti cimmer. was no product measured in the well after removing the s A small amount of product + water (>50 cc) ups DUCAP m the skimmer & collected in an amber Benally via that we ao ahra 4 SIDO small sample

Vial was rinsed free of HCI preservative before use

Ashley & Lowe

Signature (

Date 08/21/02



AESE

#### **PRODUCT RECOVERY**

906 San Juan Blvd.Ste.D Farmington, NM 87401 505.566.9116(9120fax)

Project Name San Juan River Basin
Project Manager Ashley Lowe
Client Company Montaomery Watson Harza
Client Company Montgomery Watson Harza Site Name Fields A 7A

Project No.\_\_\_\_\_ Date 07/18/02\_\_\_\_\_

Well	Meter/Line No.	Time	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	Volume Removed	TD = 39.92
MW-1		15:28		31.454	0.00	~1+bsp	TD= 31.589
						1	TD= 31.58"
MW-4		16:04			<u></u>		

Comments

by oil-water interface probe MW-1: no produ dira Total Depth = 39.920

<u>Most of recovery in skimmer was water - light gray in color strong</u> odor No survey marks are visible on casing - took medsurement from N side

MW-4: Dry well-nothing on probe, no odors 2 survey marks on casing - used None

y Lowe Date\_07, Signature\_





### <u>AESE</u>

#### WELL OBSERVATION DATA

906 San Juan Blvd.Ste.D Farmington, NM 87401 505.566.9116(9120fax)

Project Name San Juan River Basin
Project Manager Ashley Lowe
Client Company Montgomery Watzon Harza
Site Name Fields A 7A

Project No.

Date 07/18/02

Well	Time	Depth to Water (ft)	Depth to Product (ft)	Total Well Depth (ft)	Product Thickness (ft)	Comments
MW-Z	15:42			31.930		Dry well-grassy moderial on probe
MW-3	15:56	· 		31.965		Dry well
						2 marks on casing-used N mark to measure TD
		· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·		
				•		
·		,				

Comments Dry Wells

Signature Ashley Law

Date 07/18/02



oject Name:	EPPS GW PROJECT	
Project Mngr:	LISA WINN	
Client Co.:	EL PASO FIELD SERVICES	
Site Name:	FICI DE A#7A	

Project No.:	151000121
Task:	3
Date:	7-11-02

I

Well or Piezometer	Time	Reason Not Measured	Depth to Floating Product (Feet)	Depth to Water (Feet)	Total Well Depth (Feet)	Floating Product Thickness	Comments
MW-1	1450		_	31.84	÷		No LIQUIDS RECOVERED
	<u>\</u>						
				-			
		·					
			-	· · · · ·			
							· ·
					·		······································

Comments:

Signature:

Be  $\infty$ 

Date: <u>7-11-02</u>



oject Name	EPFS GW PROJECT	Project No.: 151700012	-1
Project Mngr:	LISA WINN	Task: <u>3</u>	
Client Co.:	EL PASO FIELD SERVICES	Date: 7-2-02	
Site Name:	FIELDS A#7A		
·			•

Well or Piezometer	Time	Reason Not Measured	Depth to Floating Product (Feet)	Depth to Water (Feet)	Total Well Depth (Feet)	Floating Product Thickness	Comments
MW-1	1500			31.82			No 404105 RECOVERED.
	• •						
				· .			
	<u>`````````````````````````````````````</u>			······································	· · ·		······································
	:						
· .*	<u> </u>						· · · · · · · · · · · · · · · · · · ·
					· · · · · · · · · · · · · · · · · · ·		
							· · · · · · · · · · · · · · · · · · ·
		· ·					· · · · · · · · · · · · · · · · · · ·
							· · · · · · · · · · · · · · · · · · ·
· ·		· · · ·					
[						·	

Reason Not Measured: D = Dry; O = Obstructed; N = Not Accessible

Comments: 7-2-02 Signature: Date:

amec	9
	•.

roject Name:	EPFS GW PROJECT	-
Project Mngr:	LISA WINN	
Client Co.:	EL PASO FIELD SERVICES	

Project No.: <u>1517000121</u> Task: <u>3</u> Date: <u>6-27-02</u>

Site Name:

FIELDS A#7A

Well or Piezometer	Time	Reason Not Measured	Depth to Floating Product (Feet)	Depth to Water (Feet)	Total Well Depth (Feet)	Floating Product Thickness	Comments
MW-1	1503			31.81			NO LIQUIDS RECOVERED
	1						
			•	1			
		•					
			· .				

