AP - 093

GENERAL CORRESPONDENCE

2008-2007

VonGonten, Glenn, EMNRD

From: Price, Wayne, EMNRD
Sent: Thursday, May 22, 2008 9:17 AM
To: rick_morton@eogresources.com
Cc: VonGonten, Glenn, EMNRD
Subject: New Mexico Operations

Dear Rick,

Can you put me in touch with your New Mexico Operations. This is concerning the Red Tank BT Federal #2 groundwater contamination. When I call the Midland office it puts you in a loop unless you know a name.

Wayne Price-Environmental Bureau Chief
Oil Conservation Division
1220 S. Saint Francis
Santa Fe, NM 87505
E-mail wayne.price@state.nm.us
Tele: 505-476-3490
Fax: 505-476-3462

NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON
Governor
Joanna Prukop
Cabinet Secretary

Mark E. Fesmire, P.E.
Director
Oil Conservation Division

FAX COVER SHEET
NMOCD
Fax 505-393-0720 Office 505-393-6161

TO: Daniel Sanchez
FROM: Chris Williams

DATE: 10/26/2007

SUBJECT: Red Tank BT Federal #2 30-025-08113

COMMENTS:

- EOG -

PAT SIMS -

370-3180

MIDLAND - 932-686-3600

Number of Pages + Cover Sheet 7 pages

Go to Incidents/Spills

Well Inspections

Date Mod 10/26/2007

API Well No. 30-025-08113-00-00 Owner EOG RESOURCES INC County Lea
Well Name RED TANK BT FEDERAL Number 002 Inspect No. iLWH0720041488
Well Type Salt Water Dispo UL STR N - 14 - 22S - 32E Status Active Fac/Proj NA

Directions

Purpose: Normal Routine Activity
Type: Routine/Periodic
Notification Type: Field Visit or Inspection
Date Performe: 7/19/2007
Date NOV:
Date Extension:
Date Passed:

Compliance Issues
Violation Found?
Significant NC?
Well Idle >1 Year?
Check Global Comp
Insp/MIT | Incident
Failed Items > > >
Write Compliance

Current Type: S Status: A Type Status
Respondant Change ONGARD to...
7377

NOTES: PREP. TO RUN CSG. INSPECTION LOG..WILL RUN CSG. PATCH 7-20-07,,CSG HOLE @ 429'. Casing test run 7/21/07 witnessed by Chris Williams MIT passed. CW

Comply #: Incident No: Inspector: Buddy Hill Duration: 1.0

Generate Inspection Reports from [REPORTS] / [INSP]

API Well No. 30-025-08113-00-00 Owner EOG RESOURCES INC County Lea
Well Name RED TANK BT FEDERAL Number 002 Inspect No. iSAD0520234463
Well Type Salt Water Dispo UL STR N - 14 - 22S - 32E Status Active Fac/Proj NA

Directions

Purpose:
Type: Bradenhead
Notification Type:
Date Performe: 9/16/2005
Date NOV:
Date Extension:
Date Passed:

Compliance Issues
Violation Found?
Significant NC?
Well Idle >1 Year?
Check Global Comp
Insp/MIT | Incident
Failed Items > > >
Write Compliance

Current Type: S Status: A Type Status
Respondant Change ONGARD to...
7377

NOTES: OK. All Equipment and Location in Good Shape.

Comply #: Incident No: Inspector: E.L. Gonzales Duration:

Generate Inspection Reports from [REPORTS] / [INSP]

API Well No: 30-025-08113-00-00 Owner: EOG RESOURCES INC County: Lea
Well Name: RED TANK BT FEDERAL Number: 002 Inspect No: iSAD0432430103
Well Type: Salt Water Dispo UL STR: N - 14 - 22S - 32E Status: Active Fac/Proj: NA

Directions:

Purpose:
Type: Pressure Test
Notification Type:
Date Performe: 12/29/2004
Date NOV:
Date Extension:
Date Passed:

Compliance Issues
Violation Found?
Significant NC?
Well Idle >1 Year?
Check Global Comp
Insp/MIT | Incident
Failed Items > > >
Write Compliance

Current Type: S Status: A Type: Status:
Respondant: Change ONGARD to:
7377

NOTES: OK. All Equipment and Location in Good Shape.

Comply #: Incident No: Inspector: E.L. Gonzales Duration:

Generate Inspection Reports from [REPORTS] / [INSP]

API Well No: 30-025-08113-00-00 Owner: EOG RESOURCES INC County: Lea
Well Name: RED TANK BT FEDERAL Number: 002 Inspect No: iSAD0332940873
Well Type: Salt Water Dispo UL STR: N - 14 - 22S - 32E Status: Active Fac/Proj: NA

Directions:

Purpose: Normal Routine Activity
Type: Bradenhead
Notification Type: Field Visit or Inspection
Date Performe: 12/30/2003
Date NOV:
Date Extension:
Date Passed:

Compliance Issues
Violation Found?
Significant NC?
Well Idle >1 Year?
Check Global Comp
Insp/MIT | Incident
Failed Items > > >
Write Compliance

Current Type: S Status: A Type: Status:
Respondant: Change ONGARD to:
7377

NOTES: A-OK. All Equipment and Location in Good Shape.

Comply #: Incident No: Inspector: Gary Wink Duration:

Generate Inspection Reports from [REPORTS] / [INSP]

API Well No: 30-025-08113-00-00 Owner: EOG RESOURCES INC County: Lea
Well Name: RED TANK BT FEDERAL Number: 002 Inspect No: iELG0300949825
Well Type: Salt Water Dispo UL STR: N - 14 - 22S - 32E Status: Active Fac/Proj: NA

Directions:

Purpose: Normal Routine Activity
Type: Routine/Periodic
Notification Type:

Date Performe: 1/9/2003
Date NOV:
Date Extension:
Date Passed:

Compliance Issues
Violation Found?
Significant NC?
Well Idle > 1 Year?
Check Global Comp
Insp/MIT | Incident
Failed Items > > >
Write Compliance

Current Type: S Status: A Type: Status:
Respondant: Change ONGARD to: 7377

NOTES: A-OK. All Equipment and Location in Good Shape.

Comply #: Incident No: Inspector: E.L. Gonzales Duration:

Generate Inspection Reports from [REPORTS] / [INSP]

API Well No: 30-025-08113-00-00 Owner: EOG RESOURCES INC County: Lea
Well Name: RED TANK BT FEDERAL Number: 002 Inspect No: iLWH0208542023
Well Type: Salt Water Dispo UL STR: N - 14 - 22S - 32E Status: Active Fac/Proj: NA

Directions:

Purpose: Request/Complaint
Type: Bradenhead
Notification Type:

Date Performe: 3/26/2002
Date NOV:
Date Extension:
Date Passed:

Compliance Issues
Violation Found?
Significant NC?
Well Idle > 1 Year?
Check Global Comp
Insp/MIT | Incident
Failed Items > > >
Write Compliance

Current Type: S Status: A Type: Status:
Respondant: Change ONGARD to: 7377

NOTES: A-OK. All Equipment and Location in Good Shape.

Comply #: Incident No: Inspector: Buddy Hill Duration: 0.5

Generate Inspection Reports from [REPORTS] / [INSP]

API Well No. 30-025-08113-00-00 Owner EOG RESOURCES INC County Lea
Well Name RED TANK BT FEDERAL Number 002 Inspect No. iSAD0104440230
Well Type Salt Water Dispo UL STR N - 14 - 22S - 32E Status Active Fac/Proj NA

Directions

Purpose

Type
Bradenhead

Notification Type

Date Performe 3/1/2001
Date NOV
Date Extension
Date Passed

Compliance Issues
Violation Found?
Significant NC?
Well Idle >1 Year?
Check Global Comp
Insp/MIT | Incident
Failed Items > > >
Write Compliance

Current Type: S Status: A Type Status
Respondant Change ONGARD to... 7377

NOTES
OK. All Equipment and Location in Good Shape.

Comply # Incident No Inspector Buddy Hill Duration

Generate Inspection Reports from [REPORTS] / [INSP]

API Well No. 30-025-08113-00-00 Owner EOG RESOURCES INC County Lea
Well Name RED TANK BT FEDERAL Number 002 Inspect No. iSAD0004582
Well Type Salt Water Dispo UL STR N - 14 - 22S - 32E Status Active Fac/Proj NA

Directions

Purpose

Type
Bradenhead

Notification Type

Date Performe 3/13/2000
Date NOV
Date Extension
Date Passed

Compliance Issues
Violation Found?
Significant NC?
Well Idle >1 Year?
Check Global Comp
Insp/MIT | Incident
Failed Items > > >
Write Compliance

Current Type: S Status: A Type Status
Respondant Change ONGARD to... 7377

NOTES
A-OK. All Equipment and Location in Good Shape.

Comply # Incident No Inspector Duration

Generate Inspection Reports from [REPORTS] / [INSP]

API Well No: 30-025-08113-00-00 | Owner: EOG RESOURCES INC | County: Lea
Well Name: RED TANK BT FEDERAL | Number: 002 | Inspect No: unk0011770
Well Type: Salt Water Dispo | UL STR: N - 14 - 22S - 32E | Status: Active | Fac/Proj: NA

Directions:

Purpose:

Type: MIT Witnessed - Other

Notification Type:

Date Performe: 3/16/1998

Date NOV:

Date Extension:

Date Passed:

Compliance Issues
- Violation Found?
- Significant NC?
- Well Idle >1 Year?
- Check Global Comp

Insp/MIT | Incident

Failed Items > > >

Write Compliance

Current Type: S | Status: A | Type | Status

Respondant | Change ONGARD to... | 7377

NOTES: NO LTR C/P RQST A GAUGE ON VALVE

Comply #: | Incident No: | Inspector: | Duration:

Generate Inspection Reports from [REPORTS] / [INSP]

API Well No: 30-025-08113-00-00 | Owner: EOG RESOURCES INC | County: Lea
Well Name: RED TANK BT FEDERAL | Number: 002 | Inspect No: unk0011769
Well Type: Salt Water Dispo | UL STR: N - 14 - 22S - 32E | Status: Active | Fac/Proj: NA

Directions:

Purpose:

Type: MIT Witnessed - Other

Notification Type:

Date Performe: 3/17/1997

Date NOV: 03/27/1997

Date Extension:

Date Passed:

Compliance Issues
- Violation Found?
- Significant NC?
- Well Idle >1 Year?
- Check Global Comp

Insp/MIT | Incident

Failed Items > > >

Write Compliance

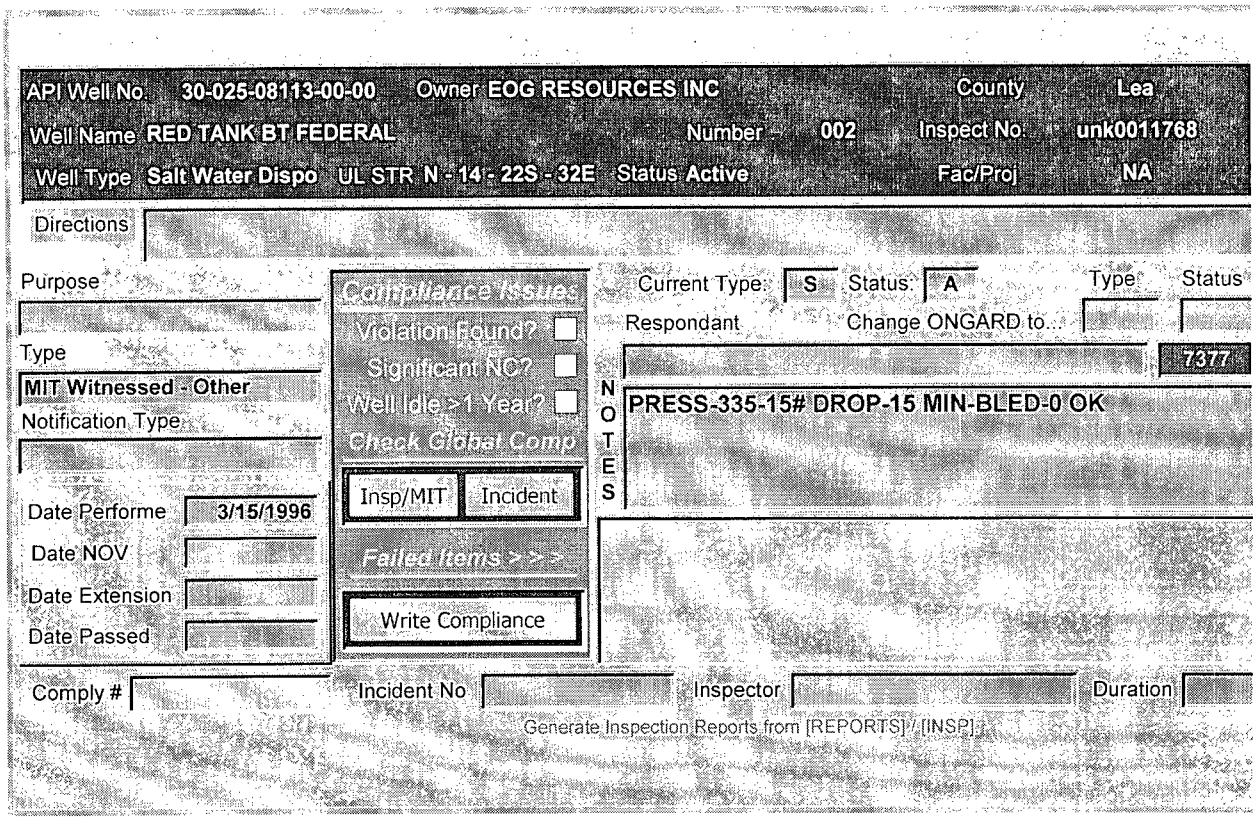
Current Type: S | Status: A | Type | Status

Respondant | Change ONGARD to... | 7377

NOTES: LETTER PRESSURE LIMIT

Comply #: | Incident No: | Inspector: | Duration:

Generate Inspection Reports from [REPORTS] / [INSP]


API Well No 30-025-08113-00-00
Owner EOG RESOURCES INC
County Lea
Well Name RED TANK BT FEDERAL
Number 002
Inspect No unk0011768
Well Type Salt Water Dispo
UL STR N - 14 - 22S - 32E
Status Active
Fac/Proj NA
Directions
Purpose
Type
MIT Witnessed - Other
Notification Type
Date Performe 3/15/1996
Date NOV
Date Extension
Date Passed
Compliance Issues
Violation Found?
Significant NC?
Well Idle >1 Year?
Check Global Comp
Insp/MIT
Incident
Failed Items > > >
Write Compliance
Current Type: S
Status: A
Type
Status
Respondant
Change ONGARD to
7377
NOTES
PRESS-335-15# DROP-15 MIN-BLED-0 OK
Comply #
Incident No
Inspector
Duration
Generate Inspection Reports from [REPORTS] / [INSP]


Approximate Scale In Feet
0
50
100
Proposed Line
MW-8
PARKING AREA
TRANSPORT TRUCK LOADING AREA
(restricted access)
F STATE TANK BATTERY
Oil/Crude Mix Tank
(500 bbl)
Product
Tank
(100 bbl)
Produced Water Tank
(500 bbl)
Electrical Panel Box
CRA Parking Area
RW-2
RW-3
EXCAVATION
AREA
(not accessible
by vehicle)
RW-1
MW-3
AMERADA
HESS
SAT.
BATTERY
MW-5
MW-6
MW-4

CARDINAL LABORATORIES

PHONE (325) 673-7001 · 2111 BEECHWOOD · ABILENE, TX 79603
PHONE (505) 393-2326 · 101 E. MARLAND · HOBBS, NM 88240

ANALYTICAL RESULTS FOR
ENVIRONMENTAL PLUS, INC.
ATTN: JASON STEGEMOLLER
P.O. BOX 1558
EUNICE, NM 88231
FAX TO: (505) 394-2601

Receiving Date: 06/12/07
Reporting Date: 06/13/07
Project Owner: PATRICK SIMS (110100)
Project Name: WATER WELL #1
Project Location: NOT GIVEN

Sampling Date: 06/12/07
Sample Type: GROUND WATER
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: AB

PATRICK brought this by 6.18.07

MW on site 6-19-07

LAB NUMBER	SAMPLE ID	Cl (mg/L)	SO_4 (mg/L)
ANALYSIS DATE:		06/13/07	06/13/07
H12741-1	WW-1	2479	210
Quality Control		500	27.1
True Value QC		500	25.0
% Accuracy		100	108
Relative Percent Difference		<0.1	1.5

METHODS: Cl: Std. Methods 4500-Cl⁻B; SO_4: EPA 600 375.4

Chemist

06-13-07
Date

H12741 EPI

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PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
ENVIRONMENTAL PLUS, INC.
ATTN: JASON STEGEMOLLER
P.O. BOX 1558
EUNICE, NM 88231
FAX TO: (505) 394-2601

Receiving Date: 06/12/07
Reporting Date: 06/15/07
Project Owner: PATRICK SIMS (110100)
Project Name: WATER WELL #1
Project Location: NOT GIVEN
Lab Number: H12741-1
Sample ID: WW-1

Analysis Date: 06/14/07
Sampling Date: 06/12/07
Sample Type: GROUNDWATER
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: BC

POLYNUCLEAR AROMATIC HYDROCARBON - 8270 (mg/L)	Sample Result	Method Blank	QC	% Recov.	True Value QC
1 Naphthalene	<0.00007	<0.00007	0.042	84	0.050
2 Acenaphthylene	<0.00011	<0.00011	0.048	96	0.050
3 Acenaphthene	<0.00009	<0.00009	0.046	92	0.050
4 Fluorene	<0.00010	<0.00010	0.047	94	0.050
5 Phenanthrene	<0.00023	<0.00023	0.049	98	0.050
6 Anthracene	<0.00023	<0.00023	0.047	94	0.050
7 Fluoranthene	<0.00018	<0.00018	0.049	98	0.050
8 Pyrene	<0.00019	<0.00019	0.046	92	0.050
9 Benzo(a)anthracene	<0.00032	<0.00032	0.049	98	0.050
10 Chrysene	<0.00041	<0.00041	0.049	98	0.050
11 Benzo(b)fluoranthene	<0.00030	<0.00030	0.041	82	0.050
12 Benzo(k)fluoranthene	<0.00077	<0.00077	0.041	82	0.050
13 Benzo(a)pyrene	<0.00008	<0.00008	0.048	96	0.050
14 Indeno(1,2,3-cd)pyrene	<0.00053	<0.00053	0.051	102	0.050
15 Dibenzo(a,h,)anthracene	<0.00034	<0.00034	0.053	106	0.050
16 Benzo(g,h,i)perylene	<0.00026	<0.00026	0.056	112	0.050

	% Recovery
17 Nitrobenzene-d5	69
18 2-Fluorobiphenyl	73
19 Terphenyl-d14	71

METHODS: EPA SW-846 8270, 3510, and gc/ms with Selected Ion Monitoring (SIM).
NOTE: Detection limits are MDLs for SIM, determined as per SW-846, Ch. 1, Sec. 5.0, p. 25.

Chemist

6/15/07
Date

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PAESIN

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LABORATORIES

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PHONE (505) 393-2326 · 101 E. MARLAND · HOBBS, NM 88240

ANALYTICAL RESULTS FOR
ENVIRONMENTAL PLUS, INC,
ATTN: JASON STEGEMOLLER
P.O. BOX 1558
EUNICE, NM 88231
FAX TO: (505) 394-2601

Receiving Date: 06/12/07
Reporting Date: 06/14/07
Project Owner: PATRICK SIMS (110100)
Project Name: WATER WELL #1
Project Location: NOT GIVEN

Sampling Date: 06/12/07
Sample Type: GROUNDWATER
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: LB

LAB NUMBER SAMPLE ID	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE	06/13/07	06/13/07	06/13/07	06/13/07
H12741-1 WW-1	<0.002	<0.002	<0.002	<0.002
Quality Control	0.113	0.108	0.109	0.329
True Value QC	0.100	0.100	0.100	0.300
% Recovery	113	108	109	110
Relative Percent Difference	5.9	6.7	6.5	6.4

METHOD: EPA SW-846 8021B

Chemist

6/14/07
Date

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H12741Beel

Environmental Plus, Inc.

