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WRITER:

Gary W. Larson,
Partner

2013 FEB - 5 9:43 AM
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.

EXISTING/CURRENT

NEW MEXICO SALT WATER DISPOSAL COMPANY, INC.

212 PETROLEUM BLDG.

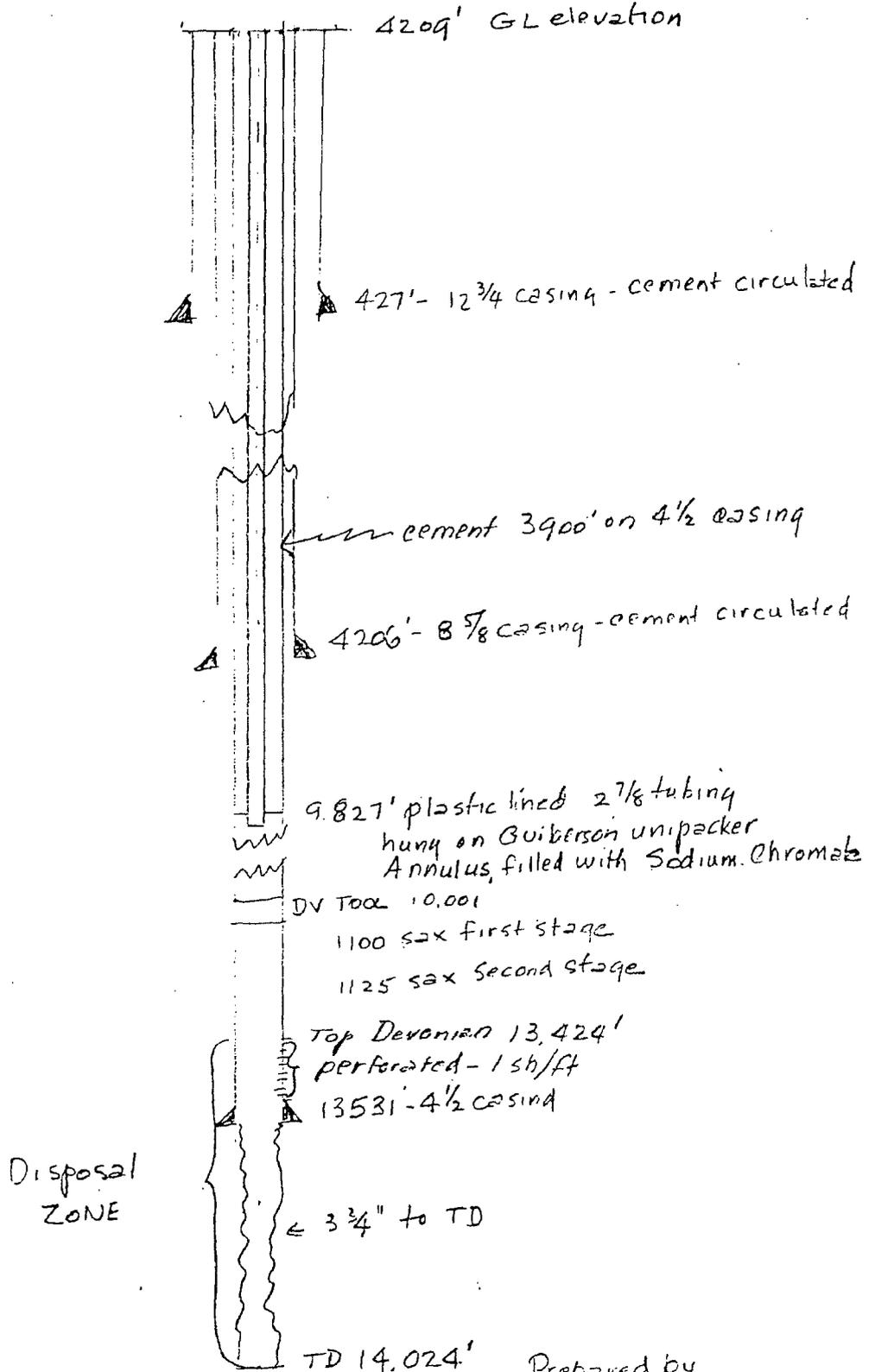
P. O. BOX 566

ROSWELL, NEW MEXICO 88201

PHONE 622-1958 AREA CODE 505

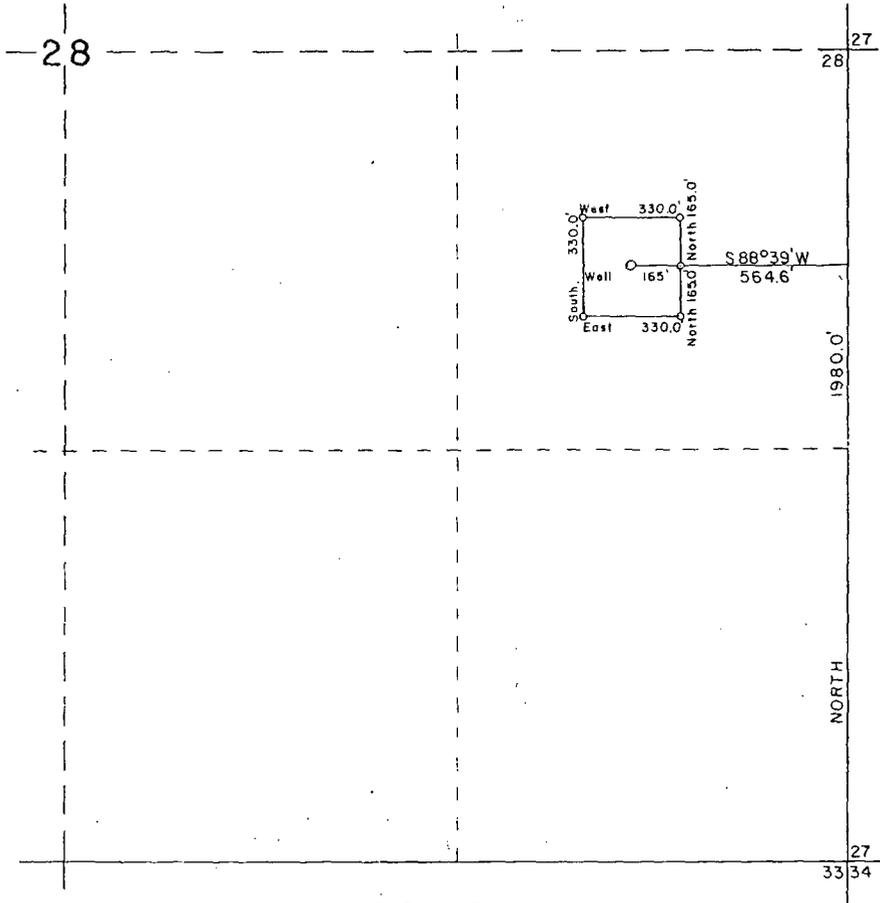
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2013 FEB -5 A 11:44



Prepared by
Charles C. Lovelace, Jr

TOWNSHIP 10 SOUTH, RANGE 34 EAST



DESCRIPTION

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 forties 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 SUPERVISION, AND THAT THE SAME IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

John W. West
 JOHN W. WEST N.M. P.E. & L.S. NO 678
 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 MORFS, NEW MEXICO

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

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

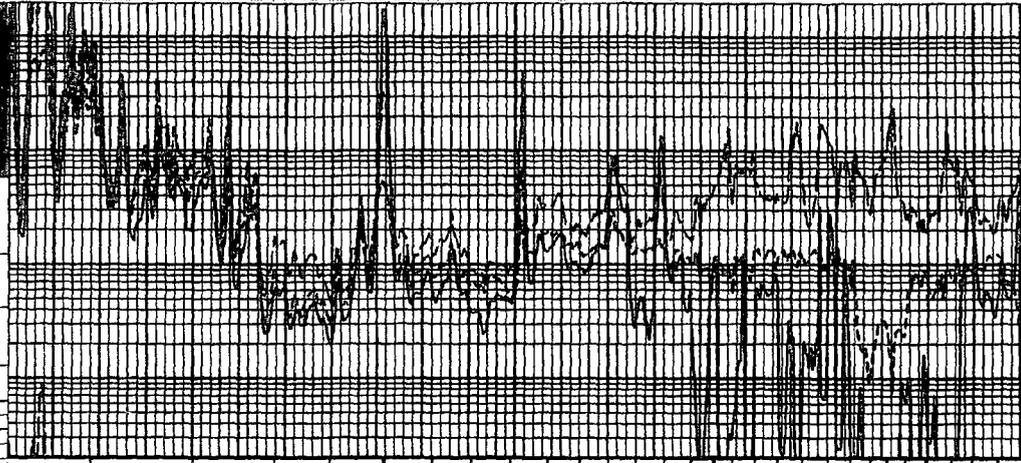
(CONTINUED)

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
 Strait State Unit #4
 Widea
 Lea, New Mexico