Reason Not Measured: D = Dry; O = Obstructed; N = Not Accessible

Comments: Signature: Volcit Champion Date: 6-27-02



roject Name:	EPFS GW PROJECT	Project No.:	1517000121	
Project Mngr:	LISA WINN	Task:	3	
Client Co.:	EL PASO FIELD SERVICES	Date:	6-21-02	
Site Name:	FIELDS A#7A	 •••		
			and the second	

Well or Piezometer	Time	Reason Not Measured	Depth to Floating Product (Feet)	Depth to Water (Feet)	Total Well Depth (Feet)	Floating Product Thickn <del>e</del> ss	Comments
MW-1	1423			31.67			· · · · · · · · · · · · · · · · · · ·
	<u>\</u>	8					· · · ·
* 3-							
					-		
		· ·					· · · ·

Reason Not Measured: D = Dry; O = Obstructed; N = Not Accessible

Comments:

Signature:

Date: 6-21-02

Ξ.

Project Name	e: EpF<	5 GW	pr	otert		-	Project No.	151700	121
	- Lisa	Task:							
Client Co.:	ELP	aso F	Field S	Servic	ces		Date:	6-14	-02
Site Name:	Freide	5 A#7	PA(c	89961	<u> 975</u>	46)			
Well or Piezome	ster Time	Reason Not Measured	Depth to Floating Product (Feet)	Depth to Water (Feet)	Depth to Sinking Product (Feet)	Total Well Depth (Feet)	n Ognikar Produka Tintekrezej	Sinter Tanibus Unit are	Comments
MWI	1057			31.34					
MWA	1052					31.66			Dry
						<u>_</u>			
				•					
						· · ·			
			·						
ļ									· · ·
					·				·.
[		· · · ·		·					. <u>.</u>
						. •			
 		- <u>-</u>							
			<u></u>						
Reason Not Measu Comments:	NO prod				immor	No p	roduct	Detecte	rl 455
Signature:	Chan A	May	, 				Date:	G-14	- 02

amer

# amec

Client Co.: Site Name:	Field:	5 A#	ield S 7A	8996	<u> </u>	546	Date:	6-0	-02
Well or Piezometer	Time	Reason Not Measured	Depth to Floating Product (Feet)	Depth to Water (Feet)	Depth to Sinking Product (Feet)	Total Well Depth (Feet)	ichoratios Philippina Urustateat	Stalday Stalday Hangleag	Comments
MWI	1320			31.32					. 0
MW4	1315					31.66			Dry
					· ·				
		· · · · · · · · · · · · · · · · · · ·	<u></u>			-			· .
······································									
				· · ·	· · · · · · · · · · · · · · · · · · ·				
				·					· · ·
			· ·		· ·				
	·			·					
				· · · · · · · · · · · · · · · · · · ·					<u>_</u>
				· · · · ·	· ·				
			_			.`			
					·				
		·							
									· · ·
eason Not Measure					0101-5	t Detec	<del>≭ed_0)</del>	n prob	£
	nll I	m.		·	······································		Date:	/ /	AJ

## amec<sup>0</sup>

Project Name:	Epfs	GW. p	NOTECT	:	<u>i</u>		Project No.	: 151700	1210
Project Mngr:							Task:	3	· · · ·
Client Co.:	EL po	250 FI	eld :	Servic	උස		Date:	5-31	-02
Client Co.: Site Name:	Field	5 /#	7A	8990	51/97:	54 L			
Well or Piezometer	Time	Reason Not Measured	Depth to Floating Product (Feet)	Depth to Water (Feet)	Depth to Sinking Product (Feet)	Total Well Depth (Feet)	filefilisi Baselief Thiotacos	-Shilon Shilon Huhioka 35.	Comments
MW 1	0950			31.23					NO proor
MW 4	0943					31.66			Dr
	· .								
		· · · · · · · · · · · · · · · · · · ·							
		· 							
· · · · · · · · · · · · · · · · · · ·									·
						<u> </u>			
									······
		:				<u></u>			
	· · ·								
			• •						
		· · · ·							· · ·

Comments: ML/4 Dry Well MLY I NO product Recovered NO product Detected with water/oil probe Signature: Chi X May Date: 5-31-02



Pı	roject Name:	EpFS	Gw.	pooto	500	······		Project No.:	151700	0121
	roject Mngr:				<u> </u>			Task:	3	
C	lient Co.:	Eh pa	50 Fie	1d Ser	-vices			Date:	5-24	-02-
Si	ite Name:	Fields	5 A#7	PA 9	9961/	97541	0	· .		
<b>[</b>										
w	ell or Piezometer	Time	Reason Not Measured	Depth to Floating Product (Feet)	Depth to Water (Feet)	Depth to Sinking Product (Feet)	Total Well Depth (Feet)	Elentine Panducie d'Annecross	7-5586 cm 17. j286d03 20hro <u>Cn</u> 28	Approximater production Recordery
1	MW1	1215			31.38					0
	MW4	1209	·				31.66			Dry
ŀ			· ·							
-	<u> </u>	·			·					
┡				·						· ·
╟─			·			·				<u> </u>
╞		·		· ·						· .
										· · · ·
	·	· · ·					- <u></u>			•
		· · · ·			· .					· · · · · · · · · · · · · · · · · · ·
┝─										
┝										
		· · · · · ·	· · ·				- <u></u>			
 							. J			
Rea	son Not Measure					· ·	- <u>-</u>	and from the total property of the total sector of		
Co	mments:	NO piod	net la	covered	Nop	roduct	Potect	ed with	hate	pr-011
0	pole		· · ·	• •	·				· · ·	· .
	nature:	Chain	1 on	nal				Date:	5-2	4-02
	• • •	<u> </u>	<u></u> X <u>A</u> I				. <i>'</i>	•		
	·						·			•
						•				