Chain of Cus...

2100 Avenue O, Eunice, NM 88231 P.O. Box 1558, Eunice, NM 88231
(505) 394-3481 FAX: (505) 394-2601

Cardinal

Company Name	Environmental Plus, Inc.
EPI Project Manager	Jason Stegemoller
Mailing Address	P.O. BOX 1558
City, State, Zip	Eunice New Mexico 88231
EPI Phone#/Fax#	505-394-3481 / 505-394-2601
Client Company	Patrick Sims
Facility Name	Water Well #1
Location	
Project Reference	110100
EPI Sampler Name	George Blackburn

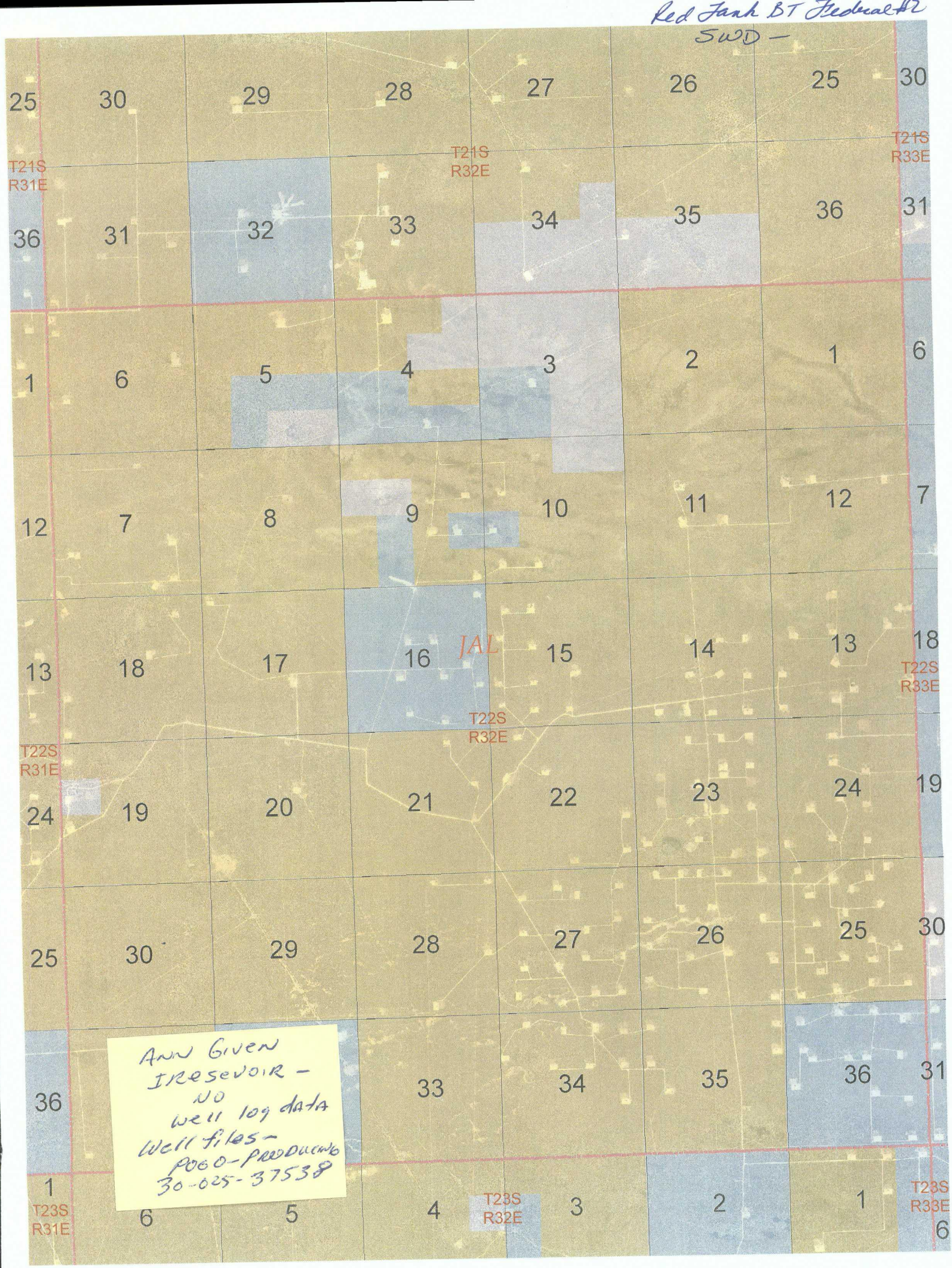
Bill To

Attn: Jason Stegemoller
Environmental Plus, Inc.

LAB I.D.	SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE	ICE/COOL	OTHER	SAMPLING: DATE	TIME	ANALYSIS REQUEST: BTEX 8021B	TPH 8015M	CHLORIDES (Cl)	SULFATES (SO_4^{-2})	pH	TCLP	OTHER >>>	PAH
LB H12741-1																						
~~H12741-1~~ 1	WW-1	G	4	X						X	X		12-Jun-07	~~9:20~~	X							
2	WW-1	G	2	X							X		12-Jun-07	~~9:25~~			X	X				X
3																						
4																						
5																						
6																						
7																						
8																						
9																						
10																						

Sampler Relinquished: George Blackburn	Date 6/12/07 Time 4:15 P	Received By: Aaron Stegemoller	E-mail results to: jstegemoller@envplus.net
Relinquished by: Aaron Stegemoller	Date 6/12/07 Time 5:08pm	Received By: (lab staff) Burgess J. Cobbs	REMARKS:
Delivered by:	Sample Cool & Intact (Yes) No	Checked By:	

Page 4 of 4


Red Tank BT Federal #2
SWD –
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IRESEVOIR –
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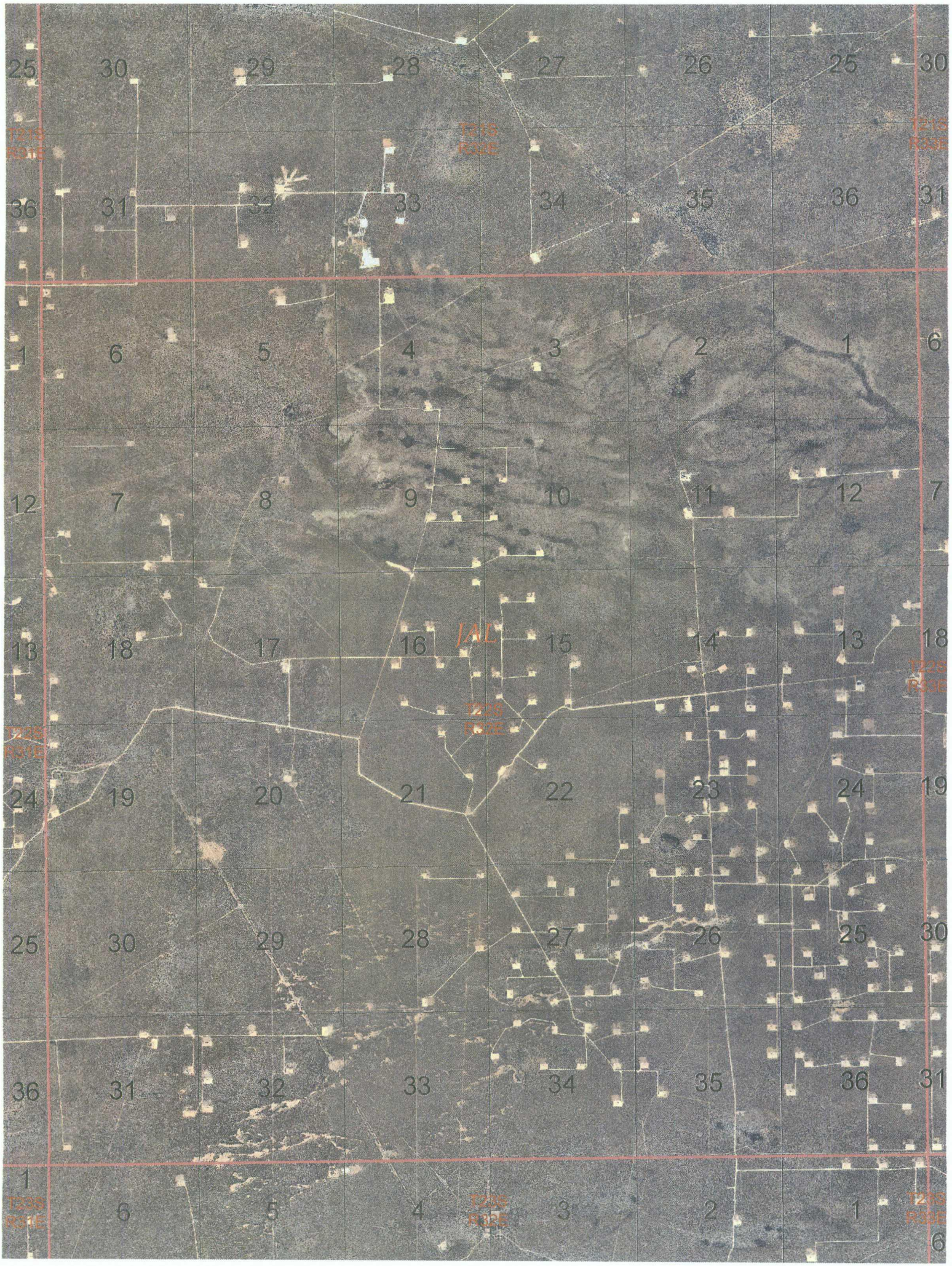
well log data
Well files –
POGO-PRODUCING
30-025-37538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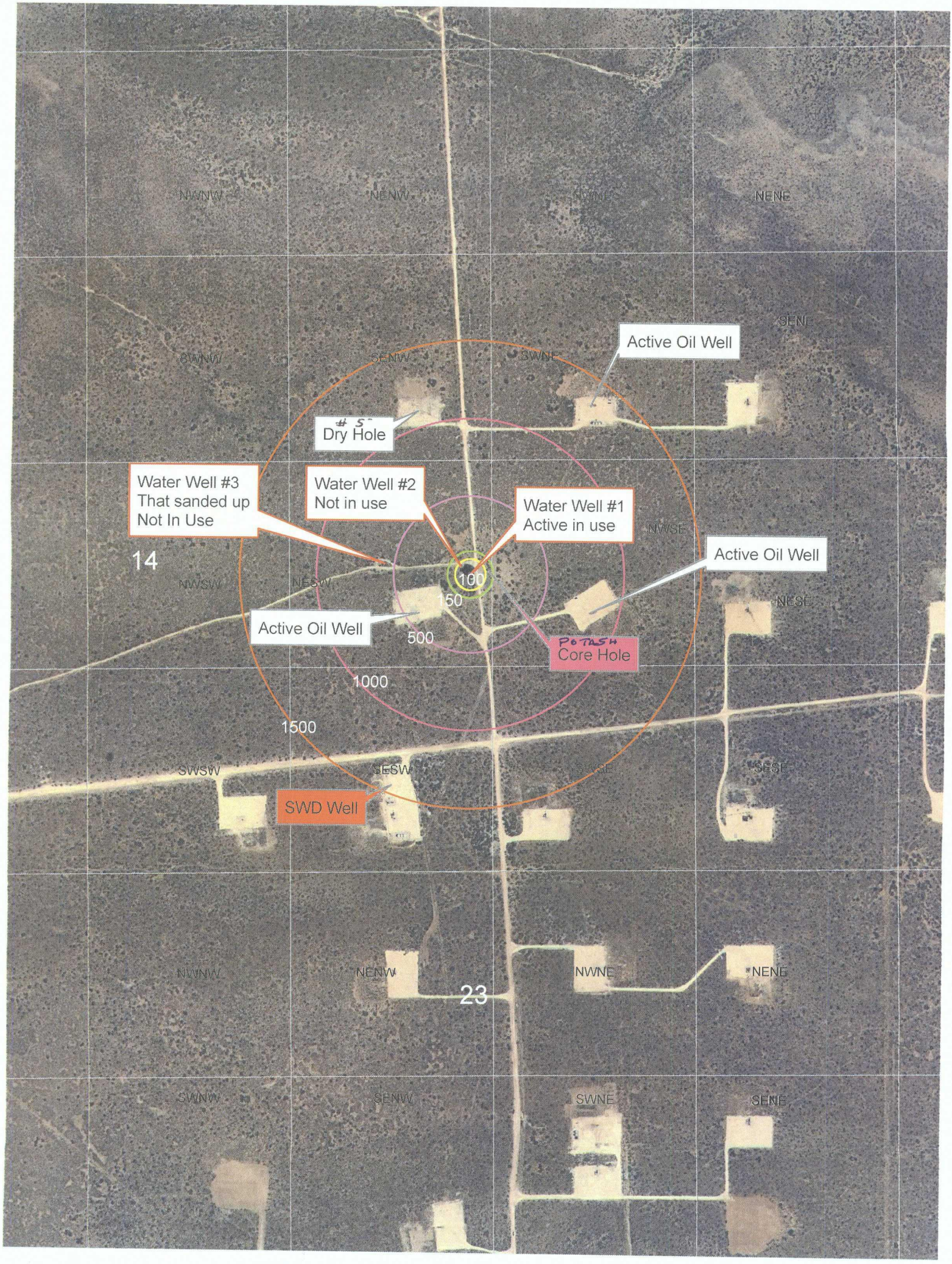
JAL


NWNW
NENW
NWNE
NENE
SENE
SWNW
SENW
SWNE
Active Oil Well
5
Dry Hole
Water Well #3
That sanded up
Not In Use
Water Well #2
Not in use
Water Well #1
Active in use
NWSE
Active Oil Well
14
NWSW
NESW
100
150
NESE
Active Oil Well
500
POTASH
Core Hole
1000
1500
SWSW
SESW
SWSE
SESE
SWD Well
NWNW
NENW
NWNE
NENE
23
SWNW
SENW
SWNE
SENE

Well Selection Criteria Quick Print

(WH_SEC = 14 and WH_TWPN = 22 and WH_RNGN = 32)

API Well #	Well Name and No.		Operator Name	Typ	Stat	County	Surf	UL	Sec	Twp	Rng	Ft N/S	Ft E/W	UICPrmt	Lst Insp Dt
30-025-37825-00-00	PROHIBITION FEDERAL UNIT	007	COG OPERATING LLC	O		Lea	F	A	14	22 S	32 E	960 N	330 E		
30-025-37826-00-00	PROHIBITION FEDERAL UNIT	008	COG OPERATING LLC	O		Lea	F	B	14	22 S	32 E	990 N	1650 E		
30-025-32759-00-00	PROHIBITION FEDERAL UNIT	005	MARALO LLC	O	P	Lea	F	F	14	22 S	32 E	2310 N	2155 W		12/29/2003
30-025-32758-00-00	PROHIBITION FEDERAL UNIT	004	COG OPERATING LLC	O	A	Lea	F	G	14	22 S	32 E	2310 N	1980 E		12/29/2003
30-025-32760-00-00	PROHIBITION FEDERAL UNIT	006	COG OPERATING LLC	O	A	Lea	F	H	14	22 S	32 E	2310 N	990 E		12/29/2003
30-025-32765-00-00	REDCHECKER 14 FEDERAL	002	EOG RESOURCES INC	O	A	Lea	F	I	14	22 S	32 E	1650 S	990 E	CTB-406	12/29/2003
30-025-35530-00-00	BOOTLEG RIDGE 14	001	POGO PRODUCING CO	G		Lea	F	I	14	22 S	32 E	1980 S	660 E		
30-025-32545-00-00	RED TANK FEDERAL	006	EOG RESOURCES INC	O	A	Lea	F	J	14	22 S	32 E	1650 S	1980 E	CTB-406	1/9/2003
30-025-32528-00-00	RED TANK FEDERAL	004	EOG RESOURCES INC	O	A	Lea	F	K	14	22 S	32 E	1650 S	2135 W	CTB-406	1/9/2003
30-025-32544-00-00	RED TANK FEDERAL	007	BURLINGTON RESOURCES OIL	O	C	Lea	F	L	14	22 S	32 E	1650 S	660 W		12/29/2003
30-025-32507-00-00	RED TANK FEDERAL	003	EOG RESOURCES INC	O	A	Lea	F	M	14	22 S	32 E	330 S	990 W	CTB-406	1/9/2003
30-025-32469-00-00	RED TANK FEDERAL	001	EOG RESOURCES INC	O	A	Lea	F	N	14	22 S	32 E	330 S	1980 W	CTB-406	1/9/2003
30-025-08113-00-00	RED TANK BT FEDERAL	002	EOG RESOURCES INC	S	A	Lea	F	N	14	22 S	32 E	542 S	1958 W	SWD-560	9/16/2005
30-025-08113-00-00	RED TANK BT FEDERAL	002	EOG RESOURCES INC	S	A	Lea	F	N	14	22 S	32 E	542 S	1958 W	SWD-560	9/16/2005
30-025-32539-00-00	RED TANK FEDERAL	005	EOG RESOURCES INC	O	A	Lea	F	O	14	22 S	32 E	330 S	2310 E	CTB-406	1/9/2003
30-025-35627-00-00	BOOTLEG RIDGE 14	003	POGO PRODUCING CO	G	C	Lea	F	P	14	22 S	32 E	660 S	660 E		
30-025-32764-00-00	REDCHECKER 14 FEDERAL	001	SUNSET WELL SERVICE INC	O	A	Lea	F	P	14	22 S	32 E	330 S	990 E	CTB-406	7/16/2006
30-025-32764-00-00	REDCHECKER 14 FEDERAL	001	SUNSET WELL SERVICE INC	O	A	Lea	F	P	14	22 S	32 E	330 S	990 E	CTB-406	7/16/2006

3-wells 14-22-32

Water levels – (1972) → 367
360
(1976) → 369

> formation depth 435'

Well Master

30-025-32539-00-00 | EOG RESOURCES INC | Lea

RED TANK FEDERAL No. 005

View Diagram

You're currently entering/browsing data for the HOL1 String/Hole!

Step 1 Boreholes, Strings, Equipment Specifications

Step 2 Specifications for Strings/Tubulars

Type	Diamtr	Top	Bot	Set Dt	Comm
HOL1	13.375	0	848		
SURF	13.375	0	848		
HOL2	8.625	0	4530		
1	8.625	0	4530		
PKR	5.500	8464	8469		
PROD	5.500	0	10100		
HOL3	5.500	0	10100		
T1	2.875	0	8464		

Borehole sizes are entered as HOL1, HOL2, etc. from largest to smallest.

Note: Tapered string intervals are numbered from bottom to top. Therefore, "1" would be the lowermost string section (e.g., casing, tubing, etc.) used in the well.

Step 3 Strings Cemented, Intervals, and Dates

Step 4 Cement and Plug Description Information

Steps 2, 3 and 4 DO NOT APPLY to Boreholes!

Well Master

30-025-32469-00-00 | EOG RESOURCES INC | Lea

RED TANK FEDERAL No 001

View Diagram

You're currently entering/browsing data for the HOL1 *String/Hole!*

Step 1 Boreholes, Strings, Equipment Specifications

Type	Diamtr	Top	Bot	Set Dt	Comn
HOL1	13.375	0	900		
SURF	13.375	0	900		
HOL2	8.625	999	4560		
1	8.625	999	4560		
PKR	5.500	8400	8405		
PROD	5.500	999	10140		
HOL3	5.500	999	10140		
T1	2.875	0	8400		

Borehole sizes are entered as HOL1, HOL2, etc. from largest to smallest.

Step 2 Specifications for Strings/Tubulars

Note: Tapered string intervals are numbered from bottom to top. Therefore, "1" would be the lowermost string section (e.g., casing, tubing, etc.) used in the well.

Step 3 Strings Cemented, Intervals, and Dates

Step 4 Cement and Plug Description Information

Steps 2, 3 and 4 DO NOT APPLY to Boreholes!

Well Master

30-025-32507-00-00 EOG RESOURCES INC Lea

RED TANK FEDERAL No 003

View Diagram

You're currently entering/browsing data for the HOL1 String/Hole!