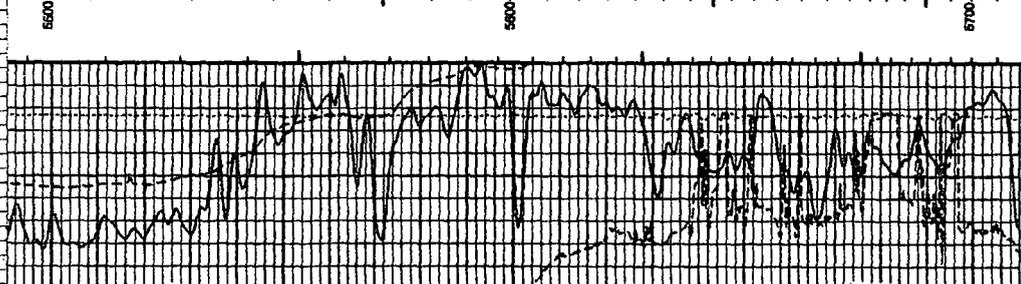
Schlumberger Platform Express
HRTes Laterolog Array
Micro-CFL / HNGS

1897 FSL & 1897 FEL
CONFIDENTIAL
 Elev.: K.B. 4223.5 ft
 G.L. 4203 ft
 D.F. 4222.5 ft

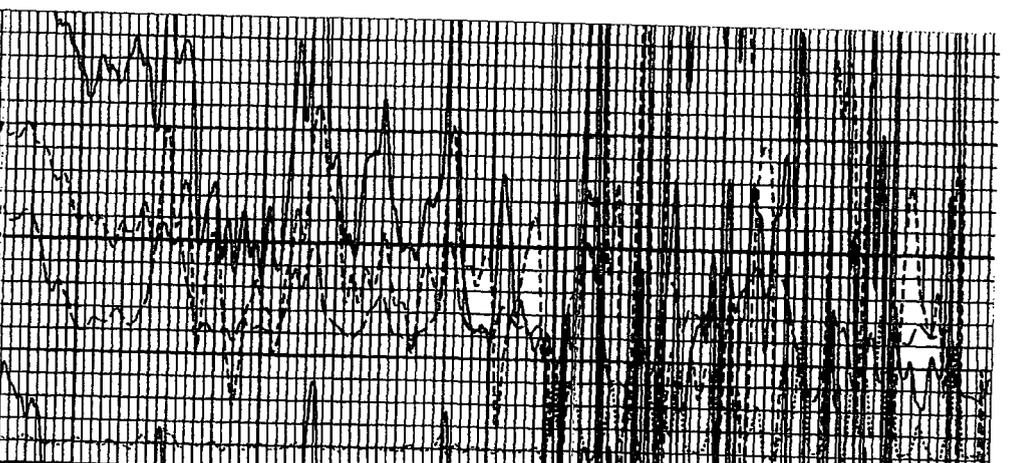
Permanent Datum: Ground Level Elev.: 4233 ft
 Log Measured From: Kelly Bushing 20.5 ft above Perm. Datum
 Drilling Measured From: Kelly Bushing

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 cP
 Fluid Loss: PH 12 cm³ 10
 Source Of Sample: Circulation Tank
 RMT @ Measured Temperature: 0.071 ohm.m @ 100 degF
 RMT @ Measured Temperature: 0.084 ohm.m @ 98 degF
 RMC @ Measured Temperature: @
 Source RMT: RMC Measured
 RMT @ MRT: RMT @ MRT 0.042 @ 175 0.033 @ 175 @
 Maximum Recorded Temperature: 175 degF
 Circulation Stopped: Time 15-Aug-2005 2:00
 Logger On Bottom: Time 15-Aug-2005 12:00
 Unit Number: Location 3178 Rowell
 Recorded By: Trevor Johnson
 Witnessed By: John Amist



Yates Petroleum Corporation
 Strait State Unit #4
 Widea
 Lea, New Mexico



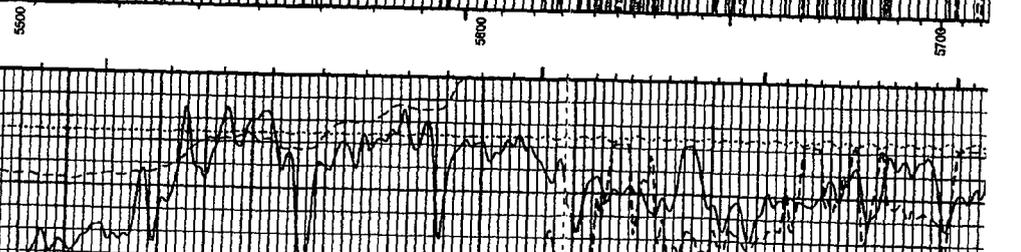
Schlumberger Platform Express
Three Detector Litho-Density
Compensated Neutron/HNGS

1897 FSL & 1897 FEL
CONFIDENTIAL
 Elev.: K.B. 4223.5 ft
 G.L. 4203 ft
 D.F. 4222.5 ft

Permanent Datum: Ground Level Elev.: 4233 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 cP
 Fluid Loss: PH 12 cm³ 10
 Source Of Sample: Circulation Tank
 RMT @ Measured Temperature: 0.071 ohm.m @ 100 degF
 RMT @ Measured Temperature: 0.084 ohm.m @ 98 degF
 RMC @ Measured Temperature: @
 Source RMT: RMC Measured
 RMT @ MRT: RMT @ MRT 0.042 @ 175 0.033 @ 175 @
 Maximum Recorded Temperature: 175 degF
 Circulation Stopped: Time 15-Aug-2005 2:00
 Logger On Bottom: Time 15-Aug-2005 12:00
 Unit Number: Location 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
ID: 12718 (02/14/2005) FM/ID: 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;

(OVER)

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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

LEAS: Lea State New Mexico

Platform Express
Three Detector Litho-Density
Compensated Neutron/HNGS

990 FSLA 1700 FWL
CONFIDENTIAL

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

Permanent Datum: Ground Level Elev.: 4193 ft
Log Measured From: Kelly Busting 17.0 ft above Perm. Datum
Drilling Measured From: Kelly Busting

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 Driller Size @ Depth: 8.925 in @ 4215 ft

Casing Schlumberger: 4204 ft

BI Filter: 8.750 in

Type Fluid in Hole: Brine

Density: Viscosity: 10 lbm/gal 39 s
Fluid Loss: FH: 11 cm3 10.5

Source Of Sample: Circulation Tank

RFM @ Measured Temperature: 0.084 atm.m @ 74 degF

RFM @ Measured Temperature: 0.081 atm.m @ 62 degF

RFM @ Measured Temperature: @

Source RFM: RFM: Measured

RFM @ MRT: RFM @ MRT: 0.028 @ 180 0.022 @ 180

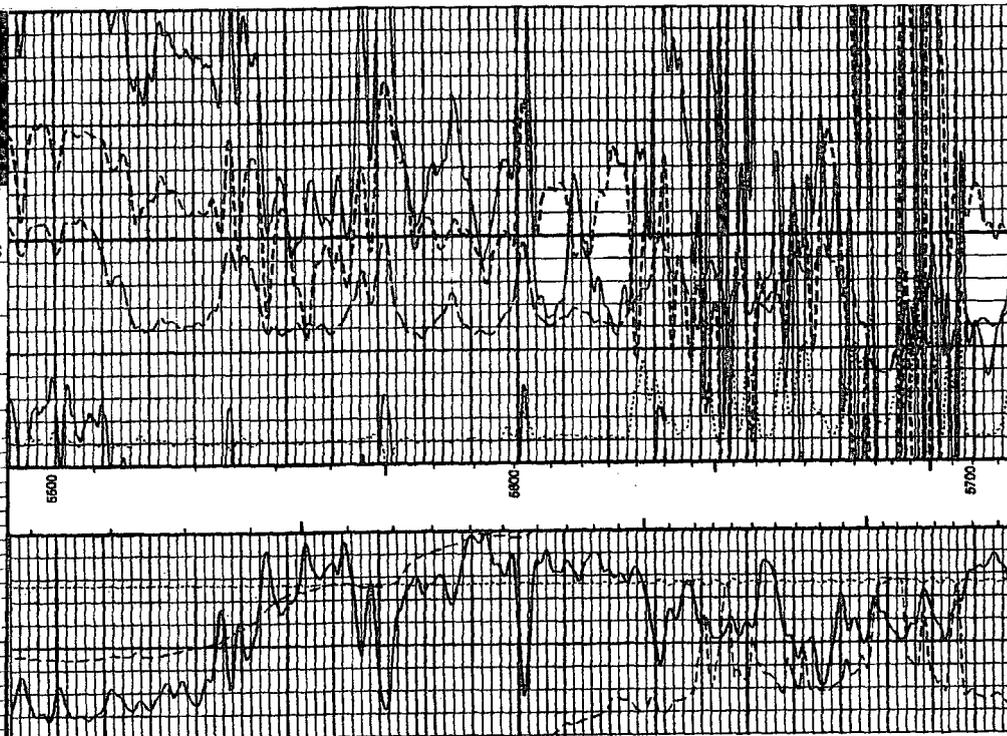
Maximum Recorded Temperature: 180 degF

Circulation Stopped: Time: 14-Feb-2005 12:00

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

Unit Number: Location: 3178 | Powell

Recorded By: Trevor Johnson



COMPANY: Yates Petroleum Corporation

WELL: Elvis State Unit #1

FIELD: Wildcat

LEAS: Lea State New Mexico

Platform Express
HI Res Laterolog Array
Micro-CFL / HNGS

990 FSLA 1700 FWL
CONFIDENTIAL

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

Permanent Datum: Ground Level Elev.: 4193 ft
Log Measured From: Kelly Busting 17.0 ft above Perm. Datum
Drilling Measured From: Kelly Busting