an	ne	co
•		

p <sub>roject</sub> Name: Project Mngr:		- 	Project No.: <u> 5170012</u> ] Task: 3						
		paso Field Services		-	Date: $5 - 17$				
				- · .	Date	<u>J -1</u>	17 00		
Site Name:	Field	5 1#7		· · ·					
Well or Piezomete	r Time	Reason Not Measured	Depth to Floating Product (Feet)	Depth to Water (Feet)	Depth to Sinking Product (Feet)	Total Well Depth (Feet)	Contras Organiae Organiae Organiae	Shijears Brog S	Comm
MWI	1030	·		31.16					
MW 2	1017			31.34	1	32.01			Dry
MW 3	1020			32.05		32.06			Dry
MW4	1023					31.66			Div
•			· · ·						
)	·								
	· · · ·								
		· · · · · · · · · · · · · · · · · · ·							· · · ·
·			<sup>[</sup>						·
			·						
· · · ·									
									· ·
		•							
		.							
ason Not Measure	•		•				· .	. •	
omments:	b prod	MT R	ecover	red or	Detec	ted I	nM	WI	Mu/
JW3 M	1W4	Dry h	ells						· · ·
gnature:	2 L	-Mi-			-		Date:	5-1-	7-(72
		S-Mic	Dala in m	Hand I is all the second	a contraction of the contract	·····	Date.		
r .	•								
		•			•	•			



N	Project Name:	EPFS G	W PRO	JECT			Project No.:	1517000121
y	Project Mngr:	LISA	WINN				Task:	3
	Client Co.:	<u>EL PAS</u>	O FIELD	SERVI	CE		Date:	5-10-02
			A#71	-	,		· · ·	
	<b></b>		1	Depth to			Election	Γ
	Well or Piezometer	Time	Reason Not Measured	Floating Product (Feet)	Depth to Water (Feet)	Total Well Depth (Feet)	Floating Product Thickness	Comments
	MW-1	1456			31.59		0.00	NO LIQUIDS RECOVERED.
			·					
						.*		
					· ·			
					÷.,			
								└ <u>─</u> ─── <sup>──</sup> <sup>──</sup> <sup>──</sup> <sup>──</sup> <sup>──</sup> <sup>──</sup> <sup>──</sup> <sup>──</sup>
1	┝━━━━━┼							

Reason Not Measured: D = Dry; O = Obstructed; N = Not Accessible

Comments:

Signature:

Date: 5-10-02

and ( he are and the manual and the manual and the second of the second of the second second second second and the second s



roject Name:	EPFS C	W PROT	TECT			Project No.:	1517000121
Project Mngr:	LISA W	JINN				Task:	3
Client Co.:	EL PAS	o Fieu	SEPUL	<u>_CE</u>		Date:	5-3-02
Site Name:	FIELDS	A # 7A	<u></u>	·	·	•	
Well or Piezometer	Time	Reason Not Measured	Depth to Floating Product (Feet)	Depth to Water (Feet)	Total Well Depth (Feet)	Floating Product Thickness	Comments
MW-1	1530			31.51		0.00	No LIQUIDS RELEVERSA.
						·	
						· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·
· · ·							·
							· · · · · · · · · · · · · · · · · · ·
J							•
				······································			
							· · · · · · · · · · · · · · · · · · ·
							······································
							·
			·				
							· · · · · · · · · · · · · · · · · · ·
						4	

Reason Not Measured: D = Dry; O = Obstructed; N = Not Accessible

Comments: Signature: Date: 5-3-02  $\sim$ 



Project Name:	EPFS	GW PRO		·		Project No.:	1517000121
Project Mngr:	LISA U	JINN				Task:	3
Client Co.:	EL PASC	FIELD	SERVICE	2		Date:	4-25-02
Site Name:	FIELDS	A#7A				· .	
Well or Piezometer	Time	Reason Not Measured	Depth to Floating Product (Feet)	Depth to Water (Feet)	Total Well Depth (Feet)	Floating Product Thickness	Comments
MW-01	1458			31.54		0.00	NO LIQUIOS RECOVERED.
					: 		
					· · · · ·		<u> </u>
<b>y</b>							
· .							
	· · · · ·						
		·					
				······			
				·	·····		
							· · · · · · · · · · · · · · · · · · ·

