

HINKLE, HENSLEY, SHANOR & MARTIN, L.L.P.

ATTORNEYS AT LAW

218 MONTEZUMA

SANTA FE, NEW MEXICO 87501

505-982-4554 (FAX) 505-982-8623

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WRITER:

Gary W. Larson,
Partner

2013 FEB -5 11:43
glarson@hinklelawfirm.com

February 5, 2013

HAND DELIVERY

Case 14960

Florene Davidson
Oil Conservation Division
1220 S. St. Francis Drive
Santa Fe, NM 87505

Re: Application of New Mexico Salt Water Disposal Co., Inc.

Dear Florene:

Enclosed please find attachments to the application for authorization to inject that I filed yesterday on behalf of New Mexico Salt Water Disposal Co., Inc.

Thank you for your attention to this matter.

Very truly yours,

Gary W. Larson

GWL:rc
Encls.

PO BOX 10
ROSWELL, NEW MEXICO 88202
(505) 622-6510
FAX (505) 623-9332

PO BOX 3580
MIDLAND, TEXAS 79702
(432) 683-4691
FAX (432) 683-6518

PO BOX 2068
SANTA FE, NEW MEXICO 87504
(505) 982-4554
FAX (505) 982-8623

919 CONGRESS, SUITE 1150
AUSTIN, TEXAS 78701
(512) 476-7137
FAX (512) 476-7146

EXISTING/CURRENT

NEW MEXICO SALT WATER DISPOSAL COMPANY, INC.

212 PETROLEUM BLDG.

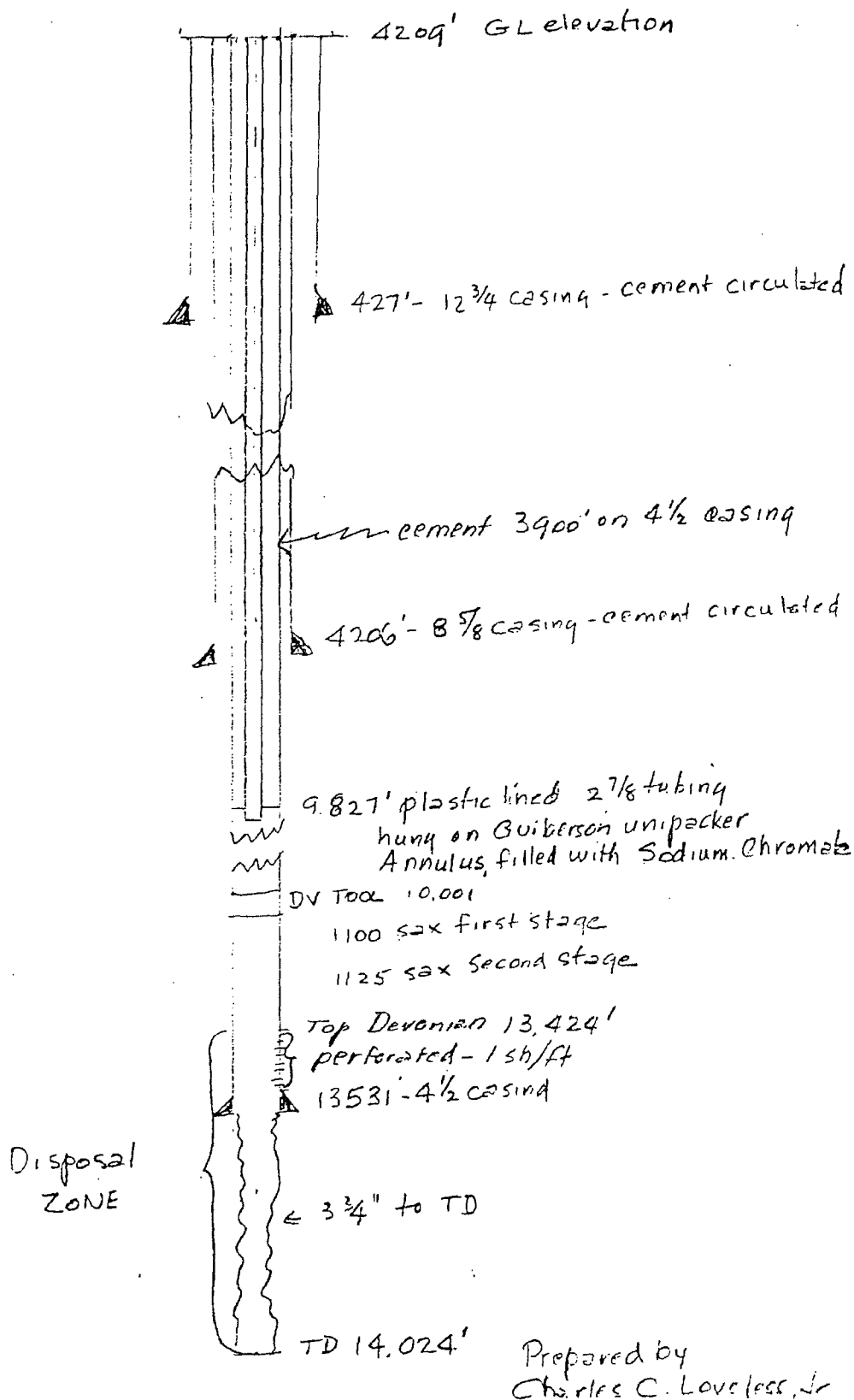
P. O. BOX 566

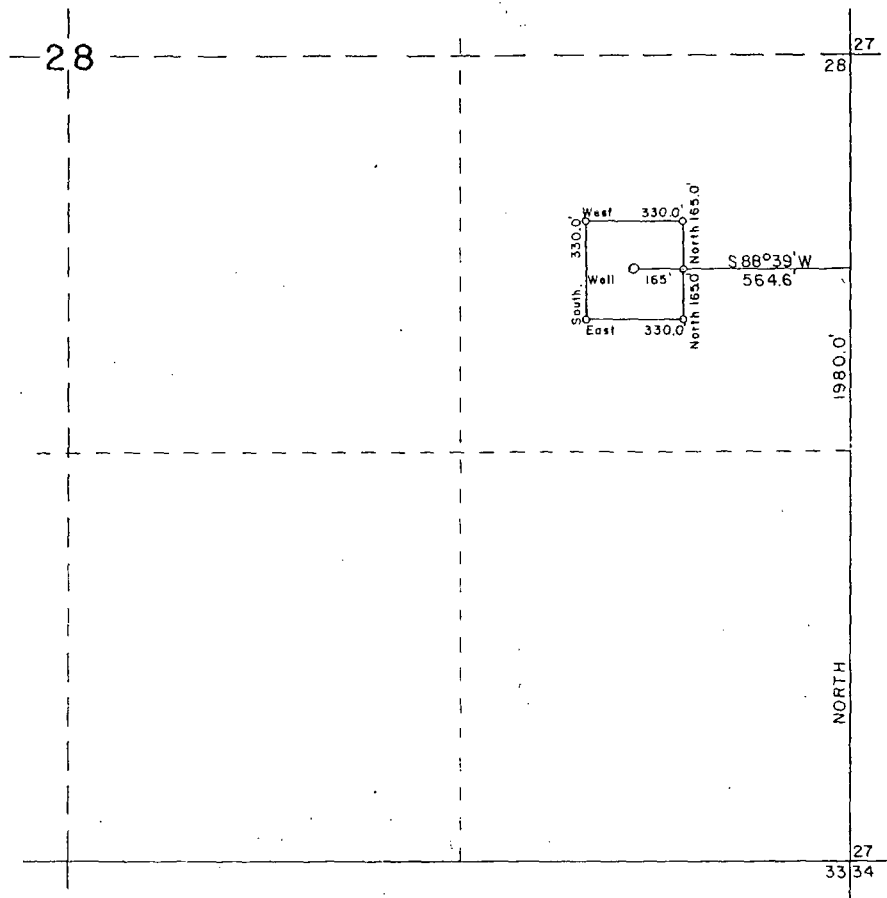
ROSWELL, NEW MEXICO 88201

PHONE 622-1958 AREA CODE 505

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2013 FEB -5 A 11:44





A tract of land located in the Northeast Quarter of the Southeast Quarter of Section 28, Township 10 South, Range 34 East, N.M.P.M., Lea County, New Mexico, and being more particularly described as follows:

Beginning at a point which bears NORTH a distance of 1980.0 feet and S 88°39' W a distance of 564.6 feet from the Southeast corner of said Section 28; Thence NORTH a distance of 165.0 feet; Thence WEST a distance of 330.0 feet; Thence SOUTH a distance of 330.0 feet; Thence EAST a distance of 330.0 feet; Thence NORTH a distance of 165.0 feet to the point of beginning.

Said tract of land containing 2.50 acres, more or less, all within Section 28, and being allocated by lot as follows:

NE $\frac{1}{4}$ SE $\frac{1}{4}$ 2.50 acres

I HEREBY CERTIFY THAT THIS PLAT WAS
MADE FROM NOTES TAKEN IN THE FIELD IN
A BONA FIDE SURVEY MADE UNDER MY SUPER-
VISION, AND THAT THE SAME IS TRUE AND
CORRECT TO THE BEST OF MY KNOWLEDGE
AND BELIEF.

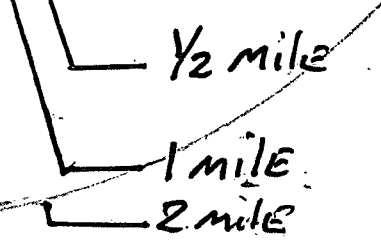
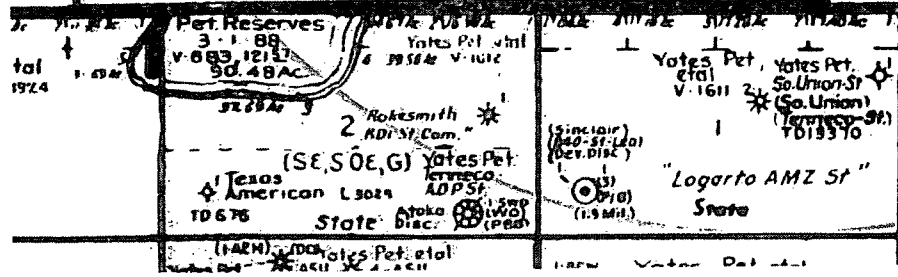
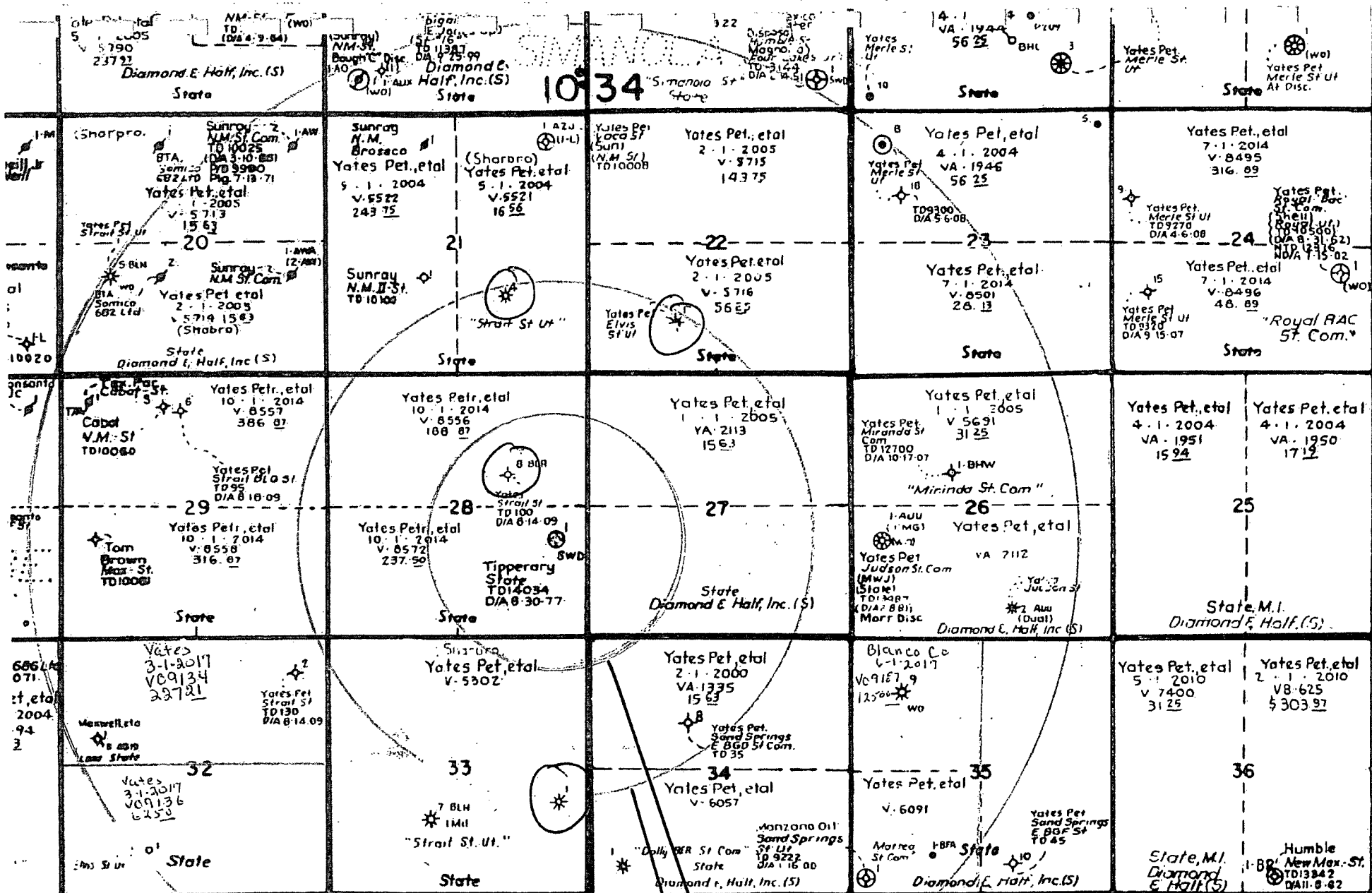
JOHN W. WEST, N.M. PE. & L.S. NO 876
TEXAS R.P.S. NO 1138

NEW MEXICO SALT WATER DISPOSAL CO.

Proposed Salt Water Disposal Site located in the Northeast quarter of the Southeast quarter of Section 28, Township 10 South, Range 34 East, N.M.P.M., Lea County, New Mexico.

JOHN W. WEST ENGINEERING COMPANY
CONSULTING ENGINEERS HOBBS, NEW MEXICO

Scale 1"=500'	Drawn by Presley
Date September 20, 1977	Sheet of Sheets



Yates Petroleum is mineral lessee for all leases within both 1/2 mile and 1 mile from Tipperary State 28 #1

STATE: NEW MEXICO
COUNTY: LEA
API: 30-025-37260
FIELD: X-4 RANCH
WELL CLASS: DG
YATES PETROLEUM CORP

21-10S-34E
SE NW SE
1650 FSL 1650 FEL SEC
STATUS: GAS

4 STRAIT STATE UNIT

SPUD: 06/18/2005 COMP: 09/06/2005 RIG REL: 08/17/2005 ELEV: 4223 KB 4203 GR
TD: 12700 (08/14/2005) FM/TD: CHESTER LM PBTD: 12617 DTD: 12700
CONTR: PATTERSON-UTI ENERGY INCORPORATED RIG # 497 (VERTICAL)
PROJ DEPTH/FM: 12550 MISSISSIPPIAN (ST APPD PMT: 05/23/2005) LEASE TYPE: STATE
TARGET OBJ: GAS

DTD: 12700; 12617 PB COMPDATE: 09/06/2005; # 01 IPF GAS: 28 MCFD 24/64 CK FTP 80
PROD ZONE: PERF (ATOKA) 11959-12026 (GROSS) W/ 72 PERF (MORROW) 12075-12136
(GROSS) W/ 120 COMMINGLED.; NO CORES CUT, NO DST REPORTED

LOCATION DATA: L&L Surf: 33.42974 -103.46556; CASING: 20 IN @ 40, 13 3/8 IN @ 423 W/420
SACK, 9 5/8 IN @ 4225 W/1725 SACK, 4 1/2 IN @ 12700 W/3585 SACK; TUBING: 2 3/8 IN @ 11900;

(OVER)

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01/18/2006
CARD# 0002-NM

YATES PETROLEUM CORP

API: 30-025-37260, 21-10S-34E

4 STRAIT STATE UNIT

(CONTINUED)

LOG TYPES: BHCS, CNL, LATL, CBND;
LOG TOPS: RUSTLER 1996, YATES 2753, SAN ANDRES 4041, GLORIETA 5503, TUBB 6958,
ABO /SH/ 7742, WOLFCAMP 9092, STRAWN 11106, ATOKA 11634, MORROW 12032, AUSTIN
CYCLE 12256, CHESTER LM 12364;
PRODUCING INTERVALS DATA: # 01 PERF (ATOKA) 11959-11962 W/ 18 SHOTS 11992-11995
W/ 18 SHOTS 12020-12026 W/ 36 SHOTS PERF (MORROW) 12075-12085 W/ 60 SHOTS
12126-12136 W/ 60 SHOTS; ACID (11959-12136) W/ 2100 GAL ACID 7 1/2% MORROW;
FRACTURING (11959-12136) W/ 42000 GAL GEL 40000 LB SAND 40# PURGEL-III, 40Q FOAM
W/VERSAPROP GAS: 28 MCFD FTP 80; 24/64 CK
OPER ADD: 105 S 4TH ST, YATES BLDG, ARTESIA, NM 88210, (505)748-1471;

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01/18/2006
CARD# 0002-NM

Yates Petroleum Corporation
Straits State Unit #4
Wildcat
Lea, New Mexico

Schlumberger

Platform Express
HRes Laterolog Array
Micro-CFL / HNGS

1800 FSL & 1800 FEL

CONFIDENTIAL

Elev.: K.B. 4223.5 ft

G.L. 4203 ft

D.F. 4222.5 ft

Permanent Datum: Ground Level

Elev.: 4203 ft

Log Measured From: Kelly Bushing

20.5 ft above Perm. Datum

Drilling Measured From: Kelly Bushing

API Serial No.