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

Date: 15-Feb-2005

Filter: One

Driller Depth: 12716 ft

Schlumberger Depth: 12732 ft

Bottom Log Interval: 12730 ft

Top Log Interval: 4204 ft

Filter Size @ Depth: 8.925 in @ 4215 ft

Schlumberger: 4204 ft

BI Filter: 8.750 in

Type Fluid in Hole: Brine

Density: Viscosity: 10 lbm/gal 39 s
Fluid Loss: FH: 11 cm3 10.5

Source Of Sample: Circulation Tank

Measured Temperature: 0.084 atm.m @ 74 degF

Measured Temperature: 0.081 atm.m @ 62 degF

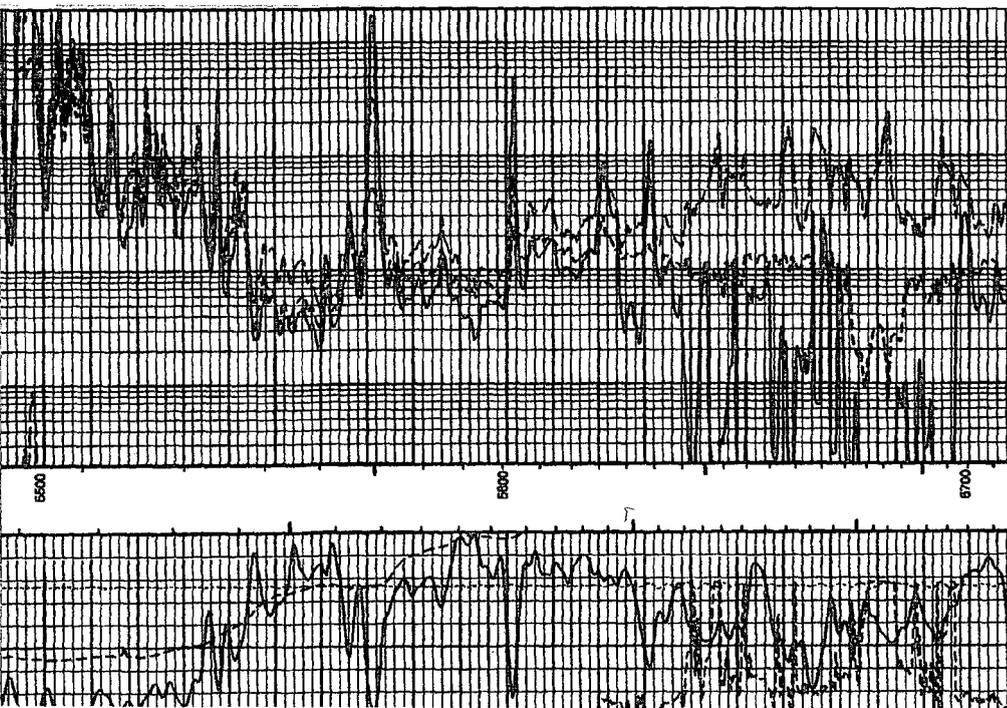
Measured Temperature: @

Source RFM: RFM: Measured

RFM @ MRT: RFM @ MRT: 0.028 @ 180 0.022 @ 180

Maximum Recorded Temperature: 180 degF

Circulation Stopped: Time: 14-Feb-2005 12:00



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-34E

Spud: 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 sx

Comp 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', Wdfd 13, 336', Dev 13, 431'

API No.: 30-025-25558

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Petroleum Information

CORPORATION

A Subsidiary of A.C. Nielsen Company

Date: 11-2-77

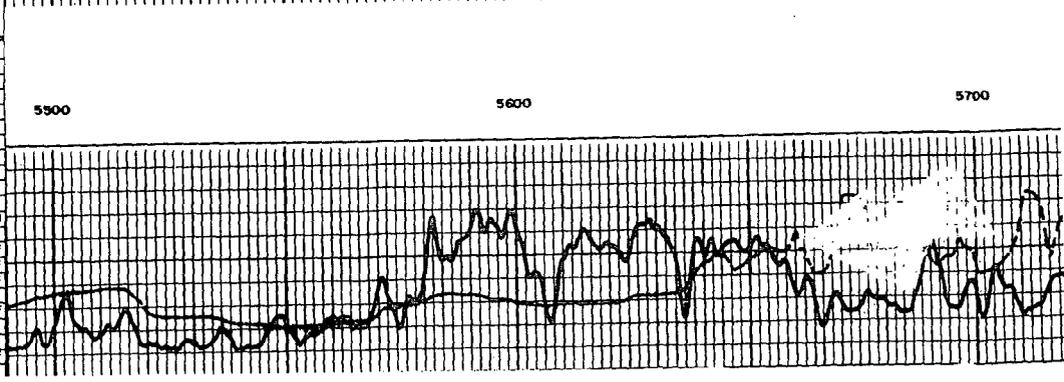
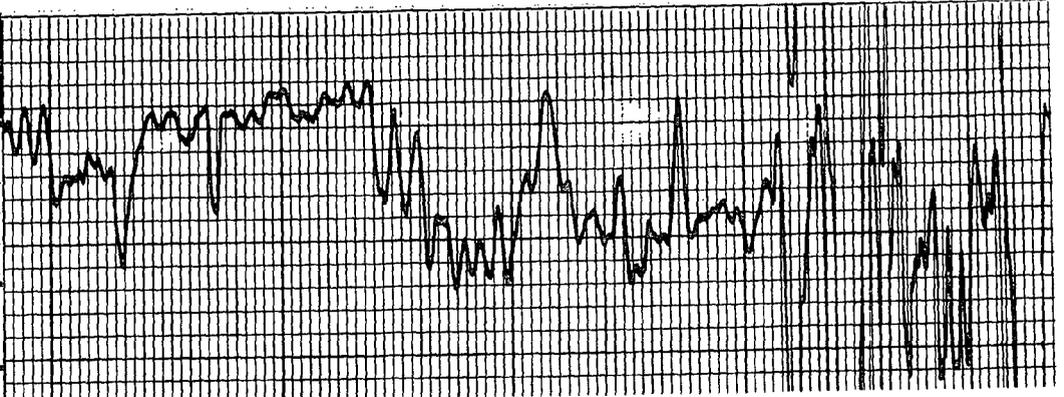
Card No.: 21 mm

Schlumberger **BOREHOLE COMPENSATED SONIC LOG**

COUNTY LEA WILDCAT
 STATE 28 #1
 COMPANY TIPPERARY OIL & GAS
 COMPANY TIPPERARY OIL AND GAS COMPANY
 WELL STATE "28" #1
 FIELD WILDCAT
 COUNTY LEA STATE NEW MEXICO
 LOCATION 1990 FSL & 660 FEL Other Services: CNL/FDC
DL
 APERTURE NO. SEC TWP RANGE
28 10-S 34-E

Permanent Datum GL Elev. 4209 Elev. K.B. 4226
 Log Measured From KB 17 Ft. Above Perm. Datum D.F. _____
 Drilling Measured From KB G.L. 4209

Date	8-26-77						
Run No.	08E						
Depth - Filter	13531						
Depth - Logger (Schl.)	13529						
Str. 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							
Up							
Fluid Loss	9 5 @ 43						
Source of Sample	F11						
Run @ Meas. Temp.	.007 @ 82 °F						
Run @ Meas. Temp.	.065 @ 82 °F						
Run @ Meas. Temp.	@ °F						
Source: Ref / Rec	H						
Run @ BH	.041 @ 188 °F						
Circulation Stopped	0700						
Logger on Bottom	1300						
Max. Rec. Temp.	188						
Equip. Location	7679 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
ID: 12840 (07/10/2003) FM/ID: 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