Reason Not Measured: D = Dry; O = Obstructed; N = Not Accessible

Comments: Signature: Date: 4-25-02

ameco		Proiect No. 50 / of / of /			=	ysz 63	ł			Brownfield KIM		Comments										e-Dry	1 1	Cate <u>44401</u> Livioms/ww Dupmnt 2.dot 11/29/01
·U		Proiect No.					iui ivity Meter	ture Meter	-	sal va Jur		Dissolved Oxygen (mg/L)				-+						Sample-		NILLE CITE 440
	s S	•		CO.	Instruments	D pH Meter	Z Conductivity Meter	Z Temperature Meter	D Other	Water Uisposal		Conductivity {mmhos/cm}	<u></u>					\ \			-+	To collect	4	Reviewed Mi
	For			Talur	Ë					ν γ γ		Ha										8		Revi
	WELL DEVELOPMENT AND PURGING DATA FORM	n'nn		Sah -	,	0.14	Pack Callon to ho					Temperature PC)		-								0+1		- 20-
	URGIN	Project Managerk SA WINN		Site Address Rural	n 32.0	Nell 1	Gravel Pack					Product Volume Removed (gallons)	Increment Cumulative									y Realized		Y Y
		ct Mana		ddress <b>k</b>	alculatio (feet)	er (feet)	es): Well 4" Gra Water Valume in Well	Leet								+			$\left  \right $		-	X RI		Date
· · · · · · · ·	VENT	Proje	•	Site A	lume Ca h of Well	th to Wat Vater Co	inches):	00				Water Volume Removed (gallons)	Cumulative									ipan		
	ELOPN				Water Volume Calculation Initial Depth of Well (feet)	Initial Depth to Water (feet) Height of Water Column in V	Diameter (inches): Well 4.	Item Well Casing	Gravel Pack Drilling Fluids	Total			Increment									ter q		
ſ			ervices	97546)	<u>S</u> <u>S</u>	ΞŤ	<u>م</u> [	<u>×</u>	55	ē		Ending Water Depth (feet)										MUT		
	WEL		S	5	al				erer			(feet) M		+	1					1			6	, u
		GW protect	Field	A (999	ter Remov	neters		lve of ver	a vouvie unieux valve 13 Stainless-steel Kemmerer		1	Removat In Rate (gal/min)			+	-			-+-			do	60 /	11 2
	ſ	SWA		C#Y.	a nes of Wa	cator Para	ment	Bailer Dottom Vaive	taintess-st			Development Method	ump Bailer	-+	-		+					Mot	R	5) [Ka.
	W/w/	EPES	INEL	clis	it Criteri ng Volun	n of India	Jevelop			- Tot			Time	37			+			- <del> </del>	╉╾┥	Om		gnature(:
D. Development		Project NameEro FS	Client CompanyEL	Site Name Fiells	Development Criteria	Other	Methods of Development	Pump 🗖 Centrifugal	D Other	Water Removal Data			Date	7-0-1-								Comments C	10	Developer's Signature(s) <b>,</b>
		Proj	Clie	Site			Me	מ נו ב		ч N			1.	-1					·			Con	2	Dev

:

۰.