30-025-37260

Section

21

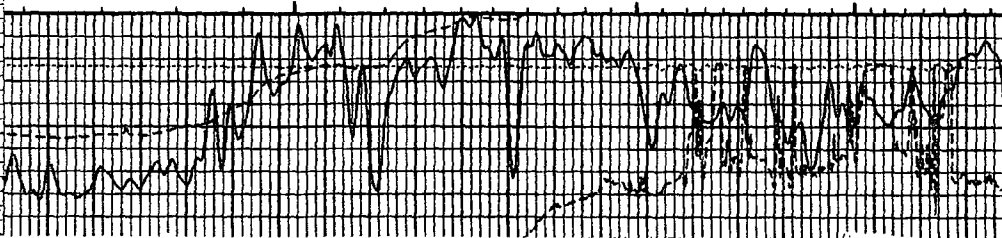
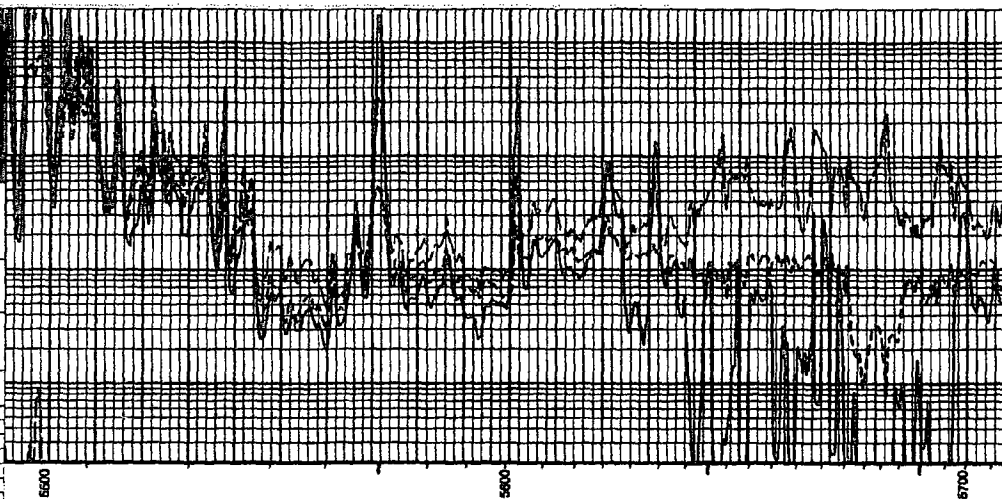
Township

10S

Range

34E

Logging Date: 15-Aug-2005
Run Number: One
Depth Driller: 12700 ft
Schlumberger Depth: 12712 ft
Bottom Log Interval: 12710 ft
Top Log Interval: 4221 ft
Casing Driller Size @ Depth: 9.625 in @ 4225 ft
Casing Schlumberger: 4221 ft
Bit Size: 8.750 in
Type Fluid in Hole: Salt Gel
Density: 9.9 lbm/gal
Viscosity: 43 s
Fluid Loss: PH: 12 cm³ 10
Source Of Sample: Circulation Tank
RMF @ Measured Temperature: 0.071 ohm.m @ 100 degF
RMF @ Measured Temperature: 0.084 ohm.m @ 80 degF
RMF @ Measured Temperature: @
Source RMF: RMF: Measured
RMF @ MRT: RMF @ MRT: 0.042 @ 175 0.033 @ 175 @
Maximum Recorded Temperatures: 175 degF
Circulation Stopped: Time: 15-Aug-2005 2:00
Logger On Bottom: Time: 15-Aug-2005 12:00
Unit Number: 3178 Rowell
Recorded By: Trevor Johnson
Witnessed By: John Amist



Yates Petroleum Corporation
Straits State Unit #4
Wildcat
Lea, New Mexico

Schlumberger

Platform Express
Three Detector Litho-Density
Compensated Neutron/HNGS

1800 FSL & 1800 FEL

CONFIDENTIAL

Elev.: K.B. 4223.5 ft

G.L. 4203 ft

D.F. 4222.5 ft

Permanent Datum: Ground Level

Elev.: 4203 ft

Log Measured From: Kelly Bushing

20.5 ft above Perm. Datum

Drilling Measured From: Kelly Bushing

API Serial No.

30-025-37260

Section

21

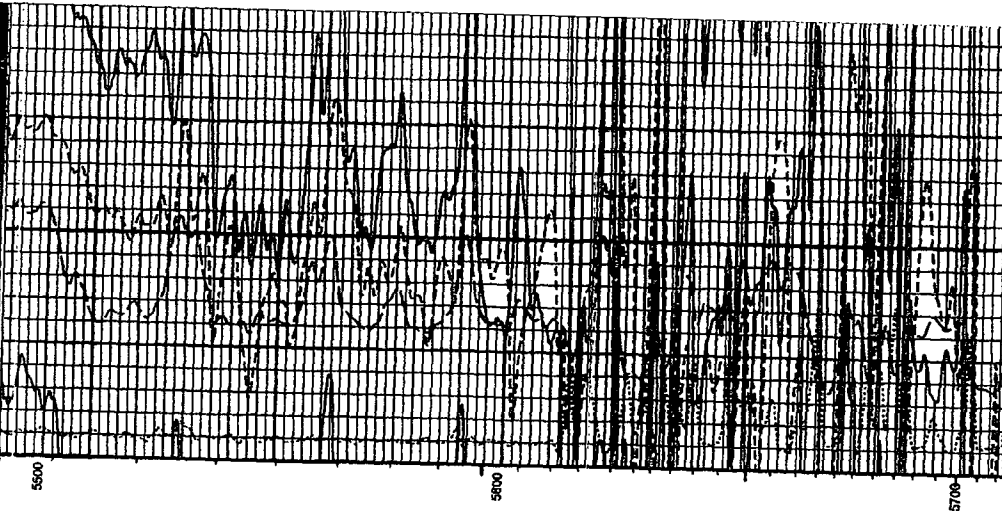
Township

10S

Range

34E

Logging Date: 15-Aug-2005
Run Number: One
Depth Driller: 12700 ft
Schlumberger Depth: 12712 ft
Bottom Log Interval: 12710 ft
Top Log Interval: 200 ft
Casing Driller Size @ Depth: 9.625 in @ 4225 ft
Casing Schlumberger: 4221 ft
Bit Size: 8.750 in
Type Fluid in Hole: Salt Gel
Density: 9.9 lbm/gal
Viscosity: 43 s
Fluid Loss: PH: 12 cm³ 10
Source Of Sample: Circulation Tank
RMF @ Measured Temperature: 0.071 ohm.m @ 100 degF
RMF @ Measured Temperature: 0.084 ohm.m @ 80 degF
RMF @ Measured Temperature: @
Source RMF: RMF: Measured
RMF @ MRT: RMF @ MRT: 0.042 @ 175 0.033 @ 175 @
Maximum Recorded Temperatures: 175 degF
Circulation Stopped: Time: 15-Aug-2005 2:00
Logger On Bottom: Time: 15-Aug-2005 12:00
Unit Number: 3178 Rowell



NW

STATE: NEW MEXICO
COUNTY: LEA
API: 30-025-36873
FIELD: X-4 RANCH
WELL CLASS: WOE
YATES PETROLEUM CORP

22-10S-34E
NW SE SW
990 FSL 1700 FWL SEC
STATUS: GAS



1 ELVIS STATE UNIT

SPUD: 12/31/2004 COMP: 04/01/2005 RIG REL: 02/17/2005 ELEV: 4193 GR
TD: 12718 (02/14/2005) FM/TD: MISSISSIPPIAN INTERPRETED PBTD: 12081 DTD: 12718
CONTR: PATTERSON-UTI ENERGY INCORPORATED RIG # 8 (VERTICAL)
PROJ DEPTH/FM: 12800 MISSISSIPPIAN (ST APPD PMT: 09/22/2004) LEASE TYPE: STATE
TARGET OBJ: GAS

DTD: 12718; 12081 PB COMPDATE: 04/01/2005; # 01 IPF OIL : 4 BBL GAS: 4420 MCFD WTR: 0
BBL 24/64 CK FTP 1300 PROD ZONE: PERF (ATOKA) 11938-11948 W/ 60 ; NO CORES
REPORTED , NO DST REPORTED

LOCATION DATA: 15.4 MI NW TATUM, NM 1.3 MI S LANE SOUTHEAST FLD (ABO); ;
CASING: 20 IN @ 40, 13 3/8 IN @ 431 W/440 SACK, 9 5/8 IN @ 4215 W/1445 SACK, 5 1/2 IN @
12718 W/3205 SACK; TUBING: 2 7/8 IN @ 11750;

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05/25/2005
CARD# 0010-NM

YATES PETROLEUM CORP

API: 30-025-36873, 22-10S-34E

1 ELVIS STATE UNIT

(CONTINUED)

PROD TEST(S): # 01 PERF (ATOKA) 12100-12117 W/ 102 SHOTS ; ACID (12100-12117) W/ 1500
GAL ACID 7 1/2% MORROW ACID W/1000 SCF N2/BBL, 90 BALL SEALERS ADDITIVE: NTGN
BRIDGE PLUG 12081 FT 12100-12117;
PRODUCING INTERVALS DATA: # 01 PERF (ATOKA) 11938-11948 W/ 60 SHOTS ; NATURAL
(11938-11948) OIL : 4 BBL GAS: 4420 MCFD WTR: 0 BBL FTP 1300; 24/64 CK
OPER ADD: 105 S 4TH ST, YATES BLDG, ARTESIA, NM 88210, (505)748-1471;

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05/25/2005
CARD# 0010-NM

COMPANY: Yates Petroleum Corporation

WELL: Elvis State Unit #1

FIELD: Wildcat

LEA: Lea State: New Mexico

Well: Elvis State Unit #1

Company: Yates Petroleum Corporation

Platform Express
Three Detector Litho-Density
Compensated Neutron/HNGS

9907 FSLA 1700 FWL
CONFIDENTIAL

Perm. Datum: Ground Level
Log Measured From: Kelly Busting
Drilling Measured From: Kelly Busting

Elev.: 4210 ft
G.L. 4193 ft
D.F. 4209 ft

Elev.: 4193 ft
17.0 ft above Perm. Datum

API Serial No. 30-025-36873 Section 22 Township 10S Range 34E

Logging Date: 15-Feb-2005

Run Number: One

Depth Driller: 12716 ft

Schlumberger Depth: 12732 ft

Bottom Log Interval: 12730 ft

Top Log Interval: 200 ft

Casing Depth - Size @ Depth: 4204 ft @ 4215 ft

Casing Schlumberger: 4204 ft

ED Elev: 4204 ft

Type Fluid in Hole: Brine

Density: Viscosity: 10 lbm/gal 30 s

Fluid Loss: PH: 11 cm3 10.5

Source Of Sample: Circulation Tank

RM @ Measured Temperature: 0.084 ohm.m @ 74 degF

RMF @ Measured Temperature: 0.081 ohm.m @ 62 degF

RMG @ Measured Temperature: @

Source RMF: RMG: Measured

RM @ MRT: RMF @ MRT: 0.028 @ 180 0.022 @ 180

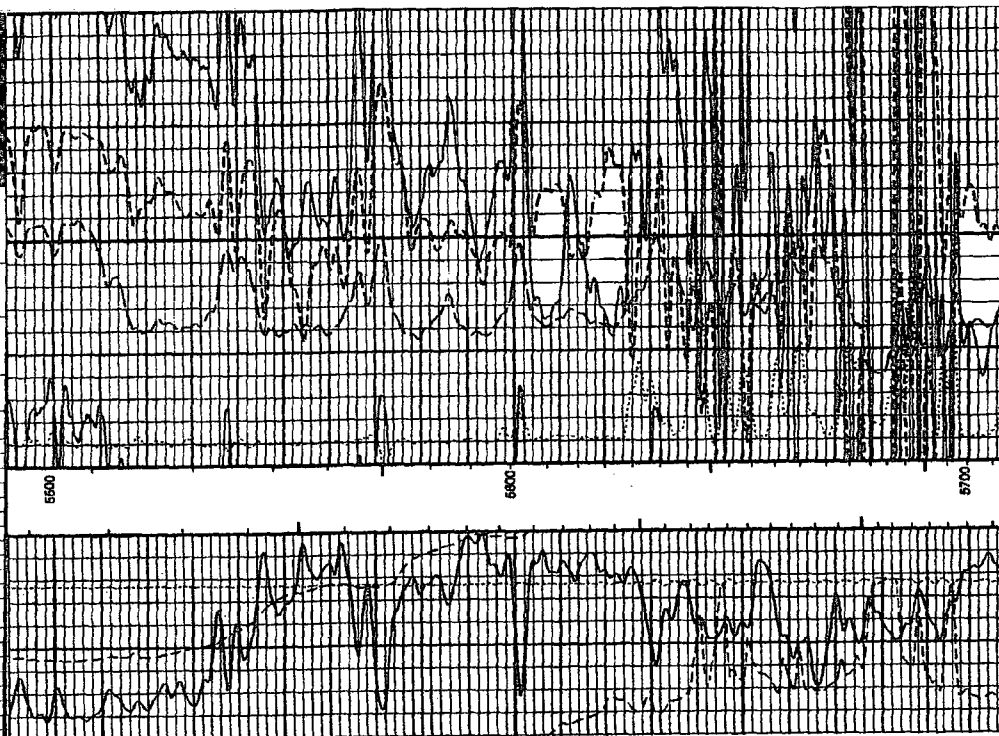
Maximum Recorded Temperature: 180 degF

Circulation Stopped: Time: 12:00

Logger On Bottom: Time: 15-Feb-2005 0:20

Unit Number: 3178 Location: Burrell

Recorded By: Trevor Johnson



COMPANY: Yates Petroleum Corporation

WELL: Elvis State Unit #1

FIELD: Wildcat

LEA: Lea State: New Mexico

Well: Elvis State Unit #1

Company: Yates Petroleum Corporation

Platform Express
HI Res Laterolog Array
Micro-CFL / HNGS

9907 FSLA 1700 FWL
CONFIDENTIAL

Perm. Datum: Ground Level
Log Measured From: Kelly Busting
Drilling Measured From: Kelly Busting

Elev.: 4210 ft
G.L. 4193 ft
D.F. 4209 ft

Elev.: 4193 ft
17.0 ft above Perm. Datum

API Serial No. 30-025-36873 Section 22 Township 10S Range 34E

Date: 15-Feb-2005

Run Number: One

Depth Driller: 12716 ft

Schlumberger Depth: 12732 ft

Bottom Log Interval: 12730 ft

Top Log Interval: 200 ft

Casing Depth - Size @ Depth: 4204 ft @ 4215 ft

Casing Schlumberger: 4204 ft

ED Elev: 4204 ft

Type Fluid in Hole: Brine

Density: Viscosity: 10 lbm/gal 30 s

Fluid Loss: PH: 11 cm3 10.5

Source Of Sample: Circulation Tank

Measured Temperature: 0.084 ohm.m @ 74 degF

Measured Temperature: 0.081 ohm.m @ 62 degF

Measured Temperature: @

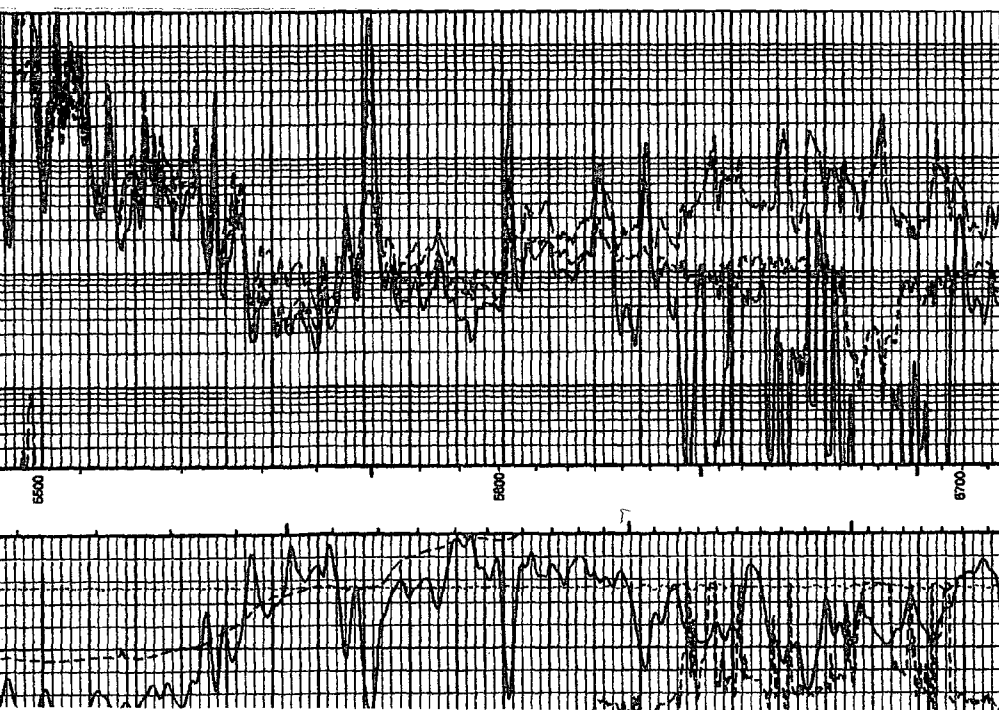
Source RMF: RMG: Measured

RM @ MRT: RMF @ MRT: 0.028 @ 180 0.022 @ 180

Maximum Recorded Temperature: 180 degF

Circulation Stopped: Time: 12:00

Logger On Bottom: Time: 14-Feb-2005



LEA COUNTY

NEW MEXICO

WILDCAT

Well: TIPPERARY O&G CORP. 1 State "28"Result D&A

WF

Locn: 14 mi NE/Caprock, 1980' FSL 660' FEL Sec 28-10S-34ESpud: 6-18-77; Comp: 8-30-77; Elev: 4209' grd; TD: 13,531' Dev;Casing: 12 3/4" 427'/450 sx, 8 5/8" 4206'/1150 sxComp Info: DST(Miss) 13,185-210', op 2 hrs, rec 2500' WB & 30' DM, ISIP NR, FP
1133-1133#, FSIP 5482#, HP 6614-6535#; DST(Dev) 13,431-531', op 1 hr, rec 2500'
WB & 6560' sul wtr, ISIP 5340#, FP NR, FSIP 5355#; C/Tri-Service.Tops: (EL) San And 4254', Glor 5580', Tubb 7040', Abo 7827', Wolfe 9193', Ranger Lake
10,294', Cany 10,454', Atoka 11,614', L/Miss 12,580', Wdld 13,336', Dev 13,431'API No.: 30-025-25558© COPYRIGHTED 1977
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Petroleum Information