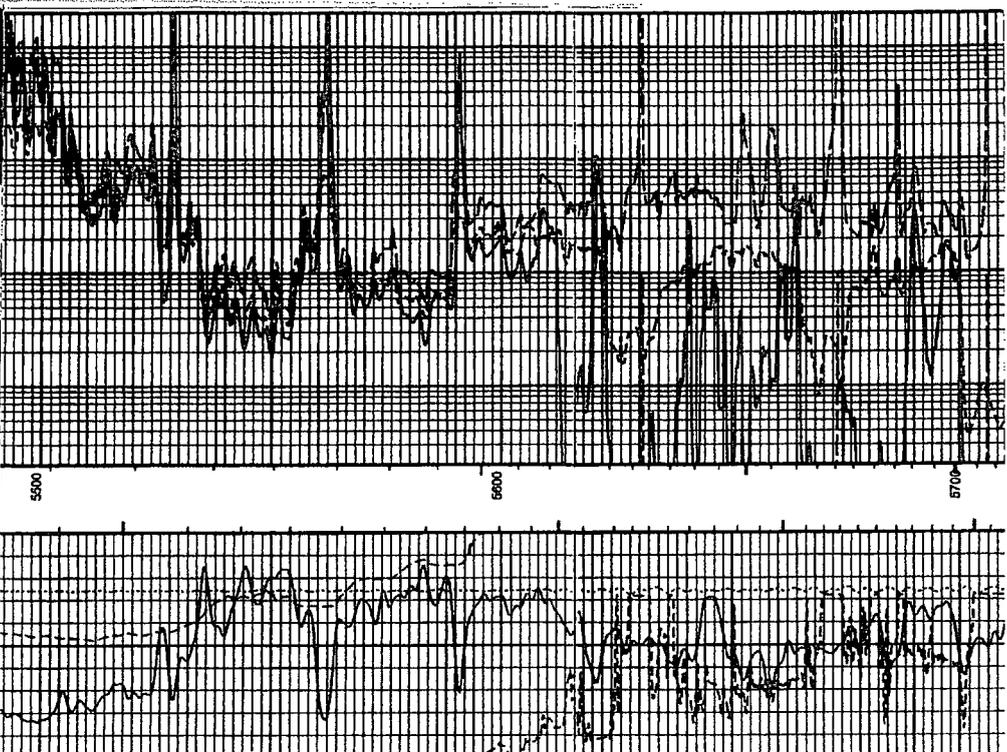
1980 FSL & 680 FEL Elev.: K.B. 4229 ft
 G.L. 4209 ft
 D.F. 4228 ft

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. 30-025-88263 SECTION 33 TOWNSHIP 10S RANGE 34E

Logging Date 11-Jul-2003
 Run Number One
 Depth Driller 12940 ft
 Schlumberger Depth 12937 ft
 Bottom Log Interval 12929 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 0.054 ohm.m @ 100 degF @
 RMC @ Measured Temperature 0.054 ohm.m @ 100 degF @
 RNF @ Measured Temperature @ @
 Source RMC Measured @
 RM @ MRT RMC @ 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 Location 3178 Rowlett, NM
 Recorded By Dean Zehner
 Witnessed By John Amick



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

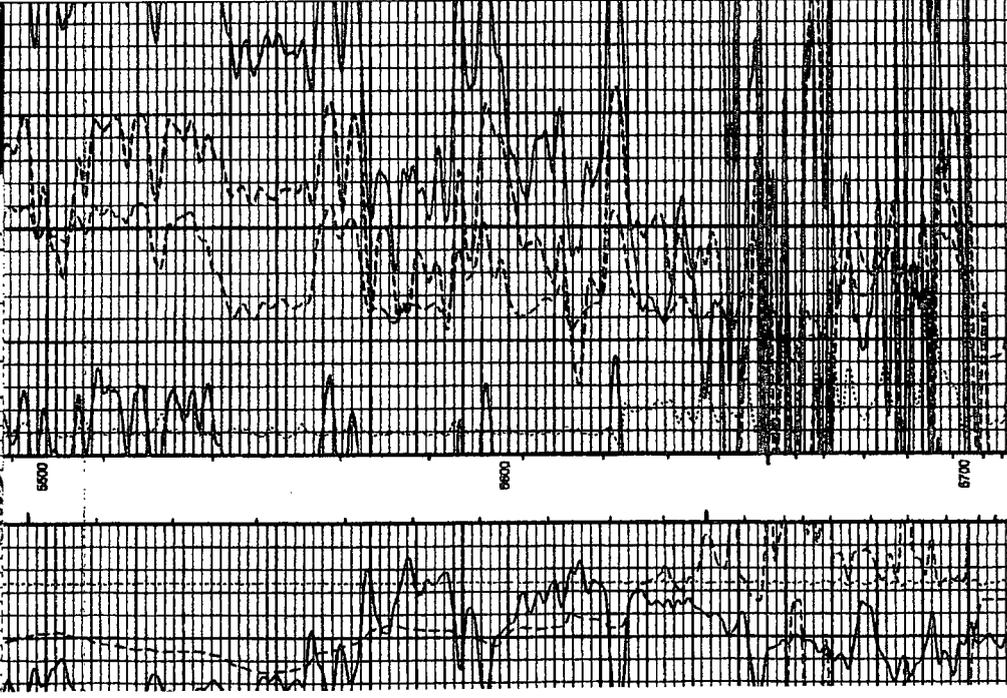
1980 FSL & 680 FEL Elev.: K.B. 4229 ft
 G.L. 4209 ft
 D.F. 4228 ft

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. 30-025-88263 SECTION 33 TOWNSHIP 10S RANGE 34E

Logging Date 11-Jul-2003
 Run Number One
 Depth Driller 12940 ft
 Schlumberger Depth 12937 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 0.054 ohm.m @ 100 degF @
 RMC @ Measured Temperature 0.054 ohm.m @ 100 degF @
 RNF @ Measured Temperature @ @
 Source RMC Measured @
 RM @ MRT RMC @ 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. **Phone #:** 575-622-8800

Address (Street, City, Zip): PO Box 1213 Roswell NM 86202-1213 **Fax #:** 575-622-8805

Contact Person: Rory McMinin **E-mail:** RoryMcMinin@sta.com

Invoice to: PO Box 1518 Roswell NM 86202-1518

Project #: NMSWD Kizer Project **Project Name:** Kizer Project

Project Location (including state): Lea, Co. NM. **Sampler Signature:** [Signature]

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX				PRESERVATIVE METHOD				SAMPLING		MTBE 8021B / 602 / 8260B / 624	BTEX 8021B / 602 / 8260B / 624	TPH 418.1 / TX1005 / TX1005 Ext(C33)	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 8082 / 608	Pesticides 8081A / 608	BOD (5d) TDS, CL	Moisture Content	Na, Si, Ca, Mg, K, SO4, CL, ALK, COND.	Turn Around Time if different from standard	Hold	
				WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE	NONE																					DATE
17800	Kizer Project	6		X				XX		XX								X						XX		X								
	Temp Blank																																	

Relinquished by: <u>[Signature]</u>	Company: <u>CMW</u>	Date: <u>11/07/00</u>	Time: <u>0800</u>	Received by:	Company:	Date:	Time:	Temp °C:
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	Temp °C:
Relinquished by:	Company:	Date:	Time:	Received by: <u>Emilone IA</u>	Company: <u>IA</u>	Date: <u>11-6-00</u>	Time: <u>9:30</u>	Temp °C: <u>5.9</u>

LAB USE ONLY

Intact / N

Headspace Y / N / NA

3.9

Log-in/Review: ERMA

REMARKS: Sample Bottles:
3x 4ml Vials/MLC
1x 500 ml/pl/Amo
 Dry Weight Basis Required
 TRRP Report Required
 Check if Special Reporting Limits Are Needed
1x 1 Liter
Nine
1x 1 Liter
amber Glass

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

Carrier # FedEx 86032606961 - GLI 3049888037

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
Dimethylphtthalate		<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' RSL + 660' FBL