		e (e							·
and the	/ of / of / Project No. / of / Project No. / Project No. / کک	Serial No. (If applicable)		Kutz Scoentor Blantield KIM.	Comments	Could Dark Ger Sulfer Odor		did NOT Recover	Letomashuw Delpmit 2.dot 11/29/01
	Paç Project	aitor	tivity Me ature Me	Con Con	Dissolved Oxygen (mg/L)			 lid N	shri(
		DO Monitor	Definition of the conductivity Meter Definition of the conductivity Meter Definition of the conductivity o	Z Seo	Conductivity {mmhos/cm}	5.91		24 10	Review
V FORM			(	J Kul	На	7.02		ell	Rev
DATA	heinn	5	Pack Gallons to be Removed		Temperature (°C)	23.3		166 1	10-
WELL DEVELOPMENT AND PURGING DATA FORM	erLish	32. 32. 31.	// Gravel Pack e In Well Gallon Gallons Rem		Product Volume Removed (gailons) norement Cumutative			Bailes	Date 4 - 2
	Project Manager LiSA	Site Address <u>Kurve</u> ie Calculation if Well (feet) <u>3</u> o Water (feet) <u>31</u> o water (feet) (fee	es): Well <u>4</u> <sup>1</sup> . Gra Water Volume in Well ubic Feet Gallons					Sal	Dat
MENT /	Projec	Water Volume Calculation Initial Depth of Well (feet) Initial Depth to Water (feet) Height of Water Column in W	- 년 - I · · · · ·		Water Volume Removed (gallons) Increment Cumutative	15		 1.15	
VELOPI		Mater Vc Nater Vc Initial Dep Height of	Diameter (ii Item Well Casing Gravel Pack Drilling Fluids	Diol		<u>ς/-</u>		netel	
	10.00	2017			th Ending Water Depth (feet)	<u>1</u> 2.04		pickimeter Oles	
WE	103	by the provide	alve mmerer		Intake Depth (feet)			 A.	-uli-
	qui	Vater Ren rameters	Valve Check V		nt Removal Rate (gal/min)		 	ailit L	× en
	G.W.P	ria umes of V dicator Pa	lopment Bailer D Bottom Valve D Double Check Valve D Stainless-steel Kemmerer	ata	Development Method Pump Bailer	×		 ir B	rels)
	In ML/	ent Crite asing Voli ion of Inc	if Develc Jgal Br rsible D tic D	noval Da	lime	1449		AFTE	s Signatu
Devicent Purging	Well Number ML/ Project Name EpfS Client CompanyEL	Development Criteria Development Criteria Data 5 Casing Volumes of Water Removal Data 5 Casing Volumes of Water Removal	Methods of Development Pump Bailer D Centrifugal D Bottom D Submersible D Double D Peristalitic D Stainlee	Water Removal Data	Date	CO-C-1		Comments AFTER Bai	Developer's Signature(s)

>

amec

Site Name:	Fielde	5 A#-	16 Ser 7.A. (	<u> /89961/</u>	97546	)			
Well or Piezometer	Time	Reason Not Measured	Depth to Floating Product (Feet)	Depth to Water (Feet)	Depth to Sinking Product (Feet)	Total Well Depth (Feet)	i Diching Product Thiskness	Stadur Badıra Arn <u>oka</u> eş,	Appresi presi Roco
Mw 1	1515			3094		ι.			
MW4	1500					31,61			Do
						-			
			х						

amec
------

Project Name:	EPFS GW PROJECT
Project Mngr:	LISA WINN
Client Co.:	EL PASO FIELD SERVICES
Site Name:	FIELDS A#7A

Project No.:	1517000121
Task:	3
Date:	4-19-02

						<u> </u>	· · ·
Well or Piezometer	Time	Reason Not Measured	Depth to Floating Product (Feet)	Depth to Water (Feet)	Total Well Depth (Feet)	Ploating Product Thickness	Comments
MW-1	1133			31.56	_	0.00	No LIQUIDS RECOVERED
							· · ·
· · ·							
•							
		•			,		
					· .		
		-					
		•					
							<u></u>

Reason Not Measured: D = Dry; O = Obstructed; N = Not Accessible

Comments:		· · ·		
Signature:	Total Champson	Date:	4-19-02	
			······································	

an	ne	CO

roject Name:	EPPS GW PROJECT	Project No.:	151700121*
	LISA WINN	Task:	3
Client Co.:	EL PASO FIELD SERVICES	Date:	4-12-02
Site Name:	FIELDS A#7A		

	Well or Piezometer	Time	Reason Not Measured	Depth to Floating Product (Feet)	Depth to Water (Feet)	Depth to Sinking Product (Feet)	Total Well Depth (Feet)	Floating Product Thickness	Sinking: Product Thickness	Comments
	MW-1	1420			31.45			0.00+		NO PRODUCT RECOVERED
	MW-4	1428			DRY		<u>    .                                </u>	0.00		DRY WELL
	MW-3	1433			32.05			0:00;		
	MW-2	1437			31.95			0,00		
	<u> </u>						<u></u>			
ĺ										
			~							

Reason Not Measured	D = Dry; O = Obstructed; N = Not Accessible
---------------------	---