Step 1 Boreholes, Strings, Equipment Specifications

Type	Diamtr	Top	Bot	Set Dt	Comn
HOL1	13.375	0	851		
SURF	13.375	0	851		
HOL2	8.625	0	4575		
1	8.625	0	4575		
PKR	5.500	8379	8384		
PROD	5.500	0	8892		
HOL3	5.500	0	8892		
T1	2.875	0	4912	11/11/2005	
CIBP			8300	10/29/2005	w/35' cmt.
CIBP			4934	11/11/2005	

Borehole sizes are entered as HOL1, HOL2, etc. from largest to smallest.

Note: Tapered string intervals are numbered from bottom to top. Therefore, "1" would be the lowermost string section (e.g., casing, tubing, etc.) used in the well.

Step 2 Specifications for Strings/Tubulars

Step 3 Strings Cemented, Intervals, and Dates

Step 4 Cement and Plug Description Information

Steps 2, 3 and 4 DO NOT APPLY to Boreholes!

Well Master

30-025-32528-00-00 EOG RESOURCES INC Lea

RED TANK FEDERAL No 004

View Diagram

You're currently entering/browsing data for the HOL1 String/Hole!

Step 1 Boreholes, Strings, Equipment Specifications

Type	Diamtr	Top	Bot	Set Dt	Comm
HOL1	13.375	0	851		
SURF	13.375	0	851		
HOL2	8.625	0	4550		
1	8.625	0	4550		
PKR	5.500	8405	8410		
PROD	5.500	0	8900		
HOL3	5.500	0	8900		
T1	2.875	0	8405		

Borehole sizes are entered as HOL1, HOL2, etc. from largest to smallest.

Step 2 Specifications for Strings/Tubulars

Note: Tapered string intervals are numbered from bottom to top. Therefore, "1" would be the lowermost string section (e.g., casing, tubing, etc.) used in the well.

Step 3 Strings Cemented, Intervals, and Dates

Step 4 Cement and Plug Description Information

Steps 2, 3 and 4 DO NOT APPLY to Boreholes!

Well Master

30-025-32545-00-00 EOG RESOURCES INC Lea

RED TANK FEDERAL No 006

View Diagram

You're currently entering/browsing data for the HOL1 String/Hole!

Step 1 Boreholes, Strings, Equipment Specifications

Type	Diamtr	Top	Bot	Set Dt	Comn
HOL1	13.375	0	865		
SURF	13.375	0	865		
HOL2	8.625	0	4533		
1	8.625	0	4533		
PKR	5.500	8410	8415		
PROD	5.500	0	10100		
HOL3	5.500	0	10100		
T1	2.875	0	8410		

Borehole sizes are entered as HOL1, HOL2, etc. from largest to smallest.

Step 2 Specifications for Strings/Tubulars

Note: Tapered string intervals are numbered from bottom to top. Therefore, "1" would be the lowermost string section (e.g., casing, tubing, etc.) used in the well.

Step 3 Strings Cemented, Intervals, and Dates

Step 4 Cement and Plug Description Information

Steps 2, 3 and 4 DO NOT APPLY to Boreholes!

Well Master

30-025-32758-00-00 COG OPERATING LLC Lea

PROHIBITION FEDERAL UNIT No 004

View Diagram

You're currently entering/browsing data for the HOL1 String/Hole!

Step 1 Boreholes, Strings, Equipment Specifications

Type	Diamtr	Top	Bot	Set Dt	Comm
HOL1	13.375	0	1100		
SURF	13.375	0	1100		
HOL2	8.625	0	4700		
1	8.625	0	4700		
PROD	5.500	0	9000		
HOL3	5.500	0	9000		

Borehole sizes are entered as HOL1, HOL2, etc. from largest to smallest.

Step 2 Specifications for Strings/Tubulars

Note: Tapered string intervals are numbered from bottom to top. Therefore, "1" would be the lowermost string section (e.g., casing, tubing, etc.) used in the well.

Step 3 Strings Cemented, Intervals, and Dates

Step 4 Cement and Plug Description Information

Steps 2, 3 and 4 DO NOT APPLY to Boreholes!

Well Master

30-025-32759-00-00 MARALO LLC Lea

PROHIBITION FEDERAL UNIT No 005

View Diagram

You're currently entering/browsing data for the HOL1 String/Hole!

Step 1 Boreholes, Strings, Equipment Specifications

Step 2 Specifications for Strings/Tubulars

Type	Diamtr	Top	Bot	Set Dt	Comn
HOL1	13.375	0	1122		
SURF	13.375	0	1122		
HOL2	8.625	701	4707		
PROD	8.625	701	4707		

Borehole sizes are entered as HOL1, HOL2, etc. from largest to smallest.

Note: Tapered string intervals are numbered from bottom to top. Therefore, "1" would be the lowermost string section (e.g. casing, tubing, etc.) used in the well.

Step 3 Strings Cemented, Intervals, and Dates

Step 4 Cement and Plug Description Information

Steps 2, 3 and 4 DO NOT APPLY to Boreholes!

Well Master

30-025-08113-00-00 | EOG RESOURCES INC | Lea

RED TANK BT FEDERAL No 002

View Diagram

You're currently entering/browsing data for the HOL1 String/Hole!

Step 1 Boreholes, Strings, Equipment Specifications

Type	Diamtr	Top	Bot	Set Dt	Comn
HOL1	8.625	0	312		
SURF	8.625	0	312		
HOL2	5.500	0	6167		
PKR	5.500	5689	5694		
PROD	5.500	0	6167		
T1	2.875	0	5689		

Borehole sizes are entered as HOL1, HOL2, etc. from largest to smallest.

Step 2 Specifications for Strings/Tubulars

Note: Tapered string intervals are numbered from bottom to top. Therefore, "1" would be the lowermost string section (e.g., casing, tubing, etc.) used in the well.

Step 3 Strings Cemented, Intervals, and Dates

Step 4 Cement and Plug Description Information

Steps 2, 3 and 4 DO NOT APPLY to Boreholes!

TVD - 6167

Spudded - 6/01/1994

Auth. Transport 1/6/1997

Permit to Inj. 3/1/2000

Perfs 5744 - 6066

Well Master

30-025-08113-00-00 | EOG RESOURCES INC | Lea

RED TANK BT FEDERAL No 002

Underground Injection Control Tracking

UIC Permit: SWD-560 | Commercial: ☐ | Class: 2D

EPA Permit: | Rule Auth? ☐ | New/Exist?

Annulus Monitoring

Dt Approved

Min. Req.

Typ of Fluid

SG of Fluid

Water Analysis

Date

Inj Fld

SG Inj

PH Inj

Miscellaneous Information

Maximum Allowable Injection Pressure: 1150

Maximum Total Allowable Injection Volume:

Mechanical Integrity & Inspections

IMIT Required Test Pressure:

Description	*Frequenc*	*Due Dates*
External MIT		
Internal MIT		03/11/2004
Report Frequency		
Monitor Frequency		
Next Inspection		

Compliance Review

Result | Date Last Rvw

Date Operator Notified IMIT Req'mt

IMIT | EMIT

Mechanical Integrity Tests

Operator: **EOG RESOURCES INC** Well Location: **N 14 22S 32E** County: **Lea**

Well Name: **RED TANK BT FEDERAL** No: **002** Conducted by: OCD

API Well No: **30-025-08113-00-00** Test Date & Time: **03/16/98 0:00**

Pool No:

Test History for this Well - Click on Date to Open Record >>>

- 9/16/2005 5:02:44 P
- 12/29/2004 4:10:01 P
- 12/31/2003
- 3/26/2002 11:41:05 A

Dt Mod: 1/21/2005

Reason For Test

Test Used for IMIT: Bradenhead Test

Arrival Status:

MIT Result: Failure

Witnessed? Yes

Name:

Permitted and Witnessed Pressures

Permit psi: 1150 Inject psi:

Notes: NO LTR C/P RQST A GAUGE ON VALVE

Test Failure Detail Section

Failure Type:

Failure Cause:

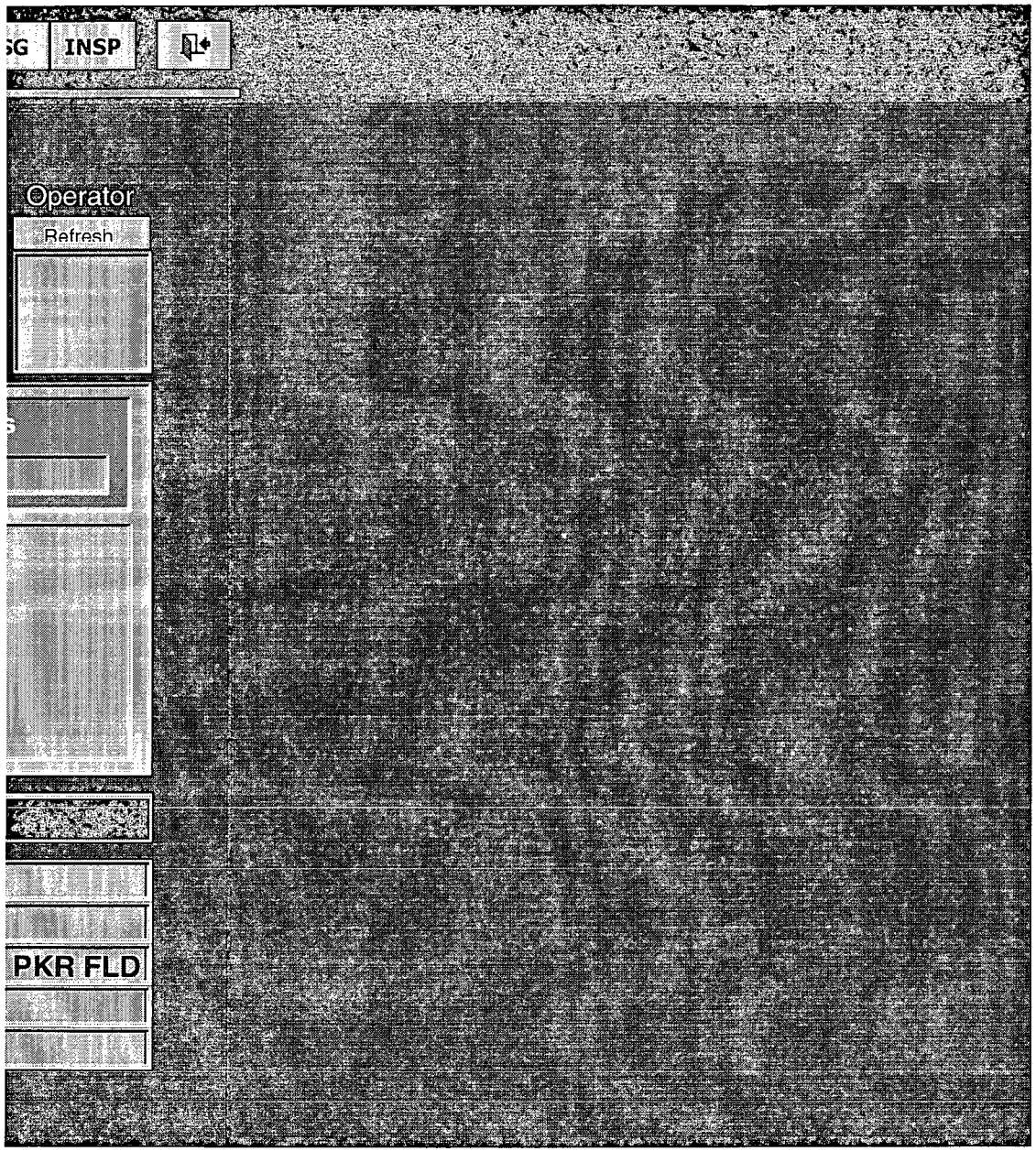
Repair Due Date:

Date of Repair: 03/12/99

Repair Results: Success

Bradenhead Detail Section

SURF Press:	0	SURF Comment:	
INT 1 Press:	0	INT 1 Comment:	
INT 2 Press:	350	INT 2 Comment:	2 MIN 0 SML SCRM
PROD Press:	0	PROD Comment:	
TBG Press:	920	TBG Comment:	


SG
INSP
Operator
Refresh
PKR FLD

Operator: EOG RESOURCES INC Well Location: N 14 22S 32E County: Lea

Well Name: RED TANK BT FEDERAL No. 002

API Well No: 30-025-08113-00-00 Test Date & Time: 03/17/97 0:00

Pool No:

Dt Mod:

Conducted by: OCD

Test History for this Well - Click on Date to Open Record >>>

9/16/2005 5:02:44 P
12/29/2004 4:10:01 P
12/31/2003
3/26/2002 11:41:05 A

Reason For Test

Test Used for IMIT

Bradenhead Test

Arrival Status:

MIT Result:

Witnessed? Yes

Name:

Permitted and Witnessed Pressures

Permit psi: 1150 Inject psi:

Notes

LETTER PRESSURE LIMIT

Test Failure Detail Section

Failure Type:

Failure Cause:

Repair Due Date:

Date of Repair:

Repair Results:

Bradenhead Detail Section

SURF Press:	0	SURF Comment:	
INT 1 Press:	0	INT 1 Comment:	
INT 2 Press:	0	INT 2 Comment:	
PROD Press:	0	PROD Comment:	
TBG Press:	1130	TBG Comment:	2100 INJECTING

Operator: EOG RESOURCES INC Well Location: N 14 22S 32E County: Lea

Well Name: **RED TANK BT FEDERAL** No. **002** Conducted by: **OCD**

API Well No: **30-025-08113-00-00** Test Date & Time: **03/15/96 0:00**

Pool No:

Test History for this Well - Click on Date to Open Record >>>

- 9/16/2005 5:02:44 P
- 12/29/2004 4:10:01 P
- 12/31/2003
- 3/26/2002 11:41:05 A

Dt Mod:

Reason For Test

Test Used for IMIT

Bradenhead Test

Arrival Status:

MIT Result:

Witnessed? Yes

Name:

Permitted and Witnessed Pressures

Permit psi: 1150 Inject psi:

Notes: PRESS-335-15# DROP-15 MIN-BLED-0 OK

Test Failure Detail Section

Failure Type:

Failure Cause:

Repair Due Date:

Date of Repair:

Repair Results:

Bradenhead Detail Section

SURF Press:	0	SURF Comment:	
INT 1 Press:	0	INT 1 Comment:	
INT 2 Press:	0	INT 2 Comment:	
PROD Press:	0	PROD Comment:	
TBG Press:	1020	TBG Comment:	

Operator: **EOG RESOURCES INC**

Well Location: **N 14 22S 32E** County: **Lea**

Well Name: **RED TANK BT FEDERAL** No. **002** Conducted by: **OCD**

API Well No: **30-025-08113-00-00** Test Date & Time: **09/16/05 17:02**

Test History for this Well - Click on Date to Open Record >>>

- 9/16/2005 5:02:44 P
- 12/29/2004 4:10:01 P
- 12/31/2003
- 3/26/2002 11:41:05 A

Pool No: **RED TANK;DELAWARE, WEST**

Dt Mod: 9/16/2005

Reason For Test: **Annual IMIT**

Test Used for IMIT: **Bradenhead Test**

Arrival Status: **Dynamic**

MIT Result: **Acceptable**

Witnessed? **Yes**

Name: **E.L. Gonzales**

Permitted and Witnessed Pressures

Permit psi: **1150** Inject psi:

Notes

Test Failure Detail Section

Failure Type:

Failure Cause:

Repair Due Date: **12/20/05**

Date of Repair:

Repair Results:

Bradenhead Detail Section

SURF Press:	0	SURF Comment:	
INT 1 Press:	0	INT 1 Comment:	N/A
INT 2 Press:	0	INT 2 Comment:	N/A
PROD Press:	0	PROD Comment:	Slight Vacuum
TBG Press:	525	TBG Comment:	

Operator: **EOG RESOURCES INC** Well Location: **N 14 22S 32E** County: **Lea**

Well Name: **RED TANK BT FEDERAL** No: **002** Conducted by: **OCD**

API Well No: **30-025-08113-00-00** Test Date & Time: **12/29/04 16:10**

Pool No: **RED TANK;DELAWARE, WEST**

Test History for this Well - Click on Date to Open Record >>>

- 9/16/2005 5:02:44 P
- 12/29/2004 4:10:01 P
- 12/31/2003
- 3/26/2002 11:41:05 A

Dt Mod: 12/29/2004

Reason For Test: **5-year Test**

Test Used for IMIT: **Std. Annulus Pres. Test**

Arrival Status: **Dynamic**

MIT Result: **Acceptable**

Witnessed? **Yes**

Name: **Buddy Hill**

Permitted and Witnessed Pressures

Permit psi: **1150** Inject psi:

Notes: **Test Successful. Very slight (<10%) bleed**

Test Failure Detail Section

Failure Type:

Failure Cause:

Repair Due Date: **04/03/05**

Date of Repair:

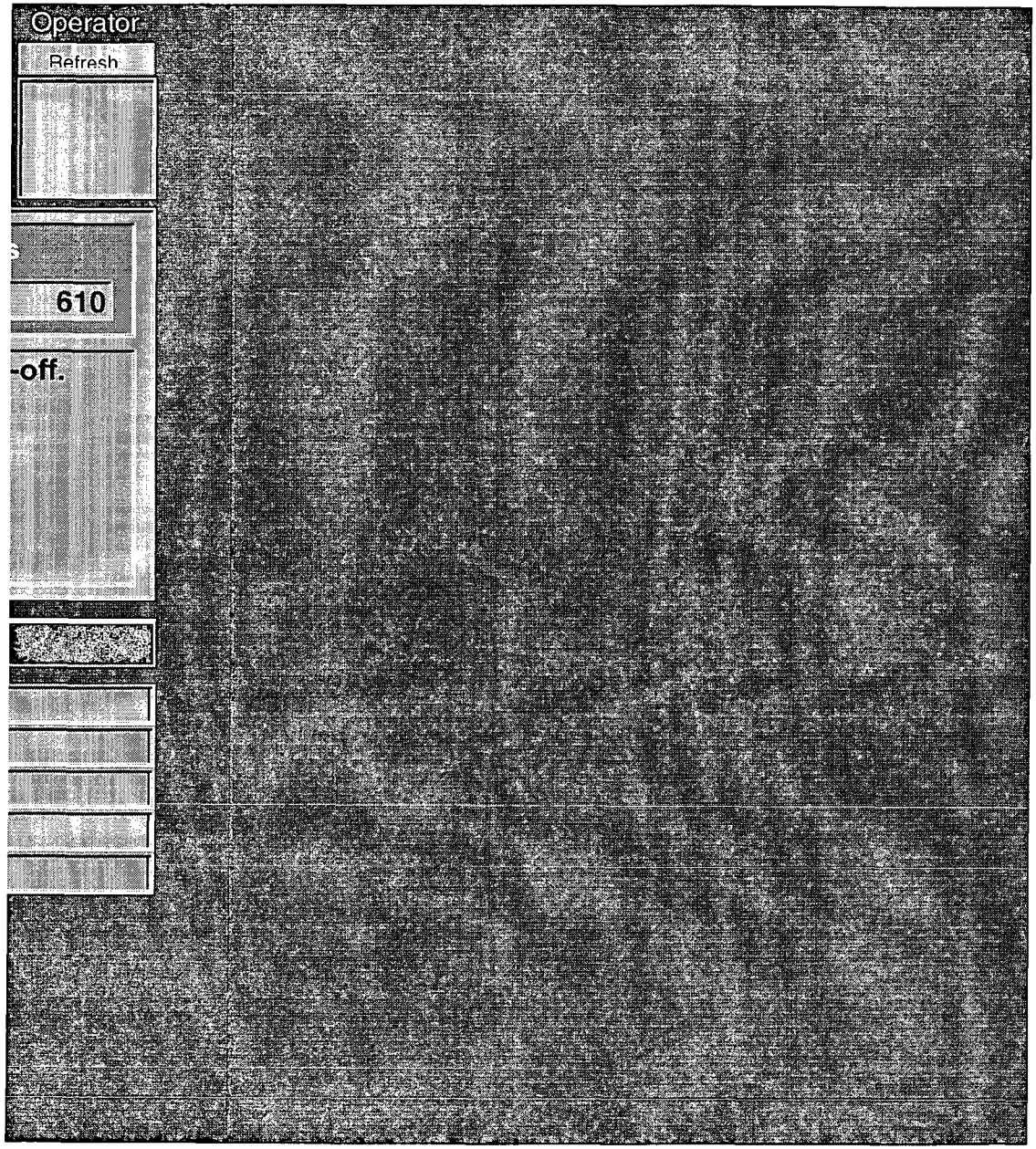
Repair Results:

Bradenhead Detail Section

SURF Press:	0	SURF Comment:	
INT 1 Press:	0	INT 1 Comment:	N/A
INT 2 Press:	0	INT 2 Comment:	N/A
PROD Press:	0	PROD Comment:	
TBG Press:	610	TBG Comment:	

Operator: **EOG RESOURCES INC**

Well Location: **N 14 22S 32E** County: **Lea**


Operator
Refresh
610
-off.