Other Services:
BHC-Gr
S-DLLRxo
HDT

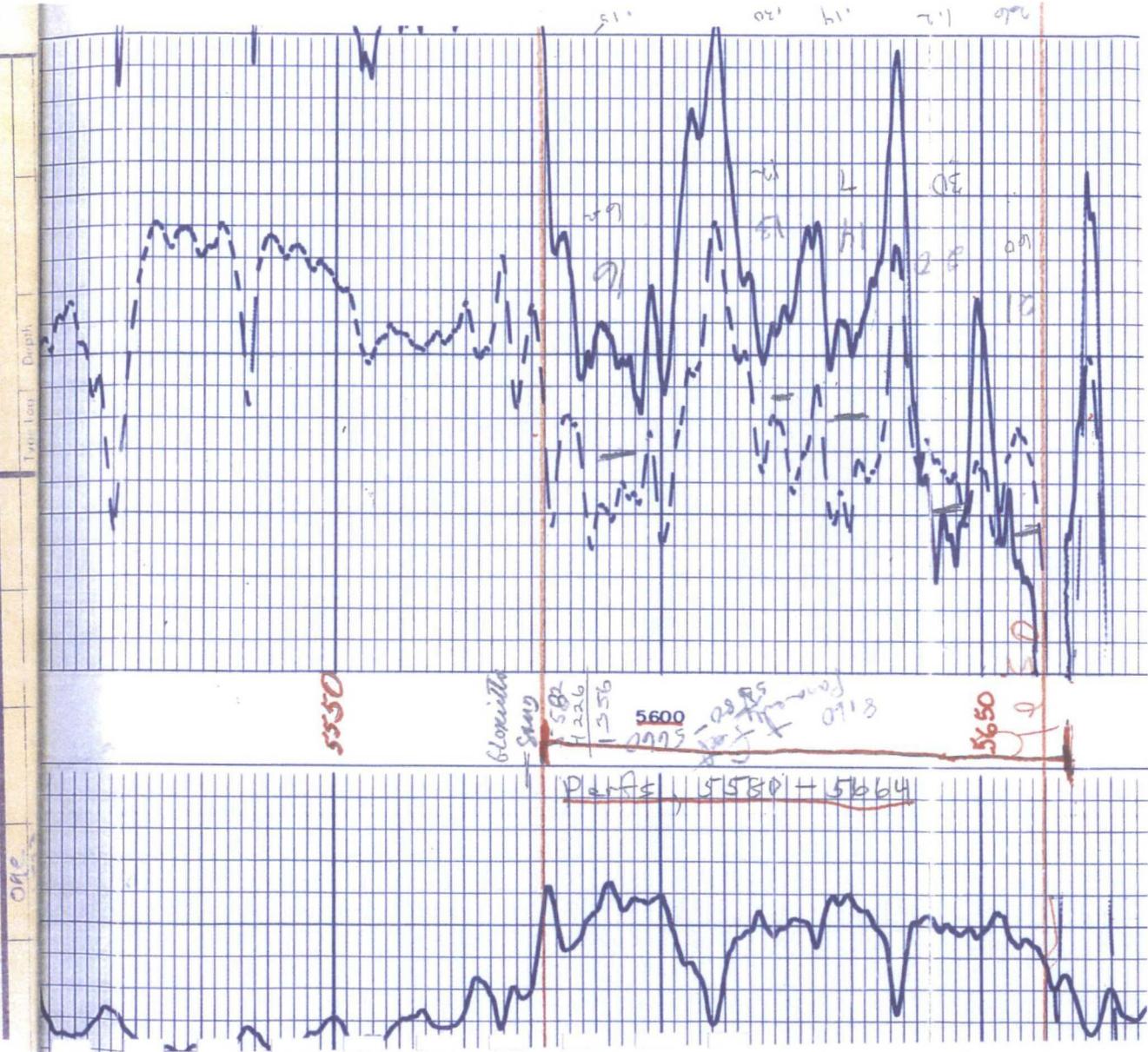
SERIAL NO. SEC. TWP. RANGE
28 10-S 34-E

GL Elev. 4209
KB 17 Ft. Above Perm. Datum
KB

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

8-27-77									
onc									
13531									
13522									
13521									
4208									
85' @ 4206		@		@		@		@	
4208									
7 1/8									
SALT MUD									
9.5	43								
7	10 ml		ml		ml		ml		ml
0.87 @ 82	F	@	F	@	F	@	F	@	F
0.65 @ 82	F	@	F	@	F	@	F	@	F
- @ -	F	@	F	@	F	@	F	@	F
m		@		@		@		@	

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



OSE

SECTION _____

TOWNSHIP 11S

RANGE 34E

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

Table with 4 columns and 4 rows, mostly empty.

(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 19 68

(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

Table with 4 columns: No., Depth in Feet (From, To), Thickness in Feet, Description of Water-Bearing Formation. Row 1: 1, 80, 110, 30, Water Sand.

Section 3

RECORD OF CASING

Table with 8 columns: Dia in., Pounds ft., Threads in., Depth (Top, Bottom), Feet, Type Shoe, Perforations (From, To). Row 1: 7, 22, 10, 0, 95, 95, open, 70, 95.

Section 4

RECORD OF MUDDING AND CEMENTING

Table with 5 columns: Depth in Feet (From, To), Diameter Hole in in., Tons Clay, No. Sacks of Cement, Methods Used.

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:

Table with 3 columns: No., Depth of Plug (From, To), No. of Sacks Used.

FOR USE OF STATE ENGINEER ONLY
Date Received 1968 DEC - 2 AM 8:46
Basin Supervisor
File No. L-6394(E) Use OWD Location No. 11-34-3-112

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 W 1/4 N E 1/4 1/4 of Section 7 Twp. 11 S. Rge. 3 E.
 (B) Drilling Contractor Arco Beckus License No. W 3 322
 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 DWD Location No. 11.34.7.230

owd-ok

Section 6

LOG OF WELL

Depth in Feet		Thickness in Feet	Color	Type of Material Encountered
From	To			
0	1	1 ft		Soil
1	12	11 ft.		Caliche
12	18	6 ft.		Bolder
18	85	67 ft.		Sandy Clay
85	94	9 ft.		Quick Sand
94	116	22 ft.		Sandy Clay
116	124	8 ft.		Water Sand
124	140	16 ft.		Sandy Clay
				LS Elev _____
				Depth to K _____ Trc _____
				Elev of K _____ Trc _____
				FL 11.34.7.230
				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.

Grady Baker
Well Driller

L-5023

11.34.7.230



ENGINEER COPY

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 Dactus Drilling Corporation
 Street and Number P.O. Box 32
 City Midland 79701 State Texas
 Well was drilled under Permit No. L-6458(E) and is located in the
N¹/₄ NW 1/4 NE 1/4 of Section 8 Twp. 11S Rge. 34E
 (B) Drilling Contractor Abbott Brothers License No. WD-46
 Street and Number P.O. Box 637
 City Hobbs 88204 State New Mexico
 Drilling was commenced December 27 19 68
 Drilling was completed December 27 19 68

(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 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-NW 5961

File No. L-6458(E) Use OWD Location No. 11.34. 8.2/32

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. _____ ¼ _____ ¼ _____ ¼ 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**

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
¼ SW ¼ NW ¼ of Section 16 Twp. 113 Rge. 34E
 (B) Drilling Contractor ABBOTT BROS. License No. WT-46
 Street and Number BOX 637
 City MOORE, N.M. State _____
 Drilling was commenced _____ 19____
 Drilling was completed _____ 19____

(Plat 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. WD-46
 Street and Number BOX 637 City MOORE State N.M.
 Tons of Clay used _____ Tons of Roughage used _____ Type of roughage _____
 Plugging method used STEEL CASE Date Plugged OCT 31 19 68
 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 01 30 AM OCT 15 1968

File No. L-6372(E) Use OWD Location No. 11.34.16, 13

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 COMPANY
 Street and Number P.O. Box 1785
 City Midland 79701 State Texas
 Well was drilled under Permit No. L-6372(E) and is located in the
1/4 SW 1/4 NW 1/4 of Section 16 Twp. 11 S Rge. 34 E
 (B) Drilling Contractor Abbott Brothers License No. WD-48
 Street and Number P.O. Box 637
 City Hobbs 88240 State New Mexico
 Drilling was commenced August 18 19 68
 Drilling was completed August 19 19 68

(Plat of 640 acres)

Elevation at top of casing in feet above sea level _____ Total depth of well 124
 State whether well is shallow or artesian shallow Depth to water upon completion 60

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
 STATE ENGINEER OFFICE
 Date Received 1968 OCT-3 4:29
 File No. 1-6372(E) Use DWD Location No. 113416133

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 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 1/4 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

(Plat of 640 acres)

Elevation at top of casing in feet above sea level _____ 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 D.W.I.P. Location No. 11.34.16.330
 332431

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

Table with 4 columns and 4 rows for well location grid.

(A) Owner of well Mercum Drilling Company
Street and Number P.O. Box 5094
City Midland State Texas
Well was drilled under Permit No. L-6122 and is located in the S3 1/4 SW 1/4 NW 1/4 of Section 17 Twp. 11S Rge. 54E
(B) Drilling Contractor Abbott Brothers License No. W046
Street and Number P.O. Box 697
City Hobbs State New Mexico
Drilling was commenced March 29 1967
Drilling was completed March 29 1967

(Plat of 640 acres)

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

Section 2

PRINCIPAL WATER-BEARING STRATA

Table with 4 columns: No., Depth in Feet (From, To), Thickness in Feet, Description of Water-Bearing Formation. Entry 1: 43, 73, 30, Water Sand.

Section 3

RECORD OF CASING

Table with 7 columns: Dia in., Pounds ft., Threads in., Depth (Top, Bottom), Feet, Type Shoe, Perforations (From, To). Entry: 5, 20, 0, 5, 5, Surface nipple only.

Section 4

RECORD OF MUDDING AND CEMENTING

Table with 5 columns: Depth in Feet (From, To), Diameter Hole in in., Tons Clay, No. Sacks of Cement, Methods Used.

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:

Table with 3 columns: No., Depth of Plug (From, To), No. of Sacks Used.

FOR USE OF STATE ENGINEER ONLY
Date Received 1967 MAY 26 AM 8:16
Basin Supervisor
File No. L-6122 Use OWD Location No. 11 34 17.130

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
1/4 NW 1/4 NW 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 67
 Drilling was completed April 29 19 67

(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 45

Section 2

PRINCIPAL WATER-BEARING STRATA

No.	Depth in Feet		Thickness in Feet	Description of Water-Bearing Formation
	From	To		
1	<u>45</u>	<u>90</u>	<u>45</u>	<u>brown sand, water</u>
2				
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>20</u>		<u>0</u>	<u>8</u>	<u>8</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				

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 _____

MAY 11 AM 8 18 1967

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

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 Bogel Farms

Table with 4 columns and 4 rows, likely for well location or survey data.

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

Table with columns: No., Depth in Feet (From, To), Thickness in Feet, Description of Water-Bearing Formation. Row 1: 1, 43, 58, 15, Coarse sand & pea gravel.

Section 3

RECORD OF CASING

Table with columns: Dia in., Pounds ft., Threads in., Depth (Top, Bottom), Feet, Type Shoe, Perforations (From, To). Row 1: 6-5/8, 20, 0, 25, 25.

Section 4

RECORD OF MUDDING AND CEMENTING

Table with columns: Depth in Feet (From, To), Diameter Hole in in., Tons Clay, No. Sacks of Cement, Methods Used.

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:

Table with columns: No., Depth of Plug (From, To), No. Sacks Used.

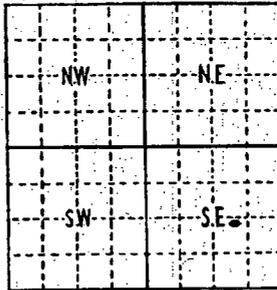
Basin Supervisor
FOR USE OF STATE ENGINEER ONLY
Date Received
File No. 2-6784 Use STK Location No. 11-3421-14224

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



(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	<u>Yellow sand & gravel</u>
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

FILED

JUN 6 1950

Sec. 5

PLUGGING RECORD OF OLD WELL

Well is located in the 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 _____

OFFICE
ARTESIAN WELL SUPERVISOR
ROSWELL, NEW MEXICO

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)

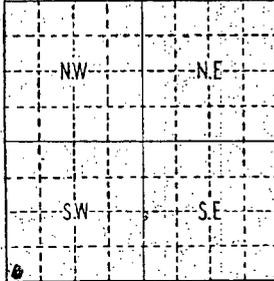
L-396 Well #9 on LC 4-88-9 11.34.23.441

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



(Plat of 640 acres)
Locate Well Accurately

Owner of well Hal Boyle
 Street and Number _____
 Post Office Dexter, N. Mex.
 Well was drilled under Permit No. LD-26 and
 is located in the $\frac{1}{4}$ SW, $\frac{1}{4}$ SW, $\frac{1}{4}$ 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>1 1/2</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 $\frac{1}{4}$ $\frac{1}{4}$ $\frac{1}{4}$ 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)

L-395

Well #8 on LC 4-88-9

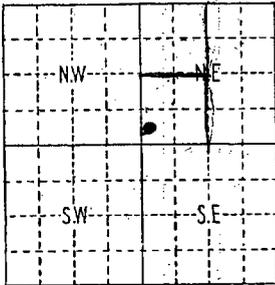
11.34.24.330

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 Bayle
 Street and Number _____
 Post Office Defeat 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 Host 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</u>	<u>Saginaw</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 4-9-8

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 Company
 Street and Number P.O. Box 1785
 City Midland State Texas
 Well was drilled under Permit No. L - 5024 and is located in the
S. E. 1/4 S. 4. 1/4 T. 25 N. 11 E. Rge. 34 E.
 (B) Drilling Contractor E. B. Baker Dril. Co. License No. ED 27A
 Street and Number Box 998
 City Seminole State Texas
 Drilling was commenced 12/20 19 62
 Drilling 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	<u>20'</u>	<u>75'</u>	<u>45'</u>	<u>white & tan water sand</u>
2				
3				
4				
5				

Section 3

RECORD OF CASING

Dia in.	Pounds ft.	Threads in	Depth		Feet	Type Shoe	Perforations	
			Top	Bottom			From	To
			<u>Piece in top</u>				<u>None</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				

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
 DISTRICT II
 Date Received _____
 STATE ENGINEER OFFICE
 1963 JAN 11 AM 8:19
 File No. L-5024 Use O.W.D. Location No. 434-28-730

O.W.D.-OK

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 COMPANY
 Street and Number P.O. Box 5024
 City Midland, Texas State _____
 Well was drilled under Permit No. L-5345 and is located in the
 $\frac{1}{4}$ ~~NE~~ $\frac{1}{4}$ ~~NE~~ $\frac{1}{4}$ of Section 32 Twp. 11 S Rge. 34 E
 (B) Drilling Contractor Abbott Brothers License No. 45-40
 Street and Number P.O. Box 637
 City Hobbs State New Mexico
 Drilling was commenced February 26 19 64
 Drilling was completed February 26 19 64

(Plat of 640 acres)

Elevation at top of casing in feet above sea level _____ Total depth of well 70
 State 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:

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

Basin Supervisor _____

FOR USE OF STATE ENGINEER ONLY

Date Received 1964 MAR 16 AM 8:15

File No. L-5345

Use OWD Location No. 11.34.32.110

owd-ok

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 1919
 City Hobbs 88240 State New Mexico
 Well was drilled under Permit No. L-6239 and is located in the
1/4 NE 1/4 NE 1/4 of Section 35 Twp 11 S Rge. 34 E
 (B) Drilling Contractor Abbott Brothers License No. WD-46
 Street and Number P.O. Box 637
 City Hobbs 88240 State New Mexico
 Drilling was commenced December 1 19
 Drilling was completed December 1 19 67

(Plat of 640 acres)

Elevation at top of casing in feet above sea level _____ Total depth of well 72
 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	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:

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

Basin Supervisor _____

FOR USE OF STATE ENGINEER ONLY

Date Received 1967 DEC 27 PM 3:31

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

Section 6

LOG OF WELL

Depth in Feet		Thickness in Feet	Color	Type of Material Encountered
From	To			
0	2	2		surface soil
2	25	23		caliche
25	32	7	red	sand
32	50	18		sand, tight
50	59	9		sand, water
59	67	8		sandy clay
67	72	5	yellow	clay
				LS 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 _____

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

2-6239

11.34.35, 220

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 _____ 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 1962

Drilling was completed December 9 1962

(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
<u>None</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				

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

DISTRICT II LOVINGTON

Date Received _____

12:08 PM 5-MAR 1963

File No. L-5000 Use Stock Location No. 11-359410

Stock of

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: _____

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

State Engineer Representative

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

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 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 N.E. 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

(Plat of 640 acres)

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	<u>100</u>	<u>117</u>	<u>17</u>	<u>Water Sand (Tan)</u>
2				
3				
4				
5				

Section 3

RECORD OF CASING

Dia in.	Pounds ft.	Threads in	Depth		Feet	Type Shoe	Perforations	
			Top	Bottom			From	To
<u>8 5/8</u>	<u>32</u>		<u>0</u>	<u>8</u>	<u>8</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>1</u>	<u>around Top</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 OFFICE

FILED

Date Received NOV 20 1958

OFFICE
GROUND WATER SUPERVISOR
BOEWELL, NEW MEXICO

File No. L-4022 Use R.W.D. Location No. 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. J. ...

Street or P. O. ..., City and State ...

1. Well location and description: The shallow well is located in SW 1/4 of Section 25, Township 11 S, Range 37 E, Elevation of top of casing above sea level, ... feet; diameter of hole, ... inches; total depth, ... feet;

SW 1/4 NW SE 1/4 of Section 25, Township 11 S, Range 37 E; Elevation of top of casing above sea level, ... feet; diameter of hole, ... inches; total depth, ... feet;

depth to water upon completion, ... feet; drilling was commenced ... 19... and completed ... 19...; name of drilling contractor ...

...; Address, ...; Driller's License No. ...

2. Principal Water-bearing Strata:

No.	Depth in Feet		Thickness	Description of Water-bearing Formation
	From	To		
No. 1	<u>...</u>	<u>...</u>	<u>...</u>	<u>...</u>
No. 2	<u>...</u>	<u>...</u>	<u>...</u>	<u>...</u>
No. 3				
No. 4				
No. 5				

3. Casing Record:

Diameter in inches	Pounds per ft.	Threads per inch	Depth of Casing or Liner		Feet of Casing	Type of Shoe	Perforation	
			Top	Bottom			From	To
<u>...</u>	<u>...</u>	<u>...</u>	<u>0</u>	<u>110</u>	<u>110</u>	<u>...</u>	<u>...</u>	<u>...</u>

4. If above construction replaces old well to be abandoned, give location: ... of Section ..., Township ..., Range ...; name and address of plugging contractor, ...