Comments:	·	<u> A TL</u>	<u></u>
Signature:	Acit Changson	Date:	4-12-02
N		· · ·	

amec	
------	--

Fields	人中7	A (	89961	19754	6)	2				
	 	<b>x</b>		1						
r Time	Reason Not Measured	Depth to Floating Product (Feet)	Depth to Water (Feet)	Depth to Sinking Product (Feet)	Total Well Depth (Feet)		And	P Commen Record		
1306			30.92					1.02		
1310			3186							
1313			31 (1							
1319			Dry		31:61.			Dry		
								·		
		· · ·								
		•								
		· · ·	<u> </u>							
	· · · ·							··		
		· · ·			·					
	•.									
· _										
ed: D = Dry; O =	= Obstructed; N	= Not Accessib	le							
NO hal	rer ne	10 Utrei	tin M	WINO	-bad-	t pe	rected	LSiz		
					<b>4</b>			7		
	Fields Time 130L 1310 1313 1319 	Fields $A#7$ Time       Reason Not         130L       130         1313       1313         1319       1313         1319       1313         1319       1313         1319       1313         1319       1314	Fields $A#7A$ Time       Reason Not         Measured       Depth to         Floating       Product (Feet)         130L       Image: Second Seco	Fields $A#7A$ Pequation         Time       Reason Not       Depth to         I30L       30.92         I310       31.81         I313       31.61         I314       Dry         I319       Dry         I319       Interview         Interview       Interview         Interview <td< td=""><td>Time       Reason Not Measured       Depth to Floating Product (Feet)       Depth to Water (Feet)       Depth to Sinking Product (Feet)         13 0 L       <math>30.92</math>         13 10       <math>31.8L</math>         13 13       <math>31.6L</math>         13 19       <math>Dr \chi</math> </td><td>Fields <math>A^{\pm}7A</math> <math>(99961/97546)</math>         Time       Reason Not Measured       Depth to Floating Product (Feet)       Depth to Sinking Product (Feet)       Total Well Depth (Feet)         1304       30.92       1318       1318       1318         1313       3186       1318       13161         1319       0ry       31.61         1319       13.18       13.161         1319       0ry       31.61         1319       13.18       13.161         1319       13.18       13.161         1319       13.161       13.161         1319       13.161       13.161         1319       13.161       13.161         1319       13.161       13.161         1319       14.161       14.161         1319       14.161       14.161         1319       14.161       14.161         1319       14.161       14.161         14.17       14.161       14.161         15.17       14.161       14.161         15.161       14.161       14.161         15.17       14.161       14.161         15.17       14.161       14.161         16.17</td><td>Fields <math>A#7A</math> <math>99961/97546</math>         Time       Reason Not       Depth to Floating Product (Feet)       Depth to Sinking Product (Feet)       Total Well Depth (Feet)         1306       3092       1318       161         1319       3186       31.61         1319       0ry       0ry         1310       0ry       0ry         1310</td><td>Fields <math>A#7A</math>       (99961/97546)         Time       Reason Not       Depth to Ploating Product (Feet)       Total Well Depth (Feet)         13 0       30.92       13.10       31.94       Reason Not Sinking Product (Feet)         13 10       31.94       Sinking Product (Feet)         13 13       31.01       Sinking Product (Feet)         13 19       Or y         14 10       Or y         15 10       Or y         16 10       Or y         17 10       Or y         18 10       Or y         19 10       <td <="" colspan="2" td=""></td></td></td<>	Time       Reason Not Measured       Depth to Floating Product (Feet)       Depth to Water (Feet)       Depth to Sinking Product (Feet)         13 0 L $30.92$ 13 10 $31.8L$ 13 13 $31.6L$ 13 19 $Dr \chi$	Fields $A^{\pm}7A$ $(99961/97546)$ Time       Reason Not Measured       Depth to Floating Product (Feet)       Depth to Sinking Product (Feet)       Total Well Depth (Feet)         1304       30.92       1318       1318       1318         1313       3186       1318       13161         1319       0ry       31.61         1319       13.18       13.161         1319       0ry       31.61         1319       13.18       13.161         1319       13.18       13.161         1319       13.161       13.161         1319       13.161       13.161         1319       13.161       13.161         1319       13.161       13.161         1319       14.161       14.161         1319       14.161       14.161         1319       14.161       14.161         1319       14.161       14.161         14.17       14.161       14.161         15.17       14.161       14.161         15.161       14.161       14.161         15.17       14.161       14.161         15.17       14.161       14.161         16.17	Fields $A#7A$ $99961/97546$ Time       Reason Not       Depth to Floating Product (Feet)       Depth to Sinking Product (Feet)       Total Well Depth (Feet)         1306       3092       1318       161         1319       3186       31.61         1319       0ry       0ry         1310       0ry       0ry         1310	Fields $A#7A$ (99961/97546)         Time       Reason Not       Depth to Ploating Product (Feet)       Total Well Depth (Feet)         13 0       30.92       13.10       31.94       Reason Not Sinking Product (Feet)         13 10       31.94       Sinking Product (Feet)         13 13       31.01       Sinking Product (Feet)         13 19       Or y         14 10       Or y         15 10       Or y         16 10       Or y         17 10       Or y         18 10       Or y         19 10 <td <="" colspan="2" td=""></td>		