CORPORATION

A Subsidiary of A.C. Nielsen Company

Date: 11-2-77

Card No.: 21 mm



Schlumberger **BOREHOLE COMPENSATED
SONIC LOG**

COUNTY **LEA** WILDCAT
WELL **STATE "28" #1**
COMPANY **TIPPERARY OIL & GAS**

COMPANY **TIPPERARY OIL AND GAS COMPANY**

WELL **STATE "28" #1**

FIELD **WILDCAT**

COUNTY **LEA** STATE **NEW MEXICO**

LOG NO. **1990 FSL & 660 FEL**

APR SERIAL NO. **28** TWP **10-S** RANGE **34-E**

Other Services:
CNL/FDC
DL

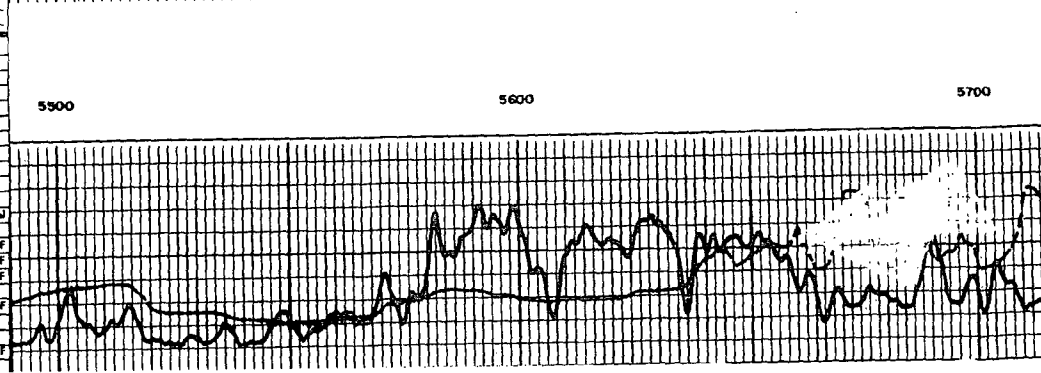
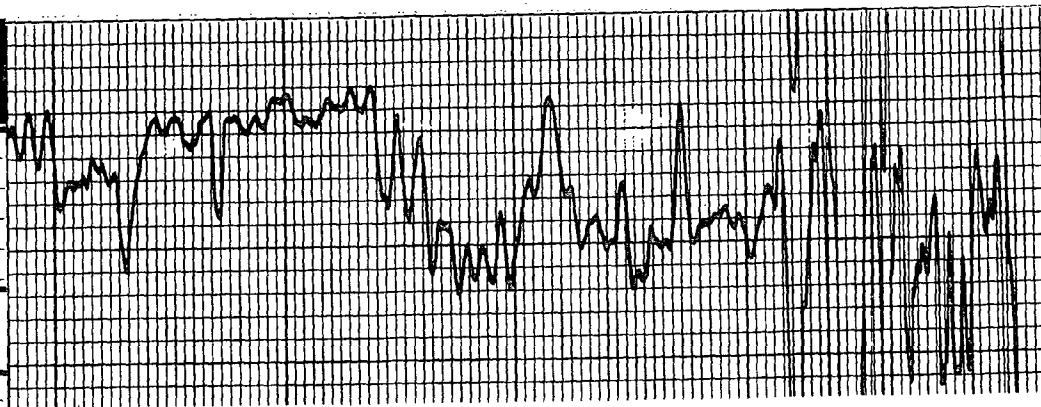
Permanent Datum **GL** Elev. **4209**

Log Measured From **KB** 17 Ft. Above Perm. Datum

Drilling Measured From **KB**

Elev. **KB 4226**
D.F. **4209**
G.L. **4209**

Date	8-26-77				
Run No.	ONE				
Depth-Driller	13531				
Depth-Logger (Schl.)	13529				
Bottom Log Interval	13526				
Top Log Interval	4155				
Casing-Driller	8 5/8 5206	⊙	⊙	⊙	
Casing-Logger	5208				
Bit Size	7 7/8				
Type Fluid in Hole	SALT MUD				
Down	9.5	43			
pH	7	10	ml	ml	ml
Fluid Loss	7	10	ml	ml	ml
Source of Sample	PIT				
Rm @ Meas. Temp.	0.07 @ 82°F	⊙	⊙	⊙	⊙
Rnd @ Meas. Temp.	0.065 @ 82°F	⊙	⊙	⊙	⊙
Rnc @ Meas. Temp.	⊙	⊙	⊙	⊙	⊙
Source: Rnd / Rnc	M				
Rm @ BHT	0.1 @ 188°F	⊙	⊙	⊙	⊙
Circulation Stopped	0700				
Logger on Bottom	1300				
Max. Rec. Temp.	188				
Equip. Location	7579 HOBBS				



NW

STATE: NEW MEXICO
COUNTY: LEA
API: 30-025-36253
FIELD: SAND SPRINGS
WELL CLASS: DG
YATES PETROLEUM CORP

33-10S-34E
C NE SE
1980 FSL 660 FEL SEC
STATUS: GAS

1 STRAIT STATE UNIT

SPUD: 05/21/2003 COMP: 10/08/2003 RIG REL: 07/14/2003 ELEV: 4229 KB 4209 GR
TD: 12840 (07/10/2003) FM/TD: MISSISSIPPIAN LM LOWER PBTD: 12280 DTD: 12840
CONTR: PATTERSON-UTI ENERGY INCORPORATED RIG # 497 (VERTICAL)
PROJ DEPTH/FM: 12750 MISSISSIPPIAN (ST APPD PMT: 04/17/2003) LEASE TYPE: STATE
TARGET OBJ: GAS

DTD: 12840; 12280 PB COMPDATE: 10/08/2003; # 01 IPF OIL: 27 BPD GAS: 1010 MCFD WTR:
48 BBL 18/64 CK PROD ZONE: PERF (MORROW) 12018-12335 W/ 360 ; NO CORES CUT , NO
DST RUN

CASING: 20 IN @ 40,13 3/8 IN @ 430 W/430 SACK,9 5/8 IN @ 4173 W/1285 SACK,5 1/2 IN @
12840 W/2800 SACK; TUBING: 2 7/8 IN @ 11800;
LOG TYPES: BHCS, CNL, GR, CCL;

(OVER)

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11/12/2003
CARD# 0005-NM

YATES PETROLEUM CORP

API: 30-025-36253, 33-10S-34E

1 STRAIT STATE UNIT

(CONTINUED)

LOG TOPS: RUSTLER 2235, YATES 2840, SAN ANDRES 4132, TUBB 7028, ABO /SH/ 7810,
WOLFCAMP 9180, ATOKA SH 11638, MORROW 12039, AUSTIN 12336, MISSISSIPPIAN LM
LOWER 12503;
PROD TEST(S): # 01 PERF (MORROW) 12317-12335; ACID (12317-12335) W/ 1500 GAL ACID 7
1/2% MORROW ACID W/1000 SCF N2 PER BBL ADDITIVE: NTGN; FRACTURING (12317-12335)
W/ 44700 GAL FOAM 36350 LB SAND 40# MEDALLION W/30Q CO2 + CARBOPROP ADDITIVE:
CO2 PLUGGED OFF 12280 FT 12317-12335; # 02 PERF (MORROW) 12018-12021 12039-12058
12063-12076; ACID (12018-12076) W/ 5 BBL ACID 7 1/2% MORROW ACID; FRACTURING
(12018-12076) W/ 63800 GAL FOAM 40# MEDALLION W/40Q CO2 ADDITIVE: CO2
PRODUCING INTERVALS DATA: # 01 PERF (MORROW) 12018-12335 W/ 360 SHOTS ; OIL: 27
BPD GAS: 1010 MCFD WTR: 48 BBL 18/64 CK
OPER ADD: 105 SOUTH 4TH, YATES BLDG, ARTESIA, NM 88210, (505)748-1471;

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11/12/2003
CARD# 0005-NM

COMPANY Yates Petroleum Corporation
WELL Strait State Unit #1
FIELD Wildcat
COUNTY Lea STATE New Mexico

Schlumberger Platform Express
Azimuthal Laterolog
Micro-CFL / NGT

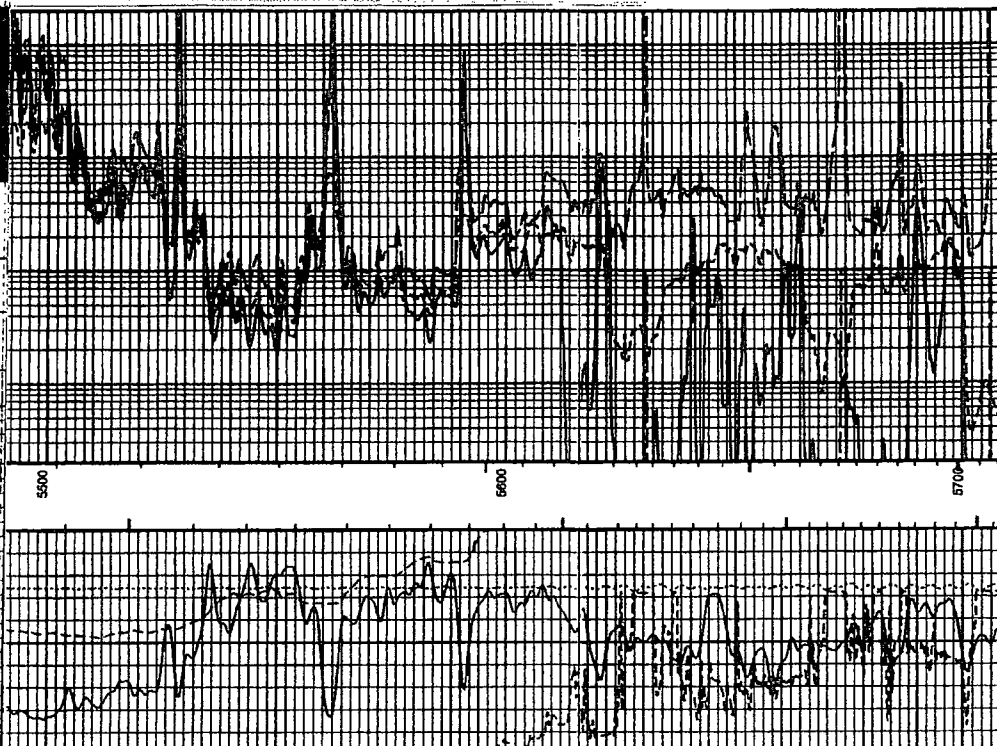
1980 FSL & 680 FEL Elev.: K.B. 4229 ft
G.L. 4209 ft
D.F. 4228 ft

Permanent Datum: Ground Level Elev.: 4209 ft
Log Measured From: Kelly Bushing 20.0 ft above Perm. Datum
Drilling Measured From: Kelly Bushing

API Serial No. 30-025-86263 SECTION 33 TOWNSHIP 10S RANGE 34E

Logging Date 11-Jul-2003
Run Number One
Depth Driller 12840 ft
Schlumberger Depth 12837 ft
Bottom Log Interval 12829 ft
Top Log Interval 4156 ft
Casing Driller Size @ Depth 8.625 in @ 4173 ft
Casing Schlumberger 4156 ft
Bit Size 8.750 in
Type Fluid In Hole Brine / Gel
Density Viscosity 10.4 lbm/gal 50 s
Fluid Loss PH 7 cm3 10.5

Source Of Sample Circulation Tank
RM @ Measured Temperature 0.084 ohm.m @ 100 degF @
RMF @ Measured Temperature 0.084 ohm.m @ 100 degF @
RMC @ Measured Temperature @ @
Source RMF RMC Measured @
RM @ MRT RMF @ MRT 0.037 @ 180 0.037 @ 180 @ @
Maximum Recorded Temperature 180 degF
Circulation Stopped Time 11-Jul-2003 1:00
Logger On Bottom Time 11-Jul-2003 11:00
Well Number 3178 Location Rowlett, NM
Recorded By Don Zittner
Witnessed By John Amlett



COMPANY Yates Petroleum Corporation
WELL Strait State Unit #1
FIELD Wildcat
COUNTY Lea STATE New Mexico

Schlumberger Platform Express
Three Detector Litho Density
Compensated Neutron / NGT

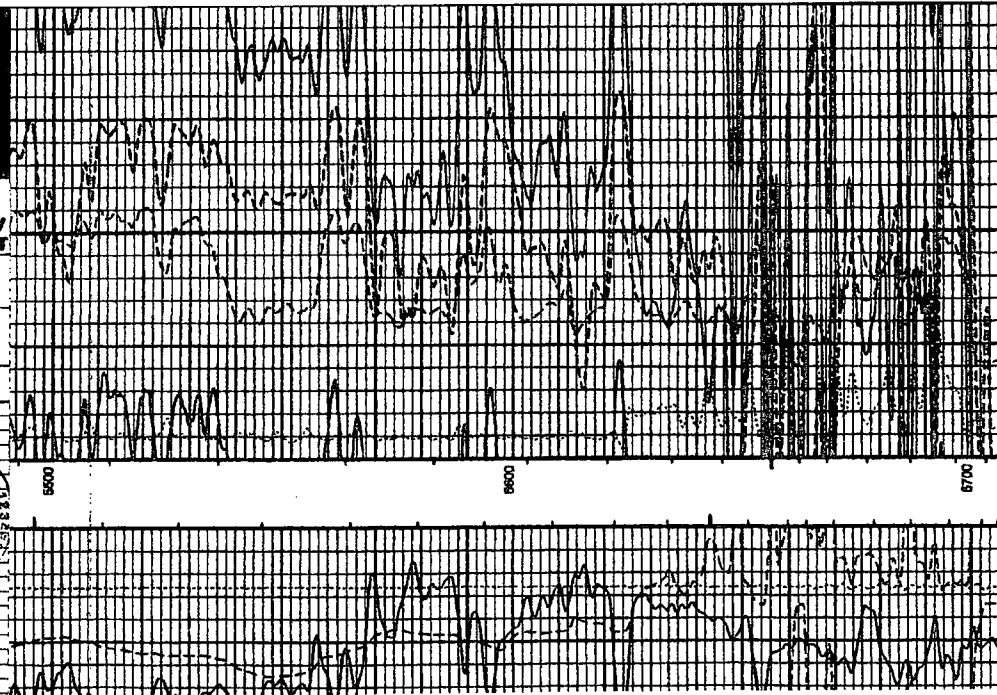
1980 FSL & 680 FEL Elev.: K.B. 4229 ft
G.L. 4209 ft
D.F. 4228 ft

Permanent Datum: Ground Level Elev.: 4209 ft
Log Measured From: Kelly Bushing 20.0 ft above Perm. Datum
Drilling Measured From: Kelly Bushing

API Serial No. 30-025-86263 SECTION 33 TOWNSHIP 10S RANGE 34E

Logging Date 11-Jul-2003
Run Number One
Depth Driller 12840 ft
Schlumberger Depth 12837 ft
Bottom Log Interval 12819 ft
Top Log Interval 200 ft
Casing Driller Size @ Depth 8.625 in @ 4173 ft
Casing Schlumberger 4156 ft
Bit Size 8.750 in
Type Fluid In Hole Brine / Gel
Density Viscosity 10.4 lbm/gal 50 s
Fluid Loss PH 7 cm3 10.5

Source Of Sample Circulation Tank
RM @ Measured Temperature 0.084 ohm.m @ 100 degF @
RMF @ Measured Temperature 0.084 ohm.m @ 100 degF @
RMC @ Measured Temperature @ @
Source RMF RMC Measured @
RM @ MRT RMF @ MRT 0.037 @ 180 0.037 @ 180 @ @
Maximum Recorded Temperature 180 degF
Circulation Stopped Time 11-Jul-2003 1:00



New Mexico Salt Water Disposal Company, Inc.
 1980' FSL & 660'FEL
 Unit Letter I, Section 28
 T10S-R34E
 Lea County, NM

Convert State 28 #1 well to a Glorieta Zone Disposal Well

Disposal Depth	Average Daily Rate Barrels per Day	Maximum Daily Rate Barrels Per Day	Average Injection Pressure (PSI)	Maximum Injection Pressure (PSI)	Public Use	Private Use Only
5588-5660	1700	3500	200-300	800	Yes	No
					Trucked Water Various Fields Lea & Roosevelt Counties	

TraceAnalysis, Inc.

email: lab@traceanalysis.com

6701 Aberdeen Avenue, Suite 9
Lubbock, Texas 79424
Tel (806) 794-1296
Fax (806) 794-1298
1 (800) 378-1296

5002 Basin Street, Suite A1
Midland, Texas 79703
Tel (432) 689-6301
Fax (432) 689-6313

200 East Sunset Rd., Suite E
El Paso, Texas 79922
Tel (915) 585-3443
Fax (915) 585-4944
1 (888) 588-3443

8808 Camp Bowie Blvd. West, Suite 180
Ft. Worth, Texas 76116
Tel (817) 201-5260
Fax (817) 560-4336

Company Name: New Mexico Salt Water Disposal Co. 575-622-8800				Phone #: 575-622-8800				ANALYSIS REQUEST (Circle or Specify Method No.)			
Address: PO Box 1213 Roswell NM 88202-1213				Fax #: 575-622-8805							
Contact Person: Dory McMinin				E-mail: DoryMcMinin@sta.com							
Invoice to: PO Box 1518 Roswell NM 88202-1518											
Project #: NMSWD Kizer Project				Project Name: Kizer Project							
Project Location (including state): Lea, Co. NM.								Sampler Signature: <i>[Signature]</i>			

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX				PRESERVATIVE METHOD						SAMPLING		MTBE 8021B / 602 / 8260B / 624	BTX 8021B / 602 / 8260B / 624	TPH 418.1 / TX1005 / TX1005 Ext(C3)	TPH 8015 GRO / DRO / TVHC	PAH 8270C / 625	Total Metals Ag As Ba Cd Cr Pb Se Hg 60106/2007	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C / 625	PCB's 8032 / 608	Pesticides 8081A / 608	BOD (5d) 8010	Moisture Content	Na, Si, Ca, Mg, K, SO4, CL, ALK, COND.	Turn Around Time if different from standard	Hold
				WATER	SOIL	AIR	SLUDGE	HCl	HNO3	H2SO4	NaOH	ICE	NONE	DATE	TIME																				
17800	Kizer Project	6		X				XX		XX					11/6/08	1500																			
	Temp Blank																																		

Relinquished by: <i>[Signature]</i>	Company: CMW	Date: 11/6/08	Time: 0800	Received by: En Stone	Company: IA	Date: 11-6-08	Time: 9:30	Temp°C: 5.9
Relinquished by: <i>[Signature]</i>	Company: CMW	Date: 11/6/08	Time: 0800	Received by: En Stone	Company: IA	Date: 11-6-08	Time: 9:30	Temp°C: 5.9
Relinquished by: <i>[Signature]</i>	Company: CMW	Date: 11/6/08	Time: 0800	Received by: En Stone	Company: IA	Date: 11-6-08	Time: 9:30	Temp°C: 5.9

LAB USE ONLY

Intact ☒ Y ☐ N

Headspace ☒ Y ☐ N

Log-In Review ☒ Y ☐ N

REMARKS: **Sample Bottles:**

3x41mL Vials/WCL

1x500 mL/P/KNO3

1x1 Liter/ Nine Amber Glas

☐ Dry Weight Basis Required

☐ TRRP Report Required

☐ Check If Special Reporting Limits Are Needed

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C. O. C.

Carrier # FedEx 862326069961 — GLI 3049888237

Report Date: November 14, 2008
NMSWD Kizer Project

Work Order: 8110901
Kizer Project

Page Number: 1 of 5
Lea Co., NM

Summary Report

Rory McMinn
New Mexico Salt Water Disposal Co.
P.O. box 1213
Roswell, NM 88202

Report Date: November 14, 2008

Work Order: 8110901



Project Location: Lea Co., NM
Project Name: Kizer Project
Project Number: NMSWD Kizer Project

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
178800	Kizer Project	water	2008-11-06	15:00	2008-11-08

Sample: 178800 - Kizer Project

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1.00
Bicarbonate Alkalinity		380	mg/L as CaCo3	4.00
Total Alkalinity		380	mg/L as CaCo3	4.00
Dissolved Calcium		4090	mg/L	1.00
Chloride		72900	mg/L	3.00
Specific Conductance		92900	uMHOS/cm	0.00
Dissolved Potassium		915	mg/L	1.00
Dissolved Magnesium		883	mg/L	1.00
Dissolved Sodium		35000	mg/L	1.00
pH		6.48	s.u.	0.00
Pyridine		<0.0238	mg/L	0.00500
N-Nitrosodimethylamine		<0.0238	mg/L	0.00500
2-Picoline		<0.0238	mg/L	0.00500
Methyl methanesulfonate		<0.0238	mg/L	0.00500
Ethyl methanesulfonate		<0.0238	mg/L	0.00500
Phenol		0.292	mg/L	0.00500
Aniline		<0.0238	mg/L	0.00500
bis(2-chloroethyl)ether		<0.0238	mg/L	0.00500
2-Chlorophenol		<0.0238	mg/L	0.00500
1,3-Dichlorobenzene (meta)		<0.0238	mg/L	0.00500

continued ...

sample 178800 continued ...

Param	Flag	Result	Units	RL
1,4-Dichlorobenzene (para)		<0.0238	mg/L	0.00500
Benzyl alcohol		<0.0238	mg/L	0.00500
1,2-Dichlorobenzene (ortho)		<0.0238	mg/L	0.00500
2-Methylphenol		0.176	mg/L	0.00500
bis(2-chloroisopropyl)ether		<0.0238	mg/L	0.00500
4-Methylphenol / 3-Methylphenol		0.136	mg/L	0.00500
N-Nitrosodi-n-propylamine		<0.0238	mg/L	0.00500
Hexachloroethane		<0.0238	mg/L	0.00500
Acetophenone		<0.0238	mg/L	0.00500
Nitrobenzene		<0.0238	mg/L	0.00500
N-Nitrosopiperidine		<0.0238	mg/L	0.00500
Isophorone		<0.0238	mg/L	0.00500
2-Nitrophenol		<0.0238	mg/L	0.00500
2,4-Dimethylphenol		0.0724	mg/L	0.00500
bis(2-chloroethoxy)methane		<0.0238	mg/L	0.00500
2,4-Dichlorophenol		<0.0238	mg/L	0.00500
1,2,4-Trichlorobenzene		<0.0238	mg/L	0.00500
Benzoic acid		<0.0238	mg/L	0.00500
Naphthalene		0.0830	mg/L	0.00500
a,a-Dimethylphenethylamine		<0.0238	mg/L	0.00500
4-Chloroaniline		<0.0238	mg/L	0.00500
2,6-Dichlorophenol		<0.0476	mg/L	0.0100
Hexachlorobutadiene		<0.0238	mg/L	0.00500
N-Nitroso-di-n-butylamine		<0.0238	mg/L	0.00500
4-Chloro-3-methylphenol		<0.0238	mg/L	0.00500
2-Methylnaphthalene		0.0667	mg/L	0.00500
1-Methylnaphthalene		0.0498	mg/L	0.00500
1,2,4,5-Tetrachlorobenzene		<0.0238	mg/L	0.00500
Hexachlorocyclopentadiene		<0.0238	mg/L	0.00500
2,4,6-Trichlorophenol		<0.0476	mg/L	0.0100
2,4,5-Trichlorophenol		<0.0238	mg/L	0.00500
2-Chloronaphthalene		<0.0238	mg/L	0.00500
1-Chloronaphthalene		<0.0238	mg/L	0.00500
2-Nitroaniline		<0.0238	mg/L	0.00500
Dimethylphthalate		<0.0238	mg/L	0.00500
Acenaphthylene		<0.0238	mg/L	0.00500
2,6-Dinitrotoluene		<0.0238	mg/L	0.00500
3-Nitroaniline		<0.0238	mg/L	0.00500
Acenaphthene		<0.0238	mg/L	0.00500
2,4-Dinitrophenol		<0.0238	mg/L	0.00500
Dibenzofuran		<0.0238	mg/L	0.00500
Pentachlorobenzene		<0.0238	mg/L	0.00500
4-Nitrophenol		<0.119	mg/L	0.0250
2,4-Dinitrotoluene		<0.0238	mg/L	0.00500
1-Naphthylamine		<0.0238	mg/L	0.00500
2,3,4,6-Tetrachlorophenol		<0.0476	mg/L	0.0100
2-Naphthylamine		<0.0238	mg/L	0.00500

continued ...

sample 178800 continued ...

Param	Flag	Result	Units	RL
Fluorene		<0.0238	mg/L	0.00500
4-Chlorophenyl-phenylether		<0.0238	mg/L	0.00500
Diethylphthalate		<0.0238	mg/L	0.00500
4-Nitroaniline		<0.0238	mg/L	0.00500
Diphenylhydrazine		<0.0238	mg/L	0.00500
4,6-Dinitro-2-methylphenol		<0.0238	mg/L	0.00500
Diphenylamine		<0.0238	mg/L	0.00500
4-Bromophenyl-phenylether		<0.0238	mg/L	0.00500
Phenacetin		<0.0238	mg/L	0.00500
Hexachlorobenzene		<0.0238	mg/L	0.00500
4-Aminobiphenyl		<0.0238	mg/L	0.00500
Pentachlorophenol		<0.0476	mg/L	0.0100
Anthracene		<0.0238	mg/L	0.00500
Pentachloronitrobenzene		<0.0238	mg/L	0.00500
Pronamide		<0.0238	mg/L	0.00500
Phenanthrene		<0.0238	mg/L	0.00500
Di-n-butylphthalate		<0.0238	mg/L	0.00500
Fluoranthene		<0.0238	mg/L	0.00500
Benzidine		<0.119	mg/L	0.0250
Pyrene		<0.0238	mg/L	0.00500
p-Dimethylaminoazobenzene		<0.0238	mg/L	0.00500
Butylbenzylphthalate		<0.0238	mg/L	0.00500
Benzo(a)anthracene		<0.0238	mg/L	0.00500
3,3-Dichlorobenzidine		<0.0238	mg/L	0.00500
Chrysene		<0.0238	mg/L	0.00500
bis(2-ethylhexyl)phthalate		<0.0238	mg/L	0.00500
Di-n-octylphthalate		<0.0238	mg/L	0.00500
Benzo(b)fluoranthene		<0.0238	mg/L	0.00500
Benzo(k)fluoranthene		<0.0238	mg/L	0.00500
7,12-Dimethylbenz(a)anthracene		<0.0238	mg/L	0.00500
Benzo(a)pyrene		<0.0238	mg/L	0.00500
3-Methylcholanthrene		<0.0238	mg/L	0.00500
Dibenzo(a,j)acridine		<0.0238	mg/L	0.00500
Indeno(1,2,3-cd)pyrene		<0.0238	mg/L	0.00500
Dibenzo(a,h)anthracene		<0.0238	mg/L	0.00500
Benzo(g,h,i)perylene		<0.0238	mg/L	0.00500
Total Silica		<0.0500	mg/L	0.0500
Sulfate		1170	mg/L	1.00
Total Dissolved Solids		118600	mg/L	10.00
Total Silver		<0.00500	mg/L	0.00500
Total Arsenic		<0.0100	mg/L	0.0100
Total Barium		0.278	mg/L	0.00500
Total Cadmium		<0.00200	mg/L	0.00200
Total Chromium		<0.00500	mg/L	0.00500
Total Mercury		<0.000200	mg/L	0.000200
Total Lead		0.0150	mg/L	0.00500
Total Selenium		<0.0200	mg/L	0.0200

continued ...

sample 178800 continued ...

Param	Flag	Result	Units	RL
Total Suspended Solids		41.0	mg/L	1.00
Bromochloromethane		<200	µg/L	1.00
Dichlorodifluoromethane		<200	µg/L	1.00
Chloromethane (methyl chloride)		<200	µg/L	1.00
Vinyl Chloride		<200	µg/L	1.00
Bromomethane (methyl bromide)		<1000	µg/L	5.00
Chloroethane		<200	µg/L	1.00
Trichlorofluoromethane		<200	µg/L	1.00
Acetone		2540	µg/L	10.0
Iodomethane (methyl iodide)		<1000	µg/L	5.00
Carbon Disulfide		<200	µg/L	1.00
Acrylonitrile		<200	µg/L	1.00
2-Butanone (MEK)		<1000	µg/L	5.00
4-Methyl-2-pentanone (MIBK)		<1000	µg/L	5.00
2-Hexanone		<1000	µg/L	5.00
trans 1,4-Dichloro-2-butene		<2000	µg/L	10.0
1,1-Dichloroethene		<200	µg/L	1.00
Methylene chloride		<1000	µg/L	5.00
MTBE		<200	µg/L	1.00
trans-1,2-Dichloroethene		<200	µg/L	1.00
1,1-Dichloroethane		<200	µg/L	1.00
cis-1,2-Dichloroethene		<200	µg/L	1.00
2,2-Dichloropropane		<200	µg/L	1.00
1,2-Dichloroethane (EDC)		<200	µg/L	1.00
Chloroform		<200	µg/L	1.00
1,1,1-Trichloroethane		<200	µg/L	1.00
1,1-Dichloropropene		<200	µg/L	1.00
Benzene		1200	µg/L	1.00
Carbon Tetrachloride		<200	µg/L	1.00
1,2-Dichloropropane		<200	µg/L	1.00
Trichloroethene (TCE)		<200	µg/L	1.00
Dibromomethane (methylene bromide)		<200	µg/L	1.00
Bromodichloromethane		<200	µg/L	1.00
2-Chloroethyl vinyl ether		<1000	µg/L	5.00
cis-1,3-Dichloropropene		<200	µg/L	1.00
trans-1,3-Dichloropropene		<200	µg/L	1.00
Toluene		1300	µg/L	1.00
1,1,2-Trichloroethane		<200	µg/L	1.00
1,3-Dichloropropane		<200	µg/L	1.00
Dibromochloromethane		<200	µg/L	1.00
1,2-Dibromoethane (EDB)		<200	µg/L	1.00
Tetrachloroethene (PCE)		<200	µg/L	1.00
Chlorobenzene		<200	µg/L	1.00
1,1,1,2-Tetrachloroethane		<200	µg/L	1.00
Ethylbenzene		<200	µg/L	1.00
m,p-Xylene		476	µg/L	1.00
Bromoform		<200	µg/L	1.00

continued ...

sample 178800 continued ...

Param	Flag	Result	Units	RL
Styrene		<200	µg/L	1.00
o-Xylene		233	µg/L	1.00
1,1,2,2-Tetrachloroethane		<200	µg/L	1.00
2-Chlorotoluene		<200	µg/L	1.00
1,2,3-Trichloropropane		<200	µg/L	1.00
Isopropylbenzene		<200	µg/L	1.00
Bromobenzene		<200	µg/L	1.00
n-Propylbenzene		<200	µg/L	1.00
1,3,5-Trimethylbenzene		<200	µg/L	1.00
tert-Butylbenzene		<200	µg/L	1.00
1,2,4-Trimethylbenzene		<200	µg/L	1.00
1,4-Dichlorobenzene (para)		<200	µg/L	1.00
sec-Butylbenzene		<200	µg/L	1.00
1,3-Dichlorobenzene (meta)		<200	µg/L	1.00
p-Isopropyltoluene		<200	µg/L	1.00
4-Chlorotoluene		<200	µg/L	1.00
1,2-Dichlorobenzene (ortho)		<200	µg/L	1.00
n-Butylbenzene		<200	µg/L	1.00
1,2-Dibromo-3-chloropropane		<1000	µg/L	5.00
1,2,3-Trichlorobenzene		<1000	µg/L	5.00
1,2,4-Trichlorobenzene		<1000	µg/L	5.00
Naphthalene		<1000	µg/L	5.00
Hexachlorobutadiene		<1000	µg/L	5.00

Closest Formation Water Sample to State 28 #1

Sample Taken from field separator

Information found on Go-Tech Website

API # 30-025-00975

Legacy Reserves Operating, LP #3 Land B

660' FNL & 1980' FWL

Section 1, T10S-R33E

Lane Field

Lea County, NM

TDS mg/l

84547

	<u>Cation mg/l</u>		<u>Anion mg/l</u>
Potassium (K)	0	Sulfate (SO)	211
Sodium (Na)	0	Chloride (CL)	51580
Calcium (Ca)	0	Carbonate (Co3)	0
Magnesium (Mg)	0	Bicarbonate (HCO3)	407
Barium (Ba)	0	Hydroxide (OH)	0
Manganese (Mn)	0	Hydrogen Sulfide (H2S)	0
Strontium (Sr)	0	Carbon Dioxide (CO2)	0
Iron (Fe)	0	Oxygen (O)	0

74
berger

SIMULTANEOUS COMPENSATED NEUTRON- FORMATION DENSITY

COMPANY Tipperary Oil and Gas
Company

WELL State 28" #1

ELD Wildcat

COUNTY Lea STATE New Mexico

1980 FSL + 660 FBL

Other Services:

BHC-Gr
S-DLLR_{xo}
HDT

SERIAL NO	SEC	TWP	RANGE
	28	10-S	34-E

GL 4209
RB 17 Ft. Above Perm. Datum
KB

Elev.: K.B. 4226
D.F.
G.L.

8-27-77

one

13531

13522

13521

4208

850 @ 4206

4208

7 1/8

Salt type

9.5 43

7 10 ml

0.87 @ 82 F

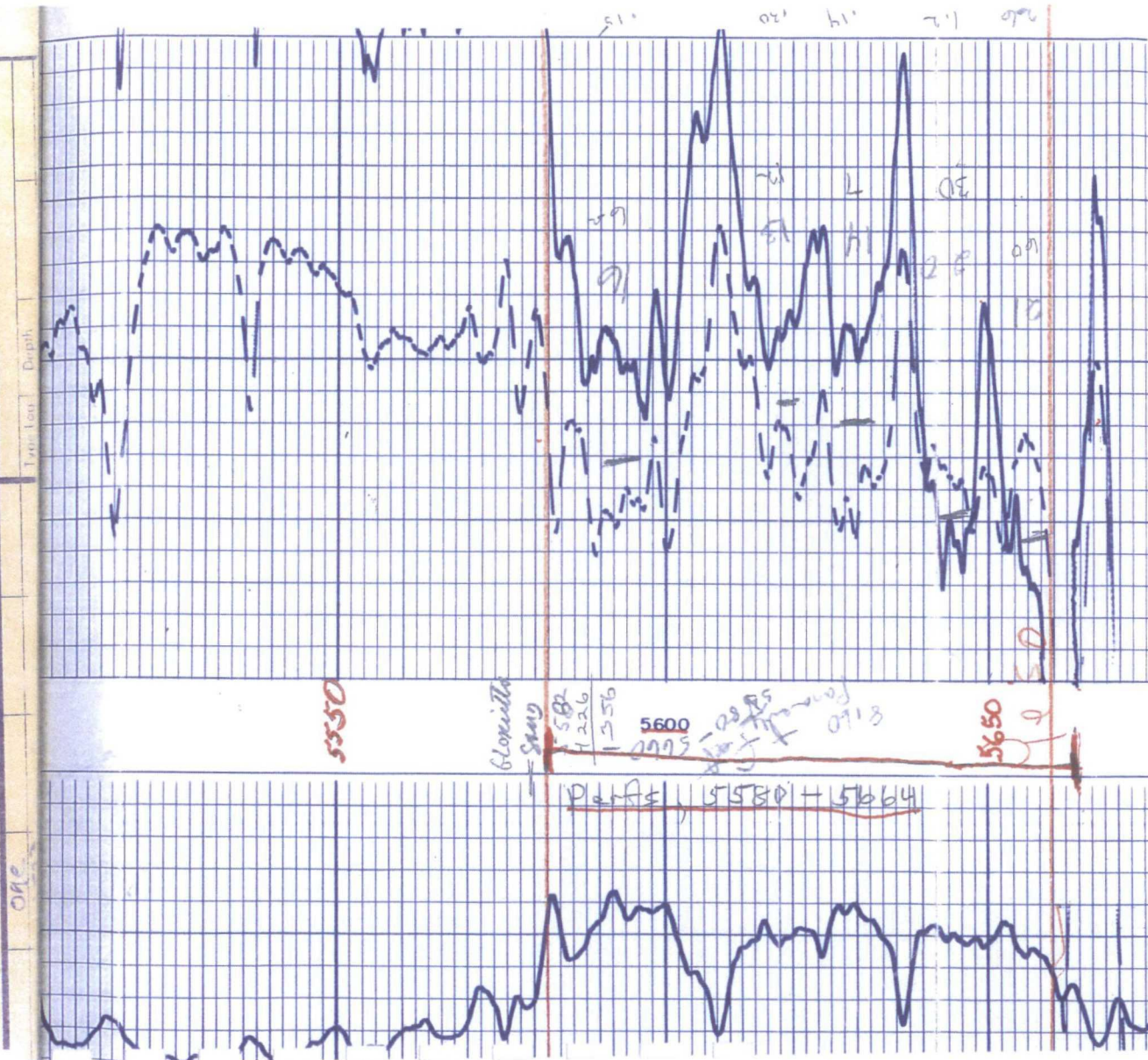
0.65 @ 82 F

- @ - F

in

7 10

The well name, location and borehole reference data were furnished by the customer.



OSE

SECTION _____

TOWNSHIP 11S

RANGE 34E

Form WR-23

STATE ENGINEER OFFICE

WELL RECORD

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the nearest district office of the State Engineer. All sections, except Section 5, shall be answered as completely and accurately as possible when any well is drilled, repaired or deepened. When this form is used as a plugging record, only Section 1A and Section 5 need be completed.

Section 1

o			

(A) Owner of well Tri-Service Drilling Co.
 Street and Number P.O. Box 1785
 City Midland 79701 State Texas
 Well was drilled under Permit No. L-6394(E) and is located in the
1/4 NW 1/4 NW 1/4 of Section 3 Twp. 11 S Rge. 34 E
 (B) Drilling Contractor Abbott Brothers License No. WD-46
 Street and Number P.O. Box 637
 City Hobbs New Mexico 88240 State New Mexico
 Drilling was commenced November 5 19____
 Drilling was completed November 5 1968

(Plat of 640 acres)

Elevation at top of casing in feet above sea level _____ Total depth of well 110
 State whether well is shallow or artesian Shallow Depth to water upon completion 80

Section 2

PRINCIPAL WATER-BEARING STRATA

No.	Depth in Feet		Thickness in Feet	Description of Water-Bearing Formation
	From	To		
1	80	110	30	Water Sand
2				
3				
4				
5				

Section 3

RECORD OF CASING

Dia in.	Pounds ft.	Threads in	Depth		Feet	Type Shoe	Perforations	
			Top	Bottom			From	To
7	22	10	0	95	95	open	70	95

Section 4

RECORD OF MUDDING AND CEMENTING

Depth in Feet		Diameter Hole in in.	Tons Clay	No. Sacks of Cement	Methods Used
From	To				

Section 5

PLUGGING RECORD

Name of Plugging Contractor _____ License No. _____
 Street and Number _____ City _____ State _____
 Tons of Clay used _____ Tons of Roughage used _____ Type of roughage _____
 Plugging method used _____ Date Plugged _____ 19____
 Plugging approved by: _____ Cement Plugs were placed as follows:

No.	Depth of Plug		No. of Sacks Used
	From	To	

Basin Supervisor _____

FOR USE OF STATE ENGINEER ONLY

Date Received 1968 DEC -2 AM 8:46

File No. L-6394(E) Use OWD Location No. 11-34-3-112

LOG OF WELL

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described well.

Murrell Abbott
Well Driller

FIELD ENGR. LOG

WELL RECORD

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the nearest district office of the State Engineer. All sections, except Section 5, shall be answered as completely and accurately as possible when any well is drilled, repaired or deepened. When this form is used as a plugging record, only Section 1A and Section 5 need be completed.

Section 1

(Plat of 640 acres)

(A) Owner of well D. L. Mc Farland Inc.
 Street and Number 3612 W. Wall St.
 City Midland State Texas
 Well was drilled under Permit No. L 5023 and is located in the
S 1/4 N 1/4 E 1/4 1/4 of Section 7 Twp. 11 S. Rge. 3 E.
 (B) Drilling Contractor Arday Beckus License No. W 3 122
 Street and Number Box 791
 City Levellington State New Mexico
 Drilling was commenced _____ 19____
 Drilling was completed _____ 19____

Elevation at top of casing in feet above sea level _____ Total depth of well 140 ft.
 State whether well is shallow or artesian Shallow Depth to water upon completion 85 ft.

Section 2

PRINCIPAL WATER-BEARING STRATA

No.	Depth in Feet		Thickness in Feet	Description of Water-Bearing Formation
	From	To		
1	85	94	9 ft.	Quick Sand
2	116	124	8 ft.	Water Sand
3				
4				
5				

Section 3

RECORD OF CASING

Dia. in.	Pounds ft.	Threads in.	Depth		Feet	Type Shoe	Perforations	
			Top	Bottom			From	To
7 in.	18	10	0	140	140		85	130

Section 4

RECORD OF MUDDING AND CEMENTING

Depth in Feet		Diameter Hole in in.	Tons Clay	No. Sacks of Cement	Methods Used
From	To				
		8 in.			

Section 5

PLUGGING RECORD

Name of Plugging Contractor _____ License No. _____
 Street and Number _____ City _____ State _____
 Tons of Clay used _____ Tons of Roughage used _____ Type of roughage _____
 Plugging method used _____ Date Plugged _____ 19____
 Plugging approved by: _____

Cement Plugs were placed as follows:

No.	Depth of Plug		No. of Sacks Used
	From	To	

Basin Supervisor _____
 FOR USE OF STATE ENGINEER ONLY
 Date Received 1964 FEB 17 AM 8 19
 File No. L 5023 Use 2200 Location No. 11.34.7.238

owd-ok

LOG OF WELL

L S Elev _____
Depth to K _____ Trc _____
Elev of K _____ Trc _____

Loc. No.

Hydro. Survey _____ Field Check _____

~~SOURCE OF ALTITUDE GIVEN~~

~~Interpolated from Topo. Sheet.~~

~~Determined by Inst. Leveling~~

Other

Grady Barker
Well Driller

L-5023

11.34. 7.230

ENGINEER COPY

Form WR-23

STATE ENGINEER OFFICE

State "D" 3

WELL RECORD

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the nearest district office of the State Engineer. All sections, except Section 5, shall be answered as completely and accurately as possible when any well is drilled, repaired or deepened. When this form is used as a plugging record, only Section 1A and Section 5 need be completed.

Section 1

		0	

(A) Owner of well Dactus Drilling CorporationStreet and Number P.O. Box 32City Midland 79701State TexasWell was drilled under Permit No. L-6458(E) and is located in theN $\frac{1}{2}$ $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$ of Section 8 Twp. 11S Rge. 34E(B) Drilling Contractor Abbott BrothersLicense No. WD-46Street and Number P.O. Box 637City Hobbs 88204 88240State New MexicoDrilling was commenced December 27

19

Drilling was completed December 2719 68

(Plat of 640 acres)

Elevation at top of casing in feet above sea level _____ Total depth of well 90State whether well is shallow or artesian shallow Depth to water upon completion 32

Section 2

PRINCIPAL WATER-BEARING STRATA

No.	Depth in Feet		Thickness in Feet	Description of Water-Bearing Formation
	From	To		
1	61	80	19	sand
2				
3				
4				
5				

Section 3

RECORD OF CASING

Dia in.	Pounds ft.	Threads in	Depth		Feet	Type Shoe	Perforations	
			Top	Bottom			From	To
7	27	10	-5	90	95	open	51	80

Section 4

RECORD OF MUDDING AND CEMENTING

Depth in Feet		Diameter Hole in in.	Tons Clay	No. Sacks of Cement	Methods Used
From	To				

Section 5

PLUGGING RECORD

Name of Plugging Contractor _____ License No. _____

Street and Number _____ City _____ State _____

Tons of Clay used _____ Tons of Roughage used _____ Type of roughage _____

Plugging method used _____ Date Plugged _____ 19 _____

Plugging approved by: _____

Cement Plugs were placed as follows:

No.	Depth of Plug		No. of Sacks Used
	From	To	

Basin Supervisor

FOR USE OF STATE ENGINEER ONLY

STATE ENGINEER OFFICE

Date Received 6-NOV-59 5961

File No. L-6458(E) Use OWD Location No. 11.34.8.2/32

LOG OF WELL

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described well.

Murrell Abbott
Well Driller

STATE ENGINEER OFFICE

WELL RECORD

Section 1. GENERAL INFORMATION

(A) Owner of well _____ Owner's Well No. _____
 Street or Post Office Address _____
 City and State _____

Well was drilled under Permit No. _____ and is located in the:

a. _____ $\frac{1}{4}$ _____ $\frac{1}{4}$ _____ $\frac{1}{4}$ of Section _____ Township _____ Range _____ N.M.P.M.

b. Tract No. _____ of Map No. _____ of the _____

c. Lot No. _____ of Block No. _____ of the _____
 Subdivision, recorded in _____ County.

d. X= _____ feet, Y= _____ feet, N.M. Coordinate System _____ Zone in
 the _____ Grant.

(B) Drilling Contractor _____ License No. _____

Address _____

Drilling Began _____ Completed _____ Type tools _____ Size of hole _____ in.

Elevation of land surface or _____ at well is _____ ft. Total depth of well _____ ft.

Completed well is ☐ shallow ☐ artesian. Depth to water upon completion of well _____ ft.

Section 2. PRINCIPAL WATER-BEARING STRATA

Depth in Feet		Thickness in Feet	Description of Water-Bearing Formation	Estimated Yield (gallons per minute)
From	To			

Section 3. RECORD OF CASING

Diameter (inches)	Pounds per foot	Threads per in.	Depth in Feet		Length (feet)	Type of Shoe	Perforations	
			Top	Bottom			From	To

Section 4. RECORD OF MUDDING AND CEMENTING

Depth in Feet		Hole Diameter	Sacks of Mud	Cubic Feet of Cement	Method of Placement
From	To				

Section 5. PLUGGING RECORD

Plugging Contractor _____
 Address _____
 Plugging Method _____
 Date Well Plugged _____
 Plugging approved by: _____

State Engineer Representative

No.	Depth in Feet		Cubic Feet of Cement
	Top	Bottom	
1			
2			
3			
4			

FOR USE OF STATE ENGINEER ONLY

Date Received _____

Typed 4/29/75

Quad _____ FWL _____ FSL _____

File No. _____ Use O11 Test Location No. 11.34.15.44000

[illegible]

This sample description log taken from the files of H. S. Cave.

Location: 11.34.15.44000 Elevation: 4169 D.F.
Owner: Cameron Oil Company No. 1 Bogle Farms
Date Completed: --
Depth of Well: 13,249'

Driller

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to appropriate district office of the State Engineer. All questions, except Section 5, shall be answered as completely and accurately as possible when any well is drilled, repaired or deepened. When this form is used as a plugging record, only Section 1(a) and Section 5 need be completed.

WELL RECORD

LOG FILED

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the nearest district office of the State Engineer. All sections, except Section 5, shall be answered as completely and accurately as possible when any well is drilled, repaired or deepened. When this form is used as a plugging record, only Section 1A and Section 5 need be completed.

Section 1

o			

(A) Owner of well TRI-SERVICE DRILLING CO.

Street and Number BOX 1785

City MIDLAND, TEXAS

State

Well was drilled under Permit No. L-6372 (E) and is located in the $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$ of Section 16 Twp. 113 Rge. 34E

(B) Drilling Contractor ABBOTT BROS.

License No. WT-46

Street and Number BOX 637

City HOBBS, N.M.

State

Drilling was commenced 19

Drilling was completed 19

(Flat of 640 acres)

Elevation at top of casing in feet above sea level Total depth of well
State whether well is shallow or artesian Depth to water upon completion

Section 2

PRINCIPAL WATER-BEARING STRATA

No.	Depth in Feet		Thickness in Feet	Description of Water-Bearing Formation
	From	To		
1				
2				
3				
4				
5				

Section 3

RECORD OF CASING

Dia. in.	Pounds ft.	Threads in	Depth		Feet	Type Shoe	Perforations	
			Top	Bottom			From	To

Section 4

RECORD OF MUDDING AND CEMENTING

Depth in Feet		Diameter Hole in in.	Tons Clay	No. Sacks of Cement	Methods Used
From	To				

Section 5

PLUGGING RECORD

Name of Plugging Contractor ABBOTT BROS. License No. WT-46
Street and Number BOX 637 City HOBBS State N.M.
Tons of Clay used Tons of Roughage used Type of roughage
Plugging method used STEEL CAFE Date Plugged OCT. 31 19 68
Plugging approved by: Cement Plugs were placed as follows:

Basin Supervisor

FOR USE OF STATE ENGINEER ONLY

Date Received 81 8 NOV 51 100 6951

File No. L-6372(E) Use OWD Location No. 11 34.16, 13

No.	Depth of Plug		No. of Sacks Used
	From	To	

Section 6

LOG OF WELL

[illegible]

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described well.

Well Driller

FIELD ENG. LOG

WELL RECORD

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the nearest district office of the State Engineer. All sections, except Section 5, shall be answered as completely and accurately as possible when any well is drilled, repaired or deepened. When this form is used as a plugging record, only Section 1A and Section 5 need be completed.

Section 1

0			

(A) Owner of well TRI-SERVICE DRILLING COMPANYStreet and Number P.O. Box 1785City Midland 79701State TexasWell was drilled under Permit No. L-6372(E) and is located in the1/4 SW 1/4 NW 1/4 of Section 16 Twp. 11 S Rge. 34 E(B) Drilling Contractor Ibbott BrothersLicense No. WD-48Street and Number P.O. Box 637City Hobbs 88240State New MexicoDrilling was commenced August 18

19

Drilling was completed August 1919 68

(Plat of 640 acres)

Elevation at top of casing in feet above sea level _____ Total depth of well 124State whether well is shallow or artesian shallow Depth to water upon completion 80

Section 2

PRINCIPAL WATER-BEARING STRATA

No.	Depth in Feet		Thickness in Feet	Description of Water-Bearing Formation
	From	To		
1	80	110	30	white sand, water
2	112	120	8	yellow sand, water
3				
4				
5				

Section 3

RECORD OF CASING

Dia in.	Pounds ft.	Threads in	Depth		Feet	Type Shoe	Perforations	
			Top	Bottom			From	To
8	surface nipple	only			5			

Section 4

RECORD OF MUDDING AND CEMENTING

Depth in Feet		Diameter Hole in in.	Tons Clay	No. Sacks of Cement	Methods Used
From	To				

Section 5

PLUGGING RECORD

Name of Plugging Contractor _____

License No. _____

Street and Number _____

City _____

State _____

Tons of Clay used _____

Tons of Roughage used _____

Type of roughage _____

Plugging method used _____

Date Plugged _____

19

Plugging approved by: _____

Cement Plugs were placed as follows:

No.	Depth of Plug		No. of Sacks Used
	From	To	

Basin Supervisor _____

FOR USE OF STATE ENGINEER ONLY

Date Received _____

62-8-100 8961

File No. 1-6372(E)Use WDLocation No. 11.34.16.133

LOG OF WELL

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described well.

Murrell Abbott Jr.
Well Driller

WELL RECORD

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the nearest district office of the State Engineer. All sections, except Section 5, shall be answered as completely and accurately as possible when any well is drilled, repaired or deepened. When this form is used as a plugging record, only Section 1A and Section 5 need be completed.

Section 1

0			

(Plat of 640 acres)

(A) Owner of well Sharp Drilling Co.
 Street and Number Box 1271
 City Midland State Texas
 Well was drilled under Permit No. L-3137 and is located in the
SW $\frac{1}{4}$ $\frac{1}{4}$ of Section 16 Twp. 11S Rge. 34 East
 (B) Drilling Contractor Charles Drilling License No. W.D. 144
 Street and Number Box 545
 City Lovington State New Mexico
 Drilling was commenced March 9 1956
 Drilling was completed March 10 1956

Elevation at top of casing in feet above sea level Shallow Total depth of well 85
 State whether well is shallow or artesian Shallow Depth to water upon completion 45

Section 2

PRINCIPAL WATER-BEARING STRATA

No.	Depth in Feet		Thickness in Feet	Description of Water-Bearing Formation
	From	To		
1	35	65	30	Sandy Clay + Soft Sandstone
2	65	75	10	Loose jointed white clay
3				
4				
5				

Section 3

RECORD OF CASING

Dia in.	Pounds ft.	Threads in	Depth		Feet	Type Shoe	Perforations	
			Top	Bottom			From	To

Section 4

RECORD OF MUDDING AND CEMENTING

Depth in Feet		Diameter Hole in in.	Tons Clay	No. Sacks of Cement	Methods Used
From	To				

Section 5

PLUGGING RECORD

Name of Plugging Contractor _____ License No. _____
 Street and Number _____ City _____ State _____
 Tons of Clay used _____ Tons of Roughage used _____ Type of roughage _____
 Plugging method used _____ Date Plugged _____ 19 _____
 Plugging approved by: _____ Cement Plugs were placed as follows:

No.	Depth of Plug		No. of Sacks Used
	From	To	

Basin Supervisor

FOR USE OF STATE ENGINEER ONLY

Date Received MAR 22 1956

OFFICE
GROUND WATER SUPERVISOR
ROSWELL, NEW MEXICO

File No. L-3137 Use O.W.P. Location No. 11.34.16.330
332431

DPN 23-10690

LOG OF WELL

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described well.

11.34.16.330

WELL RECORD

Section 1

				(A) Owner of well	<u>Maroon Drilling Company</u>
				Street and Number	<u>P.O. Box 5094</u>
				City	<u>Midland</u>
				State	<u>Texas</u>
				Well was drilled under Permit No.	<u>L-6122</u>
				and is located in the	<u>118</u> <u>34E</u>
				<u>S</u> $\frac{1}{4}$ <u>S</u> $\frac{1}{4}$ <u>W</u> $\frac{1}{4}$ of Section	<u>17</u>
				Twp.	<u>11S</u>
				Rge.	<u>34E</u>
				(B) Drilling Contractor	<u>Abbott Brothers</u>
				License No.	<u>W046</u>
				Street and Number	<u>P.O. Box 637</u>
				City	<u>Midland</u>
				State	<u>Texas</u>
				Drilling was commenced	<u>March 29</u> 19 <u>67</u>
				Drilling was completed	<u>March 29</u> 19 <u>67</u>

(Plat of 640 acres)

Elevation at top of casing in feet above sea level _____ Total depth of well 18'
State whether well is shallow or artesian shallow Depth to water upon completion 43'

Section 2

PRINCIPAL WATER-BEARING STRATA

No.	Depth in Feet		Thickness in Feet	Description of Water-Bearing Formation
	From	To		
1	43	73	30	Water Sand
2				
3				
4				
5				

Section 3

RECORD OF CASING

Dia in.	Pounds ft.	Threads in	Depth		Feet	Type Shoe	Perforations	
			Top	Bottom			From	To
6	20		0	5	5			
Surface nipple only								

Section 4

RECORD OF MUDDING AND CEMENTING

Depth in Feet		Diameter Hole in in.	Tons Clay	No. Sacks of Cement	Methods Used
From	To				

Section 5

PLUGGING RECORD

Name of Plugging Contractor	License No.
Street and Number	City
Tons of Clay used	Tons of Roughage used
Plugging method used	Type of roughage
Plugging approved by:	Date Plugged
	19
	Cement Plugs were placed as follows:

Cement Plugs were placed as follows:

Basin Supervisor		Depth of Plug		No. of Sacks Used
No.	From	To		

FOR USE OF STATE ENGINEER ONLY

Date Received 91 MAY 26 AM 8:16 1961

File No. L-6122 Use OWD Location No. 11 34 17.130

LOG OF WELL

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described well.

Murrell Abbott
Well Driller

WELL RECORD

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the nearest district office of the State Engineer. All sections, except Section 5, shall be answered as completely and accurately as possible when any well is drilled, repaired or deepened. When this form is used as a plugging record, only Section 1A and Section 5 need be completed.

Section 1

0			

(A) Owner of well CACTUS DRILLING CORP.
 Street and Number P.O. Box 32
 City Midland, State Texas
 Well was drilled under Permit No. L-6133 and is located in the
 $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$ of Section 19 Twp. 11 S. Rge. 34 E
 (B) Drilling Contractor Abbott Brothers License No. WD-46
 Street and Number P.O. Box 637
 City Hobbs State New Mexico
 Drilling was commenced April 29 19 47
 Drilling was completed April 29 19 47

(Flat of 640 acres)

Elevation at top of casing in feet above sea level 30 Total depth of well 30
 State whether well is shallow or artesian shallow Depth to water upon completion 45

Section 2

PRINCIPAL WATER-BEARING STRATA

No.	Depth in Feet		Thickness in Feet	Description of Water-Bearing Formation
	From	To		
1	45	90	45	brown sand, water
2				
3				
4				
5				

Section 3

RECORD OF CASING

Dia. in.	Pounds ft.	Threads in	Depth		Feet	Type Shoe	Perforations	
			Top	Bottom			From	To
7	20		0	0	0			

Section 4

RECORD OF MUDDING AND CEMENTING

Depth in Feet		Diameter Hole in in.	Tons Clay	No. Sacks of Cement	Methods Used
From	To				

Section 5

PLUGGING RECORD

Name of Plugging Contractor _____ License No. _____
 Street and Number _____ City _____ State _____
 Tons of Clay used _____ Tons of Roughage used _____ Type of roughage _____
 Plugging method used _____ Date Plugged _____ 19 _____
 Plugging approved by: _____ Cement Plugs were placed as follows:

No.	Depth of Plug		No. of Sacks Used
	From	To	

Basin Supervisor _____

FOR USE OF STATE ENGINEER ONLY

Date Received _____

1967 MAY 11 AM 8:18

File No. L-6133 Use QWAS Location No. 11.34.19.110

LOG OF WELL

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described well.

Murrell Abbott, Jr.
Well Driller

WELL RECORD

96.1.3

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the nearest district office of the State Engineer. All sections, except Section 5, shall be answered as completely and accurately as possible when any well is drilled, repaired or deepened. When this form is used as a plugging record, only Section 1A and Section 5 need be completed.

Section 1

(A) Owner of well Bogel Farms

Street and Number _____

City Dexter State New MexicoWell was drilled under Permit No. E-6784 and is located in the
N 1/2 ~~1/4~~ 1/4 of Section 21 Twp. 11S Rge. 34E(B) Drilling Contractor W. H. Brady License No. WD-359Street and Number Rt. 2 Box 153City Roswell State New MexicoDrilling was commenced April 1, 1971Drilling was completed April 2, 1971

(Plat of 640 acres)

Elevation at top of casing in feet above sea level _____ Total depth of well 61'State whether well is shallow or artesian shallow Depth to water upon completion 25'

Section 2

PRINCIPAL WATER-BEARING STRATA

No.	Depth in Feet		Thickness in Feet	Description of Water-Bearing Formation
	From	To		
1	43	58	15	Coarse sand & pea gravel
2				
3				
4				
5				

Section 3

RECORD OF CASING

Dia in.	Pounds ft.	Threads in	Depth		Feet	Type Shoe	Perforations	
			Top	Bottom			From	To
6-5/8	20		0	25	25			

Section 4

RECORD OF MUDDING AND CEMENTING

Depth in Feet		Diameter Hole in in.	Tons Clay	No. Sacks of Cement	Methods Used
From	To				

Section 5

PLUGGING RECORD

Name of Plugging Contractor _____ License No. _____

Street and Number _____ City _____ State _____

Tons of Clay used _____ Tons of Roughage used _____ Type of roughage _____

Plugging method used _____ Date Plugged 19

Plugging approved by: _____

Cement Plugs were placed as follows:

Basin Supervisor _____

FOR USE OF STATE ENGINEER ONLY

Date Received _____

File No. L-6784 Use STK Location No. 11.34.21.14224

No.	Depth of Plug		No. Sacks Used
	From	To	

DPN - 13230

LOG OF WELL

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described well.

Well Driller.

WELL RECORD

File No. _____

INSTRUCTIONS: This form should be typewritten, and filed in the office of the State Engineer, (P.O. Box 1079) Santa Fe, New Mexico, unless the well is situated in the Roswell Artesian Basin, in which case it should be filed in the office of the Artesian Well Supervisor, Roswell, New Mexico. Section 5 should be answered only if an old artesian well has been plugged. All other sections should be answered in full in every case, regardless of whether the well drilled is shallow or artesian in character. This report must be subscribed and sworn to before a Notary Public.

Sec. 1

NW	NE
SW	SE

(Plat of 640 acres)
Locate Well Accurately

Owner of well Hal Bogle
Street and Number Box 116
Post Office Dexter, N. Mex.
Well was drilled under Permit No. L 396 and
is located in the NW 1/4 SE 1/4 SE 1/4 of Section 23
Township 11S Range 34E
Drilling Contractor Geo. Perry
Street and Number _____
Post Office Glencoe, N. Mex.

Drilling was commenced April 1, 1950 Drilling was completed May 27, 1950

Elevation at top of casing in feet above sea level _____

State whether well is shallow or artesian shallow

Total depth of well 460 feet.

Sec. 2

PRINCIPAL WATER-BEARING STRATA

No. 1, from 50 to 105, Thickness in feet 55, Formation Yellow sand & gravel
No. 2, from _____ to _____, Thickness in feet _____, Formation _____
No. 3, from _____ to _____, Thickness in feet _____, Formation _____
No. 4, from _____ to _____, Thickness in feet _____, Formation _____
No. 5, from _____ to _____, Thickness in feet _____, Formation _____

Sec. 3

RECORD OF CASING

DIAMETER IN INCHES	POUNDS PER FOOT	THREADS PER INCH	NAME OF MANUFACTURER	FEET OF CASING	TYPE OF SHOE	PERFORATED		PURPOSE
						FROM	TO	
16				55		1	55	
12				131		110	131	

Sec. 4

RECORD OF MUDDING AND CEMENTING

DIAMETER OF HOLE IN INCHES	NUMBER OF SACKS OF CEMENT	METHODS USED	SPECIFIC GRAVITY OF MUD	TONS OF CLAY USED

Sec. 5

PLUGGING RECORD OF OLD WELL

Well is located in the 1/4 1/4 1/4 of Section _____
Range _____ Name of plugging contractor _____
Street and Number _____ Post Office _____
Tons of clay used _____ Tons of roughage used _____ Type of roughage _____
Was plugging approved by Artesian Well Supervisor _____

Cement plugs were placed as follows:

No. 1 was placed at _____ feet Number of sacks of cement used _____
No. 2 was placed at _____ feet Number of sacks of cement used _____
No. 3 was placed at _____ feet Number of sacks of cement used _____
No. 4 was placed at _____ feet Number of sacks of cement used _____
No. 5 was placed at _____ feet Number of sacks of cement used _____

(OVER)

L-396

Well #9 on LC 4-88-9

11.34.23.441

WELL RECORD

File No. L-395

INSTRUCTIONS: This form should be typewritten, and filed in the office of the State Engineer, (P.O. Box 1079) Santa Fe, New Mexico, unless the well is situated in the Roswell Artesian Basin, in which case it should be filed in the office of the Artesian Well Supervisor, Roswell, New Mexico. Section 5 should be answered only if an old artesian well has been plugged. All other sections should be answered in full in every case, regardless of whether the well drilled is shallow or artesian in character. This report must be subscribed and sworn to before a Notary Public.

Sec. 1

NW	NE
SW	SE

(Plat of 640 acres)
Locate Well Accurately

Owner of well Hal Bagle
Street and Number
Post Office Dexter, N. Mex.
Well was drilled under Permit No. LD-26 and
is located in the SW 1/4 SW 1/4 of Section 24
Township 11 South Range 34 east
Drilling Contractor Woot Kilson
Street and Number Box 541
Post Office Artesia, New Mex.

Drilling was commenced Jan 17 1948. Drilling was completed Jan 18 1948.
Elevation at top of casing in feet above sea level

State whether well is shallow or artesian Shallow

Total depth of well 70 feet.

Sec. 2

PRINCIPAL WATER-BEARING STRATA

No. 1, from 23 to 40, Thickness in feet 17, Formation caliche
No. 2, from 40 to 61, Thickness in feet 21, Formation sand
No. 3, from to , Thickness in feet , Formation
No. 4, from to , Thickness in feet , Formation
No. 5, from to , Thickness in feet , Formation

Sec. 3

RECORD OF CASING

DIAMETER IN INCHES	POUNDS PER FOOT	THREADS PER INCH	NAME OF MANUFACTURER	FEET OF CASING	TYPE OF SHOE	PERFORATED		PURPOSE
						FROM	TO	
<u>16</u>	<u>50</u>	<u>welded</u>	<u>Saker</u>	<u>70</u>	<u>none</u>	<u>20</u>	<u>70</u>	

Sec. 4

RECORD OF MUDDING AND CEMENTING

DIAMETER OF HOLE IN INCHES	NUMBER OF SACKS OF CEMENT	METHODS USED	SPECIFIC GRAVITY OF MUD	TONS OF CLAY USED

Sec. 5

PLUGGING RECORD OF OLD WELL

Well is located in the 1/4 1/4 of Section , Township

Range Name of plugging contractor

Street and Number Post Office

Tons of clay used Tons of roughage used Type of roughage

Was plugging approved by Artesian Well Supervisor

Cement plugs were placed as follows:

No. 1 was placed at feet Number of sacks of cement used
No. 2 was placed at feet Number of sacks of cement used
No. 3 was placed at feet Number of sacks of cement used
No. 4 was placed at feet Number of sacks of cement used
No. 5 was placed at feet Number of sacks of cement used

(OVER)

L-395

Well #8 on LC 4-88-9

11.34.24.330

I,do solemnly swear that, to the best of my knowledge and belief, the foregoing information is a true and correct record of the well for which report is hereby made, insofar as can be determined from all available records.

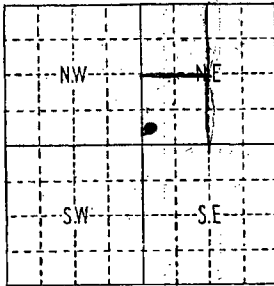
My Commission Expires Post Office

WELL RECORD

File No. L-400

INSTRUCTIONS: This form should be typewritten, and filed in the office of the State Engineer, (P.O. Box 1079) Santa Fe, New Mexico, unless the well is situated in the Roswell Artesian Basin, in which case it should be filed in the office of the Artesian Well Supervisor, Roswell, New Mexico. Section 5 should be answered only if an old artesian well has been plugged. All other sections should be answered in full in every case, regardless of whether the well drilled is shallow or artesian in character. This report must be subscribed and sworn to before a Notary Public.

Sec. 1



(Plat of 640 acres)
Locate Well Accurately

Owner of well Hal Bagley
Street and Number _____
Post Office Deftee N. Mex.
Well was drilled under Permit No. LD 30 and
is located in the W 1/4 W 1/4 NE 1/4 of Section 25
Township 11 South, Range 34 East
Drilling Contractor Hoot Gilson
Street and Number Box 541
Post Office Artesia, N. Mex.

Drilling was commenced Jan 31 1948 Drilling was completed Feb 7 1948
Elevation at top of casing in feet above sea level _____
State whether well is shallow or artesian Shallow
Total depth of well 77 feet.

Sec. 2

PRINCIPAL WATER-BEARING STRATA

No. 1, from 22 to 37, Thickness in feet 15, Formation Caliche
No. 2, from 37 to 75, Thickness in feet 38, Formation Sand
No. 3, from _____ to _____, Thickness in feet _____, Formation _____
No. 4, from _____ to _____, Thickness in feet _____, Formation _____
No. 5, from _____ to _____, Thickness in feet _____, Formation _____

Sec. 3

RECORD OF CASING

DIAMETER IN INCHES	POUNDS PER FOOT	THREADS PER INCH	NAME OF MANUFACTURER	FEET OF CASING	TYPE OF SHOE	PERFORATED		PURPOSE
						FROM	TO	
<u>16</u>	<u>50</u>	<u>Welded Spline</u>			<u>None</u>	<u>20</u>	<u>77</u>	

Sec. 4

RECORD OF MUDDING AND CEMENTING

DIAMETER OF HOLE IN INCHES	NUMBER OF SACKS OF CEMENT	METHODS USED	SPECIFIC GRAVITY OF MUD	TONS OF CLAY USED

Sec. 5

PLUGGING RECORD OF OLD WELL

Well is located in the _____ $\frac{1}{4}$ _____ $\frac{1}{4}$ _____ $\frac{1}{4}$ of Section _____, Township _____
Range _____ Name of plugging contractor _____
Street and Number _____ Post Office _____
Tons of clay used _____ Tons of roughage used _____ Type of roughage _____
Was plugging approved by Artesian Well Supervisor _____

Cement plugs were placed as follows:

No. 1 was placed at _____ feet Number of sacks of cement used _____
No. 2 was placed at _____ feet Number of sacks of cement used _____
No. 3 was placed at _____ feet Number of sacks of cement used _____
No. 4 was placed at _____ feet Number of sacks of cement used _____
No. 5 was placed at _____ feet Number of sacks of cement used _____

(OVER)

Well #1 on LC 4-8-8

L-400

11.34.25.200

FIELD ENGR. LOG

WELL RECORD

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the nearest district office of the State Engineer. All sections, except Section 5, shall be answered as completely and accurately as possible when any well is drilled, repaired or deepened. When this form is used as a plugging record, only Section 1A and Section 5 need be completed.

Section 1

		0	

(A) Owner of well Tri - Service Drilling CompanyStreet and Number P.O. Box 1785City MidlandState TexasWell was drilled under Permit No. L-5024 and is located in the S. E. 1/4 S. 1/4 Twp. 11 S., Rge. 34 E.(B) Drilling Contractor E. B. Baker Drig. Co. License No. ED 274Street and Number Box 998City SeminoleState TexasDrilling was commenced 12/20 19 62Drilling was completed 12/20 19 62

(Plat of 640 acres)

Elevation at top of casing in feet above sea level _____ Total depth of well 90'State whether well is shallow or artesian shallow Depth to water upon completion 20'

Section 2

PRINCIPAL WATER-BEARING STRATA

No.	Depth in Feet		Thickness in Feet	Description of Water-Bearing Formation
	From	To		
1	20'	75'	45'	white & tan water sand
2				
3				
4				
5				

Section 3

RECORD OF CASING

Dia in.	Pounds ft.	Threads in	Depth		Feet	Type Shoe	Perforations	
			Top	Bottom			From	To
			Pile in top				S O T E	

Section 4

RECORD OF MUDDING AND CEMENTING

Depth in Feet		Diameter Hole in in.	Tons Clay	No. Sacks of Cement	Methods Used
From	To				

Section 5

PLUGGING RECORD

Name of Plugging Contractor _____

License No. _____

Street and Number _____

City _____

State _____

Tons of Clay used _____

Tons of Roughage used _____

Type of roughage _____

Plugging method used _____

Date Plugged _____

19 _____

Plugging approved by: _____

Cement Plugs were placed as follows:

Basin Supervisor _____

FOR USE OF STATE ENGINEER ONLY	
Date Received	1963 JAN 11 AM 8:16
File No.	L-5024

No.	Depth of Plug		No. of Sacks Used
	From	To	

File No.

L-5024

Use

O.W.D.

Location No.

434-28430

O.W.D.-OK

LOG OF WELL

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described well.

L-5024

11.34.28.430

FIELD ENGR. LOG

WELL RECORD

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the nearest district office of the State Engineer. All sections, except Section 5, shall be answered as completely and accurately as possible when any well is drilled, repaired or deepened. When this form is used as a plugging record, only Section 1A and Section 5 need be completed.

Section 1

0			

(A) Owner of well MARGUM DRILLING COMPANYStreet and Number P.O. Box 5024City Midland, Texas State _____Well was drilled under Permit No. L-5345 and is located in the1/4 Sec 1/4 NE 1/4 of Section 32 Twp. 11 S Rge. 34 E(B) Drilling Contractor Abbott Brothers License No. 41-40Street and Number P.O. Box 637City Hobbs State New MexicoDrilling was commenced February 26 19 64Drilling was completed February 26 19 64

(Plat of 640 acres)

Elevation at top of casing in feet above sea level _____ Total depth of well 70State whether well is shallow or artesian shallow Depth to water upon completion 40

Section 2

PRINCIPAL WATER-BEARING STRATA

No.	Depth in Feet		Thickness in Feet	Description of Water-Bearing Formation
	From	To		
1	40	70	30	water sand
2				
3				
4				
5				

Section 3

RECORD OF CASING

Dia. in.	Pounds ft.	Threads in	Depth		Feet	Type Shoe	Perforations	
			Top	Bottom			From	To
7			Surface nipple only					

Section 4

RECORD OF MUDDING AND CEMENTING

Depth in Feet		Diameter Hole in in.	Tons Clay	No. Sacks of Cement	Methods Used
From	To				

Section 5

PLUGGING RECORD

Name of Plugging Contractor _____ License No. _____

Street and Number _____ City _____ State _____

Tons of Clay used _____ Tons of Roughage used _____ Type of roughage _____

Plugging method used _____ Date Plugged _____ 19 _____

Plugging approved by: _____

Cement Plugs were placed as follows:

Basin Supervisor _____

FOR USE OF STATE ENGINEER ONLY

Date Received 1964 MAR 16 AM 8:15

File No. L-5345

No.	Depth of Plug		No. of Sacks Used
	From	To	

Use OWD Location No. 11.34.32.110

owd-ok

LOG OF WELL

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described well.

Murrell Abbott Jr.
Well Driller

FIELD ENGR. LOG

WELL RECORD

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the nearest district office of the State Engineer. All sections, except Section 5, shall be answered as completely and accurately as possible when any well is drilled, repaired or deepened. When this form is used as a plugging record, only Section 1A and Section 5 need be completed.

Section 1

			0

(A) Owner of well MORAN OIL PRODUCING & DRILLING CORP.Street and Number P.O. Box 1919City Hobbs 88240State New MexicoWell was drilled under Permit No. L-6239 and is located in the1/4 NE 1/4 NE 1/4 of Section 35 Twp 11 S Rge. 34 E(B) Drilling Contractor Abbott Brothers License No. WD-46Street and Number P.O. Box 637City Hobbs 88240State New MexicoDrilling was commenced December 1 19Drilling was completed December 1 19 67

(Plat of 640 acres)

Elevation at top of casing in feet above sea level _____ Total depth of well 72State whether well is shallow or artesian shallow Depth to water upon completion 25

Section 2

PRINCIPAL WATER-BEARING STRATA

No.	Depth in Feet		Thickness in Feet	Description of Water-Bearing Formation
	From	To		
1	25	32	7	red sand
2	50	59	9	water sand
3				
4				
5				

Section 3

RECORD OF CASING

Dia. in.	Pounds ft.	Threads in.	Depth		Feet	Type Shoe	Perforations	
			Top	Bottom			From	To
7	18	10	0	72	72	open	30	72
							4 rows 1/8 X 12"	

Section 4

RECORD OF MUDDING AND CEMENTING

Depth in Feet		Diameter Hole in in.	Tons Clay	No. Sacks of Cement	Methods Used
From	To				

Section 5

PLUGGING RECORD

Name of Plugging Contractor _____ License No. _____

Street and Number _____ City _____ State _____

Tons of Clay used _____ Tons of Roughage used _____ Type of roughage _____

Plugging method used _____ Date Plugged _____ 19

Plugging approved by: _____

Cement Plugs were placed as follows:

Basin Supervisor _____

FOR USE OF STATE ENGINEER ONLY

Date Received 1967 DEC 27 PM 3:31

File No. L-6239 Use WD Location No. 11.34.35.220

No.	Depth of Plug		No. of Sacks Used
	From	To	

LOG OF WELL

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described well.

17.34.35, 220

STATE ENGR. OFFICE

WELL RECORD

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the nearest district office of the State Engineer. All sections, except Section 5, shall be answered as completely and accurately as possible when any well is drilled, repaired or deepened. When this form is used as a plugging record, only Section 1A and Section 5 need be completed.

Section 1

(A) Owner of well J. D. Guya
 Street and Number _____
 City Tatum State New Mexico
 Well was drilled under Permit No. L-5000 and is located in the
1/4 1/4 1/4 of Section 9 Twp. 13 Rge. 35
 (B) Drilling Contractor Claude Tatum License No. 4033
 Street and Number 524 West Washington
 City Lovington State New Mexico
 Drilling was commenced December 9 1952
 Drilling was completed December 9 1952

(Plat of 640 acres)

Elevation at top of casing in feet above sea level unknown Total depth of well 75'
 State whether well is shallow or artesian shallow Depth to water upon completion 35'

Section 2

PRINCIPAL WATER-BEARING STRATA

No.	Depth in Feet		Thickness in Feet	Description of Water-Bearing Formation
	From	To		
1	35	76	41	Water sands
2				
3				
4				
5				

Section 3

RECORD OF CASING

Dia. in.	Pounds ft.	Threads in	Depth		Feet	Type Shoe	Perforations	
			Top	Bottom			From	To
None								

Section 4

RECORD OF MUDDING AND CEMENTING

Depth in Feet		Diameter Hole in in.	Tons Clay	No. Sacks of Cement	Methods Used
From	To				

Section 5

PLUGGING RECORD

Name of Plugging Contractor _____ License No. _____
 Street and Number _____ City _____ State _____
 Tons of Clay used _____ Tons of Roughage used _____ Type of roughage _____
 Plugging method used _____ Date Plugged _____ 19 _____
 Plugging approved by: _____ Cement Plugs were placed as follows:

Basin Supervisor

FOR USE OF STATE ENGINEER ONLY

Date Received

MAR - 5 AM 8:27

No.	Depth of Plug		No. of Sacks Used
	From	To	

File No.

L-5000

Use

Stock

Location No. 11-359410

Stack of

LOG OF WELL

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described well.

Well Driller

**STATE ENGINEER OFFICE
WELL RECORD**

Section 1. GENERAL INFORMATION

(A) Owner of well Sterling Ranches Owner's Well No. _____
 Street or Post Office Address Box 977
 City and State Tatum, NM 88267

Well was drilled under Permit No. _____ and is located in the:

a. SE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$ of Section 13 Township 11S Range 36E N.M.P.M.

b. Tract No. _____ of Map No. _____ of the _____

c. Lot No. _____ of Block No. _____ of the _____
 Subdivision, recorded in _____ County.

d. X= _____ feet, Y= _____ feet, N.M. Coordinate System _____ Zone in the _____ Grant.

(B) Drilling Contractor JACK SPEARS Drilling Co. License No. 1082
 Address Box 910 PLAINIS, TX 79355

Drilling Began 6-28-89 Completed 6-28-89 Type tools Rotary Size of hole 8" in.

Elevation of land surface or _____ at well is 3300 ft. Total depth of well 63 ft.

Completed well is ☒ shallow ☐ artesian. Depth to water upon completion of well 30 ft.

Section 2. PRINCIPAL WATER-BEARING STRATA

Depth in Feet		Thickness in Feet	Description of Water-Bearing Formation	Estimated Yield (gallons per minute)
From	To			
<u>20</u>	<u>63</u>	<u>43</u>	<u>sand & clay mixed</u>	<u>30</u>

Section 3. RECORD OF CASING

Diameter (inches)	Pounds per foot	Threads per in.	Depth in Feet		Length (feet)	Type of Shoe	Perforations	
			Top	Bottom			From	To
<u>5"</u>	<u>160#</u>	<u>none</u>			<u>64</u>	<u>none</u>	<u>44</u>	<u>64</u>

Section 4. RECORD OF MUDDING AND CEMENTING

Depth in Feet		Hole Diameter	Sacks of Mud	Cubic Feet of Cement	Method of Placement
From	To				
<u>0</u>	<u>20</u>	<u>8"</u>	<u>1</u>		<u>Hand mixed & poured in</u>

Section 5. PLUGGING RECORD

Plugging Contractor _____
 Address _____
 Plugging Method _____
 Date Well Plugged _____
 Plugging approved by: _____

State Engineer Representative

No.	Depth in Feet		Cubic Feet of Cement
	Top	Bottom	
<u>1</u>			
<u>2</u>			
<u>3</u>			
<u>4</u>			

FOR USE OF STATE ENGINEER ONLY

Date Received October 13, 1989

Quad _____ FWL _____ FSL _____

File No. NO FILE NUMBER Use _____ Location No. 11.36.13.44412

[illegible]

STATE ENGINEER OFFICE
ROSWELL, N. M.
OCT 13 AM 8 19

Jack Spears
Driver

INSTRUCTIONS: This form shall be executed in triplicate, preferably typewritten, and submitted to the appropriate district office of the State Engineer. A well log, except Section 5, shall be answered as completely and accurately as possible when any well is drilled, repaired or deepened. When this form is used as a plugging record, only Section 1(a) and Section 5 need be completed.

WELL RECORD

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the nearest district office of the State Engineer. All sections, except Section 5, shall be answered as completely and accurately as possible when any well is drilled, repaired or deepened. When this form is used as a plugging record, only Section 1A and Section 5 need be completed.

Section 1

(Plat of 640 acres)

(A) Owner of well Hall & Stewart Drilling Co.
 Street and Number P.O. Box 1847
 City Midland State Texas
 Well was drilled under Permit No. L-4022 and is located in the
Center, 40 acres of NE 1/4 of Section 24 Twp. 11 South Rge. 37 East
 (B) Drilling Contractor E.B. Baker License No. 274
 Street and Number P.O. Box 998
 City Seminole State Texas
 Drilling was commenced 11-13 1958
 Drilling was completed 11-15 1958

Elevation at top of casing in feet above sea level _____ Total depth of well 130'
 State whether well is shallow or artesian shallow Depth to water upon completion 95'

Section 2

PRINCIPAL WATER-BEARING STRATA

No.	Depth in Feet		Thickness in Feet	Description of Water-Bearing Formation
	From	To		
1	100	117	17	Water Sand (Tan)
2				
3				
4				
5				

Section 3

RECORD OF CASING

Dia. in.	Pounds ft.	Threads in	Depth		Feet	Type Shoe	Perforations	
			Top	Bottom			From	To
8 5/8	32		0	8	8			

Section 4

RECORD OF MUDDING AND CEMENTING

Depth in Feet		Diameter Hole in in.	Tons Clay	No. Sacks of Cement	Methods Used
From	To				
				1	around Top

Section 5

PLUGGING RECORD

Name of Plugging Contractor _____ License No. _____
 Street and Number _____ City _____ State _____
 Tons of Clay used _____ Tons of Roughage used _____ Type of roughage _____
 Plugging method used _____ Date Plugged _____ 19 _____
 Plugging approved by: _____

Cement Plugs were placed as follows:

No.	Depth of Plug		No. of Sacks Used
	From	To	

FOR USE OF STATE ENGINEER ONLY		Basin Supervisor	
Date Received	FILED NOV 20 1958	OFFICE GROUND WATER SUPERVISOR BOEWELL, NEW MEXICO	
File No. <u>L-4022</u>	Use <u>R.W.D.</u>	Location No. <u>11.37.24.200</u>	

LOG OF WELL

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described well.

11.37.24.200

FIELD ENGR. LOG

(This form is to be executed in triplicate)

WELL RECORD

Date of Receipt Jan 4 1954 Permit No. L-2415

Name of permittee, W. D. T. Co.

Street or P. O. 1111 N. 1st St., City and State Albuquerque, N.M.

1. Well location and description: The shallow well is located in SE $\frac{1}{4}$ of Section 25, Township 11 N, Range 37 E, Elevation of top of

casing above sea level, 5125 feet; diameter of hole, 8 1/2 inches; total depth, 110 feet;

depth to water upon completion, 105 feet; drilling was commenced 12/15/53

and completed 1/1/54; name of drilling contractor W. D. T. Co.

1111 N. 1st St.; Address, Albuquerque, N.M.; Driller's License No. W.D.T.

2. Principal Water-bearing Strata:

	Depth in Feet From	To	Thickness	Description of Water-bearing Formation
No. 1	0	75	75	Albuquerque Sandstone
No. 2	75	110	35	Albuquerque Sandstone
No. 3				
No. 4				
No. 5				

3. Casing Record:

Diameter in inches	Pounds per ft.	Threads per inch	Depth of Casing or Liner Top Bottom	Feet of Casing	Type of Shoe	Perforation From To
7" 00			0 110	110	metal	60 80

4. If above construction replaces old well to be abandoned, give location: $\frac{1}{4}$ $\frac{1}{4}$

of Section 25, Township 11 N, Range 37 E; name and address of plugging contractor,

date of plugging 1/1/54; 19 54; describe how well was plugged:

FILED

JAN 4 1954

OFFICE
GROUND WATER SUPERVISOR
ROSWELL, NEW MEXICO

W.D.T. Co.
L-2415

11. 37.25.410

Depth in Feet		Thickness in feet	Description of Formation
From	To		
0	2	2	sail
2	20	18	lime rock
20	28	8	sand stone
28	35	7	sand
35	43	8	sand stone
43	65	12	red clay
65	75	10	water bearing sand
75	105	30	yellow clay
105	220	115	blue shale
220	235	15	water bearing sand
235	250	15	blue shale
			L S Elev _____
			Depth to K _____ Trc _____
			Elev of K _____ Trc _____
			Loc. No. _____
			Hydro. Survey _____ Field Check _____
			SOURCE OF ALTITUDE GIVEN
			Interpolated from Topo. Sheet _____
			Determined by Inst. Leveling _____
			Other _____

W L Barber
Licensed Well Driller

This form shall be executed, preferably typewritten, in triplicate and filed with the State Engineer's Office at Roswell, New Mexico, within 10 days after drilling has been completed. Data on water-bearing strata and on all formations encountered should be as complete and accurate as possible.

L-2415

11.37.25.410

WELL RECORD

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the nearest district office of the State Engineer. All sections, except Section 5, shall be answered as completely and accurately as possible when any well is drilled, repaired or deepened. When this form is used as a plugging record, only Section 1A and Section 5 need be completed.

Section 1

(A) Owner of well McAlister Fuel Company
 Street and Number Box 608
 City Lovington State New Mexico
 Well was drilled under Permit No. L-3742 and is located in the
1/4 S E 1/4 N E 1/4 of Section 16 Twp. 11 S Rge. 38 E
 (B) Drilling Contractor Cayton Drilling Co. License No. ED-183
 Street and Number Box 1021
 City Lovington State New Mexico
 Drilling was commenced November 12 19 57
 Drilling was completed November 18 19 57

(Plat of 640 acres)

Elevation at top of casing in feet above sea level _____ Total depth of well 267 ft.
 State whether well is shallow or artesian Shallow Depth to water upon completion 250 ft.

Section 2

PRINCIPAL WATER-BEARING STRATA

No.	Depth in Feet		Thickness in Feet	Description of Water-Bearing Formation
	From	To		
1	<u>250</u>	<u>253</u>	<u>3</u>	<u>Sand</u>
2	<u>260</u>	<u>266</u>	<u>6</u>	<u>White Sand</u>
3				
4				
5				

Section 3

RECORD OF CASING

Dia in.	Pounds ft.	Threads in	Depth		Feet	Type Shoe	Perforations	
			Top	Bottom			From	To
<u>7</u>	<u>15</u>	<u>8</u>	<u>0</u>	<u>267</u>	<u>267</u>	<u>None</u>	<u>210</u>	<u>267</u>

Section 4

RECORD OF MUDDING AND CEMENTING

Depth in Feet		Diameter Hole in in.	Tons Clay	No. Sacks of Cement	Methods Used
From	To				
		<u>8 in.</u>			

Section 5

PLUGGING RECORD

Name of Plugging Contractor _____ License No. _____
 Street and Number _____ City _____ State _____
 Tons of Clay used _____ Tons of Roughage used _____ Type of roughage _____
 Plugging method used _____ Date Plugged _____ 19 _____
 Plugging approved by: _____

Cement Plugs were placed as follows:

No.	Depth of Plug		No. of Sacks Used
	From	To	

Basin Supervisor

FOR USE OF STATE ENGINEER ONLY

Date Received DEC 6 1957

OFFICE
GROUND WATER SUPERVISOR
ROSWELL, NEW MEXICO

File No. L-3724 Use O.20 P. Location No. 11 38.16 148

Section 6

LOG OF WELL

Depth in Feet		Thickness in Feet	Color	Type of Material Encountered
From	To			
0	2	2		Sandy Soil
2	18	16		Caliche
18	26	8		Sandstone
26	40	14		Caliche & Sand
40	68	28		Sandstone
68	78	10		Sandy Clay
78	87	9		Sandstone
87	110	23		Sandy Clay
110	130	20		Yellow Clay
130	212	82		Blue Clay
212	250	38		Sandstone
250	253	3		Sand
253	260	7		Sandstone
260	266	6		White Sand
266	267	1		Yellow Clay
				L S Elev _____
				Depth to K _____ Trc _____
				Elev of K _____ Trc _____
				FL 11.38.16.140
				Loc. No. _____
				Hydro. Survey _____ Field Check _____
				SOURCE OF ALTITUDE GIVEN
				Interpolated from Topo. Sheet _____
				Determined by Inst. Leveling _____
				Other _____

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described well.

CAYTON WATER WELL DRILLING COMPANY

Well Driller

Shady Backus

2-3724

11.38.16.140

Just records JWS

LEE ENGINEERING CO.

P. O. Box 141 (This form to be executed in triplicate)
Lovington, New Mexico

WELL RECORD

Date of Receipt _____ Permit No. None

Name ~~XXXXXXXX~~ Lawton Oil Corp.

Street or P. O. 109 S. Main City and State Lovington, New Mexico

1. Well location and description: The shallow well is located in _____ $\frac{1}{4}$, _____ NW $\frac{1}{4}$,
(shallow or artesian)

NW $\frac{1}{4}$ of Section 22 Township 11 S. Range 38 E. Elevation of top of

casing above sea level, _____ feet; diameter of hole, 8 inches; total depth, 155 feet;

depth to water upon completion, 70 feet; drilling was commenced _____, 19____,

and completed April, 1954; name of drilling contractor Abbett Brothers

Address, _____; Driller's License No. _____

2. Principal Water-bearing Strata:

	Depth in Feet		Thickness	Description of Water-bearing Formation
	From	To		
No. 1	<u>92</u>	<u>108</u>	<u>16</u>	<u>Tight light water sand</u>
No. 2	<u>108</u>	<u>119</u>	<u>11</u>	<u>Gravel with water</u>
No. 3	<u>119</u>	<u>150</u>	<u>31</u>	<u>Sand and gravel with water</u>
No. 4				
No. 5				

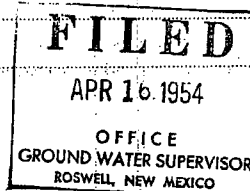
3. Casing Record:

Diameter in inches	Founds per ft.	Threads per inch	Depth of Casing or Liner		Feet of Casing	Type of Shoe	Perforation	
			Top	Bottom			From	To

4. If above construction replaces old well to be abandoned, give location: _____ $\frac{1}{4}$, _____ $\frac{1}{4}$, _____ $\frac{1}{4}$

of Section _____, Township _____, Range _____, name and address of plugging contractor, _____

date of plugging _____, 19____; describe how well was plugged: _____



11.38.22.110

5. Log of Well:

Depth in feet		Thickness in feet	Description of Formation
From	To		
0	8	8	surface soil
8	32		caliche
32	70		tight sand
70	77		sand rock
77	89		tight sand
89	92		sand rock
92	108		sand, tight, light water
108	119		gravel - water
119	150		sand and gravel with water
150	155		yellow clay

a pump was set that had a capacity of 100 gpm and well capacity handled this volume with ease.

This is a good log in an area I figured you might not have complete information and thought that this might be of some use. This is an exceptionally good well for this area.

Depth to K _____ Trc _____
Elev of K _____ Trc _____

Loc. No. 11.38-22.110

Hydro. Survey _____ Field Check _____

Note Artesian condition from 92
to 70

SOURCE OF ALTITUDE GIVEN

Interpolated from Topo. Sheet _____

Determined by Inst. Leveling _____

Other _____

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described well.

Licensed Well Driller

Instructions

This form shall be executed, preferably typewritten, in triplicate and filed with the State Engineer's Office at Roswell, New Mexico, within 10 days after drilling has been completed. Data on water-bearing strata and on all formations encountered should be as complete and accurate as possible.

WELL RECORD

WAL. #2-31

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the nearest district office of the State Engineer. All sections, except Section 5, shall be answered as completely and accurately as possible when any well is drilled, repaired or deepened. When this form is used as a plugging record, only Section 1A and Section 5 need be completed.

Section 1

(A) Owner of well LOWE DRILLING CO.Street and Number Box 532City MidlandState TexasWell was drilled under Permit No. L-3564 and is located in the SE 1/4 SW 1/4 NE 1/4 of Section 31 Twp 11 S. Rge 38 E.(B) Drilling Contractor Stone Drg. Co.

License No. _____

Street and Number Box 62City SeminoleState TexasDrilling was commenced May 24

19

Drilling was completed May 24

1957

(Plat of 640 acres)

Elevation at top of casing in feet above sea level _____ Total depth of well 78State whether well is shallow or artesian shallow Depth to water upon completion 45

Section 2

PRINCIPAL WATER-BEARING STRATA

No.	Depth in Feet		Thickness in Feet	Description of Water-Bearing Formation
	From	To		
1	45	52	7	water sand
2	52	55	3	gravel
3	60	70	10	water sand
4				
5				

Section 3

RECORD OF CASING

Dia. in.	Pounds ft.	Threads in	Depth		Feet	Type Shoe	Perforations	
			Top	Bottom			From	To

Section 4

RECORD OF MUDDING AND CEMENTING

Depth in Feet		Diameter Hole in in.	Tons Clay	No. Sacks of Cement	Methods Used
From	To				

Section 5

PLUGGING RECORD

Name of Plugging Contractor _____

License No. _____

Street and Number _____

City _____

State _____

Tons of Clay used _____

Tons of Roughage used _____

Type of roughage _____

Plugging method used _____

Date Plugged _____ 19

Plugging approved by: _____

Cement Plugs were placed as follows:

FOR USE OF STATE ENGINEER OFFICE	
Date Received	JUL 10 1957
OFFICE GROUND WATER SUPERVISOR ROSWELL, NEW MEXICO	
File No. <u>L-3564</u>	Use <u>OW 10</u>

No.	Depth of Plug		No. of Sacks Used
	From	To	

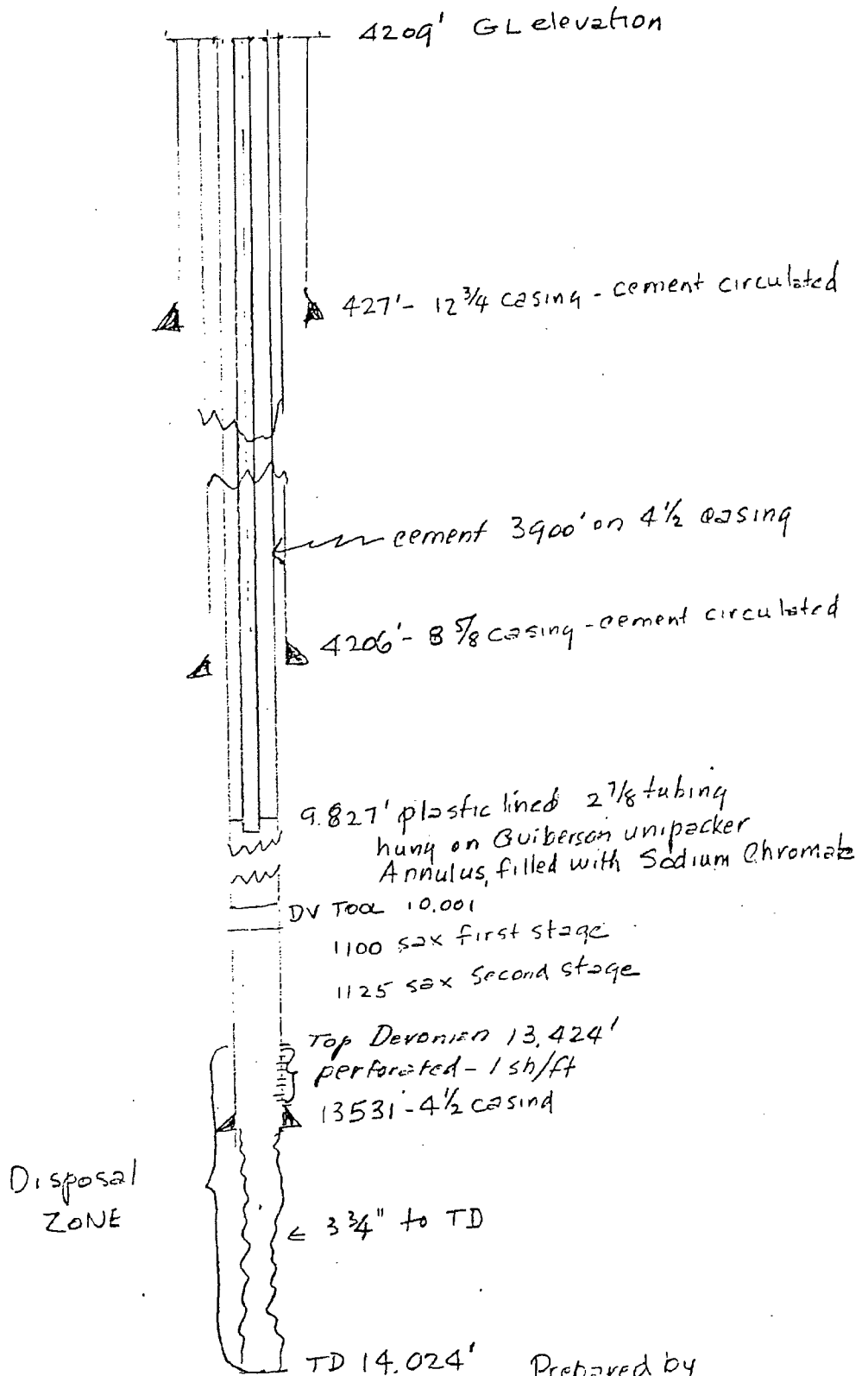
Location No. 11-38, 31-234

No FE-1

NEW MEXICO SALTWATER DISPOSAL CO, INC**Tipperary #1 State 28****RECOMPLETION PROCEDURE**

- 1) MIRUSU. Install flange. NU BOP. Receive and rack 2 3/8" steel workstring.
- 2) RIH w/3 1/8 milled tooth bit, (2) 2 1/2" drill collars, 2 3/8" tubing
- 3) Tag top of fish at 5266'. Establish conventional circulation. Lightly drill fiberglass tubing and fill to 5900'. Note – if circulation lost while drilling; proceed to plug perfs 13,424' and below via tubing by setting packer above point drilled to and pump sufficient cement to plug wellbore below packer and fiberglass tubing in hole.
- 4) If no lost circulation; proceed to lightly drill fiberglass tubing and fill to 5900'. Circulate hole clean. Pump 100' cement plug 5900' – 5800'. Pull uphole. WOC
- 5) RIH & tag plug ensuring no lower than 5800'. Close BOP. Pressure casing to 500# holding for 30 minutes. If no pressure drop; POOH w/tubing, drill collars, bit. Proceed to step 7. If pressure drop; pull BHA. Run packer. Set immediately above cement plug. Pressure test to 500# via tubing.
- 6) If no pressure drop; ascertain location of casing leak. If casing leak in Glorieta formation – set packer ~5500' and pressure test casing/tubing annulus to 500#. If holds, proceed to step 7. If not, isolate casing leak, repair and drill out same. Proceed to step 7.
- 7) RU wireline. RIH & correlate depth. Perforate 2 spf 5588' – 5602', 5614' – 36', 5640' – 48', 5652' – 60. Total of 108 holes. POOH & RD wireline.
- 8) RIH w/4 1/2" packer, 2 3/8" tubing. Set packer ~5550'. Acidize perfs w/5000 gallons 20% HCl acid spacing 80 ball sealers throughout job. Establish injection rate and pressure. Pull BHA.
- 9) RIH w/nickel-plated 2 3/8" x 4 1/2" packer, 2 3/8" nickel-plated on-off tool, 2 3/8" internally lined tubing. Set packer ~5550'.
- 10) Sting off on-off tool. Displace casing/tubing annulus w/2% KCl water containing corrosion inhibitor. Latch onto packer. ND BOP. NU wellhead. Pressure test casing/tubing annulus to 500#. Hold for 30 minutes using chart. Notify OCD 24 at least 24 hours prior.
- 11) Begin disposal. Complete sundry notice and submit to OCD.

NEW MEXICO SALT WATER DISPOSAL COMPANY, INC.
 212 PETROLEUM BLDG. P. O. BOX 566
 ROSWELL, NEW MEXICO 88201
 PHONE 622-1958 AREA CODE 505



Prepared by
 Charles C. Lovelace, Jr

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LAND OFFICE	
OPERATOR	

**NEW MEXICO OIL CONSERVATION COMMISSION
WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

Form C-105
Revised 11-1-78

5a. Indicate Type of Lease	
State <input checked="" type="checkbox"/>	Fee <input type="checkbox"/>
5. State Oil & Gas Lease No. LG 2824	

1a. TYPE OF WELL Took over dry Devonian test from Tipperary 8/28/77		7. Unit Agreement Name	
b. TYPE OF COMPLETION OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input checked="" type="checkbox"/> OTHER _____ NEW WELL <input type="checkbox"/> WORK OVER <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> OTHER Disposal		8. Farm or Lease Name State "28"	

2. Name of Operator New Mexico Salt Water Disposal Co., Inc.		9. Well No. 1	
3. Address of Operator P. O. Box 566 - Roswell, New Mexico 88201		10. Field and Pool, or Wildcat Wildcat	

4. Location of Well UNIT LETTER I LOCATED 1980 FEET FROM THE South LINE AND 660 FEET FROM		12. County Lea	
THE East LINE OF SEC. 28 TWP. 10S RGE. 34E			

15. Date Spudded	16. Date T.D. Reached 8-26-77	17. Date Compl. (Ready to Prod.)	18. Elevations (DF, RKB, RT, GR, etc.) 4209 GR	19. Elev. Casinghead
20. Total Depth 14,024	21. Plug Back T.D.	22. If Multiple Compl., How Many	23. Intervals Drilled By Rotary Tools X	Cable Tools

24. Producing Interval(s), of this completion - Top, Bottom, Name Dry Hole in Devonian		25. Was Directional Survey Made No
26. Type Electric and Other Logs Run (Tipperary ran logs)		27. Was Well Cored No

28. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
12 3/4		427'		Circulated	
8 5/8		4206		Circulated	
4 1/2		13,421		DV tool 10,001' 1100 sx and 1125 sx	

29. LINER RECORD				30. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET
					2 7/8	9827
						9827

31. Perforation Record (Interval, size and number) Perf 1 sh/ft 13,424 - 13,531 Open hole to 13,531 - 14,024	32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
	DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
	13,424-14,024	10 gallon 15% HCL

33. PRODUCTION							
Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump)				Well Status (Prod. or Shut-in) Shut in disposal well	
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.)	Test Witnessed By
--	-------------------

35. List of Attachments

36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.		
SIGNED <i>Henry E. Sauer</i>	TITLE President	DATE 3-28-78

This form is to be filed with the appropriate District Office of the Commission not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of conventionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 30 through 34 shall be reported for each zone. The form is to be filed in quadruplicate except on state land, where six copies are required. See Rule 1109.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northwestern New Mexico

T. Anhy <u>2200'</u>	T. Canyon <u>10,454'</u>	T. Ojo Alamo _____	T. Penn. "B" _____
T. Salt <u>2250'</u>	T. Strawn <u>11,110'</u>	T. Kirtland-Fruitland _____	T. Penn. "C" _____
T. Salt <u>2800'</u>	T. Atoka <u>11,614'</u>	T. Pictured Cliffs _____	T. Penn. "D" _____
T. Yates <u>2560'</u>	T. Miss <u>12,580'</u>	T. Cliff House _____	T. Leadville _____
T. 7 Rivers _____	T. Devonian <u>13,420'</u>	T. Menefee _____	T. Madison _____
T. Queen _____	T. Silurian _____	T. Point Lookout _____	T. Elbert _____
T. Grayburg _____	T. Montoya _____	T. Mancos _____	T. McCracken _____
T. San Andres <u>4254'</u>	T. Simpson _____	T. Gallup _____	T. Ignacio Qizte _____
T. Glorieta <u>5580'</u>	T. McKee _____	T. Base Greenhorn _____	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota _____	T. _____
T. Blinberry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb <u>7827'</u>	T. Granite _____	T. Todilto _____	T. _____
T. Drinkard _____	T. Delaware Sand _____	T. Entrada _____	T. _____
T. Abo _____	T. Bone Springs _____	T. Wingate _____	T. _____
T. Wolfcamp <u>9193'</u>	T. _____	T. Chinle _____	T. _____
T. Penn. <u>10,454'</u>	T. _____	T. Permian _____	T. _____
T. Cisco (Bough C) _____	T. _____	T. Penn. "A" _____	T. _____

OIL OR GAS SANDS OR ZONES

No. 1, from 2200' to _____ No. 4, from _____ to _____
 No. 2, from _____ to _____ No. 5, from _____ to _____
 No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from Artesian 10' to 75' feet.
 No. 2, from _____ to _____ feet.
 No. 3, from _____ to _____ feet.
 No. 4, from _____ to _____ feet.

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
Surf	2200'	4200'	Red Beds - Red Shale & Sand	11,110'	11,614'	504'	Strawn, lime & shale
2200'	2250'	50'	Rustler Anhydrite	11,614'	12,580'	966'	Atoka, sand, shale, lime & Chert
2250'	2800'	550'	Salado Salt, some Anhydrite	12,580'	13,420'	840'	Miss., lime, chert, shale
2800'	2860'	60'	Tansill Anhydrite	13,420'	14,027'	607'	Devonian, dolomite, lime & chert
2860'	4254'	1394'	Yates-Seven Rivers-Queen-Grayburg- Anhydrite, sand, some dolo & shale				
4254'	5580'	1326'	San Andres, dolo, lime, anhydrite				
5580'	7040'	1460'	Glorieta, dolomite, sand, anhy.				
7040'	7827'	387'	Tubb, sand, dolomite, anhydrite				
7827'	9193'	1366'	Abo, red & green shale, dolo. anhydrite				
9193'	9910'	717'	Wolfcamp, lime & shale				
9910'	10,454'	544'	Cisco, lime & shale				
10,454'	11110'	656'	Canyon, lime & shale				

New Mexico Saltwater Disposal Co
Tipperary #1 State 28
wellbore schematic
UL 1 S28-T10S-R34E
1980' FSL & 660' FWL

TOC at
3900'
temp survey

12 3/4" csg
set at 427'
cmt circulated

8 5/8" csg
set at 4206'
cmt circulated

top of tubing
5266'
(plugged) cement
pieces recovered
above tbg top

4 1/2" N80 13.5#, 10.5# csg
set at 13,531'

Perforations
13,424' - 13,531'
107 holes

Open Hole
13,531' - 14,024'

Legal Notice
January 9,10,11,
12,13, 2013

New Mexico Salt Water
Disposal Company, Inc.;
P.O. Box 1518; Roswell, NM
88202 is making application
to the Oil Conservation
Division; 1220 S. St. Francis
Drive, Santa Fe, NM 87505
Attention: Richard Ezeanyim,
Bureau Chief to change the
disposal zone within the
following well:

ITCm XIV

API # 30-025-25558
State 28 #001
Unit Letter I, 1980' FSL &
660' FEL, Section 28
T10S and R34E
Lea County, NM

Current disposal zone -
Devonian 13,424' to 14, 024'
Proposed disposal zone -
Glorieta 5,588 to 5,660

Comments should be sent
to the OCD at the above ad-
dress.
#27831

Advertising Receipt

Hobbs Daily News-Sun

201 N Thorp
P. O. Box 936
Hobbs, NM 88241

Phone: 575-393-2123
Fax: 575-397-0610

READ & STEVENS, INC.
JOHN MAXEY
P.O. BOX 1518
ROSWELL, NM 88202

Cust #: a0107570
Ad #: 00107194
Phone: (575)622-3770
Date: 01/08/2013
Ad taker: C2 Salesperson: 01

Sort Line: 27831

Classification 671

Description	Start	Stop	Ins.	Cost/Day	Total
07 07 Daily News-Sun	01/09/2013	01/13/2013	5	22.47	112.35
AFF2 Affidavits (Legals)					6.00
BOLD bold					1.00

NEW MEXICO SALT WATER DISPOSAL COMPANY, INC.

January 8, 2013

VIA CERTIFIED MAIL RETURN RECEIPT REQUEST

Diamond & Half, Inc.
Attention: Justin Johnson
P.O. Box 367
Tatum, NM 88267-0367

Re: State I-28 Disposal well
Unit Letter I, 1980' FSL & 660' FEL, Section 28
T10S and R34E
Lea County, NM

Dear Mr. Johnson:

New Mexico Salt Water Disposal Company, Inc. is making application to the Oil Conservation Division to change the disposal zone within the following well:

API # 30-025-25558
State 28 #001
Unit Letter I, 1980' FSL & 660' FEL, Section 28
T10S and R34E
Lea County, NM

Current disposal zone – Devonian 13,424' to 14,024'
Proposed disposal zone – Glorieta 5,588 to 5,660
Proposed Daily Average Disposal Volume – 1700 BPD @ 200 to 300

That application has been submitted to Richard Ezeanyim, Bureau Chief of the Engineering and Geological Service Bureau at the OCD offices located at 1220 South Saint Francis Drive, Santa FE, NM 87505. Your comments should be directed to him.

Yours Sincerely,



Rory McMinn, Vice President

7012 1010 0003 5776 8101

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Restricted Delivery Fee (Endorsement Required)	
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Sent To <i>Diamond & Half, Inc.</i>	
Street, Apt. No. <i>Attn: Justin Johnson</i>	
or PO Box No. <i>P.O. Box 367</i>	
City, State, Zip+4 <i>Tatum, N.M. 88267-0367</i>	
PS Form 3800, August 2005	
See Reverse for Instructions	

NEW MEXICO SALT WATER DISPOSAL COMPANY, INC.

January 8, 2013

VIA CERTIFIED MAIL RETURN RECEIPT REQUEST

Yates Petroleum Corp.
Attention: Kathie Porter
105 S. Fourth Street
Artesia, NM 88210

Re: State I-28 Disposal well
Unit Letter I, 1980' FSL & 660' FEL, Section 28
T10S and R34E
Lea County, NM

Dear Ms. Porter:

New Mexico Salt Water Disposal Company, Inc. is making application to the Oil Conservation Division to change the disposal zone within the following well:

API # 30-025-25558
State 28 #001
Unit Letter I, 1980' FSL & 660' FEL, Section 28
T10S and R34E
Lea County, NM

Current disposal zone – Devonian 13,424' to 14,024'
Proposed disposal zone – Glorieta 5,588 to 5,660
Proposed Daily Average Disposal Volume – 1700 BPD @ 200 to 300

That application has been submitted to Richard Ezeanyim, Bureau Chief of the Engineering and Geological Service Bureau at the OCD offices located at 1220 South Saint Francis Drive, Santa FE, NM 87505. Your comments should be directed to him.

We have attached a copy of the Glorieta section and our perforation picks on a Compensated Neutron Density log for your reference.

Yours Sincerely,



Rory McMinn, Vice President

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Postmark: JAN 8 2013 88210

Sent To: Yates Petr. Corp.
Attn: Kathie Porter
Street, Apt. No., or PO Box No.: 105 S. Fourth St.
City, State, ZIP+4: Artesia, N.M. 88210

PS Form 3800, August 2006 See Reverse for Instructions

SIMULTANEOUS COMPENSATED NEUTRON- FORMATION DENSITY

ELL State "28" #2

ILD Wildcat

COUNTY Lea STATE New Mexico

1980' FSL + GL = 'F6L.

1980' BSL + G60' F6L

SERIAL NO	SEC	TWP	RANGE

Other Services:
BHC-GP
S-DL/Rp
H&T

SERIAL NO	SEC	TWP	RANGE
	28	10-5	24-5

6.6; Elev.: 4209

KB, 17 Fl. Above Perm. Datum

Other Services:
BHC-Gr
S-Dual Rx
HST

Elev.: K B. 4226
D.F. _____
G.L. _____

8-27-27									
6115									
13531									
13522									
13521									
4208									
858 @ 4208	@		@		@				
4208									
218									
Salt 1116									
25									
10 ml		ml		ml		ml		ml	
087 @ 82	F	@	F	@	F	@	F	@	F
067 @ 82	F	@	F	@	F	@	F	@	F
	F	@	F	@	F	@	F	@	F

the well name location and borehole reference data were furnished by the customer.