...; name and address of plugging contractor, ...

date of plugging ... 19...; describe how well was plugged: ...

FILED
 JAN 4 1954
 OFFICE
 GROUND WATER SUPERVISOR
 ROSWELL, NEW MEXICO

WJD-ox
L-2415

11. 37. 25. 410

5. Log of Well:

Depth in Feet		Thickness in feet	Description of Formation
From	To		
0	2	2	soil
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
			LS 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 _____

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.

W. L. Barber
 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.

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 McLester Fuel Company
 Street and Number Box 608
 City Livingston 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 Carson Drilling Co. License No. ED-183
 Street and Number Box 1021
 City Livingston 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. W. 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.

CATCO WATER WELL DRILLING COMPANY

Well Driller

Grady Baskus

2-3724

11.38.16.140

Just records JWS

LEA 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 1/4, NW 1/4,
(shallow or artesian)
NW 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	92	108	16	Tight light water sand
No. 2	108	119	11	Gravel with water
No. 3	119	150	31	Sand and gravel with water
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: 1/4, 1/4, 1/4
of Section Township Range name and address of plugging contractor,

date of plugging 19.....; describe how well was plugged:

FILED
APR 16 1954
OFFICE
GROUND WATER SUPERVISOR
ROSWELL, NEW MEXICO

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 _____

John

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 632
 City Midland State Texas
 Well 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 62
 City Seminole State Texas
 Drilling 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 78
 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	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:

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

Basin Supervisor _____

FOR USE OF STATE ENGINEER OFFICE

FILED

Date Received JUL 10 1957

OFFICE
GROUND WATER SUPERVISOR
ROSWELL, NEW MEXICO

File No. L-3564 Use OWD Location No. 11-38, 31, 234

NO FE-1

Section 6

LOG OF WELL

Depth in Feet		Thickness in Feet	Color	Type of Material Encountered
From	To			
0	2	2		top soil
2	45	43		hard rock
45	52	7		water sand
52	55	3		gravel
55	60	5		rock
60	70	10		water sand
70	78	8		yellow clay
				U.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 _____

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.

STONE DRILLING CO.

by: *Richard E. Stone*
Well Driller

2-3564

11.38 31.234

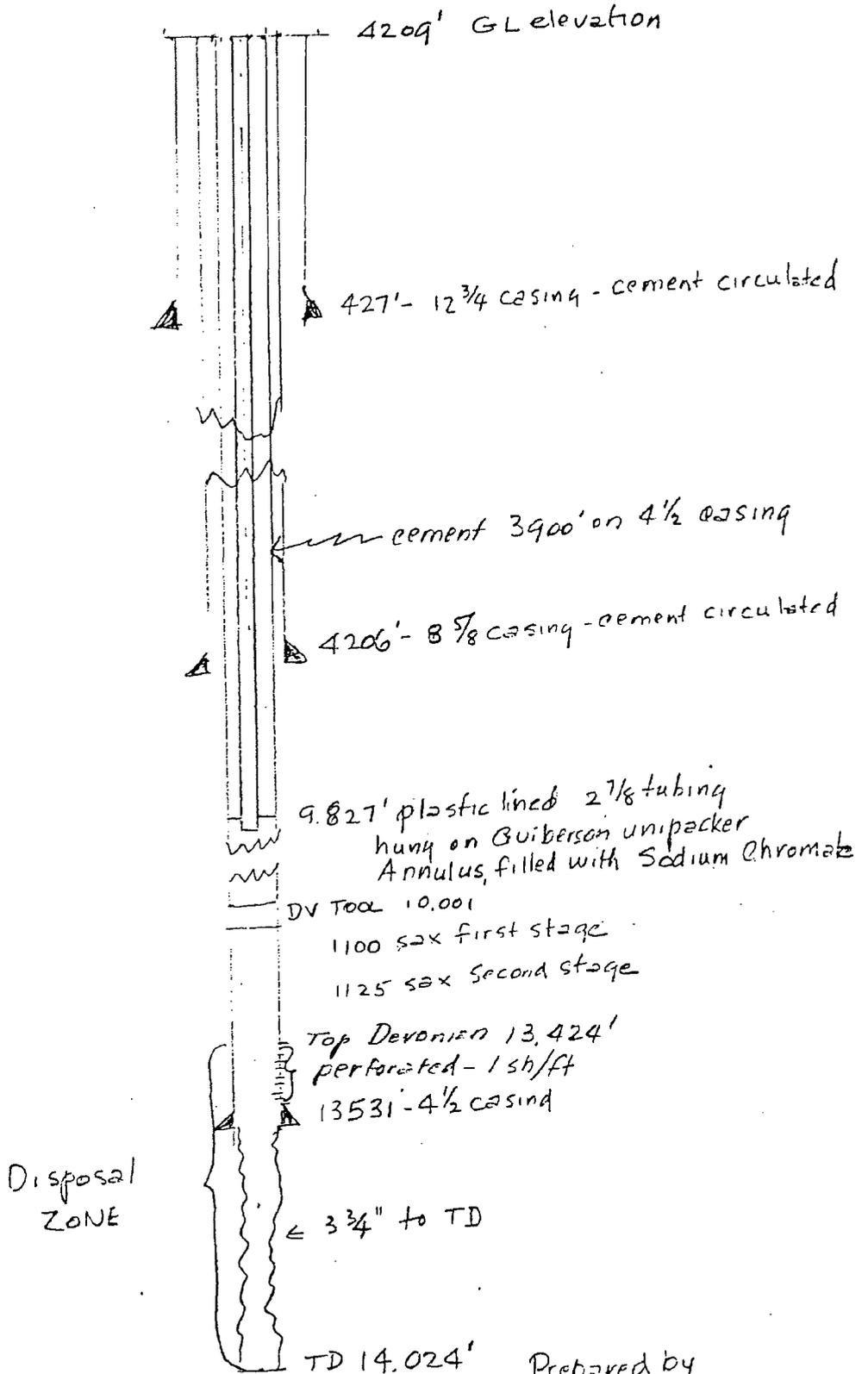
NEW MEXICO SALTWATER DISPOSAL CO, INC

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 perms 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 perms 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



4209' GL elevation

427' - 12 3/4 casing - cement circulated

cement 3900' on 4 1/2 casing

4206' - 8 5/8 casing - cement circulated

9.827' plastic lined 2 7/8 tubing
hung on Guiberson unipacker
Annulus filled with Sodium Chromate

DV Tool 10.001

1100 52x first stage

1125 52x second stage

Top Devonian 13,424'
perforated - 1 sh/ft

13531 - 4 1/2 casing

Disposal
ZONE

3 3/4" to TD

TD 14,024'

Prepared by
Charles C. Lovelace, Jr

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OPERATOR	

Form C-105
Revised 11-1-78

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

5a. Indicate Type of Lease
State Fee
 5. State Oil & Gas Lease No.
LG 2824

1a. TYPE OF WELL Took over dry Devonian test from Tipperary 8/28/77
 OIL WELL GAS WELL DRY OTHER _____
 b. TYPE OF COMPLETION
 NEW WELL WORK OVER DEEPEN PLUG BACK DIFF. RESVR. OTHER Disposal

7. Unit Agreement Name
8. Farm or Lease Name
State "28"
9. Well No.
1

2. Name of Operator
New Mexico Salt Water Disposal Co., Inc.
 3. Address of Operator
P. O. Box 566 - Roswell, New Mexico 88201
 4. Location of Well

10. Field and Pool, or Wildcat
Wildcat

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 N.M.P.M.

15. Date Spudded
8-26-77
 16. Date T.D. Reached
8-26-77
 17. Date Compl. (Ready to Prod.)
8-26-77
 18. Elevations (DF, RKB, RT, GR, etc.)
4209 GR
 19. Elev. Casinghead

20. Total Depth
14,024
 21. Plug Back T.D.
14,024
 22. If Multiple Compl., How Many
1
 23. Intervals Drilled By
Rotary Tools
 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
<u>12 3/4</u>		<u>427'</u>		<u>Circulated</u>	
<u>8 5/8</u>		<u>4206</u>		<u>Circulated</u>	
<u>4 1/2</u>		<u>13,421</u>		<u>DV tool 10,001'</u> <u>1100 sx and 1125 sx</u>	

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
<u>2 7/8</u>	<u>9827</u>	<u>9827</u>

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
<u>13,424-14,024</u>	<u>10 gallon 15% HCL</u>

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 [Signature] 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 Qtzite _____
T. Glorieta <u>5580'</u>	T. McKee _____	Base Greenhorn _____	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota _____	T. _____
T. Blinebry _____	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>9910'</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 Aspen 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'	2200'	Red Beds - Red Shale & Sand	11,110'	11,614'	504'	Strawn, limestone, shale
2200'	2250'	50'	Kustler Anhydrite	11,614'	11,580'	34'	Atoka, sand, shale, lime & Chert
2250'	2800'	550'	Salsado 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 lolo & shale				
4254'	5580'	1326'	San Andres, lolo, lime, anhydrite				
5580'	7040'	1460'	Glorieta, dolomite, sand, anhy.				
7040'	7827'	887'	Tubb, sand, dolomite, anhydrite				
7827'	9193'	1366'	Abo, red & green shale, lolo. 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 I S28-T10S-R34E
 1980' FSL & 660' FWL

TOC at
 3900'
 temp survey

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

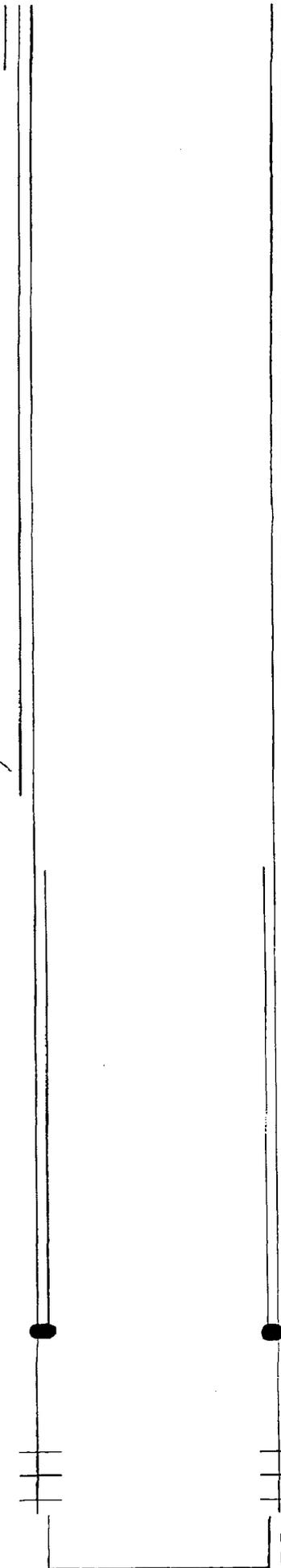
8 5/8" csg
 set at 4206'
 cmt circulated

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

ITC X IV

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:

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 address.
#27831

<h1>Advertising Receipt</h1>	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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Sent To *Diamond & Half, Inc.*
Street, Apt. No. *Attn: Justin Johnson*
or PO Box No. *P.O. Box 367*
City, State, ZIP+4 *Tatum, N.M. 88267-0367*

PS Form 3800, August 2005 See Reverse for Instructions

NEW MEXICO SALT WATER DISPOSAL COMPANY, INC.

January 8, 2013

VIA CERTIFIED MAIL RETURN RECEIPT RECEIPT

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,

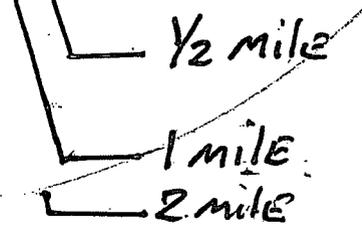
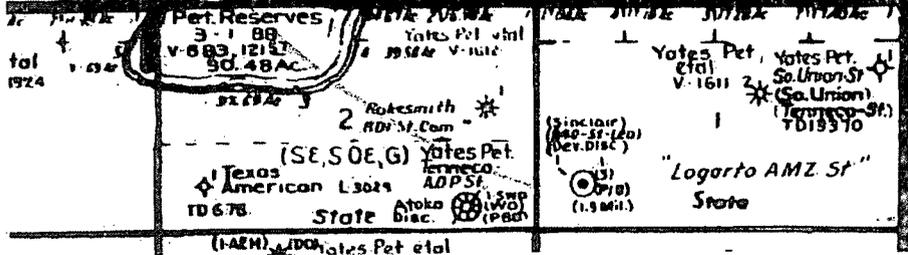
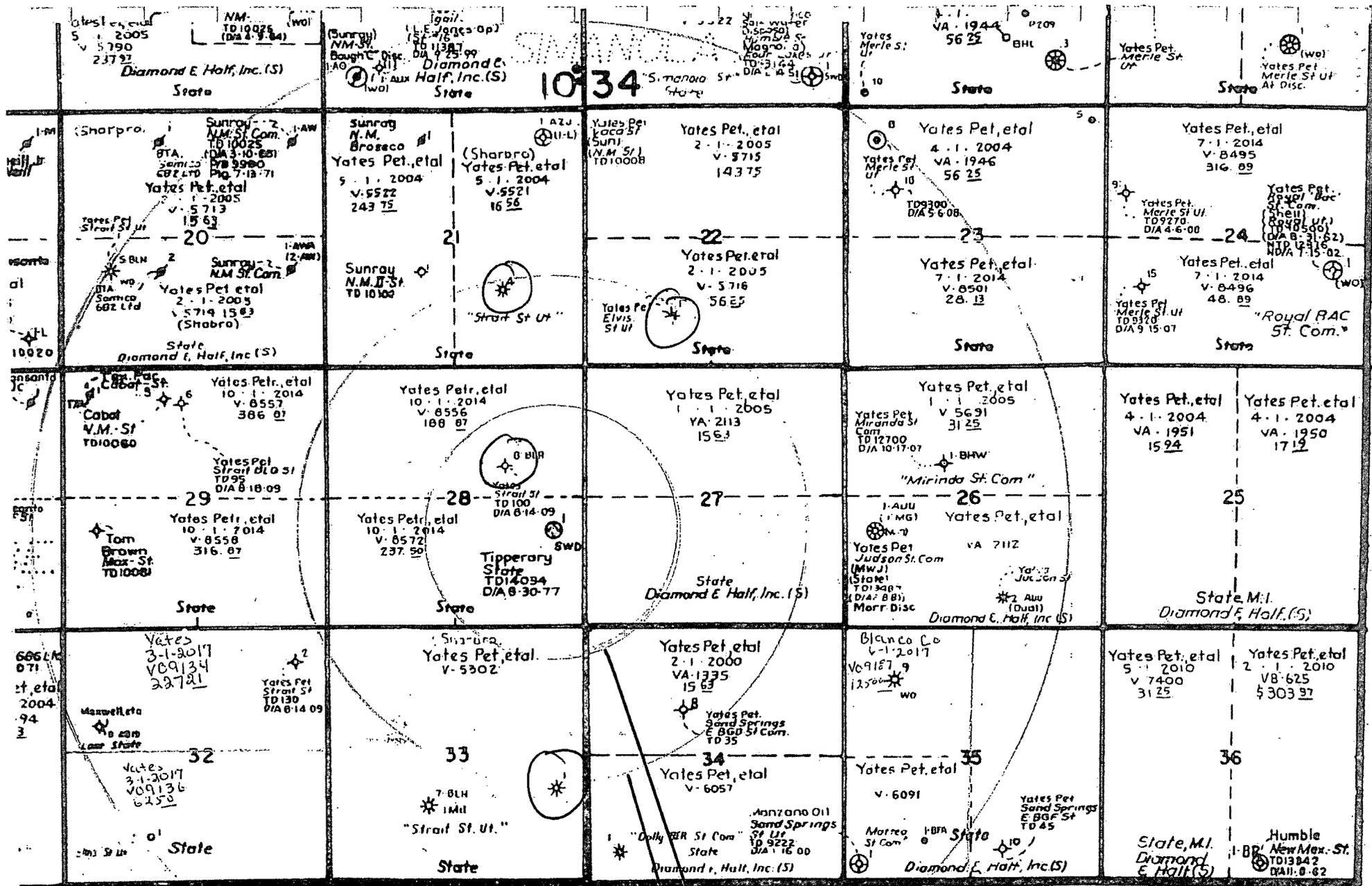


Rory McMinn, Vice President

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Street, Apt. No., or PO Box No. <i>Attn: Kathie Porter</i>	
City, State, ZIP+4 <i>105 S. Fourth St.</i>	
<i>Artesia N.M. 88210</i>	
PS Form 3800, August 2006	
See Reverse for Instructions	

Postmark here
JAN 07 2013
PSNELL, NM
88210



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

74
Berger

SIMULTANEOUS
COMPENSATED NEUTRON-
FORMATION DENSITY

COMPANY Tipperary Oil and Gas
Company
WELL State 28" #2
FIELD Wildcat
COUNTY Lea STATE New Mexico

1980' BSL + 62' FSL

Other Services:
BHC-GR
S-Dial Rx
HST

SERIAL NO	SEC	TWP	RANGE
	28	10N	24E

GL, Elev.: 4209
KB, 17 Ft. Above Perm. Datum
KB

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

8-27-77						
616						
13531						
13522						
13521						
4208						
858 @ 4200						
4208						
7 1/2						
5667 1/2						
95						
7	10 ml		ml		ml	
0.87 @ 82	F		F		F	F
0.67 @ 82	F		F		F	F
	F		F		F	F

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