Project Name:	•	•	wject		• 	-	Project N	n.: <u>1517 0</u>	00/2
Project Mngr:	Lisa	winn				-	Task:		
Client Co.:	EL pai	su Fiel	d Strine	<u>ce s</u>	·····	-	Date:	3-2	1 - 0
Site Name:	Fields	1#7	4	·				• •	
Well or Piezometer	Time	Reason Not Measured	Depth to Floating Product (Feet)	Depth to Water (Feet)	Depth to Sinking Product (Feet)	Total Well Depth (Feet)	Contractor Contractor Contractor Contractor Contractor	(1) Sindor (1) Sindor (1) Sindor	Comm
MWI	1324		30.78	30.80					6
MW 4	1311			· · · ·		51.64			Dry
	· · · ·		· .						
· · ·	· ·								
· · · · · · · · ·					· · ·				
									· ·
					-				
			·:						- <u></u>
									·
		i				· · ·			
			·			·			· · · · · · · · · · · · · · · · · · ·
		· · · · ·							
							1 1 - 1 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -		
Reason Not Measure	d: D = Dry; O	= Obstructed; N	= Not Accessib	le					
Comments:	10 Deco	xerr	in Skin	nmer a	187-ste	d Scree	en leve	1	<u></u>
MW4 Dr					J	• •	•.		
lignature:	11- 1	m	· ·	• •			· . ·	3-21	7

. .

Project Name:	EPFS	GW F	PROJECT	• 			Project No.	: 1517	000121
Project Mngr:	USA	MINN	- 1. Januaria - T 1 17. Januaria	· .			Task:	3	
Client Co.:	2 PA	50 FIE	U SER	VICES			Date:	D2-2	0-02
			A (89		7456)				
Well or Piezometer	Time	Reason Not Measured	Depth to Floating Product (Feet)	Depth to Water (Feet)	Depth to Sinking Product (Feet)	Total Well Depth (Feet)	delloating Ricolucit Altroducit Altrickness	t Smene Protuct Finlesnes	APPROK PROD. RECEV
MWI			31.14	31.15			es offe		Ø
MWZ				31.78					
MW3				31.64	mo				
MW4			31.62	31.62	<b>5</b>	31.65	1003		DRY
			· · · · · · · · · · · · · · · · · · ·			•			
		·							
	<u>.</u>								
	· .		· · ·						· · · · · · · · · · · · · · · · · · ·
			:						
		· · · · ·							·
	· · · ·	·.							
	<u>`</u>								
eason Not Measure	d: D = Dry: O	= Obstructed: N	= Not Accessit	} 	<u>,</u>				
comments:									
		- <u></u>			<u> </u>		.*		
· ·	~		1º Conta	•			· · · · · · · · · · · · · · · · · · ·	D2-2	

K

Project Name:	EPH (	aw pro	JECI				Project No.:	[5] 10	0012
Project Mngr:	USA U	VINN			······································		Task:	3	
Client Co.:	ELPA	so Fieu	) SERVIC	ES		·	Date:	D2-1-	1-02
Site Name:	FIEU	DS ATA	(8991	01/974	56)	<u> </u>			
Well or Piezometer	Time	Reason Not Measured	Depth to Floating Product (Feet)	Depth to Water (Feet)	Depth to Sinking Product (Feet)	Total Well Depth (Feet)	Therman Production Therman	Sarang Badadi Linadoras	PRC REC
MWI	1254		31.17	31.18			÷ (o).		- <i>e</i>
MW2	1255			31.76					
MW3	1256			31.63					
MWH	1279		31.62			31.65	11076		D
	· · · · · · · · ·	·							
	· 	<u>.</u>	· · · · · ·						*
·		·							· · ·
			·						
	· · ·								· ·
					·				
			·			· · ·			· · · · ·
					.				
Reason Not Measure	ed: D = Dry; О	= Obstructed; N	I = Not Accessil	ole		<u></u>			
Comments:		· .	· · ·						
	· · ·		•		·	•	·	<u> </u>	
Signature:		<u> </u>	~m.c	, .	· · ·		Date:		14-6

1001-1301
amec

	Project Name:	EPFS	GW PRO	SECT				Project No.:	15170	00121
	Project Mngr:	USA n	1142	·		·	• · · ,	Task:	3	
	Client Co.:	EL PA	SO FIEL	O SERVIC	<u>es</u>	·	••••	Date:	02-07	-02
	Site Name:	FIELOS	A # 7A	(899	61/97	454)		· · · · · ·	••••••••••••••••••••••••••••••••••••••	
·	Well or Piezometer	Time	Reason Not Measured	Depth to Floating Product (Feet)	Depth to Water (Feet)	Depth to Sinking Product (Feet)	Total Well Depth (Feet)	Hite Contract Heroduct Hiteoduct Hiteoducts	Subture Perioducti ATOCK 5118	APPROX. PROD. RECOVER
	MWI	· · · · · · · · · · · · · · · · · · ·		31.11	31.12	<u>_</u>				Ð
	MW2				31.72					
	MW3				31.62					
	MWA	. 	. 	31.60			31.65			DRY
				·						
· ·			·							
							· · · · · · · · · · · · · · · · · · ·			
	\	-								
								<u>Researces</u> Researces		
		<u> </u>	· · ·							· · ·
						· ·				
•										1
					·					
•			·							· · · · · · · · · · · · · · · · · · ·
				<u> </u>	<u></u>					
• •	Reason Not Measure	xd: D = Dry; O	= Obstructed; N	I = Not Accessił	sie					· .
	Comments:		· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · · ·		<del></del>	<u> </u>			<u>.    .                               </u>
			~							
	Signature:	•	Jacen	mc Cur	thin	· · ·		Date:	02-0	7-02
			U							· · ·
		• •	•	· ·				. • •	•	• ·
	· .		· .	÷ .			•			