Well Name: **RED TANK BT FEDERAL** No. **002** Conducted by: **OCD**

API Well No: **30-025-08113-00-00** Test Date & Time: **12/31/03 0:00**

Test History for this Well - Click on Date to Open Record >>>

- 9/16/2005 5:02:44 P
- 12/29/2004 4:10:01 P
- 12/31/2003
- 3/26/2002 11:41:05 A

Pool No: **RED TANK;DELAWARE, WEST**

Dt Mod: 1/7/2004

Reason For Test: **Annual IMIT**

Test Used for IMIT: **Bradenhead Test**

Arrival Status: **Dynamic**

MIT Result: **Acceptable**

Witnessed? **Yes**

Name: **Gary Wink**

Permitted and Witnessed Pressures

Permit psi: **1150** Inject psi:

Notes

Test Failure Detail Section

Failure Type:

Failure Cause:

Repair Due Date: **04/11/04**

Date of Repair:

Repair Results:

Bradenhead Detail Section

SURF Press:	0	SURF Comment:	
INT 1 Press:	0	INT 1 Comment:	N/A
INT 2 Press:	0	INT 2 Comment:	N/A
PROD Press:	0	PROD Comment:	
TBG Press:	640	TBG Comment:	

Operator: **EOG RESOURCES INC**

Well Location: **N 14 22S 32E** County: **Lea**

Well Name: **RED TANK BT FEDERAL** No. **002** Conducted by: **OCD**

API Well No: **30-025-08113-00-00** Test Date & Time: **03/01/01 13:38**

Pool No: **RED TANK;DELAWARE, WEST**

Test History for this Well - Click on Date to Open Record >>>

- 9/16/2005 5:02:44 P
- 12/29/2004 4:10:01 P
- 12/31/2003
- 3/26/2002 11:41:05 A

Dt Mod: 3/1/2001

Reason For Test: **Annual IMIT**

Test Used for IMIT: **Bradenhead Test**

Arrival Status: **Dynamic**

MIT Result: **Acceptable**

Witnessed? **Yes**

Name: **Buddy Hill**

Permitted and Witnessed Pressures

Permit psi: **1150** Inject psi:

Notes

Test Failure Detail Section

Failure Type:

Failure Cause:

Repair Due Date: **06/04/01**

Date of Repair:

Repair Results:

Bradenhead Detail Section

SURF Press:	0	SURF Comment:	
INT 1 Press:	0	INT 1 Comment:	N/A
INT 2 Press:	0	INT 2 Comment:	N/A
PROD Press:	420	PROD Comment:	Blow,WATER
TBG Press:	660	TBG Comment:	

Operator: **EOG RESOURCES INC**

Well Location: **N 14 22S 32E** County: **Lea**

Well Name: **RED TANK BT FEDERAL** No. **002** Conducted by: **OCD**

API Well No: **30-025-08113-00-00** Test Date & Time: **03/13/00 11:39**

Pool No: **RED TANK;DELAWARE, WEST**

Dt Mod: 3/13/2000

Test History for this Well - Click on Date to Open Record >>>

- 9/16/2005 5:02:44 P
- 12/29/2004 4:10:01 P
- 12/31/2003
- 3/26/2002 11:41:05 A

Reason For Test: **Annual IMIT**

Test Used for IMIT: **Bradenhead Test**

Arrival Status: **Dynamic**

MIT Result: **Acceptable**

Witnessed? **Yes**

Name: **Buddy Hill**

Permitted and Witnessed Pressures

Permit psi: **1150** Inject psi:

Notes

Test Failure Detail Section

Failure Type:

Failure Cause:

Repair Due Date: **06/16/00**

Date of Repair:

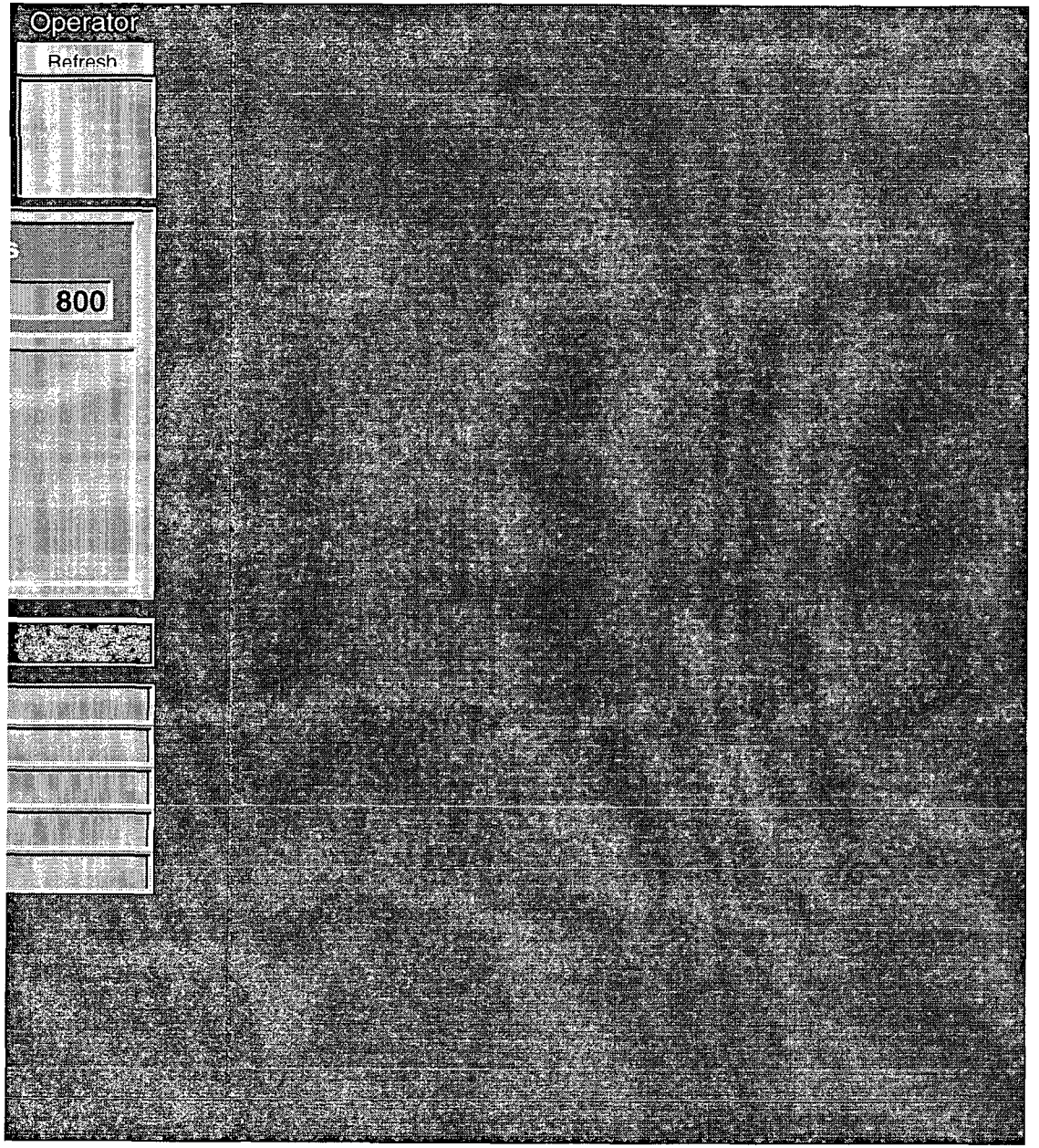
Repair Results:

Bradenhead Detail Section

SURF Press:	0	SURF Comment:	
INT 1 Press:	0	INT 1 Comment:	
INT 2 Press:	0	INT 2 Comment:	
PROD Press:	0	PROD Comment:	Puff
TBG Press:	800	TBG Comment:	

Operator: **EOG RESOURCES INC**

Well Location: **N 14 22S 32E** County: **Lea**


Operator
Refresh
800

Well Name: **RED TANK BT FEDERAL** No: **002** Conducted by: **OCD**

API Well No: **30-025-08113-00-00** Test Date & Time: **03/12/99 0:00**

Test History for this Well - Click on Date to Open Record >>>

- 9/16/2005 5:02:44 P
- 12/29/2004 4:10:01 P
- 12/31/2003
- 3/26/2002 11:41:05 A

Pool No: **RED TANK;DELAWARE, WEST**

Dt Mod: 3/30/1999

Reason For Test: **5-year Test**

Test Used for IMIT: **Std. Annulus Pres. Test**

Arrival Status: **Static**

MIT Result: **Acceptable**

Witnessed? **Yes**

Name:

Permitted and Witnessed Pressures

Permit psi: **1150** Inject psi:

Notes: **Test Successful. Very slight (<10%) bleed**

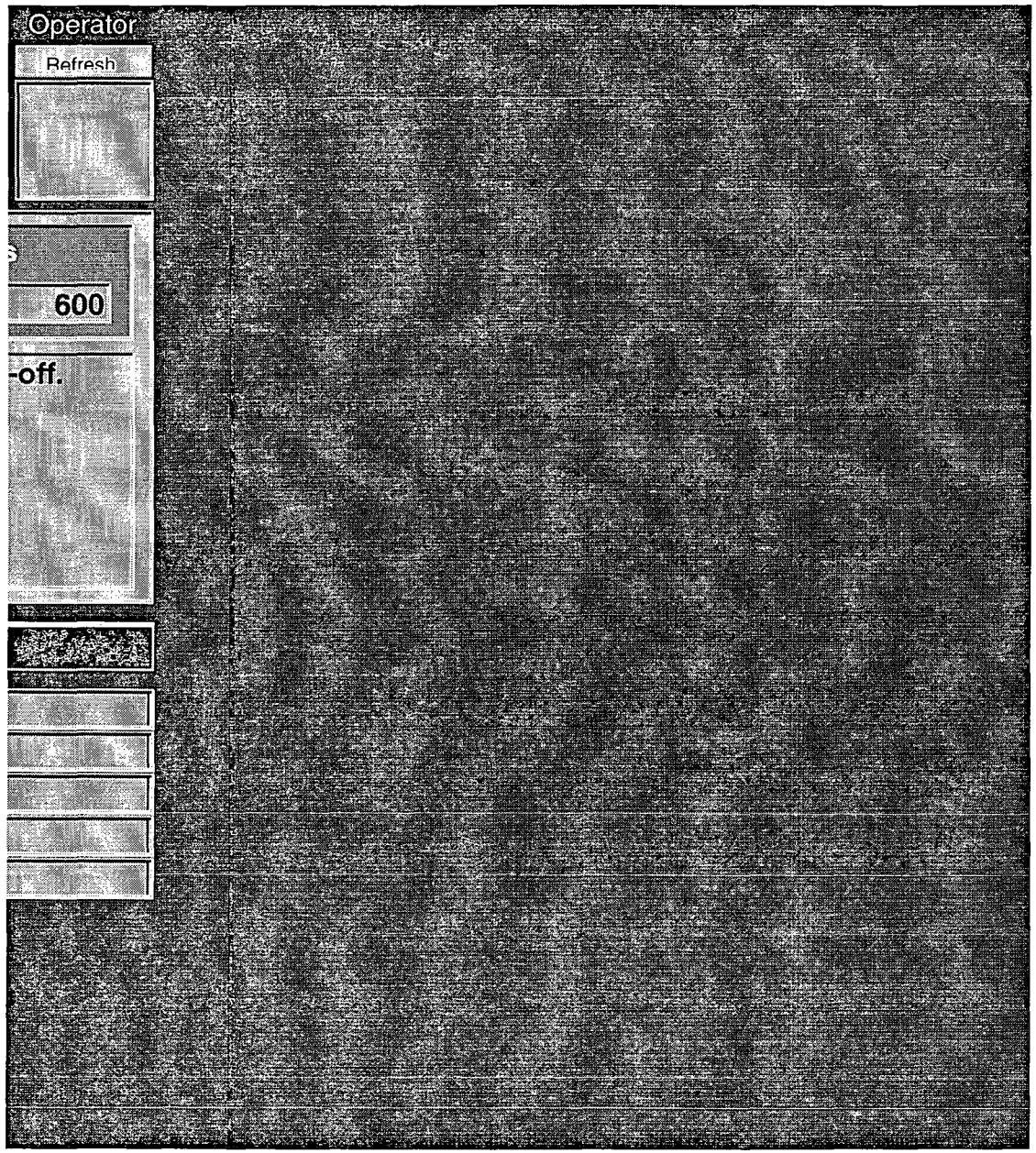
Test Failure Detail Section

Failure Type:	
Failure Cause:	
Repair Due Date:	07/03/99
Date of Repair:	
Repair Results:	

Bradenhead Detail Section

SURF Press:	0	SURF Comment:	
INT 1 Press:	0	INT 1 Comment:	
INT 2 Press:	0	INT 2 Comment:	
PROD Press:	0	PROD Comment:	tstm show of water
TBG Press:	0	TBG Comment:	

Operator: **EOG RESOURCES INC** Well Location: **N 14 22S 32E** County: **Lea**


Operator
Refresh
600
-off.

Well Name: **RED TANK BT FEDERAL** No: **002** Conducted by: **OCD**

API Well No: **30-025-08113-00-00** Test Date & Time: **03/26/02 11:41**

Pool No: **SWD;DELAWARE**

Dt Mod: 3/26/2002

Test History for this Well - Click on Date to Open Record >>>

- 9/16/2005 5:02:44 P
- 12/29/2004 4:10:01 P
- 12/31/2003
- 3/26/2002 11:41:05 A

Reason For Test

Annual IMIT

Test Used for IMIT

Bradenhead Test

Arrival Status: **Dynamic**

MIT Result: **Acceptable**

Witnessed? **Yes**

Name: **Buddy Hill**

Permitted and Witnessed Pressures

Permit psi: **1150** Inject psi:

Notes

Test Failure Detail Section

Failure Type:

Failure Cause:

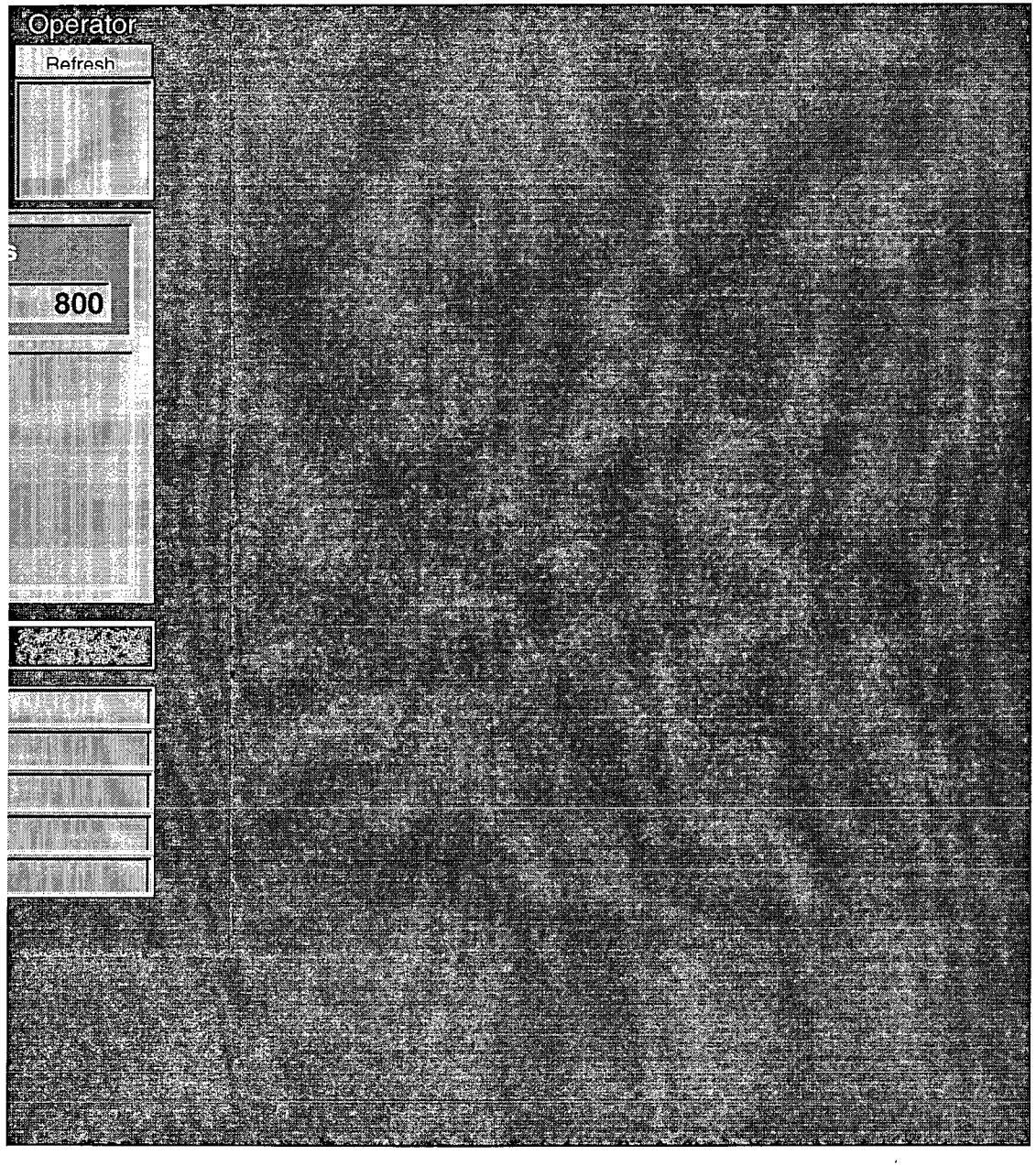
Repair Due Date: **06/29/02**

Date of Repair:

Repair Results:

Bradenhead Detail Section

SURF Press:	0	SURF Comment:	
INT 1 Press:	0	INT 1 Comment:	N/A
INT 2 Press:	0	INT 2 Comment:	N/A
PROD Press:	0	PROD Comment:	
TBG Press:	800	TBG Comment:	


Operator
Refresh
800

30-025-08113

SWD-560 2-27-95 Bell Canyon 4900-6080 PKR 4800'
980 psi

SWD-560 Lower Bell Canyon 5750-6080
5650 pkr 1150 psi

LE

(N) 14-22S-32 30-025-08113

Red Tank BT Federal #2

OPER. OGRID NO. 36485

PROPERTY NO. 14795

POOL CODE 96100

EFF. DATE 7-1-94

API NO. 30-025-08113

OIL POD

GAS POD

TRANSPORTER

TRANSPORTER

TRANSPORTER

WATER POD

"TUFTEAR"
FOLDER
TO RE-ORDER SPECIFY
No. 32⅓ FOLDER
MADE IN U. S. A.

A-621

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-104
Revised March 25, 1999

Submit to Appropriate District Office
5 Copies

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

[1] Operator name and Address	[2] OGRID Number
EOG Resources, Inc. P.O. Box 2267 Midland, TX 79702	7377
	[3] Reason for Filing Code Name chg only 3-1-00

[4] API Number	[5] Pool Name	[6] Pool Code
30-025-08113	Red Tank Delaware (West)	51689
[7] Property Code ~~14795~~ 25894	[8] Property Name Red Tank BT Federal	[9] Well Number 2

II. [10] Surface Location

UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West line	County
N	14	22S	32E		542	South	1958	West	Lea

[11] Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West line	County

[12] Lse Code	[13] Producing Method Code	[14] Gas Connection Date	[15] C-129 Permit Number	[16] C-129 Effective Date	[17] C-129 Expiration Date

III. Oil and Gas Transporters

[18] Transporter OGRID	[19] Transporter Name and Address	[20] POD	[21] O/G	[22] POD ULSTR Location and Description
		2812333		

IV. Produced Water

[23] POD	[24] POD ULSTR Location and Description

V. Well Completion Data

[25] Spud Date	[26] Ready Date	[27] TD	[28] PBTD	[29] Perforations	[30] DHC, MC

[31] Hole Size	[32] Casing and Tubing Size	[33] Depth Set	[34] Sacks Cement

VI. Well Test Data

[35] Date New Oil	[36] Gas Delivery Date	[37] Test Date	[38] Test Length	[39] Tbg. Pressure	[40] Csg. Pressure
[41] Choke Size	**[42] Oil**	**[43] Water**	**[44] Gas**	**[45] AOF**	**[46] Test Method**

[47] I hereby certify that the rules of the Oil Conservation Division have been compiled with and that the information given above is true and complete to the best of my knowledge and belief.

Signature: Mike Francis

Printed Name: Mike Francis

Title: Agent

Date: 5/9/00 Phone: 915-686-3714

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date:

[48] If this is a change of operator fill in the OGRID number and name of the previous operator

Previous Operator Signature	Printed Name	Title	Date

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-104
Revised March 25, 1999

Submit to Appropriate District Office
5 Copies

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

1 Operator name and Address	2 OGRID Number
EOG Resources, Inc. P. O. Box 2267 Midland, Texas 79702	7377 3 Reason for Filing Code CH 3-1-2000

4 API Number	5 Pool Name	6 Pool Code
30-0 25-08113	SWD ~~Red Tank~~; Delaware, ~~West~~	96100 ~~51689~~

7 Property Code	8 Property Name	9 Well Number
~~14795~~ 25014	Red Tank Federal	2

II. 10 Surface Location

UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West line	County
N	14	22S	32E		542	South	1958	West	Lea

11 Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West line	County

12 Lse Code	13 Producing Method Code	14 Gas Connection Date	15 C-129 Permit Number	16 C-129 Effective Date	17 C-129 Expiration Date
F	SWD				

III. Oil and Gas Transporters

18 Transporter OGRID	19 Transporter Name and Address	20 POD	21 O/G	22 POD ULSTR Location and Description
[redacted]		2812333	D	SWD
[redacted]		[redacted]		
[redacted]		[redacted]		
[redacted]		[redacted]		

IV. Produced Water

23 POD	24 POD ULSTR Location and Description

V. Well Completion Data

25 Spud Date	26 Ready Date	27 TD	28 PBTD	29 Perforations	30 DHC, MC

31 Hole Size	32 Casing & Tubing Size	33 Depth Set	34 Sacks Cement

VI. Well Test Data

35 Date New Oil	36 Gas Delivery Date	37 Test Date	38 Test Length	39 Tbg. Pressure	40 Csg. Pressure

41 Choke Size	42 Oil	43 Water	44 Gas	45 AOF	46 Test Method

47 I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.	OIL CONSERVATION DIVISION
Signature: Mike Francis	Approved by:
Printed name: Mike Francis	Title:
Title: Agent for EOG Resources, Inc.	Approval Date:
Date: 3-2-00 Phone: 915-686-3714	

48 If this is a change of operator fill in the OGRID number and name of the previous operator

Previous Operator Signature	Printed Name	Title	Date
	OGRID #26485, Burlington Resources Oil & Gas Co. Rick Gallegos, Landman		2/28/00

40092A

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
811 S. 1st Street, Artesia, NM 88210-2834
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, NM 87504-2088

Form C-104
Revised February 10, 1994
Instructions on back
Submit to Appropriate District Office
5 Copies

☐ **AMENDED REPORT**

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

Operator name and Address	OGRID Number
Burlington Resources Oil and Gas Company P.O. Box 51810 Midland, TX 79710-1810	026485
	Reason for Filing Code: AO&AG 11-1-96 CH 8-1-96

API Number	Pool Name	Pool Code
30-025- 08113	~~Red Tank Delaware, West~~ South Delaware	~~51689~~ 96100

Property Code	Property Name	Well Number
014795	RED TANK FEDERAL ~~SWD~~	2

II. Surface Location

UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West line	County
N	14	022S	032E		542	S	1958	W	LEA

Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West line	County

Lse Code	Producing Method Code	Gas Connection Date	C-129 Permit Number	C-129 Effective Date	C-129 Expiration Date
FED	injector				

III. Oil and Gas Transporters

Transporter OGRID	Transporter Name and Address	POD	O/G	POD ULSTR Location and Description
37480	EOTT Energy	2812333	O	
9171	GPM Gas Corp.		G	

IV. Produced Water

POD	POD ULSTR Location and Description

V. Well Completion Data

Spud Date	Ready Date	TD	PBTD	Perforations

Hole Sie	Casing & Tubing Size	Depth Set	Sacks Cement

VI. Well Test Data

Date New Oil	Gas Delivery Date	Test Date	Test Length	Tbg. Pressure	Csg. Pressure

Choke Size	Oil	Water	Gas	AOF	Test Method

I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature: Alyson L. McInturff
Printed name: Alyson L. McInturff
Title: Acctg. Asst.
Date: 11-1-96 Phone: 915-688-6891

OIL CONSERVATION DIVISION

Approved by: ORIGINAL SIGNED BY JERRY SEXTON
DISTRICT I SUPERVISOR
Title:
Approval Date: JAN 06 1997

If this is a change of operator fill in the OGRID number and name of the previous operator

Previous Operator Signature: Alyson L. McInturff | Printed Name: Meridian Oil Inc. OGRID #026485 | Title: Acctg. Asst. | Date: 10-3-96

mp

N.M. OIL CONS. COMMISSION
P.O. BOX 1980
HOBBS, NEW MEXICO 88240

Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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

1. Type of Well
[X] Oil Well [ ] Gas Well [X] Other Disposal

2. Name of Operator
MERIDIAN OIL INC.

3. Address and Telephone No.
P.O. Box 51810, Midland, TX 79710-1810 915-688-6943

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
542' FSL & 1958' FWL
SEC. 14, T22S, R32E

5. Lease Designation and Serial No.
NM 77058

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.
RED TANK FEDERAL NO. 2SWD

9. API Well No.
30-025-08113

10. Field and Pool, or exploratory Area
~~WEST RED TANK DEL/LBC~~ SWD

11. County or Parish, State
LEA NM

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

TYPE OF SUBMISSION	TYPE OF ACTION	
[ ] Notice of Intent	[ ] Abandonment	[ ] Change of Plans
[X] Subsequent Report	[ ] Recompletion	[ ] New Construction
[ ] Final Abandonment Notice	[ ] Plugging Back	[ ] Non-Routine Fracturing
	[ ] Casing Repair	[ ] Water Shut-Off
	[ ] Altering Casing	[ ] Conversion to Injection
	[X] Other INJECTION INTERVALS	[ ] Dispose Water

(Note: Report results of multiple completion on Well 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.)*

MERIDIAN OIL INC. AMENDED THE PERMIT SWD-560 - INJECTION INTERVALS ONLY TO 4900' - 6080-. (LOWER BELL CANYON)

REPERF'D WELL AS FOLLOWS:
3/3/95: RIH W/GUN, PERF 4 JSFP @ 5382'-5602' (769 HOLES)
3/4/95: PMPED 250 GLS XYLENE & 250 GLS ACID WASH ACROSS PERFS. ACIDZED PERFS W/12000 GLS 15%NEFE HCL RESI-SOL ACID.
3/5/95: RESET PKR @ 5342'. TURNED BACK TO INJECTION.

ACCEPTED FOR RECORD
A. Lara
6 1995
CARLSBAD, NEW MEXICO

14. I hereby certify that the foregoing is true and correct
Signed _____ Title REGULATORY ASSISTANT Date 3/14/95

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____
Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

* See Instruction on Reverse Side

GENERAL INSTRUCTIONS

This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

SPECIFIC INSTRUCTIONS

Item 4 - If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 13 - Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by local Federal and/or State offices. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.

NOTICE

The Privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 351 et. seq., 25 U.S.C. et. seq.; 43 CFR 3160.

PRINCIPAL PURPOSE - The information is to be used to evaluate, when appropriate, approve applications, and report completion of secondary well operation, on a Federal or Indian lease.

ROUTINE USES:

(1) Evaluate the equipment and procedures used during the proposed or completed subsequent well operations.

(2) Request and grant approval to perform those actions covered by 43 CFR 3162.3-2(2).

(3) Analyze future applications to drill or modify operations in light of data obtained and methods used.

(4)(5) Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions.

EFFECT OF NOT PROVIDING INFORMATION - Filing of this notice and report and disclosure of the information is mandatory once an oil or gas well is drilled.

The Paperwork Reduction Act of 1980 (44 U.S.C. 3501 et seq.) requires us to inform you that:

This information is being collected in order to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

This information will be used to report subsequent operations once work is completed and when requested, to obtain approval for subsequent operations not previously authorized.

Response to this request is mandatory only for the specific types of activities specified in 43 CFR Part 3160.

BURDEN HOURS STATEMENT

Public reporting burden for this form is estimated to average 25 minutes per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management, (Alternate) Bureau Clearance Officer, (WO-771), 18 and C Streets, N.W., Washington, D.C. 20240, and the Office of Management and Budget, Paperwork Reduction Project (1004-0135), Washington, D.C. 20503.

N.M. CONS. COMMISSION
P.O. BOX 1980
HOBBS, NEW MEXICO

Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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

1. Type of Well
☐ Oil Well ☐ Gas Well ☐ Other DISPOSAL

2. Name of Operator
MERIDIAN OIL INC.

3. Address and Telephone No.
P.O. Box 51810 Midland, TX 79710 915-688-6943

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
SEC. 14, T22S, R32E
542' FSL & 1958' FWL

5. Lease Designation and Serial No.
NM 77058

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No. RED TANK FEDERAL # 2 SWD

9. API Well No.
30-025-08113

10. Field and Pool, or Exploratory Area
~~WEST RED TANK DEL/LBO~~ SWD

11. County or Parish, State
LEA COUNTY, NM

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

TYPE OF SUBMISSION	TYPE OF ACTION	
☐ Notice of Intent	☐ Abandonment	☐ Change of Plans
☒ Subsequent Report	☐ Recompletion	☐ New Construction
☐ Final Abandonment Notice	☐ Plugging Back	☐ Non-Routine Fracturing
	☐ Casing Repair	☐ Water Shut-Off
	☐ Altering Casing	☐ Conversion to Injection
	☒ Other CASING INTEGRITY TEST	☐ Dispose Water

(Note: Report results of multiple completion on Well 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.)*
PLEASE FIND ATTACHED THE CHART FROM THE CASING INTEGRITY TEST. THE TEST WAS WITNESSED BY THE HOBBS/BLM OFFICE.

J. Lara

14. I hereby certify that the foregoing is true and correct
Signed DONNA WILLIAMS Title PRODUCTION ASSISTANT Date 7/15/94

(This space for Federal or State office use)

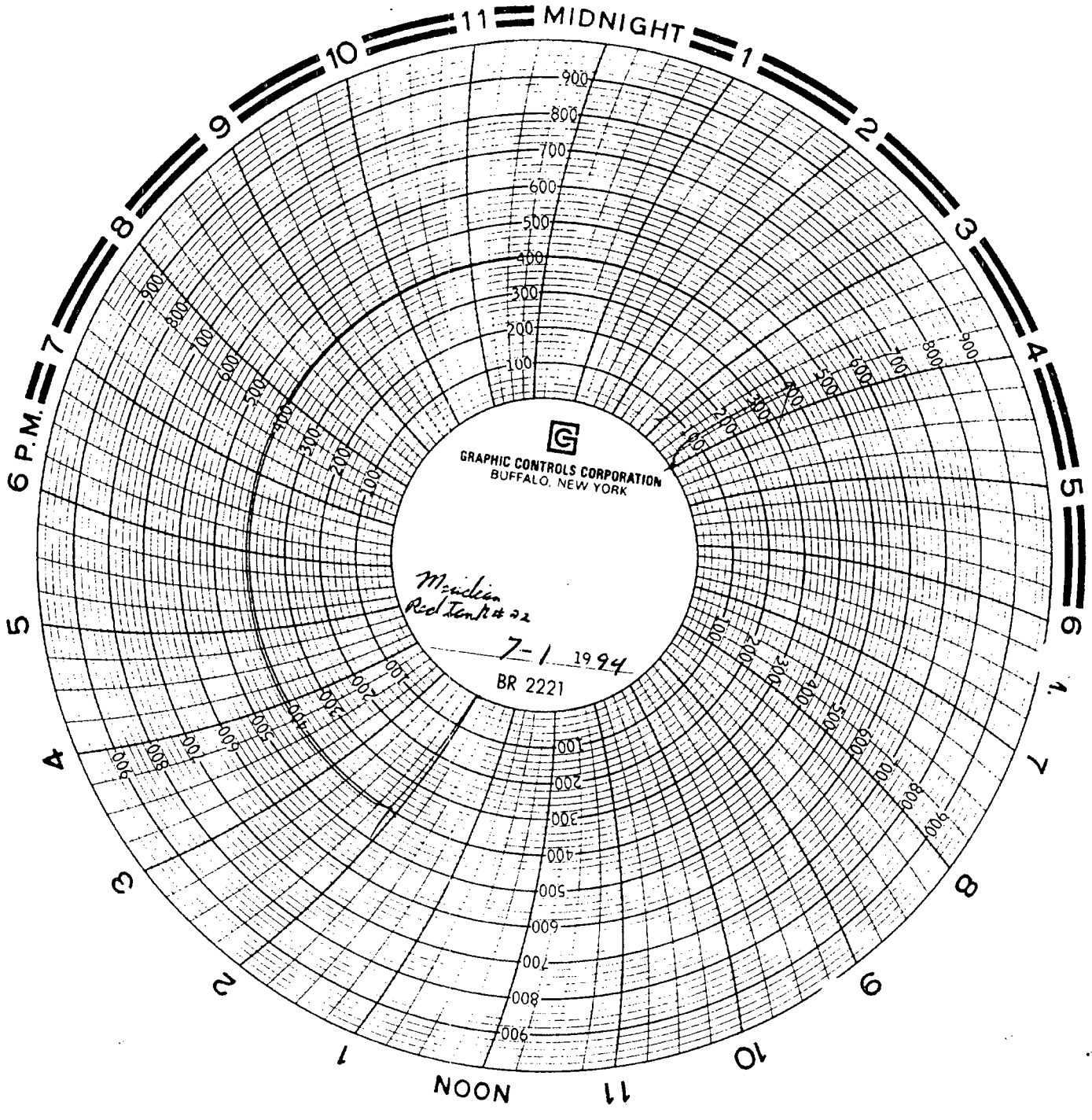
Approved by _____ Title _____ Date _____
Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

SWD-560

*See Instruction on Reverse Side

CEIVED
OFFICE


MIDNIGHT
NOON
6 P.M.
GRAPHIC CONTROLS CORPORATION
BUFFALO, NEW YORK
Meridian
Red Tank #22
7-1 1994
BR 2221

RECEIVED
AUG
OFFICE

Form 3160-4
(October 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

N.M. OIL CONS. COMMISSION
P.O. BOX 1980
HOBBS, NEW MEXICO 88240

FORM APPROVED
OMB NO. 1004-0137
Expires: December 31, 1991

5. LEASE DESIGNATION AND SERIAL NO.: NM 77058

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ DRY ☐ Other Disposal

b. TYPE OF COMPLETION: NEW WELL ☐ WORK OVER ☐ DEEP-EN ☒ PLUG BACK ☐ DIFF. RESVR. ☐ Other Re-entry

JUL 12 10 56 AM '94

7. UNIT AGREEMENT NAME:

2. NAME OF OPERATOR: Meridian Oil Inc.

8. FARM OR LEASE NAME, WELL NO.: Red Tank Federal # 2 SWD

3. ADDRESS AND TELEPHONE NO.: P.O. Box 51810 Midland, Texas 79710-1810

9. API WELL NO.: 30-025-08113

4. LOCATION OF WELL (*Report location clearly and in accordance with any State requirements*)*
At surface: 542' FSL & 1958' FWL
At top prod. interval reported below
At total depth

10. FIELD AND POOL, OR WILDCAT: ~~West Red Tank~~ Del/~~LBC~~

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: Sec. 14, T22S, R32E

14. PERMIT NO.	DATE ISSUED	12. COUNTY OR PARISH	13. STATE
---------	4/18/94	Lea	NM

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (*Ready to prod.*)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD
6/10/94	6/21/94	7/1/94		

20. TOTAL DEPTH, MD & TVD	21. PLUG, BACK T.D., MD & TVD	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
6167'	6109'		→	0-TD	

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*: 5744'-6066' (Lower Bell Canyon/Disposal Interval)

25. WAS DIRECTIONAL SURVEY MADE: No

26. TYPE ELECTRIC AND OTHER LOGS RUN: N/A

27. WAS WELL CORED: NO

28. CASING RECORD (*Report all strings set in well*)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8 5/8"	32#	312'	~~Unk.~~ 12¼	Unk. Quantity 150 cf	surf.
5 1/2"	15.5#	6167'	7 7/8"	1000 sxs-Orig. Compl.	surf.
				1477 sxs this re-entry	surf.

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 7/8"	5694'	5694'

31. PERFORATION RECORD (*Interval, size and number*): 5744'-6066' (4 jspf)

J. Lara 12 1994

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5744'-6066'	A w/1450 gls 7½% NEFE HCl

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (*Flowing, gas lift, pumping—size and type of pump*)	WELL STATUS (*Producing or shut-in*)
N/A		

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)

34. DISPOSITION OF GAS (*Sold, used for fuel, vented, etc.*): N/A

TEST WITNESSED BY:

35. LIST OF ATTACHMENTS: 3160-5(s), C-104

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Donna Williams TITLE Production Assistant DATE 7/15/94

*(See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
	0'	935'	Redbeds
Rustler	935'	1280'	Anhydrite
Salado	1280'	4440'	Salt, Anhydrite
Castille	4440'	4772'	Anhydrite
Delaware	4772'	TD	Sand, Shale, Limestone

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Rustler	935'	
Salado	1280'	
Castille	4440'	
Delaware	4772'	

RECEIVED
SEP 1 1994
OCD

Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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

5. Lease Designation and Serial No.: NM 77058

6. If Indian, Allottee or Tribe Name:

7. If Unit or CA, Agreement Designation:

1. Type of Well: ☐ Oil Well ☐ Gas Well ☐ Other DISPOSAL

8. Well Name and No.: RED TANK FEDERAL # 2 SWD

2. Name of Operator: MERIDIAN OIL INC.

9. API Well No.: 30-025-08113

3. Address and Telephone No.: P.O. Box 51810 Midland, TX 79710 915-688-6943

10. Field and Pool, or Exploratory Area: ~~WEST RED TANK DEL/LBG~~ SWD

4. Location of Well (Footage, Sec., T., R., M., or Survey Description): SEC. 14, T22S, R32E
542' FSL & 1958' FWL

11. County or Parish, State: LEA COUNTY, NM

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

TYPE OF SUBMISSION	TYPE OF ACTION	
☐ Notice of Intent	☐ Abandonment	☐ Change of Plans
☒ Subsequent Report	☐ Recompletion	☐ New Construction
☐ Final Abandonment Notice	☐ Plugging Back	☐ Non-Routine Fracturing
	☐ Casing Repair	☐ Water Shut-Off
	☐ Altering Casing	☐ Conversion to Injection
	☒ Other DEEPEN & SET CSG . R	☒ 6 Dispose Water

(Note: Report results of multiple completion on Well 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.)*

6/10/94: MIRU. SPUD. DRLD SURF. PLUG. TAG PLUG @ 330'-350'. FOUND HOLE IN CSG BETWEEN 100'-40'. SQZD W/ 150 SXS 'C' + 2% CACL2. CIRC. TO SURF. WOC 18 HRS. CONTINUED DRLG. RAN 143 JTS K-55 15.6# CSG TO 6215'. CMTED W/383 SXS 'C' + 3% CF-2 + 5% SALT + 1/4 PPS CF. BMP PLUG. CMT DIDNOT CIRC. CMT 2ND STAGE: 419 SXS 'C' LITE + 5% SALT + 1/4 PPS CELLOSEAL. CMT DIDNOT CIRC. CMT 3RD STAGE W/375 SXS 'C' LITE + 1% CSE + 3% T-LITE + 1% CACL2, TAIL W/100 SXS 'C' + 2% CACL2. DIDNOT CIRC. RAN CBL-GR-CCL-CNL. 1ST RUN 6167-5650 - GOOD CMT. RAN 6167-3134' - SHOWED LITTLE TO NO CMT FROM 3134'-2545'. GOOD CMT FROM 2545'-900', TOC @ 900'. FLUID LEVEL @ 120' FROM SURF. CMT 5 1/2" & 8 5/8" ANNULUS W/200 SXS 'C' NEAT. CIRC @ 5 SXS TO CELLAR. CMT @ 10'-12' FROM SURFACE.

Appears to have lost circulation in salt zone.
J. Lara

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

Signed DONNA WILLIAMS Title PRODUCTION ASSISTANT Date 7/15/94

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____
Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

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AUG
OCD HOBBS

Form 3160-3
(July 1992)

P.O. BOX 1980
HOBBS, NEW MEXICO 88240

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

FORM APPROVED
OMB NO. 1004-0136
Expires: February 28, 1995

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

5. LEASE DESIGNATION AND SERIAL NO.: NM ~~36817~~ 77058

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

1a. TYPE OF WORK: DRILL ☐ RE-ENTER/DEEPEN ☒

7. UNIT AGREEMENT NAME:

b. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ OTHER SWD ~~RE-ENTRY P&A~~ SINGLE ZONE ☒ MULTIPLE ZONE ☐

8. FARM OR LEASE NAME: RED TANK FEDERAL

2. NAME OF OPERATOR: MERIDIAN OIL INC.

9. WELL NO.: # 2 SWD

3. ADDRESS AND TELEPHONE NO.: P.O. BOX 51810, MIDLAND, TX 79710 915-688-6943

10. FIELD AND POOL, OR WILDCAT: WEST RED TANK DEL/LBC

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface: 542' FSL & 1958' FWL'
At proposed prod. zone
SWD IS: Subject to Like Approval By State

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: SEC. 14, T22S, R32E

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*: 43.4 MILES SOUTHWEST OF EUNICE

12. COUNTY OR PARISH: LEA

13. STATE: NM

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)	16. NO. OF ACRES IN LEASE	17. NO OF ACRES ASSIGNED TO THIS WELL
542'	240	N/A

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.	19. PROPOSED DEPTH	20. ROTARY OR CABLE TOOLS
213'	6100'	ROTARY

21. ELEVATIONS (Show Whether DF, RT, GR, ETC.): Carlsbad Controlled Water Basin

22. APPROX. DATE WORK WILL START: UPON APPROVAL

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
UNKNOWN	8 5/8" J-55	32#	312'	UNKNOWN/TOC @ SURFACE
7 7/8"	5 1/2" K-55	15.5#	6100'	1000 SXS - CIRC TO SURF

RE-ENTRY OF P&A'D WELL FROM 1962. SEE ATTACHED.
1. MIRU DRILLING RIG.
2. TIE BACK EXISTING 8 5/8" CASING TO WH AND NU BOP. 3. PU 7 7/8" BIT ON DRILL STRING. TIH AND DRILL OUT CMT PLUGS @ 290, 950, 1200, AND 4750. CLEAN OUT TO TD @ 5025'. CIRCULATE HOLE CLEAN.
4. DRILL NEW 7 7/8" HOLE TO 6100'.
5. RUN CNL/GR LOG
6. RUN 5 1/2" K-55 LTC CASING TO TD/CMT BACK TO SURFACE IN 2 STAGE.
7. ND BOP/NU WELLHEAD. RDMO
8. MIRU COMPLETION RIG. 9. DRILL OUT DV TOOL/CLEAN OUT TO PBTD.
10. PERFORATE DELAWARE 5350-6000 (2 SPF). ACIDIZE W/3000 GL 7 1/2% NEFE HCL ACID.
11. SET INJECTION PACKER ON 2 7/8" IPC TBG AT 5256. 12. RDMO COMPLETION RIG. TURN TO INJECTION.

APPLICATION FOR INJECTION PERMIT IN PROCESS OF BEING APPLIED FOR.

Approval Subject to General Requirements and Special Stipulations Attached

OPER. OGRID NO. 014538
PROPERTY NO. 13580
POOL CODE 51689
EFF. DATE MAR 14 1994
API NO. 30-025-28113

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED [signature] TITLE PRODUCTION ASSISTANT DATE 3/17/94

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY (acting) TITLE AREA MANAGER DATE APR 18 1994

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

APR 2 0 1994

OFFICE

Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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

1. Type of Well
☐ Oil Well ☐ Gas Well ☐ Other RE-ENTRY OF P & A WELL

2. Name of Operator
MERIDIAN OIL INC.

3. Address and Telephone No.
P.O. Box 51810 Midland, TX 79710 915-688-6943

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
542' FSL & 1958 FWL
SEC. 14, T22S, R32E

5. Lease Designation and Serial No.
NM 35817

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No. RED TANK FEDERAL NO. 2 SWD

9. API Well No.

10. Field and Pool, or Exploratory Area
WEST RED TANK/LBC DELAW

11. County or Parish, State
LEA COUNTY, NM

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

TYPE OF SUBMISSION	TYPE OF ACTION	
☒ Notice of Intent	☐ Abandonment	☐ Change of Plans
☐ Subsequent Report	☐ Recompletion	☐ New Construction
☐ Final Abandonment Notice	☐ Plugging Back	☐ Non-Routine Fracturing
	☐ Casing Repair	☐ Water Shut-Off
	☐ Altering Casing	☐ Conversion to Injection
	☒ Other EXPLANATION OF DIFF. FOOTAGES	☐ Dispose Water

(Note: Report results of multiple completion on Well 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.)*

IN 1962, WHEN WELL WAS ORIGINALLY DRILLED, THE RECORDED FOOTAGES WERE 660' FSL & 1980' FWL. WE HAD THIS LOCATION SURVEYED IN THREE (3) TIMES AND FOUND THE CORRECT FOOTAGES TO BE 542' FSL & 1958' FWL. THIS IS PROBABLY DUE TO THE TECHNOLOGY OF SURVEYING THAT HAS OCCURRED SINCE 1962.

WE REQUEST TO CHANGE THE FOOTAGES TO THE CURRENT APPLIED FOR LOCATION.

Upon successful completion of SWD project, will file a Method of Water Disposal on each well that is disposing of water in the Red Tank Federal No. 2 SWD.

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

Signed DONNA WILLIAMS Title PRODUCTION ASSISTANT Date 3/17/93

(This space for Federal or State office use)

Approved by Ron Denton Title (acting) AREA MANAGER Date APR 18 1994
Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

APR 2 1 1994

OFFICE

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form C-102
Revised February 10, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

[1] API Number	[2] Pool Code	[3] Pool Name
		Red Tank (Lower Bell Canyon Delaware)

[4] Property Code	[5] Property Name	[6] Well Number
	RED TANK UNIT FEDERAL	2

[7] OGRID No.	[8] Operator Name	[9] Elevation
26485	MERIDIAN OIL INC.	3733

[10] Surface Location

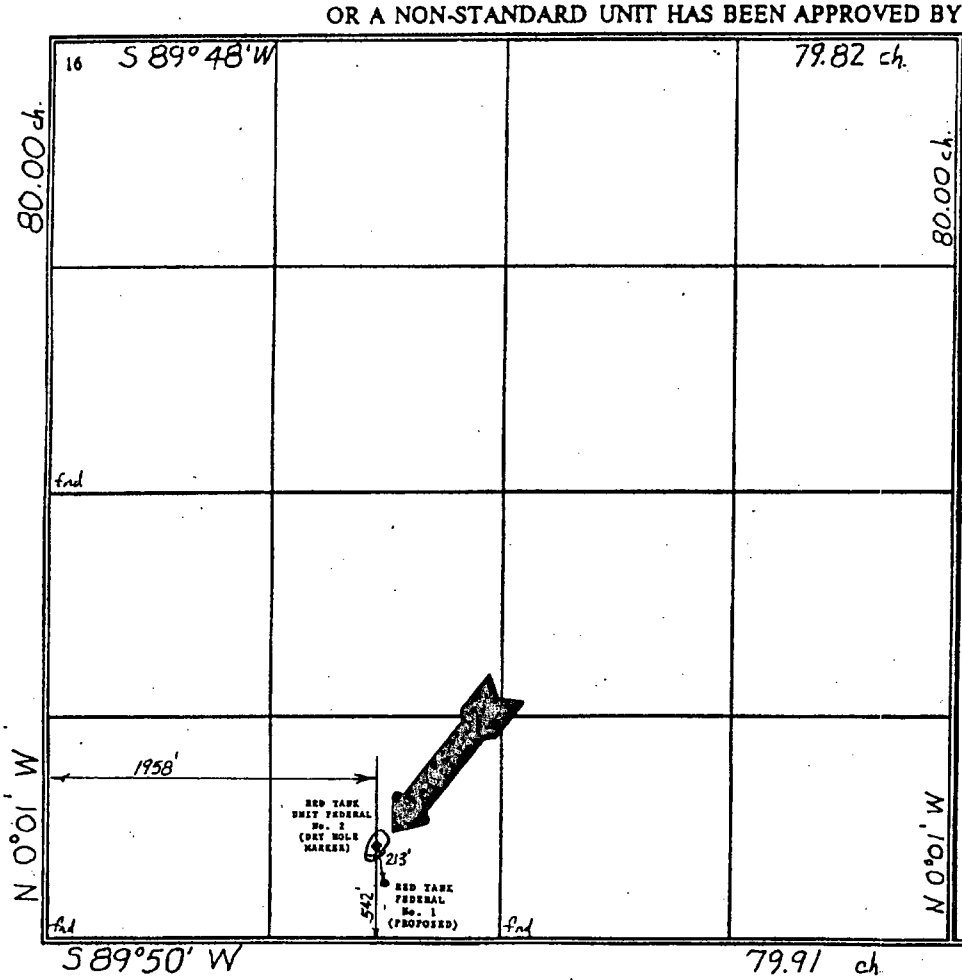
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	14	22 S	32 E		542	SOUTH	1958	WEST	LEA

[11] Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Same As Surface									

[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



[17] OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief

Signature

Donna Williams
Printed Name

Production Assistant
Title

3/30/94
Date

[18] SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

2-10-94
Date of Survey

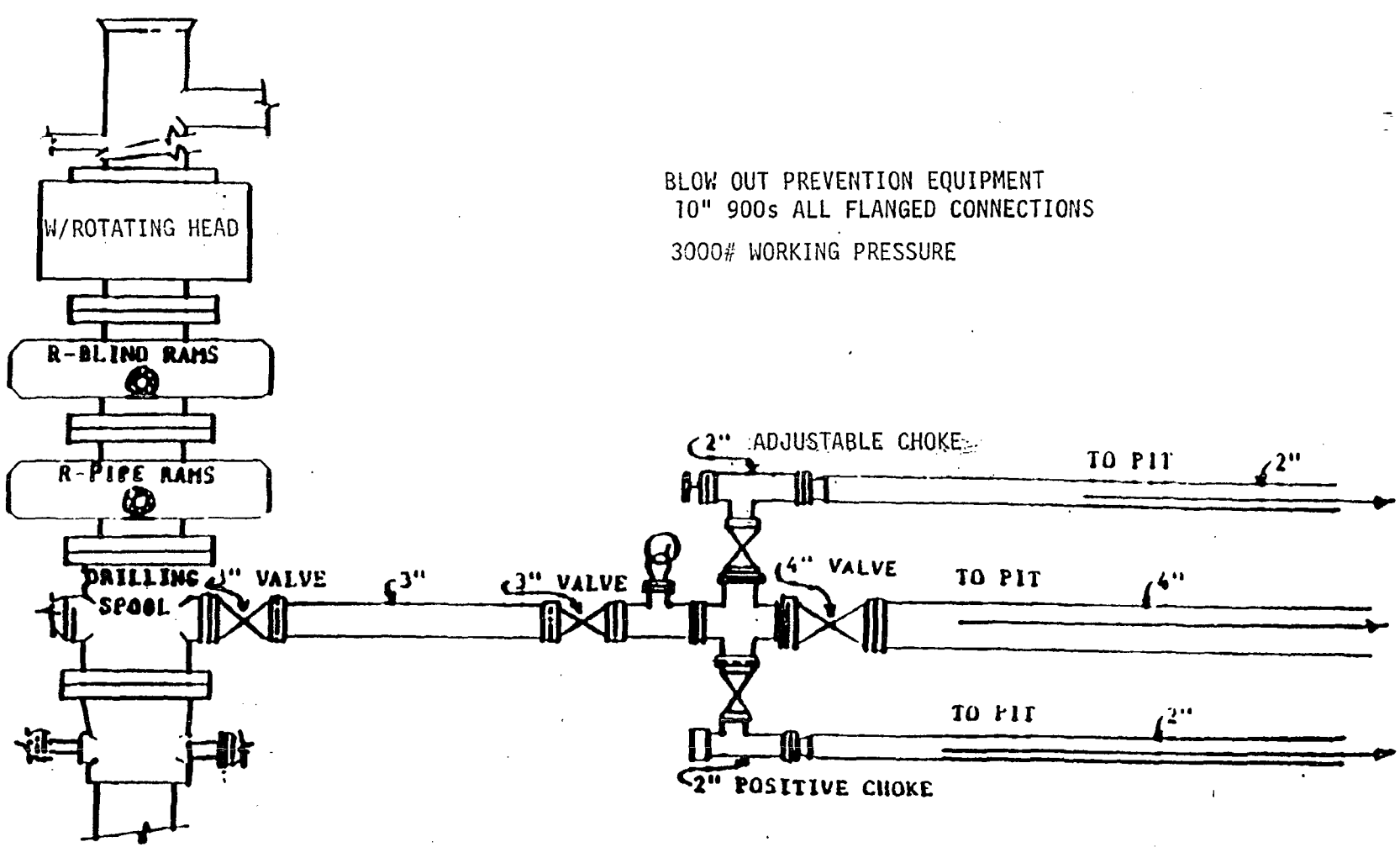
Signature and Seal of Professional Surveyor:

WILLIAM E. MAHNKE II
NEW MEXICO
8466
REGISTERED PROFESSIONAL LAND SURVEYOR

WILLIAM E. MAHNKE II
Certificate Number 8466

DOUBLE RAM

BLOW OUT PREVENTION EQUIPMENT
10" 900s ALL FLANGED CONNECTIONS
3000# WORKING PRESSURE



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OPERATORS NAME:	**Meridian Oil Inc.**
LEASE NAME AND WELL NO.:	**Red Tank Federal # 2 SWD**
LOCATION:	**542' FSL & 1958' FWL, Sec. 14, T22S, R32E**
FIELD NAME:	**West Red Tank Federal (Lower Bell Canyon Delaware)**
COUNTY:	**Lea County, NM**
LEASE NUMBER:	**NM 35817**

The following information is to supplement BLM form 3160-3 Application for permit to drill in accordance with Onshore Oil and Gas Order No. 1:

9 - POINT DRILLING PLAN

1. Name and estimated tops of important geologic formation/marker horizons.

FORMATION	DEPTH
Rustler	970'
T/Salt-B/Salt	1100'-4500'
Delaware	4850'
Bone Spring, LS/Sandstone	8730'

2. Estimated depths at which the top and bottom of formations potentially containing usable water, oil, gas, or prospectively valuable deposits of other minerals are expected to be encountered and the operator's plans for protecting such resources.

Lower Bell Canyon Delaware	5350-6000 (Disposal Interval)
*Not Productive of Hydrocarbons	

3. The operator's minimum specifications for Blowout Preventer (BOP) and related equipment to be used and schematic diagrams thereof showing sizes, pressure ratings, and the testing procedures and testing frequency. BOP and BOP - related equipment (BOPE) schematics shall include schematics of choke manifold equipment. Accumulator systems and remote controls shall be utilized.

   11" - 3M psi WP BOP stack to be installed on the 8 5/8" csg. The BOP stack will consist of one blind ram BOP, one pipe ram BOP, and a rotating head. Tested to 3000 psi before commencing operations.

4. The proposed casing program including size, grade, weights, type of thread and coupling, and the setting depth of each string and its condition (new or acceptably reconditioned). For exploratory wells, or for wells as otherwise specified by the authorized officer, the operator shall include the minimum design factors for tensions, burst, and collapse that are incorporated into the casing design. In cases where tapered casing strings are utilized, the operator shall also include and/or setting depths of each portion.

   See Exhibit 'A'

   - 8 5/8" 32# J-55 csg set @ 312'
   - 5 1/2" 15.5# K-55 csg set @ 6100'

5. The amount and type(s) of cement, including anticipated additives to be used in setting each casing string, shall be described. If stage cementing techniques are to be employed, the setting depth of the stage collars and amount and type of cement, including additives, and preflush amounts to be used in each stage, shall be given. The expected linear fill-up of each cemented string, or each stage when utilizing stage-cementing techniques, shall also be given.

   a. 8 5/8" 32# J-55 csg set @ 312'. Unknown amount of cement.

   b. 5 1/2" 15.5# K-55 csg set @ 6100'. Cmt first stage w/300 sxs Class 'C' Lite, tail w/200 sxs Class 'C' + 2% CaCl2. Second stage w/400 sxs Class 'C' Lite, tail w/100 sxs Class 'C' + 2% CaCl2. Circulate cement to surface.

6. The anticipated characteristics, additives, use, and testing of drilling mud to be employed, along with the types and quantities of mud products to be maintained, shall be given. When air or gas drilling is proposed, the operator shall submit the following specific information:

   Mud Program:
   utilize 10.0 ppg brine water
   at TD - add starch for water loss control

7. The anticipated testing, logging, and coring procedures to be used, including drill stem testing procedures, equipment, and safety measures.

   a. DST Program: None

   b. Core: None

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c. Mud Logging: None

d. Logs to be run: CNL/GR - 5025'-6100'

8. The expected bottom-hole pressure and any anticipated abnormal pressures, temperatures or potential hazards that are expected to be encountered, such as lost circulation zones and hydrogen sulfide. The operator's plans for mitigating such hazards shall be discussed. Should the potential to encounter hydrogen sulfide exist, the mitigation procedures shall comply with the provisions of Onshore Oil and Gas Order No. 6.

   No abnormal pressures are anticipated. Bottom hole pressures at TD expected to be 2600 psi. Bottom hole temperature 104° F. No Hydrogen Sulfide expected in this known drilling area.

9. Any other facets of the proposed operation which the operator wishes for BLM to consider in reviewing the application.

   Anticipated drilling time expected to be 5 days from surface to TD.

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Form 9-331a
(Feb. 1961)

	X		

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Budget Bureau No. 42-R358.4.
Form Approved.

Land Office New Mexico
Lease No. NM 03630
Unit N

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	
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	X
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)

Red Tank Unit — January 10, 19 63

Well No. 2 is located 660 ft. from {N/S} line and 1980 ft. from {E/W} line of sec. 14

SE/4 SW/4 14 — (¼ Sec. and Sec. No.)
22 S — (Twp.)
32 E — (Range)
NMP — (Meridian)
Wildcat — (Field)
Lea — (County or Subdivision)
New Mexico — (State or Territory)

The elevation of the derrick floor above sea level is 3725 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)

In accordance with Rule 30 CFR 221.58 (K) notice of intention to abandon has been sent in.

Total depth 5025'
Ran Schlumberger Sonic-Gamma Ray logs
Plugged and abandoned as follows:

Total depth to 4750'	75 sacks neat cement
1280' to 1200'	20 sacks neat cement
1030' to 950'	20 sacks neat cement
330' to 290'	20 sacks neat cement

10 sacks neat cement w/marker at surface. Heavy mud was used between cement plugs. 8 5/8" casing set at 312' was left in well, cemented to surface.

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

Company Casper Drilling Company, Inc.

Address 200 Casper Building
Artesia, New Mexico

By T. Marshall Hardy

Title Exec. Vice-President

GPO 914974

APPROVED

COPY TO

Budget Bureau No. 42-R358.4.
Form Approved.

Form 9-331a
(Feb. 1951)

DEC 1 3 1962

(SUBMIT IN TRIPLICATE)

Land Office New Mexico

Lease No. NM 03630

Unit N

E. W. STANDLEY
DISTRICT ENGINEER

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED
DEC 27 AM 9 45

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	
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	X		

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

December 10, 1962

Red Tank Unit

Well No. 2 is located 660 ft. from {N/S} line and 1980 ft. from {E/W} line of sec. 14

SE/4 SW/4 14 (¼ Sec. and Sec. No.) | 22S (Twp.) | 32E (Range) | NMP (Meridian)

Wildcat (Field) | Lea (County or Subdivision) | New Mexico (State or Territory)

The elevation of the derrick floor above sea level is 3725 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)

Total Depth 5025'.
We propose to plug and abandon this well as per telephone conversation between Mr. E. W. Standley and R. Boling 12-10-62 as follows:

Total depth to 4750'	75 sacks neat cement.
1280' to 1200'	20 sacks neat cement.
1030' to 950'	20 sacks neat cement
330' to 290'	20 sacks neat cement.

A 10 sack neat cement plug at surface with marker. Heavy mud will be used between plugs. 8 5/8" 32# J-55 casing will be left in hole set at 312', cemented to surface. The location will be cleaned and leveled when the pits are dry.

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

Company Carper Drilling Company, Inc.

Address 200 Carper Building

Artesia, New Mexico

By J. Marshall Lamb

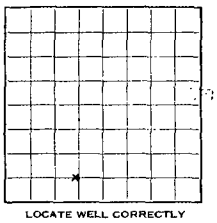
Title Executive Vice-president

GPO 914974

Form 9-330

Budget Bureau No. 42-R355.4.

U. S. LAND OFFICE New Mexico
SERIAL NUMBER NM 03630
LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

PLUGGED AND ABANDONED

LOG OF OIL OR GAS WELL

Company Carper Drilling Company, Inc. Address Artesia, New Mexico
Lessor or Tract Red Tank Unit Field Wildcat State New Mexico
Well No. 2 Sec. 14 T. 22S R. 32E Meridian NMP County Lea
Location 660 ft. [N.] of S. Line and 1980 ft. [E.] of W. Line of Section 14 Elevation 3725
(Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed [signature]

Date December 12, 1962 Title Exec. Vice-President

The summary on this page is for the condition of the well at above date.

Commenced drilling November 9, 1962 Finished drilling DECEMBER 10, 1962

OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from ..... to ..... No. 4, from ..... to .....
No. 2, from ..... to ..... No. 5, from ..... to .....
No. 3, from ..... to ..... No. 6, from ..... to .....

IMPORTANT WATER SANDS

No. 1, from ..... to ..... No. 3, from ..... to .....
No. 2, from ..... to ..... No. 4, from ..... to .....

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated From—	Perforated To—	Purpose
8 5/8	32	8	C.P.&I.	310	rnd.				surface

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8"	312	150	Pump & plug		

PLUGS AND ADAPTERS

Heaving plug—Material ..... Length ..... Depth set .....
Adapters—Material ..... Size .....

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

TOOLS USED

Rotary tools were used from 312 feet to 5025 feet, and from ..... feet to ..... feet
Cable tools were used from 0 feet to 312 feet, and from ..... feet to ..... feet

DATES

....., 19..... Put to producing ....., 19.....

The production for the first 24 hours was ..... barrels of fluid of which .....% was oil; .....% emulsion; .....% water; and .....% sediment. Gravity, °Bé .....

If gas well, cu. ft. per 24 hours ..... Gallons gasoline per 1,000 cu. ft. of gas .....

Rock pressure, lbs. per sq. in. .....

EMPLOYEES

Cable Tools-Apache Drlg. Co., Driller ....., Driller
Rotary Tools-Buffalo Drlg. Co., Driller ....., Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	950	950	Red beds
950	1205	255	Anhyd. w/salt & rd.sh. stringers
1205	3610	2405	Salt w/anhyd. stringers
3610	4340	730	Anhyd. & gyp
4340	4365	25	Salt
4365	4420	55	Anhyd.
4420	4450	30	Salt
4450	4780	330	Anhyd.
4780	4848	68	Lime w/interbedded sh & sd
4848	4891	43	Sd.
4891	4902	11	Lime
4902	5030	28	Sd. w/occasional lime stringers
T. Anhyd.	950		
T. Salt	1205		
B. Salt	3310		
T. Del. ls.	4780		
T. Del. sd.	4848		

AT THE TIME OF ABANDONMENT THIS WELL WAS MAKING ABOUT [illegible] BARRELS OF WATER PER HOUR.

FOLD | MARK

(OVER)

16—43064-6

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

16—42004-2 U. S. GOVERNMENT PRINTING OFFICE

HISTORY OF OIL OR GAS WELL

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

Well was plugged and abandoned as follows:

5025' to 4750'	75 sacks neat cement
1280' to 1200'	20 sacks neat cement
1030' to 950'	20 sacks neat cement
330' to 290'	20 sacks neat cement

10 sacks neat cement at surface w/marker
Heavy mud was used between plugs.

APPROVED

NOV 9 1962

E. W. STANDLEY
DISTRICT ENGINEER

Form 9-331a
(Feb. 1951)

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

1962 NOV 13 AM 10 06

RECEIVED
NOV 8 1962
U.S. GEOLOGICAL SURVEY
HOBBS, NEW MEXICO

Budget Bureau No. 42-R358.4.
Approved.
Land Office New Mexico
Lease No. NM 03630
Unit N

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	X	SUBSEQUENT REPORT OF WATER SHUT-OFF	
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)

Red Tank Unit November 6, 19 62

Well No. 2 is located 660 ft. from {N/S} line and 1980 ft. from {E/W} line of sec. 14

SE/4 SW/4 14 (¼ Sec. and Sec. No.) 22 S (Twp.) 32 E (Range) NMP (Meridian)

Wildcat (Field) Lea (County or Subdivision) New Mexico (State or Territory)

The elevation of the derrick floor above sea level is ____ 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)

We propose to drill a 5100' Delaware Sand test as follows: Cable Tool from surface to 300'. Set 8 5/8" casing at 300' and circulate cement.

Rotary tool from 300' to an approximate total depth of 5100' unless commercial production is found at a lesser depth. A string of 4 1/2" casing cemented to above the base of salt will be set if commercial production is found.

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

Company Carper Drilling Company, Inc.

Address 200 Carper Building

Artesia, New Mexico

By J. Marshall Hawk

Title Exec. Vice-President

GPO 914974

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OPERATOR		

NEW MEXICO OIL CONSERVATION COMMISSION

FORM C-128
Revised 5/1/57

WELL LOCATION AND ACREAGE DEDICATION PLAT

SEE INSTRUCTIONS FOR COMPLETING THIS FORM ON THE REVERSE SIDE

HOBBS OFFICE OCC

1962 NOV 13 AM 10 06

SECTION A

Operator	Lease	Well No.
Carper Drilling Company, Inc.	Federal Red Tank Unit	2

Unit Letter	Section	Township	Range	County
H	14	T-22-S	R-32-E	Lea

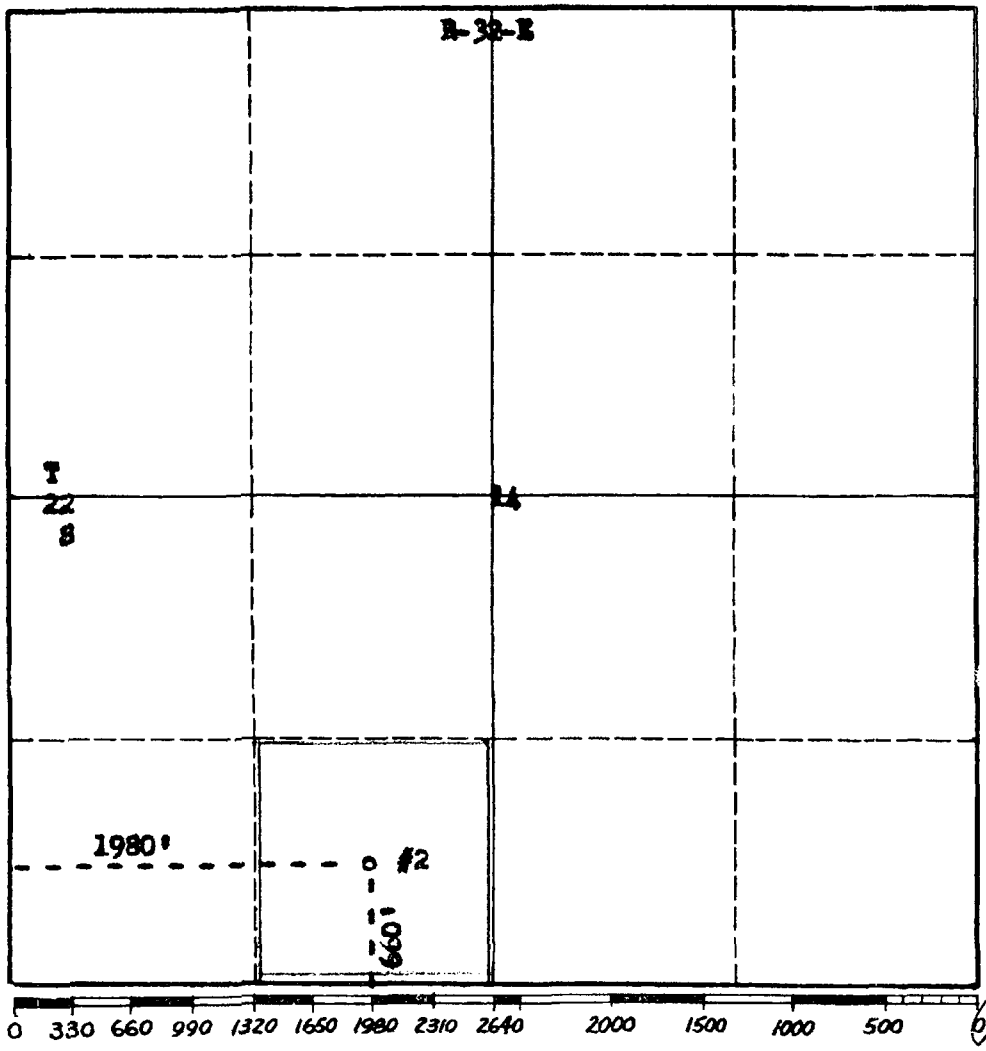
Actual Footage Location of Well:
660 feet from the South line and 1980 feet from the West line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
3723	Delaware	Wildcat	40 Acres

1. Is the Operator the only owner in the dedicated acreage outlined on the plat below? YES X NO _____. *("Owner" means the person who has the right to drill into and to produce from any pool and to appropriate the production either for himself or for himself and another. (65-3-29 (e) NMSA 1935 Comp.)*
2. If the answer to question one is "no," have the interests of all the owners been consolidated by communitization agreement or otherwise? YES_____ NO _____. If answer is "yes," Type of Consolidation _____
3. If the answer to question two is "no," list all the owners and their respective interests below:

Owner	Land Description

SECTION B



CERTIFICATION

I hereby certify that the information in *SECTION A* above is true and complete to the best of my knowledge and belief.

Name: Maurice Lowy

Position: Exec. Vice-Pres.

Company: Carper Drilling Co., Inc.

Date: 11-7-62

I hereby certify that the well location shown on the plat in *SECTION B* was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed: November 7, 1962

Registered Professional Engineer and/or Land Surveyor

James H. Brown

Certificate No. 542

INSTRUCTIONS FOR COMPLETION OF FORM C-128

1. Operator shall furnish and certify to the information called for in Section A.

2. Operator shall outline the dedicated acreage for *both* oil and gas wells on the plat in Section B.

3. A registered professional engineer or land surveyor registered in the State of New Mexico or approved by the Commission shall show on the plat the location of the well and certify this information in the space provided.

4. All distances shown on the plat must be from the outer boundaries of the Section.

5. If additional space is needed for listing owners and their respective interests as required in question 3 of Section A, please use space below.

Well Selection Criteria Quick Print

(WH_SEC = 13 and WH_TWPN = 22 and WH_RNGN = 32)

API Well #	Well Name and No.		Operator Name	Typ	Stat	County	Surf	UL	Sec	Twp	Rng	Ft N/S	Ft E/W	UICPrmt	Lst Insp Dt
30-025-36064-00-00	WBR FEDERAL	010	POGO PRODUCING CO	O	A	Lea	F	C	13	22 S	32 E	840 N	2310 W		6/8/2005
30-025-37929-00-00	WBR FEDERAL	011	POGO PRODUCING CO	O	A	Lea	F	D	13	22 S	32 E	330 N	330 W		
30-025-37009-00-00	WBR FEDERAL	011D	POGO PRODUCING CO	O		Lea	F	D	13	22 S	32 E	330 N	990 W		
30-025-36414-00-00	WBR FEDERAL	011	POGO PRODUCING CO	O	C	Lea	F	D	13	22 S	32 E	330 N	990 W		
30-025-37929-00-00	WBR FEDERAL	011	POGO PRODUCING CO	O	A	Lea	F	D	13	22 S	32 E	330 N	330 W		
30-025-36415-00-00	WBR FEDERAL	012	POGO PRODUCING CO	O	A	Lea	F	E	13	22 S	32 E	2245 N	790 W		6/8/2005
30-025-36063-00-00	WBR FEDERAL	009	POGO PRODUCING CO	O	A	Lea	F	F	13	22 S	32 E	2160 N	2250 W		6/8/2005
30-025-30137-00-00	WBR FEDERAL	001	POGO PRODUCING CO	O	A	Lea	F	H	13	22 S	32 E	1980 N	990 E		1/23/2006
30-025-30137-00-00	WBR FEDERAL	001	POGO PRODUCING CO	O	A	Lea	F	H	13	22 S	32 E	1980 N	990 E		1/23/2006
30-025-36453-00-00	WBR FEDERAL	004	POGO PRODUCING CO	O	C	Lea	F	J	13	22 S	32 E	2080 S	1980 E		
30-025-34464-00-00	WBR FEDERAL	004	POGO PRODUCING CO	O	C	Lea	F	J	13	22 S	32 E	2080 S	1980 E		12/29/2003
30-025-37007-00-00	WBR FEDERAL	004	POGO PRODUCING CO	O		Lea	F	J	13	22 S	32 E	1080 S	1980 E		
30-025-35818-00-00	WBR FEDERAL	004	POGO PRODUCING CO	O	C	Lea	F	J	13	22 S	32 E	2080 S	1980 E		
30-025-35722-00-00	WBR FEDERAL	007	POGO PRODUCING CO	O	A	Lea	F	K	13	22 S	32 E	1980 S	2310 W		6/8/2005
30-025-33026-00-00	WBR FEDERAL	003	POGO PRODUCING CO	O	A	Lea	F	L	13	22 S	32 E	1650 S	330 W	DHC-178	5/4/2005
30-025-33026-00-00	WBR FEDERAL	003	POGO PRODUCING CO	O	A	Lea	F	L	13	22 S	32 E	1650 S	330 W	DHC-178	5/4/2005
30-025-32999-00-00	WBR FEDERAL	002	POGO PRODUCING CO	O	A	Lea	F	M	13	22 S	32 E	330 S	330 W	DHC-178	1/9/2003
30-025-37008-00-00	WBR FEDERAL	008	POGO PRODUCING CO	O		Lea	F	M	13	22 S	32 E	330 S	990 W		
30-025-35819-00-00	WBR FEDERAL	008	POGO PRODUCING CO	O	C	Lea	F	M	13	22 S	32 E	330 S	990 W		
30-025-32999-00-00	WBR FEDERAL	002	POGO PRODUCING CO	O	A	Lea	F	M	13	22 S	32 E	330 S	330 W	DHC-178	1/9/2003
30-025-35256-00-00	WBR FEDERAL	005	POGO PRODUCING CO	O	A	Lea	F	N	13	22 S	32 E	660 S	2310 W	PLC-217	6/8/2005
30-025-35256-00-00	WBR FEDERAL	005	POGO PRODUCING CO	O	A	Lea	F	N	13	22 S	32 E	660 S	2310 W	PLC-217	6/8/2005
30-025-36883-00-00	MICRO BREW BEU FEDERAL	001	YATES PETROLEUM CORPORAT	O	A	Lea	F	O	13	22 S	32 E	990 S	2310 E	DHC-346	6/8/2005
30-025-36883-00-00	MICRO BREW BEU FEDERAL	001	YATES PETROLEUM CORPORAT	O	A	Lea	F	O	13	22 S	32 E	990 S	2310 E	DHC-346	6/8/2005
30-025-35696-00-00	WBR FEDERAL	006P	POGO PRODUCING CO	O	C	Lea	F	P	13	22 S	32 E	330 S	990 E		
30-025-36552-00-00	WBR FEDERAL	006	POGO PRODUCING CO	O	C	Lea	F	P	13	22 S	32 E	330 S	990 E		
30-025-36041-00-00	WBR FEDERAL	006	POGO PRODUCING CO	O	C	Lea	F	P	13	22 S	32 E	330 S	990 E		
30-025-08106-00-00	PRE-ONGARD WELL	001	PRE-ONGARD WELL OPERATOR	O	P	Lea	F	P	13	22 S	32 E	660 S	660 E		

A-2 SUMMARY OF COMANCHE WELLS (SANTA ROSA - ROUND ONE)

Well Characteristics

Comanche Wells is located approximately 9 miles east of the WIPP site. The water is pumped using an electric jack pump. This well is thought to be completed in the Santa Rosa Sandstone of the Dockum Group. A spigot is installed at the top of the well head.

Sampling Process

A peristaltic portable sample pump was used to collect filtered samples from this well. Unfiltered samples were collected directly from the spigot. Samples were collected on 10/26/87. Samples were collected for ITAS, EEG, WAESD, and SNL. One sample was collected to be analyzed in the field chemistry lab.

Field Analytical Results

Procedures used in the field analyses were those described in the WIPP Geotechnical and Geosciences Procedure Manual WP 7-2.

Alkalinity was analyzed at 228 mg/l.

Chloride was analyzed at 25 mg/l.

Divalent cations were analyzed at 3 meq/l.

The water had a pH of 7.8 S.U..

The specific conductance of of the water was 544 umhos/cm at 25^{o}C.

The temperature of the water was measured in the field at the time of sample collection and was 20.4^{o}C.

General Observations

Tabular data from field and ITAS final results are presented in Table A.2. Figure A-2 illustrates the general water quality at Comanche Wells utilizing Stiff, pie, and Piper trilinear diagrams.

This well supplies water for livestock.

No problems were encountered during the sampling process.

Fax 393-2476
Larry Bailey

CARDINAL LABORATORIES

PHONE (325) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603
PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
J.C. MILLS RANCH (MILLS FLP)
ATTN: STACEY MILLS
P.O. BOX 190
ABERNATHY, TX 79311
FAX TO:

Receiving Date: 06/19/07
Reporting Date: 06/20/07
Project Owner: NOT GIVEN
Project Name: NOT GIVEN
Project Location: COMANCHE WELL

Sampling Date: 06/19/07
Sample Type: GROUNDWATER
Sample Condition: COOL & INTACT
Sample Received By: LB
Analyzed By: AB

LAB NUMBER	SAMPLE ID	Na (mg/L)	Ca (mg/L)	Mg (mg/L)	K (mg/L)	Conductivity (μS/cm)	T-Alkalinity ($mgCaCO_3/L$)
ANALYSIS DATE:		06/19/07	06/19/07	06/19/07	06/19/07	06/19/07	06/19/07
H12762-1	WELLHEAD AT COMANCHE WELL	1379	499	198	13.2	9020	116
Quality Control		NR	50.6	52.4	4.58	1390	NR
True Value QC		NR	50.0	50.0	4.00	1413	NR
% Recovery		NR	101	105	114	98.4	NR
Relative Percent Difference		NR	5.0	3.1	8.3	0.9	NR
METHODS:			SM3500-Ca-D	3500-Mg E	8049	120.1	310.1

LAB NUMBER	SAMPLE ID	Cl^- (mg/L)	SO_4 (mg/L)	CO_3 (mg/L)	HCO_3 (mg/L)	pH (s.u.)	TDS (mg/L)
ANALYSIS DATE:		06/19/07	06/19/07	06/19/07	06/19/07	06/19/07	06/19/07
H12762-1	WELLHEAD AT COMANCHE WELL	3499	143	0	142	7.00	6316
Quality Control		490	23.0	NR	939	6.95	NR
True Value QC		500	25.0	NR	1000	7.00	NR
% Recovery		98.0	91.8	NR	93.9	99.3	NR
Relative Percent Difference		1.0	16.4	NR	6.7	0.9	NR
METHODS:		SM4500-Cl-B	375.4	310.1	310.1	150.1	160.1

Chemist

06-20-07
Date

H12762

PLEASE NOTE: **Liability and Damages**. **Cardinal's** liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by **Cardinal** within thirty (30) days after completion of the applicable service. In no event shall **Cardinal** be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by **Cardinal**, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.

TABLE A.2 (contd)

ITAS FINAL RESULTS

COMANCHE WELLS SANTA ROSA

GENERAL CHEMISTRY

PARAMETER	SAMPLE	DUPLICATE SAMPLE	UNITS	DATE COLLECTED
ALKALINITY, BICARBONATE	230	N/A	mg/l	10/26/87
ALKALINITY, CARBONATE	0	N/A	mg/l	10/26/87
BROMIDE	<2	N/A	mg/l	10/26/87
CHLORIDE	(15) *	(15) *	mg/l	10/26/87
FLUORIDE	2.1	N/A	mg/l	10/26/87
IODIDE	<2	N/A	mg/l	10/26/87
NITRATE	2.2	N/A	mg/l NO3-N	10/26/87
pH	7.45	7.48	pH UNITS	10/26/87
PHOSPHATE, TOTAL	<0.01	N/A	mg/l T-PO4-P	10/26/87
RESIDUE, FILTERABLE @180 C	340	350	mg/l	10/26/87
RESIDUE, NONFILTERABLE @105 C	<4	N/A	mg/l	10/26/87
SPECIFIC CONDUCTANCE	561	565	umhos/cm @25C	10/26/87
SULFATE	40	41	mg/l	10/26/87
TOTAL ORGANIC CARBON	2	2	mg/l	10/26/87
TOTAL ORGANIC HALIDES	<0.05	<0.05	mg/l	10/26/87

TABLE A.2

COMANCHE WELLS SANTA ROSA

FIELD RESULTS

PARAMETER	SAMPLE	DUPLICATE SAMPLE	UNITS	DATE COLLECTED
ALKALINITY	227	228	mg/l	10/26/87
CHLORIDE	24	25	mg/l	10/26/87
DICATIONS	3.1	3.1	meq/l	10/26/87
pH	7.8	N/A	S.U.	10/26/87
Sp.COND.	544	N/A	umhos/cm @25C	10/26/87
Sp.GRAVITY	N/A	N/A	NA	10/26/87
TEMPERATURE	20.4	N/A	C	10/26/87

2 @ 5 hp Sub booster pumps
~~Set for~~ 6000.00

well	13,000.00
electric #1	24,000.00
Pipeline	23,760.00
Storages	15,000.00
electric #2	6,000.00
booster pumps	6,000.00
	87,760.00

90-100,000$

Water well
300' completed cased/gravel
@ 25.00/ft = 7,500.00

pipe/pump etc. 5,550.00
13,000.00

Electricity 1/2 mile (2640 ft)
8 spans x 3000.00 = 24,000.00
+ transformer/meter etc.

4.5 miles 1.5" 200psi poly installed
@ 1.00/ft 23,760.00

3 @ 500 BBL storages set and
coated? 4000.00 apiece for ~~each~~ coating
maybe 1000.00 for tank plus freight
15,000.00

TABLE A.2 (contd)

ITAS FINAL RESULTS

COMANCHE WELLS SANTA ROSA

VOLATILE
HAZARDOUS SUBSTANCE

PARAMETER	SAMPLE	TRIP BLANK	UNITS	DATE COLLECTED
ACETONE	<10	<10	ug/l	10/26/87
BENZENE	<5.0	<5.0	ug/l	10/26/87
2-BUTANONE	<10	<10	ug/l	10/26/87
BROMOFORM	<5.0	<5.0	ug/l	10/26/87
CARBON DISULFIDE	<5.0	<5.0	ug/l	10/26/87
CARBON TETRACHLORIDE	<5.0	<5.0	ug/l	10/26/87
CHLOROBENZENE	<5.0	<5.0	ug/l	10/26/87
CHLORODIBROMOMETHANE	<5.0	<5.0	ug/l	10/26/87
CHLOROETHANE	<10	<10	ug/l	10/26/87
2-CHLOROETHYLVINYL ETHER	<10	<10	ug/l	10/26/87
CHLOROFORM	<5.0	<5.0	ug/l	10/26/87
CIS-1,3-DICHLOROPROPENE	<5.0	<5.0	ug/l	10/26/87
DICHLOROBROMOMETHANE	<5.0	<5.0	ug/l	10/26/87
1,1-DICHLOROETHANE	<5.0	<5.0	ug/l	10/26/87
1,2-DICHLOROETHANE	<5.0	<5.0	ug/l	10/26/87
1,1-DICHLOROETHYLENE	<5.0	<5.0	ug/l	10/26/87
1,2-DICHLOROPROPANE	<5.0	<5.0	ug/l	10/26/87
ETHYLBENZENE	<5.0	<5.0	ug/l	10/26/87
2-HEXANONE	<10	<10	ug/l	10/26/87
METHYL BROMIDE	<10	<10	ug/l	10/26/87
METHYL CHLORIDE	<10	<10	ug/l	10/26/87
4-METHYL-2-PENTANONE	<10	<10	ug/l	10/26/87
METHYLENE CHLORIDE	<10	<10	ug/l	10/26/87
STYRENE	<5.0	<5.0	ug/l	10/26/87
1,1,2,2-TETRACHLOROETHANE	<5.0	<5.0	ug/l	10/26/87
TETRACHLOROETHYLENE	<5.0	<5.0	ug/l	10/26/87
TOLUENE	<5.0	<5.0	ug/l	10/26/87
TRANS-1,2-DICHLOROETHYLENE	<5.0	<5.0	ug/l	10/26/87
TRANS-1,3-DICHLOROPROPENE	<5.0	<5.0	ug/l	10/26/87
1,1,1-TRICHLOROETHANE	<5.0	<5.0	ug/l	10/26/87
1,1,2-TRICHLOROETHANE	<5.0	<5.0	ug/l	10/26/87
TRICHLOROETHYLENE	<5.0	<5.0	ug/l	10/26/87
VINYL ACETATE	<10	<10	ug/l	10/26/87
VINYL CHLORIDE		<10	ug/l	10/26/87
TOTAL XYLENES	<5.0	<5.0	ug/l	10/26/87

TABLE A.2 (contd)

ITAS FINAL RESULTS

COMANCHE WELLS SANTA ROSA

METAL ANALYSIS SUMMARY

PARAMETER	SAMPLE	DUPLICATE SAMPLE	ACID BLANK	DI. WATER BLANK	UNITS	DATE COLLECTED
ALUMINUM	<0.1	<0.1	<0.1	<0.1	mg/l	10/26/87
ANTIMONY	<0.05	<0.05	<0.05	<0.05	mg/l	10/26/87
ARSENIC	<0.005	<0.005	<0.005	<0.005	mg/l	10/26/87
BARIUM	0.056	0.056	<0.005	<0.005	mg/l	10/26/87
BERYLLIUM	<0.005	<0.005	<0.005	<0.005	mg/l	10/26/87
BORON	0.44	0.44	<0.01	<0.01	mg/l	10/26/87
CADMIUM	<0.005	<0.005	<0.005	<0.005	mg/l	10/26/87
CALCIUM	31	31	N/A	N/A	mg/l	10/26/87
CESIUM	<0.01	<0.01	<0.01	<0.01	mg/l	10/26/87
CHROMIUM	<0.01	<0.01	<0.01	<0.01	mg/l	10/26/87
COBALT	<0.01	<0.01	<0.01	<0.01	mg/l	10/26/87
COPPER	<0.01	<0.01	<0.01	<0.01	mg/l	10/26/87
IRON	0.03	0.03	<0.01	<0.01	mg/l	10/26/87
LEAD	<0.05	<0.05	<0.05	<0.05	mg/l	10/26/87
LITHIUM	0.05	0.05	<0.01	<0.01	mg/l	10/26/87
MAGNESIUM	22	22	N/A	N/A	mg/l	10/26/87
MANGANESE	0.006	0.006	<0.005	<0.005	mg/l	10/26/87
MERCURY	<0.0002	<0.0002	<0.0002	<0.0002	mg/l	10/26/87
MOLYBDENUM	0.03 *	0.03 *	<0.01	<0.01	mg/l	10/26/87
NICKEL	<0.03	<0.03	<0.03	<0.03	mg/l	10/26/87
POTASSIUM	5.1	5.0	N/A	N/A	mg/l	10/26/87
SELENIUM	<0.005	<0.005	<0.005	<0.005	mg/l	10/26/87
SILICA	28	28	<0.2	<0.2	mg/l	10/26/87
SILVER	<0.01	N/A	<0.01	<0.01	mg/l	10/26/87
SODIUM	45	45	N/A	N/A	mg/l	10/26/87
STRONTIUM	0.74	0.74	<0.01	<0.01	mg/l	10/26/87
THALLIUM	<0.05	<0.05	<0.005	<0.005	mg/l	10/26/87
TITANIUM	<0.03	<0.03	<0.03	<0.03	mg/l	10/26/87
VANADIUM	0.03 *	0.03 *	<0.01	<0.01	mg/l	10/26/87
ZINC	0.12 *	0.12 *	<0.01	<0.01	mg/l	10/26/87

* See section 3.0

TABLE A.2 (contd)

ITAS FINAL RESULTS

COMANCHE WELLS SANTA ROSA

SEMIVOLATILE
HAZARDOUS SUBSTANCE

PARAMETER	SAMPLE	UNITS	DATE COLLECTED
ACENAPHTHENE	<10	ug/l	10/26/87
ACENAPHTHYLENE	<10	ug/l	10/26/87
ANTHRACENE	<10	ug/l	10/26/87
BENZO(A)ANTHRACENE	<10	ug/l	10/26/87
BENZO(A)PYRENE	<10	ug/l	10/26/87
3,4-BENZOFLUORANTHENE	<10	ug/l	10/26/87
BENZO(G,H,I)PERYLENE	<10	ug/l	10/26/87
BENZOIC ACID	<50	ug/l	10/26/87
BENZO(K)FLUORANTHENE	<10	ug/l	10/26/87
BENZYL ALCOHOL	<10	ug/l	10/26/87
BIS(2-CHLOROETHOXY)METHANE	<10	ug/l	10/26/87
BIS(2-CHLOROETHYL)ETHER	<10	ug/l	10/26/87
BIS(2-CHLOROISOPROPYL)ETHER	<10	ug/l	10/26/87
BIS(2-ETHYLHEXYL)PHTHALATE	<10	ug/l	10/26/87
4-BROMOPHENYL PHENYL ETHER	<10	ug/l	10/26/87
BUTYL BENZYL PTHALATE	<10	ug/l	10/26/87
4-CHLOROANILINE	<10	ug/l	10/26/87
2-CHLORONAPHTHALENE	<10	ug/l	10/26/87
2-CHLOROPHENOL	<10	ug/l	10/26/87
4-CHLOROPHENYL PHENYL ETHER	<10	ug/l	10/26/87
CHRYSENE	<10	ug/l	10/26/87
DIBENZO(A,H)ANTHRACENE	<10	ug/l	10/26/87
DIBENZOFURAN	<10	ug/l	10/26/87
1,2-DICHLOROBENZENE	<10	ug/l	10/26/87
1,3-DICHLOROBENZENE	<10	ug/l	10/26/87
1,4-DICHLOROBENZENE	<10	ug/l	10/26/87
3,3'-DICHLOROBENZIDINE	<20	ug/l	10/26/87
2,4-DICHLOROPHENOL	<10	ug/l	10/26/87
DIETHYL PHTHALATE	<10	ug/l	10/26/87
2,4-DIMETHYLPHENOL	<10	ug/l	10/26/87
4,6-DINITRO-O-CRESOL	<50	ug/l	10/26/87
2,4-DINITROPHENOL	<50	ug/l	10/26/87
DIMETHYL PHTHALATE	<10	ug/l	10/26/87
DI-N-BUTYL PHTHALATE	<10	ug/l	10/26/87
2,4-DINITROTOLUENE	<10	ug/l	10/26/87
2,6-DINITROTOLUENE	<10	ug/l	10/26/87

TABLE A.2 (contd)

ITAS FINAL RESULTS

COMANCHE WELLS SANTA ROSA

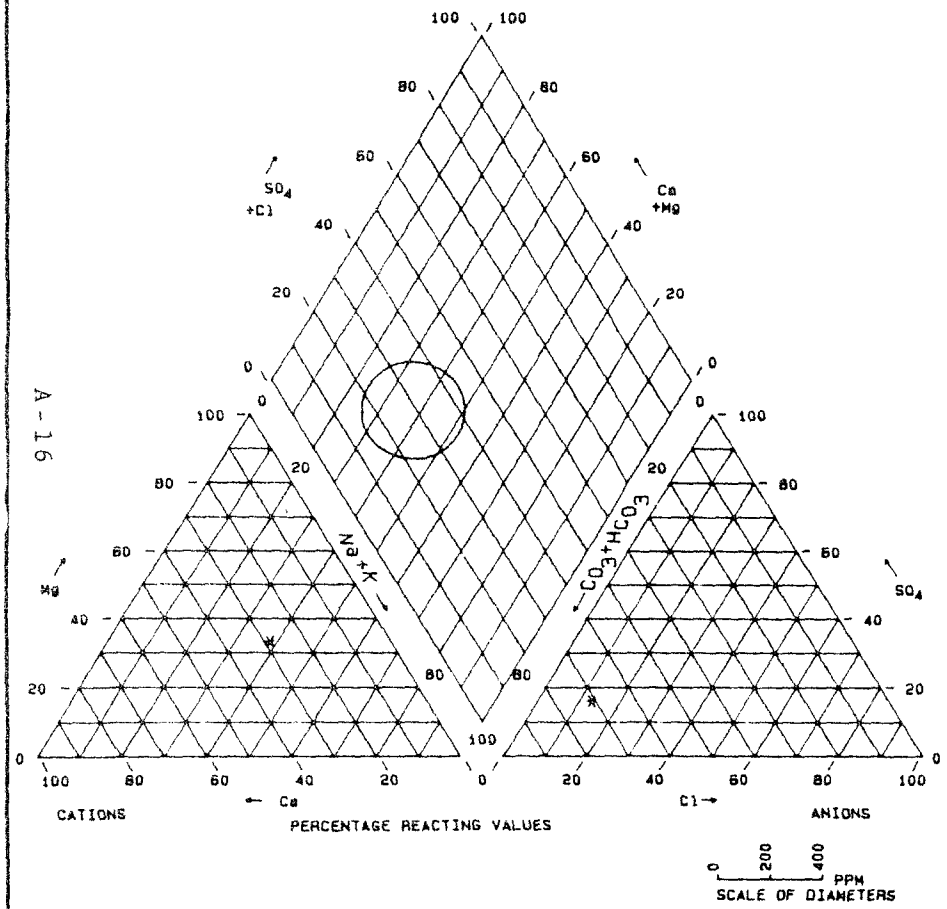
SEMIVOLATILE
HAZARDOUS SUBSTANCE

PARAMETER	SAMPLE	UNITS	DATE COLLECTED
DI-N-OCTYL PHTHALATE	<10	ug/l	10/26/87
FLUORANTHENE	<10	ug/l	10/26/87
FLUORENE	<10	ug/l	10/26/87
HEXACHLOROBENZENE	<10	ug/l	10/26/87
HEXACHLOROBUTADIENE	<10	ug/l	10/26/87
HEXACHLOROCYCLOPENTADIENE	<10	ug/l	10/26/87
HEXACHLOROETHANE	<10	ug/l	10/26/87
INDENO(1,2,3-CD)PYRENE	<10	ug/l	10/26/87
ISOPHORONE	<10	ug/l	10/26/87
2-METHYLNAPHTHALENE	<10	ug/l	10/26/87
2-METHYLPHENOL	<10	ug/l	10/26/87
4-METHYLPHENOL	<10	ug/l	10/26/87
NAPHTHALENE	<10	ug/l	10/26/87
2-NITROANILINE	<50	ug/l	10/26/87
3-NITROANILINE	<50	ug/l	10/26/87
4-NITROANILINE	<50	ug/l	10/26/87
NITROBENZENE	<10	ug/l	10/26/87
2-NITROPHENOL	<10	ug/l	10/26/87
4-NITROPHENOL	<50	ug/l	10/26/87
N-NITROSODI-N-PROPYLAMINE	<10	ug/l	10/26/87
N-NITROSODIPHENYLAMINE	<10	ug/l	10/26/87
P-CHLORO-M-CRESOL	<10	ug/l	10/26/87
PENTACHLOROPHENOL	<50	ug/l	10/26/87
PHENANTHRENE	<10	ug/l	10/26/87
PHENOL	<10	ug/l	10/26/87
PYRENE	<10	ug/l	10/26/87
1,2,4-TRICHLOROBENZENE	<10	ug/l	10/26/87
2,4,5-TRICHLOROPHENOL	<50	ug/l	10/26/87
2,4,6-TRICHLOROPHENOL	<10	ug/l	10/26/87

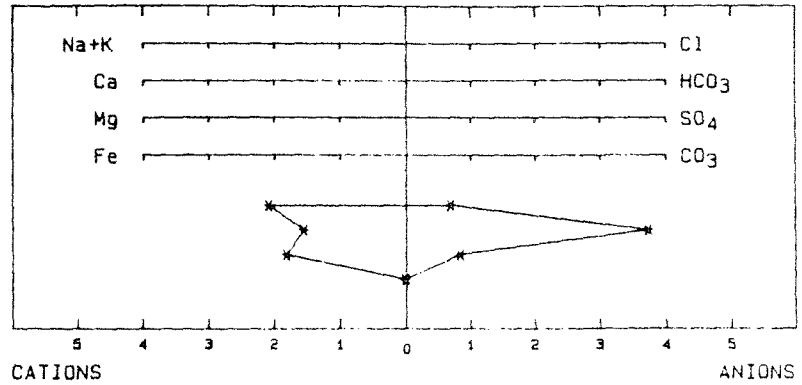
POLYCHLORINATED BIPHENYL

PARAMETER	SAMPLE	DUPLICATE SAMPLE	UNITS	DATE COLLECTED
PCB	<1.0	N/A	ug/l	10/26/87

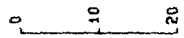
PIPER TRILINEAR DIAGRAM



STIFF GRAPH

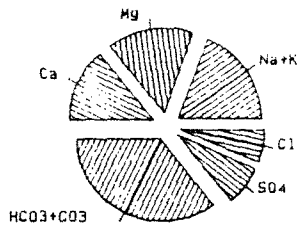


PIE DIAGRAM



SCALE OF RADII
(TOTAL OF EQUIVALENTS PER MILLION)

NOTE ERROR (IF ANY) IN CATION/ANION BALANCE HAS BEEN REMOVED



A-16

PROJECT: WIPP FILE: WQSP87.CHM LOCATION: WIPP SITE	SAMPLE: COMANCHE WELLS ROUND ONE	CHEMICAL GRAPHS
DOE-WIPP		FIGURE: A-2