Project Mngr:		WINN		1		-	Task:	3	
Client Co.:		ASO FIE S A #			10710	<u>.</u>	Date:	01-31	-02
Site Name:	TIEU	<u>5 A 11</u>	(M ()	07901/	147		·	· · · · · · · · · · · · · · · · · · ·	·····
Well or Piezometer	Time	Reason Not Measured	Depth to Floating Product (Feet)	Depth to Water (Feet)	Depth to Sinking Product (Feet)	Total Well Depth (Feet)	Hioanas Pistan Inickress	Pioturit hilticloress	APPRO PIRODI RECOV
MWI				30.95	30.94		- Éxent		0
MW2				31.68					
MW3				31.60					
MW4	· · · · ·		31.61			31:65	C PUALL		DRY
10				2001	2.6-				
MWI	<u> </u>			30.94	30.95				0
	•	· · · ·			· · ·				
					· · · · · · · · · · · · · · · · · · ·				
				·					
	· . ·								
				.					
· · · · · · · · · · · · · · · · · · ·			· · ·			· .			
			· · ·			· · · · · · · · · · · · ·			· . ·
						· · · · · · · · · · · · · · · · · · ·			
Reason Not Measure	d: D = Dry; O	= Obstructed; N	I = Not Accessi	ole		· · · · · · · · · · · · · · · · · · ·			
Comments:		· · · · · · · · · · · · · · · · · · ·	······						·
·		`	······			•			
Signature:		7.4. 74	c Curt	Um		•	Date:	01-31	_07

1221-1268

• · · ·

WELL OBSERVATION DATA							amec			
Project Name:	EPFS						Project No.:	151700	15100	
Project Mngr: UKA WINN							Task:	3		
Client Co.:	EL PASO FIELD SERVICES						Date:	01-23-02		
			(8996		54)					
Well or Piezometer	Time	Reason Not Measured	Depth to Floating Product (Feet)	Depth to Water (Feet)	Depth to Sinking Product (Feet)	Total Well Depth (Feet)	Televing Altroducy Finekactss	Suncing Product Diffictaness	APPROX. p.R. Aftents RECOVERY	
MWI	1255		30.40	30.41		· · · · · · · · · · · · · · · · · · ·	STREET, STREET		1.02.	
MW2	1259			31.65	V					
MW3	1302			31.62	4					
mw4	1304		31.42		· .				DRY	
	•									
1										
	÷ .									
		· .								
					,					
		· · · · · · ·								

Reason Not Measured: D = Dry; O = Obstructed; N = Not Accessible

Comments:

Signature:

Jacen Mc autam

Date: 01-25-02

1240-1320

WELL OF	BSERVA	TIUND	ATA					am	ec <sup>o</sup>
Project Name:	<u>EpF3 G</u>	w. proj		Project No.: <u>/5/7000/31</u>					
Project Mngr: Liza winn							Task:		
Client Co.: <u>EL paso</u> Fielt Services							Date:	1-7	- 02
Site Name:	•	************************************	-	4941/9-	1456		<u> </u>		· · · · · · · · · · · · · · · · · · ·
Well or Piezometer	Time	Reason Not Measured	Depth to Floating Product (Feet)	Depth to Water (Feet)	Depth to Sinking Product (Feet)	Total Well Depth (Feet)	PERONING NETODUG PERINGKINGS	Sintsme Product Philosopers	Approxim-ty Stel-et Recovery
MW )	1359		3059	30.59					O .
Mr 2	13 40			31.54					
MW 3	1343			31.59					
MW 4	1349		31.61			31 65			Dry
				· · · · ·					
	<u>-</u>			 					
·····		ļ	·	· · · · · · · · · · · · · · · · · · ·					
· ·						·.			
· · · ·				· · · · · · · · · · · · · · · · · · ·		· · ·			
	· · · · ·		· · · ·	· · · · · · ·	· · · · · · · · · · · · · · · · · · ·				
		· · · · · ·							
				·					
			•.			<u>.                                    </u>			
		·							
				i		· · · · ·			
Reason Not Measure	ed: D = Dry; O	= Obstructed; 1	N = Not Accessi	ble		- <u></u>			22 

1339 1404

7-

1 -

Date:

 $\cdot$ :

. :

.

this J. M.

Signature: