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Gary W. Larson,
Partner

2013 FEB — 59larson@hinklelawfirm.com

Case 14960

February 5, 2013

#### HAND DELIVERY

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,

Garv W. Larson

GWL:rc Encls.

# EXISTING/CURRENT

NEW MEXICO SALT WATER DISPOSAL COMPANY, INC.

212 PETROLEUM BLOG.

P. D. 80X 566

RECEIVED OCC

ROSWELL, NEW MEXICO 88201

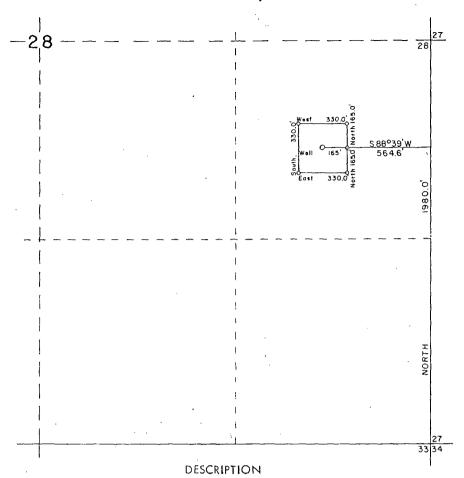
PHONE 622-1958 AREA CODE 505

2013 FEB -5 A 11: 44

1209' GLelevation 427'- 123/4 casing - cement circulated -cement 3900'on 41/2 easing 4206-878 Casing-coment circulated 9.827 plastic lined 27/8 tubing hung on Buiterson unipacker Annulus filled with Sodium Chromate DV TOOL 10,001 1100 sax first stage 1125 Sax Second stage Top Devenien 13,4241
perforated-1sh/ft 13531-42 casind TD 14.024' Prepared by Charles C. Loveless, Jr

Disposal ZONE

## TOWNSHIP IO SOUTH, RANGE 34 EAST



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<sup>o</sup>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:

NEZ SEZ

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 N.M. PE & L.S. NO 678

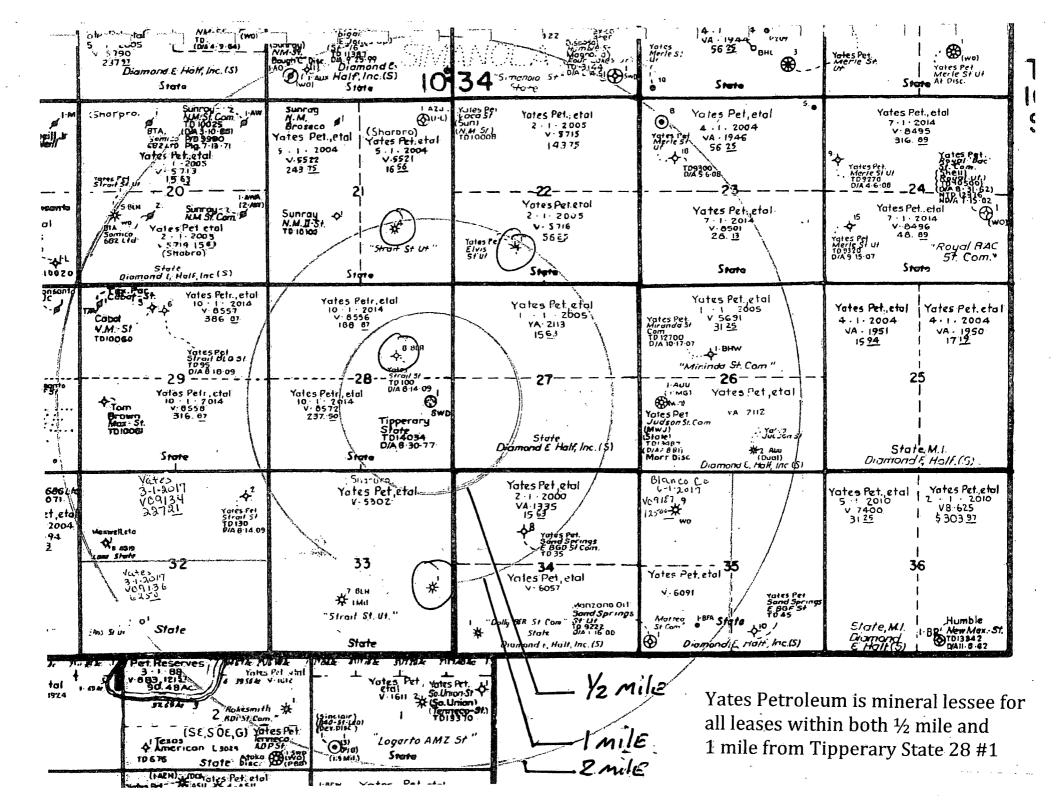
NEW MEXICO SALT WATER DISPOSAL CO.

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

JOHN W. WEST ENGINEERING COMPANY
CONSULTING ENGINEERS HORBS, 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**

<u>SPUD</u>: 06/18/2005 <u>COMP</u>: 09/06/2005 <u>RIG REL</u>: 08/17/2005 <u>ELEV</u>: 4223 KB 4203 GR

<u>TD</u>: 12700 (08/14/2005) <u>FM/TD</u>: CHESTER LM <u>PBTD</u>: 12617 <u>DTD</u>: 12700

<u>CONTR</u>: PATTERSON-UTI ENERGY INCORPORATED RIG # 497 (VERTICAL)

<u>PROJ DEPTH/FM</u>: 12550 MISSISSIPPIAN (ST APPD PMT: 05/23/2005) <u>LEASE TYPE</u>: 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;

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01/18/2006 CARD# 0002-NM

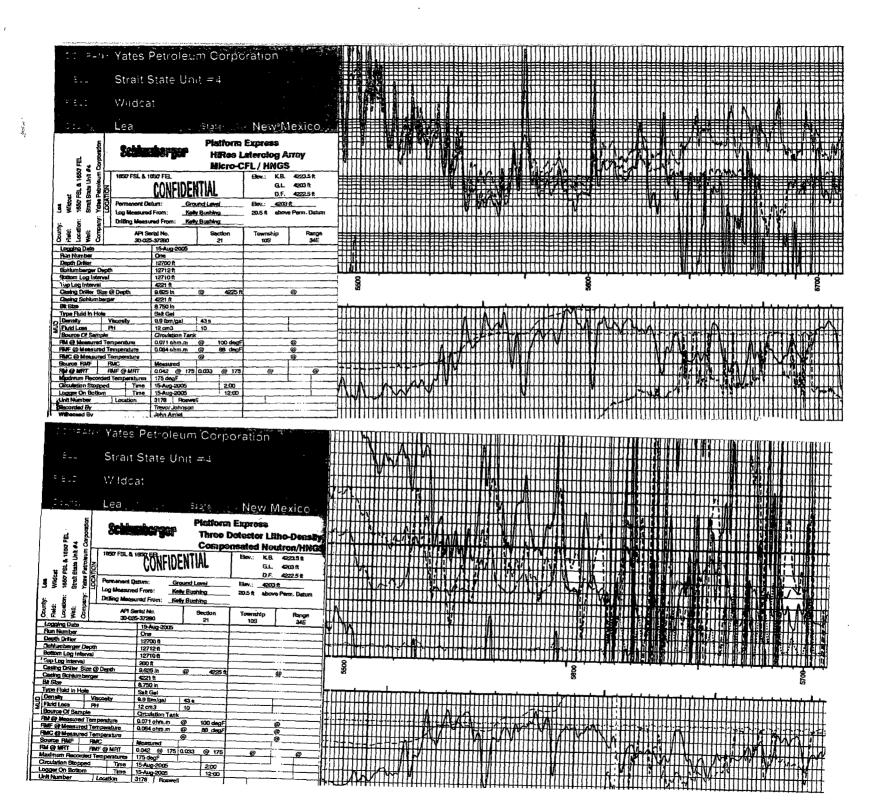
YATES PETROLEUM CORP

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, 400 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;



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**

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

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

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

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05/25/2005 CARD# 0010-NM

YATES PETROLEUM CORP

1 ELVIS STATE UNIT

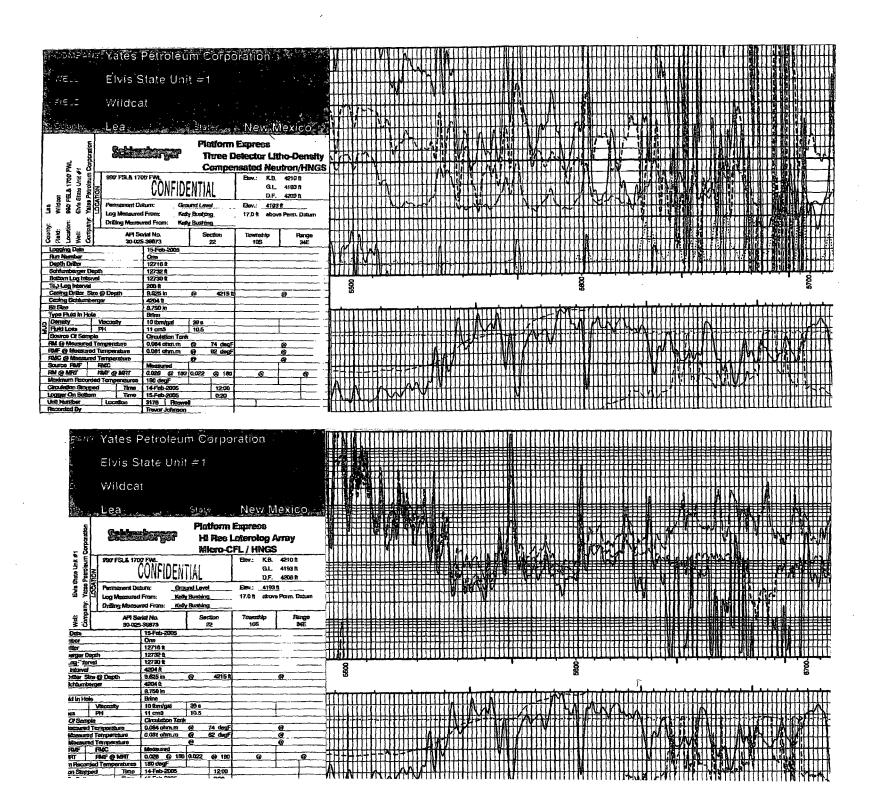
API: 30-025-36873, 22-10S-34E

(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;

> 05/25/2005 CARD# 0010-NM



Well:

TIPPERARY OEG CORP. 1 State "28"

Result DSA

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', Wolfc 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





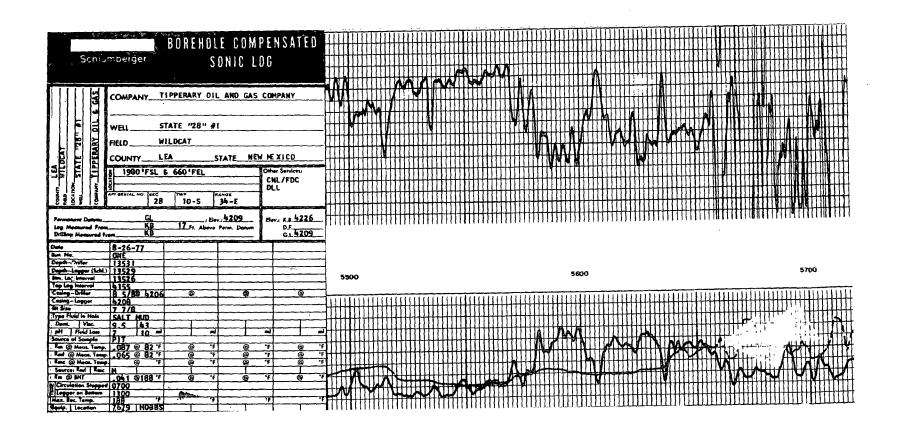
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Date:

11-2-77

Cord No.:  $^{21~\mathrm{rm}}$ 



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



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

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11/12/2003 CARD# 0005-NM

YATES PETROLEUM CORP

**1 STRAIT STATE UNIT** 

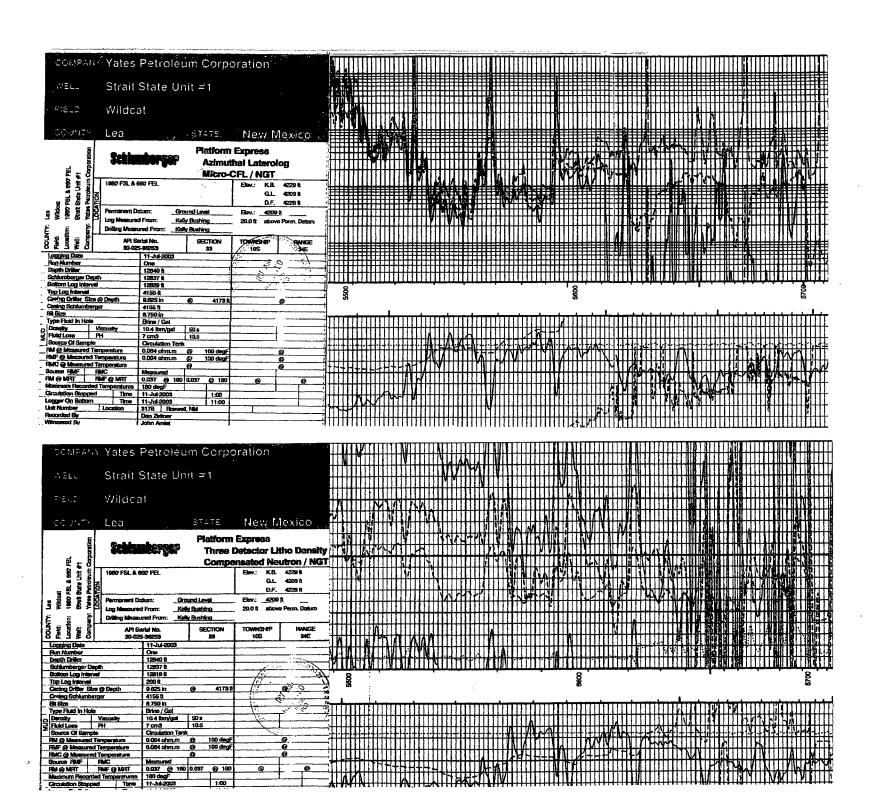
API: 30-025-36253, 33-10S-34E

#### (CONTINUED)

<u>LOG TOPS</u>: 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# MEDALLIOAN 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;



#### 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 Trucked Water Various Fields Lea & Roosevelt	No

Counties

8110901

Page\_\_\_\_\_ of \_\_\_\_\_

## 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 Tet (432) 689-6301 Fax (432) 689-6313 200 East Sunset Rd., Suite E El Paso, Texas 79922 Tel (915) 585-3443 Fax (915) 565-4944 1 (888) 588-3443

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

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	OW MCXICO SOI	of Wal	Er Di	15/150/C	one #:	-622-8800	(Circle	ANALYSIS REQUEST or Specify Method No.)
Address	(Street, City, Zip)	Roswell	1 NM	1 8620L-	2575-	622-8805	1 1 1 1 1 1 1	-1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 +
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Invoice to:	from above) PO BO	1518		WH NH	88202 - 15	518	Z 2 0 0 0	Star
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			<b>_</b>			Ti	Headspace Y/NYNA	TRRP Report Required
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L	· · · · · · · · · · · · · · · · · · ·			Entrove	<u> 7 A 11-1</u>	6 1/30 5.	C COG-IFFRENCE W C. 477.0	Limits Are Needed Damber Glass

Work Order: 8110901 Kizer Project

Page Number: 1 of 5 Lea Co., NM

## **Summary Report**

Rory McMinn

New Mexico Salt Water Disposal Co.

P.O. box 1213

Roswell, NM 88202

Report Date: November 14, 2008

Work Order: 8110901

Project Location: Lea Co., NM Kizer Project

Project Name:

Project Number: NMSWD Kizer Project

			Date	Time	Date
Sample	Description	Matrix	Taken	Taken	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	$\mathrm{mg/L}$	1.00
Chloride		72900	mg/L	3.00
Specific Conductance		92900	uMHOS/cm	0.00
Dissolved Potassium		$\boldsymbol{915}$	m mg/L	1.00
Dissolved Magnesium		883	m mg/L	1.00
Dissolved Sodium		35000	m mg/L	1.00
pН		6.48	s.u.	0.00
Pyridine		< 0.0238	$_{ m mg/L}$	0.00500
N-Nitrosodimethylamine		< 0.0238	mg/L	0.00500
2-Picoline		< 0.0238	mg/L	0.00500
Methyl methanesulfonate		< 0.0238	$\mathrm{mg/L}$	0.00500
Ethyl methanesulfonate		< 0.0238	m mg/L	0.00500
Phenol		0.292	m mg/L	0.00500
Aniline		< 0.0238	$_{ m mg/L}$	0.00500
bis(2-chloroethyl)ether		< 0.0238	$\mathrm{mg/L}$	0.00500
2-Chlorophenol		< 0.0238	mg/L	0.00500
1,3-Dichlorobenzene (meta)		< 0.0238	m mg/L	0.00500

Work Order: 8110901 Kizer Project Page Number: 2 of 5 Lea Co., NM

sample 178800 continued ...

Param	Flag	Result	Units	RL
1,4-Dichlorobenzene (para)	<	(0.0238	m mg/L	0.00500
Benzyl alcohol	<	(0.0238	mg/L	0.00500
1,2-Dichlorobenzene (ortho)	<	(0.0238	$\mathrm{mg/L}$	0.00500
2-Methylphenol		0.176	mg/L	0.00500
bis(2-chloroisopropyl)ether	<	(0.0238	$\mathrm{mg/L}$	0.00500
4-Methylphenol / 3-Methylphenol		0.136	mg/L	0.00500
N-Nitrosodi-n-propylamine	•	(0.0238	$\mathrm{mg/L}$	0.00500
Hexachloroethane	<	<0.0238	mg/L	0.00500
Acetophenone	<	< 0.0238	$\mathrm{mg/L}$	0.00500
Nitrobenzene	<	< 0.0238	$\mathrm{mg/L}$	0.00500
N-Nitrosopiperidine	<	< 0.0238	$\mathrm{mg/L}$	0.00500
Isophorone	<	< 0.0238	$_{ m mg/L}$	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	m mg/L	0.00500
Naphthalene		0.0830	mg/L	0.00500
a,a-Dimethylphenethylamine		< 0.0238	m 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	m mg/L	0.00500
2-Methylnaphthalene		0.0667	$^{\rm mg/L}$	0.00500
1-Methylnaphthalene		0.0498	mg/L	0.00500
1,2,4,5-Tetrachlorobenzene		< 0.0238	$\frac{1-3}{mg/L}$	0.00500
Hexachlorocyclopentadiene		< 0.0238	$\frac{1-6}{mg/L}$	0.00500
2,4,6-Trichlorophenol		< 0.0476	mg/L	0.0100
2,4,5-Trichlorophenol		<0.0238	$^{-3/-}$	0.00500
2-Chloronaphthalene		< 0.0238	m mg/L	0.00500
1-Chloronaphthalene		<0.0238	mg/L	0.00500
2-Nitroaniline		<0.0238	mg/L	0.00500
Dimethylphthalate		<0.0238	mg/L	0.00500
Acenaphthylene	•	< 0.0238	mg/L	0.00500
2,6-Dinitrotoluene		< 0.0238	mg/L	0.00500
3-Nitroaniline		<0.0238	mg/L	0.00500
Acenaphthene		<0.0238	mg/L	0.00500
2,4-Dinitrophenol		<0.0238	mg/L	0.00500
Dibenzofuran		<0.0238	mg/L	0.00500
Pentachlorobenzene		<0.0238	mg/L	0.00500
4-Nitrophenol		< 0.119	$\frac{mg}{L}$	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
		<0.0238	mg/L	0.00500
2-Naphthylamine		(0.0200	11,6/1.	0.0000

TraceAnalysis, Inc. • 6701 Aberdeen Ave., Suite 9 • Lubbock, TX 79424-1515 • (806) 794-1296

This is only a summary. Please, refer to the complete report package for quality control data.

Work Order: 8110901 Kizer Project Page Number: 3 of 5 Lea Co., NM

sample 178800 continued ...

Param	Flag Result	Units	RL
Fluorene	<0.0238	mg/L	0.00500
4-Chlorophenyl-phenylether	<0.0238	$\frac{\mathrm{mg}/\mathrm{L}}{\mathrm{mg}/\mathrm{L}}$	0.00500
Diethylphthalate	<0.0238	mg/L mg/L	0.00500
4-Nitroaniline	<0.0238	$\frac{\mathrm{mg}/\mathrm{L}}{\mathrm{mg}/\mathrm{L}}$	0.00500
Diphenylhydrazine	<0.0238	$\frac{mg}{L}$	0.00500
4,6-Dinitro-2-methylphenol	< 0.0238	$_{ m mg/L}^{ m mg/L}$	0.00500
Diphenylamine	< 0.0238	$\frac{mg}{L}$	0.00500
4-Bromophenyl-phenylether	< 0.0238	$\frac{mg}{L}$	0.00500
Phenacetin	< 0.0238	mg/L	0.00500
Hexachlorobenzene	<0.0238	mg/L	0.00500
4-Aminobiphenyl	< 0.0238	m mg/L	0.00500
Pentachlorophenol	< 0.0476	$\frac{mg/L}{mg/L}$	0.0100
Anthracene	< 0.0238	$\frac{m_{\mathrm{g}}/L}{\mathrm{mg/L}}$	0.00500
Pentachloronitrobenzene	<0.0238	$_{ m mg/L}$	0.00500
Pronamide	<0.0238	mg/L	0.00500
Phenanthrene	<0.0238	$_{ m mg/L}$	0.00500
Di-n-butylphthalate	<0.0238	$\frac{\mathrm{mg}}{\mathrm{L}}$	0.00500
Fluoranthene	<0.0238	m mg/L	0.00500
Benzidine	<0.0258	mg/L	0.0250
Pyrene	<0.0238	mg/L	0.00500
p-Dimethylaminoazobenzene	<0.0238	mg/L	0.00500
	<0.0238	mg/L	0.00500
Butylbenzylphthalate Benzo(a)anthracene	<0.0238	mg/L	0.00500
3,3-Dichlorobenzidine	<0.0238	mg/L	0.00500
	<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	$m_{ m g}/L$	0.00500
Benzo(b)fluoranthene Benzo(k)fluoranthene	< 0.0238	mg/L	0.00500
7,12-Dimethylbenz(a)anthracene	< 0.0238	$\frac{mg}{L}$	0.00500
	< 0.0238	m mg/L	0.00500
Benzo(a)pyrene 3-Methylcholanthrene	< 0.0238	$_{ m mg/L}$	0.00500
Dibenzo(a,j)acridine	< 0.0238	mg/L	0.00500
Indeno $(1,2,3\text{-cd})$ pyrene	< 0.0238	mg/L	0.00500
Dibenzo(a,h)anthracene	< 0.0238	$\frac{mg}{L}$	0.00500
Benzo(g,h,i)perylene	< 0.0238	m mg/L	0.00500
Total Silica	< 0.0500	$\frac{1100}{\mathrm{mg/L}}$	0.0500
Sulfate	1170	$\frac{mg}{L}$	1.00
Total Dissolved Solids	118600	m mg/L	10.00
Total Silver	< 0.00500	mg/L	0.00500
Total Arsenic	< 0.0100	mg/L	0.0100
Total Barium	0.278	$^{ m mg/L}$	0.00500
Total Cadmium	<0.00200	$\frac{1-3}{\mathrm{mg/L}}$	0.00200
Total Chromium	< 0.00500	m mg/L	0.00500
Total Mercury	<0.000200	m mg/L	0.000200
Total Lead	0.0150	mg/L	0.00500
Total Selenium	< 0.0200	m mg/L	0.0200
Total Selemum	\0.0200	0/	continued

Work Order: 8110901 Kizer Project Page Number: 4 of 5 Lea Co., NM

sample 178800 continued ...

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

Work Order: 8110901 Kizer Project

Page Number: 5 of 5 Lea Co., NM

sample 178800 continued . . .

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

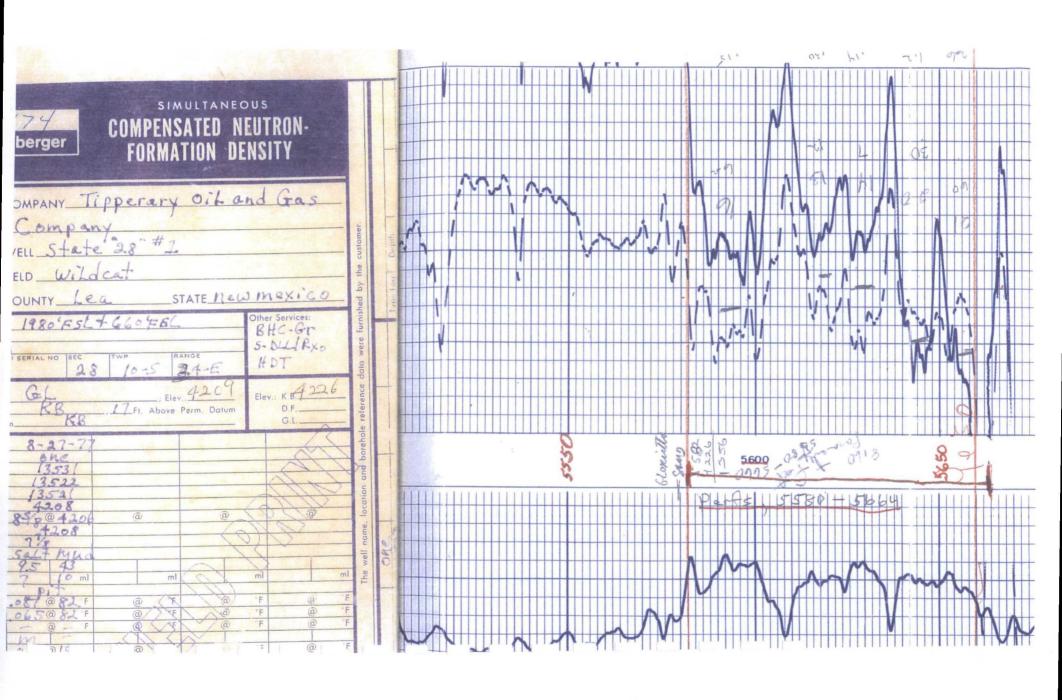
# Closest Formation Water Sample to State 28 #1 Sample Taken from field seperator Information found on Go-Tech Website

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

	Cation mg/l		Anion mg/l
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



OSE

**SECTION** 

TOWNSHIP\_

115

RANGE\_

34E

#### STATE ENGINEER OFFICE

#### WELL RECORD

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

Section	T		(A) Own	er of well	Tri-	Service Dril	ling Co.	
			1					
0			City	idland 7	9701		State	· .
			Well was	drilled un	ıder Perm	it No. L-639	4(E) and	l is located in the
		· .	¥	NW 1/4	NW 1/4	of Section3	Twp 11 S	
			(B) Drill	ing Contra	actor Ab	bott Brother	5 Licer	se No. WD+46
1		į	Street and	d Number.	P.O. B	ox 637	······································	
ļ	<del></del>		CityE	obbs New	Mexico	88240	State	New Mexico
			Drilling v	was comm	encedN	ovember 5	······································	19
L	<u> </u>		l Drilling v	vas comple	etedN	ovember 5		19_68
•	Plat of 640							•
Elevatio	on at top o	f casing ii	n feet above se	a level Shallow	·		oth of well 11	
State w	hether we	ll is shallo	ow or artesian	DIME		Depth to wa	ter upon comple	tion 80
Section	2	<u> </u>	PRIN	CIPAL WA	ATER-BEAR	NG STRATA	·	
No.		n Feet To	Thickness in Feet		Des	scription of Water	-Bearing Formatio	n.
1	80	110	30		Water Se	nd		
2				1			*.*	
3			V 1		: _			
4		· · · · · · · · · · · · · · · · · · ·				·	<u></u>	
5		<del></del>	1		:		1	
Section	3	:	: <del></del>	RECOR	RD OF CAS	SING		7-7-1
Dia	Pounds	Threa	ids De	epth .	T	The Chan	Perfo	rations
in.	. ft.	in		Bottom	Feet	Type Shoe	From	То
7	22	10	0	95	95	open	70	95
					<u> </u>	,		
		1 .		<u> </u>	<u>                                     </u>	<u>l·</u>		1.
Section	4		RECOI	RD OF MUI	DDING AN	D CEMENTING		
Dep From	th in Feet	Diame Hole in			acks of nent		Methods Used	
		1 25.	1.8		71			·
		1						
	i	1			<u> </u>			
Section	. 5			PLUG	SING REC	ORD		
	of Pluggin			· 				)
						<del> </del>		
Tons of	Clay used	1	Tons of I	Roughage			pe of roughage_	
Pluggin	g method	used	<del> </del>	<del></del>			ugged	
Pluggin	g approve	d by:			_	Cement Plu	gs were placed a	s follows:
-			Basin Su	pervisor	No	Depth of F	ro No. o	of Sacks Used
	707	TOTAL AND	II MARTINE	N	7			
Ī	FOR US		I'S ENGINEER O	NLX				
Date	Received			.ATS			· · ·	
}		97.8	DEC -S 🙀	8961				
		• !	(0)	•	<u> </u>			
File N	10.L-6	394	1(6)	UseC	DWD	Locatio	on No. 11-34	<u>-3-//3</u>

#### Section 6

#### LOG OF WELL

Depth in Feet		Thickness	Color	M
From	То 2	in Feet	Color	Type of Material Encountered
2				3011
	- 22	20		Caliche
-22	80	58		Sand
80	110	30-		Water Sand
		<del> </del>		
		<b> </b>		
		1:		
		† .: <b>-</b> -		
		:		
1				
		1		
	•			
		<del>                                     </del>		
		<del>  </del>		,
	*	<del> </del>		
		1		
		.:		
		<del>                                     </del>		

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

Well Driller

#### STATE ENGINEER OFFICE 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.

ection 1	<del></del>				er of well		L. He Fact		<u> </u>
				1.0	Number_	Mala	juic ma un ma	AL 1268	Terror
			1	City			L	5023 State	4.000-ca
4	· .	ρ	-   \	Well was	drilled un	der Pern 1/	of Section	Twn 11	nd is located in the Rge 34 Co
		<del></del>	-17	(B) Drilli	ing Contra	etor		isus Li	cense No. 322
		.		treet and	l Number_		mar 134		
				City		Lovin	gton	State	Hew Mexico
	٠.	·				enced			19
				_					19
levation a	of 640 a t top of her well	casing in	n feet ow or	above se	a level Shall	ou	Total dep Depth to wat	th of weller upon com	940 ft. oletion
ection 2				PRIN	ICIPAL WA	TER-BEAR	ING STRATA		
No. l.	Depth in	Feet		kness in Feet	: 	De	scription of Water	-Bearing Forma	ition
		94	9	ft.		dek Se			
2 11	6	124	8	ft.	桥	ter Se	ed		
3			. :						1.34
4		77.7.				: :			
5	· · · · ·		_	<del></del>					1 1944 11
ection 3					RECOR	D OF CA	SING		
1 - 77 1 1	Pounds	Threa			pth	Feet	Type Shoe		rforations
7 ID.	1t.	10	·	Top	Bottom	140	ļ	From 85	130
7 354	10	10		· ·	1-00	1.494	<u> </u>		130
	. : :								
		<del> </del>							
· . l.		<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>			
ection 4				RECOR	D OF MU	DING A	ID CEMENTING		
. Depth is		Diame Hole in		Tons Clay	No. Sa Cem			Methods Use	i
From	То	8 11						· · · · · · · · · · · · · · · · · · ·	
	·	<b>4</b>	<b>19</b> .	<del>.</del>					
							• • •		<u> </u>
		<del></del>		<del></del>	<del></del>				· · · · · · · · · · · · · · · · · · ·
ection 5	4:	<del>)</del>	!	3 4.5*	PLUGG	SING REC	ORD 1		· · · · · · · · · · · · · · · · · · ·
lame of P	lugging	Contrac	tor	<u> </u>				Incense	No
treet and		4 A 4			· · · · · · · · · · · · · · · · · · ·	City	。特別的後,由了特別	State	·
ons of Cla			<u>:                                    </u>	Tons of R	loughage u	ısed	Туг	e of roughag	re
lugging n	-						Date Plu	gged	19
lugging a	1		٠.				Cement Plug	s were placed	l as follows:
!		· '		, ·		No	Depth of Pl	No	of Sacks Used
<del></del>	. 7.4	M A II	7.0 mai	Basin Sul	pervisor	<del>-</del>   -	From T	0	
1				GINEER O	NLY			·	
D-4 *	:: <b>'</b>	EINEER	ik tN	<b>は別</b>			<del></del>		<del></del>
Date Re	cerver .	MD TI	83J	1961		<b>-</b>    _	+		
		, -•	~~~	·Adi			1 1		
						<u> </u>			
File No	4.3	502	}		Use	5201	2 Location	n No. //. 3	4.7.230
		<u> </u>				4, 1			

owd-ok

#### LOG OF WELL

Denth	in Feet	Thickness	· 1	
From	To	in Feet	Color	Type of Material Encountered
0.	1:	1 ft		Soil
1	12	1,10.f	•	Calchie
12	18	6 ft	• .	Bolder
_18	85	67. f	•	Sandy Clay
85	94	9 f	•	Quick Sand
94	116		2 ft.	Sandy Clay
116	124		it.	Water Sand
124	140	16	t.	Sandy Clay
				L S Elev  Depth to KTrc
·				Depth to K
	idili.			FL 11.34.7.230L
		<del> </del>		Loc No
<del></del>				Loc. NoField Check
				Teld Check
	<del> </del>			
				SOURCE OF ALTITUDE GIVEN
			<u> </u>	Interpolated from Topo. Sheet
<u>v</u>	<del> </del>	<u> </u>		Determined by Inst. Leveling
				Other
	-			
	-			
	-			
	<u> </u>	<u> </u>		
			ļ	

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.

Julay W

L- 5023

11.34.7.230

Form WR-23

STATE ENGINEER OFFICE

## State "D"

#### 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.

	-		(A) Own	er of well.	Dactu	s Drilling Co	rporation	
						9 <b>0</b> x 32		
	'	<b>'</b>	City		d 7970		State	Texas
			Well was	drilled un	der Perm	it No. 4 - 645	58(E) and	l is located in the
	.							Rge. 34E
	<del>  -</del>	<del></del>			ctor	Abbott Brothe		nse No. WD-46
			Street an	d Number	P.O.	Bex 637		Leg-
	<u> </u> -		City	Hobbs &	erda 8	8240	State _	New Mexico
			Drilling v	was comme	enced	December	27	19
L	11		Drilling v	vas comple	ted	December	27	19 68
	Plat of 640 a		_					
Elevation	n at top of	f casing i	n feet above se	a level		Total dep	oth of well	90
State wh	ether wel	l is shall	ow or artesian	sn	RITTOR	Depth to wat	er upon comple	tion 32
Section 2	2		PRIN	ICIPAL WA	TER-BEAR	ING STRATA	· · · · · · · · · · · · · · · · · · ·	<u> </u>
No.	Depth in		Thickness in Feet		Des	scription of Water	-Bearing Formatio	n
	From	То	reet	<u> </u>				
1	61	.80	19	sand	<u> </u>			
2								
3								-
4		:						
5								
	^		•	DECOD	D 05 044			
Section a	វ	· · · · · · · · · · · · · · · · · · ·	· · · · · -		D OF CAS	SING		
Dia in.	Pounds ft.	Threa		Bottom	Feet	Type Shoe	From	orations To
		<del></del>			05	anan l	51	80
7	27	10	) -5	90	. 95	open	71	
	<del> </del>			<del> </del>	·		<del></del>	<u> </u>
	ļ		<del></del>					
	1	_!		_!	<u> </u>	1		<u> </u>
Section 4	4		RECO	RD OF MUE	DING AN	ID CEMENTING		
Depth	h in Feet	Diame	- 1	No. Sa	- 1		Methods Used	
From	То	Hole in	n in. Clay	Cen	nent			
						<del></del>		
	<u> </u>	ļ					·-·	
		·				·		
	<u>. i</u>						·	
Section :	5			PLUGG	SING REC	ORD		
		. Contrac	tor				License No	)
Name of	f Plugging			·		****		
Name of Street a	f Plugging nd Numbe	er			City		State	
Name of Street as Cons of	f Plugging nd Numbe Clay used	er	Tons of l	Roughage t	City	Ty	State pe of roughage	19
Name of Street as Fons of Plugging	f Plugging nd Numbe Clay used method	er	Tons of l	Roughage t	City	Typ	State pe of roughage	19
Name of Street as Fons of Plugging	f Plugging nd Numbe Clay used	er	Tons of l	Roughage t	City	Tyj Date Plu Cement Plug	State pe of roughage gged gs were placed a	19
Name of Street as Fons of Plugging	f Plugging nd Numbe Clay used g method o	used	Tons of l	Roughage t	City	Tyj Date Plu Cement Plu Depth of P	Statepe of roughage.ggedgs were placed a	19
Name of Street as Fons of Plugging	f Plugging nd Numbe Clay used g method to g approved	usedi by:	Tons of 1	Roughage t	City	Tyj Date Plu Cement Plu Depth of P	State pe of roughage gged gs were placed a	19 s follows:
Street as Tons of Plugging	f Plugging nd Numbe Clay used g method u g approved	used i by:	Tons of l	Roughage t	City	Tyj Date Plu Cement Plu Depth of P	State pe of roughage gged gs were placed a	19 s follows:
Name of Street as Tons of Plugging	f Plugging nd Numbe Clay used g method u g approved	used i by:	Tons of 1	Roughage t	City	Tyj Date Plu Cement Plu Depth of P	State pe of roughage gged gs were placed a	19 s follows:
Name of Street as Tons of Plugging	f Plugging nd Numbe Clay used g method u g approved	used i by:	Basin Su	Roughage t	City	Tyj Date Plu Cement Plu Depth of P	State pe of roughage gged gs were placed a	19 s follows:
Name of Street as Fons of Plugging	f Plugging nd Numbe Clay used g method u g approved	used i by:	Tons of l	Roughage t	City	Tyj Date Plu Cement Plu Depth of P	State pe of roughage gged gs were placed a	19 s follows:
Name of Street and Fons of Plugging Plugging	f Plugging nd Numbe Clay used g method of approved approved FOR US	usedi by: i by: i or sta	Basin Su TE ENGINEER O	Roughage t	City	Date Plu Cement Plug Depth of P	State  pe of roughage gged gs were placed a lug No. 6	19 s follows:

#### Section 6

#### LOG OF WELL

	in Feet	Thickness	a.i	
From	То	in Feet	Color	Type of Material Encountered
0	1			surface soil
11	18			caliche
_18	45			hard sand
45	61		yellow	clay
61	80			sand
80	85		yellow	olay
85	90		red	clay
		·		
			,	
		1.		
		'		
	<b> </b>		· · · · · · · · · · · · · · · · · · ·	
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The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described well

Well Driller

		a di Afrika di Waling Madagan Afrika Madagan Afrika			Revise	d June 1
		STATE ENGINEE	ER OFFICE		A CAMPAGE OF THE STATE OF THE S	
		WELL REC	CORD			
्यान्यकात्रां के सम्बन्धाः । १६ जिल्लाम् सम्बन्धाः स्थापनाः स्थापनाः	Se	ction 1. GENERAL	INFORMATION	iv - A	History inc	7 - 1 1867 - 8
(A) Owner of well Street or Post Office	A d d amount			Owner	's Well No	
City and State						4 3
Well was drilled under Perm	it No.		and is located	in the:		
	¥4¥4	the second of the second of	the state of the s		2 <b>c</b>	NMP
b. Tract No.	of Map No	of th				
and the second of the second o	1.7					. ;.
c. Lot No Subdivision, record	led in	of th	county.	rista de la composición della	The state of the s	5
	:			ystem		Zone
d. X=						Gra
(B) Drilling Contractor			training grade and the second	License No.		, i
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Drilling Began	Completed				Size of hole	
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		医二氏性囊瘤			of programme is	
Completed well is		表 1967年,1963年1967年 1977年 - 1987年 - 1987年		upon completion	oi well	K .
Depth in Feet		PRINCIPAL WATE			Estimated Y	ield
From To	<del></del>	Description of	Water-Bearing F	ormation	(gallons per m	
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The following of the above the second	ere e de la companya	The state of the s	Code in the material			
						<u> </u>
		Section 3. DECADD	OF CASING			
Diameter Pounds		Section 3, RECORD Depth in Feet	Length	Type of Shoe	Perfora	tions
Diameter Pounds (inches) per foot				Type of Shoe	Perfora From	tions To
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Plugging Contractor Address Plugging Method Date Well Plugged	per in To	Depth in Feet  Depth	Length (feet)  DING AND CEMI Dubic Feet of Cement  NG RECORD	NTING Method  Depth. in F	i of Placement  i of Placement  Ceet Cub  Bottom of (	To
Depth in Feet From To  Plugging Contractor Address Plugging Method	Section 4. Hole Diameter	Depth in Feet  Bottom  RECORD OF MUDE  Sacks of Mud  Section 5. PLUGGII	Length (feet)  DING AND CEMI DUBLE Feet of Cement  No.  1 2 3	Method  Depth. in F	of Placement  Teet Oub Bottom of C	To
Plugging Contractor Address Plugging Method Date Well Plugged	Section 4. Hole Diameter  State Engineer	Depth in Feet  Bottom  RECORD OF MUDE  Sacks of Mud  Section 5. PLUGGIN	Length (feet)  DING AND CEMI Subic Feet of Cement  No.  1 2 3 4	NTING Method  Depth in F	of Placement  Leet Cub Bottom of C	To
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<u> </u>	<u>iii</u>	<u> </u>	Section 6. LOG OF HOLE
Depth	in Feet	Thickness	
From	То	in Feet	Color and Type of Material Encountered
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#### Section 7. REMARKS AND ADDITIONAL INFORMATION

This	sample	description log	taken fro	m the fil	les of	H S	Core
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						17 1 1	197

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

Location: 11.34.15.44000 Elevation: 4169 D.F.

Owner: Cameron Oil Company No. 1 Bogle Farms Depth of Well: 13,249

y certifies that, to the be-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 hole.

Driller

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

#### STATE ENGINEER OFFICE

#### WELL RECORD

LOG FILED

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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.

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State wi	hether v	vell is	shallow	or artesian_	<u> </u>	Dep	th to water	upon comp	letion
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Section	4	!		RECORI	OF MUDDIN	S AND CEN	MENTING	·	
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Section :	5	71			PLUGGING	RECORD		1	
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#### Section 6

# LOG OF WELL

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

Well Drille				
Men Dime	W	211	D	ille

STATE ENGINEER OFFICE

### ELELD 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.

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	lat of 640 ac							194	
Lievation	at top of	casing in fe	et above sea	leveL	<u> </u>	Total dej	oth of well		
State wh	ether well	is shallow	or artesian_	8631	1010	_Depth to wa	ter upon com	pletion	
Section 2				CIPAL WA	TER-BEARI	NG STRATA	- · · · ·		
No.	Depth in	To T	nickness in Feet		Des	cription of Water	-Bearing Form	ation	
1	80	110	30	wht	te san	i, water			<u> </u>
2	112	120	8	yel	low eat	nd, water			
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Section 3	3			RECOR	D OF CAS	ING		<del>- , : : : :</del> :	
Dia	Pounds	Threads	Der		Feet	Type Shoe	P	erforations	<del></del> .
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Depti From	in Feet	Diameter Hole in in		No. Sa Cen			Methods Use	÷d.	
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Section 5	5			PLUG	SING REC	ÓRD		s de la companya de l	
Name of	Plugging	Contractor		<u> </u>		· · · · · · · · · · · · · · · · · · ·	License	No	
4.4	nd Number				City		State	<del></del>	·
***	Clay used		_Tons of R	oughage i	ısed	Ту	pe of rougha	ge	
5.0	method u	sed			- W	Date Ph	ıgged		19
	approved	. 1 (9) g a m m m		No.		Cement Plu	gs were place	d as follows	:
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File No	). /	-/4/-		_Use_ <i>_/</i> _		Locatio	ль Ivo.	— <del></del>	

#### Section 6

#### LOG OF WELL

Depth	Depth in Feet		C-1					
From	To	in Feet	Color	Type of Material Encountered				
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14	30	16	yellow	olay				
30	48	18	ptnk	olay				
48	61	13	blue	0701				
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The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described well

Well Driller

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nearest ( accurate)	ustrict or ly as posi	nce or the	o Stai	te Enginee: well is d	r. All sec	tions, exc	, preferably typept Section 5, sl deepened. Who	pewritten, ar	id submit	ted to the
record, o	nly Secti	on 1A and	Sec	tion 5 need	be comp	leted.	deepened. Whe	en this form	is used as	a plugging
Section 1	-			(A) Owne	≖ of mall	Sh	ark L	Tillin	a.Co.	
				Street and		R	1/1271	(	برس ا	
			- 1	City	nidi	and	/	State	Sej	las
				Well was	irilled ur	der Pern	nit No. 4-5	137	and is loc	ated in the
			<	$> W_{4}$	1/4	- 0	of Section	6 Twp. /	/SRg	. 3 <i>46</i>
			- 1	(B) Drilli Street and	-	acto A	Lares 03	relling I	icense No	WW14
<b> </b>	<del>                                     </del>	<u> </u>	- 4	City (	Sovi	nato	71,	State	new	melici
0			- 1	Drilling w	as comm	enced	mo	anch of	7	1956
<u>_</u>	Plat of 640	acres)		Drilling w	as comple	ted	mare	h 101		1956
			n feet	t above sea	level		Total de	pth of well	85	- ·
	-			r artesian.≤	$\sim \nu$	llow		ter upon con	pletion	45
Section 2	2	•		PRIN	CIPAL WA	TER-REAR	ING STRATA		-	<b>/</b> :
· - 1	Depth i	in Feet	Thi	ckness in			<del></del>			<del></del>
No.	From	То		Feet		De	scription of Wate	r-Bearing Form	ation	
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3						7		al 1		Z
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Section :	3				RECOR	D OF CA	SING	+ 1 °		
Dia	Pounds	Threa	ds	Dep	<del></del>	1	1	F	Perforations	1.15 Table 1
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Section 4	4	·		RECOR	OF MU	DDING A	ND CEMENTING		<u> </u>	
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TOTAL NO.	· / -	ノノフノ			TIGO U	$W_i \mathcal{D}$	Locatio	on No. //	<i>7</i> 4./	o, 530

DPN

23-10690

Section 6			roe (	OF WELL
Depth in Feet		Thickness in Feet	Color	Type of Material Encountered
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12	21	7,	white	Forse Caliche
21	27	6	Brown	Soft Sandstone & Sand
27	35	8	Brownet white	Cripalalised Sandstone
35	65	30	miled	Tolt Dandston & Sandy Clay
15	7.5	10	white	White loose someted Want
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	ļ	<u> </u>	<u></u>	SOURCE OF ALTITUDE GIVEN
	1.5	<u> </u>		Interpolated from Topo. Sheet
		·		Determined by Inst. Leveling
				Other
		;		
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	+ · · · · ·	<u>                                     </u>	1	
	+	<del>                                     </del>	+	
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	-	<del> </del>	+	
	1	1.	_]	

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

Well Driller

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1 - 3137

11.34.16.330

Form WR-23

#### STATE ENGINEER OFFICE

#### WELL RECORD

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

ection 1	· .			(A) Owne	r of well	Na	roum Drill	ing Company	٠.
				Street and		C.	0. Box 509		
			•		Midland.			<del></del>	exa a
	<del></del>	<del> </del>		•	drilled un	der Permi	L-612	State	is located in the
٥			1	Sy 14	5% 4	7 V	of Section	Twp. 113	is located in the
				(B) Drillin	ng Contra	ctor	bott Broti 0. Box 697	Licen:	#51 <b>4.6</b>
		li.	: 1	Street and	Number	3		<del></del>	получению
				City	·		. Ra	State reh 20	27
,		][	1	Drilling w	as comme	enced	, Ka	roh 29	19 <mark>67</mark>
(F	Plat of 640	acres)		Drilling w	as comple	ted		<del></del>	19
Elevation	n at top o	f casin	: g in fe	et above sea	level	1	Total de	oth of well	78'
state wh	ether we	ll is sh	allow o	r artesian_	shallo	Ø		ter upon complet	ion
ection 2			;				NG STRATA	• • •	
- T	<del></del> -	n Feet	Th	ickness in	CIPAL WA		<del></del>	-Bearing Formation	<del></del>
No.	From	То		Feet	5.			-Bearing Formation	
1	43	73	;	80	77	ater Se	MAG.		
2					<u>.                                    </u>				
3			1 .			1.			
4						<u> </u>			
5			<del>                                     </del>			· · ·			
	n ·	·i	:		DECOR	D OF CAS	INC		
ection	<del> </del>			Den		D OF CAS	ING	Perfor	
Dia in.	Pounds ft.	T	reads in	Top	Bottom	Feet	Type Shoe	From	To
-5-	20		:	0	5	3			
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			<u> </u>	1			<u></u>		
St	rface	ntpp	e on	10					
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ection 4				<del></del>	<del>: i</del>		D CEMENTING		<u> </u>
From	h in Feet	1 1	ameter e in in.	Tons Clay	No. Sa Cem	,		Methods Used	
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	-		<u>:</u>	<del>-</del>				<u> </u>	
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<del></del>			:	<del> </del>	+		• •	· · · · · · · · · · · · · · · · · · ·	
		• •	:	<del>'</del>		<u></u>	1. 1. 1.		
ection !	5 ·		:	N. 7.	PLUG	SING REC	ORD		•••
lame of	f Pluggin	g Cont	ractor					License No	
	nd Numb		:					State	
	Clay used			_Tons of R	oughage t	used <sub>::</sub>	Ту	pe of roughage_	
	g method	:		··-	1			ıgged	
lugging	g approve	d by:	į			-	· · · · · · · · · · · · · · · · · · ·	gs were placed as	follows:
	<del></del>			Basin Sup		No	Prom	Plug To No. of	Sacks Used
1.			Agentia Philippia	Dasm Bup		<b>-</b> 7	11000		· · · · · · · · · · · · · · · · · · ·
	FOR US	E OF S	TATE E	ngineer o			<del>                                     </del>		
_		471			97.K		<del>                                     </del>		
Date	Received				<u> </u>	-			
		31	•o. ₩IJ	NAY 26.	296J ,	L.			· .
					V	<u></u>			
Ta:1. 37	o	-612	12		Use	0.101	·Locatie	on No. 11. 34	17.130
ьне ис	0	- 10	<del></del>		use	· · · · · · · · · · · · · · · · · · ·		J41 110	

LOG OF WELL

Donath	in Feet	Thickness		J. WELL	
From	To	in Feet	Color	Type of Material Enco	nuntered
0	2	2		Soti	
1	19	18		Caltone	<del></del>
19	40	21		Sand	· · · · · · · · · · · · · · · · · · ·
40	23	33	<del></del>	Water Sand	
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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.

Wall Dellion

## SHELL STE NO.

#### 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.

Street and Number P.O. Box 32  City Midland, State Texas.  Well was drilled under Permit No. L-6135 and is low under Permit No. L-6135 and is low under Permit No. L-6	cated in the ge 34 E
Well was drilled under Permit No. L=6135 and is long with the second sec	cated in the ge 34 E
(Plat of 640 acres)    W   W   W   W   W   W   W   W   W	ge 34 E
(B) Drilling Contractor Abbott Brothers License No. Street and Number F.O. Box 8.37  City Bobbs State New Drilling was commenced April 29  Drilling was completed April 29  (Plat of 640 acres)  (Plat of 640 acres)  (Plat of casing in feet above sea level Total depth of well 90	WD-46
(B) Drilling Contractor Abbott Brothers License No. Street and Number F.O. Box 8.37  City Robbs State New Drilling was commenced April 29  Drilling was completed April 29  (Plat of 640 acres)  License No. New April 29  Drilling was completed April 29	WD-46
Street and Number F.O. Box 837  City Robbs State New  Drilling was commenced April 29  Drilling was completed April 29  (Plat of 640 acres)  (Plat of 640 acres)  (Plat of casing in feet above sea level Total depth of well 90	
City Fobbs State New Drilling was commenced April 29  Drilling was completed April 29  (Plat of 640 acres) levation at top of casing in feet above sea level Total depth of well 90	Nextco
Drilling was commenced APT-0.1 Spring was completed APT-0.1 (Plat of 640 acres)  (Plat of 640 acres) (Plat	
(Plat of 640 acres)  Drilling was completed  (Plat of 640 acres)  Revation at top of casing in feet above sea level  Total depth of well	
(Plat of 640 acres)  Drilling was completed	19
llevation at top of casing in feet above sea levelTotal depth of well	29 <sub>19</sub> 87
levation at top of casing in feet above sea level	
tate whether well is shallow or artesian shallow Depth to water upon completion	
	45
ection 2 PRINCIPAL WATER-BEARING STRATA	
No. Depth in Feet Thickness in Description of Water-Bearing Formation	
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All	<del> </del>
	<u> </u>
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5	
ection 3 RECORD OF CASING	
Dia Pounds Threads Depth Today Perforations	
in. ft. in Top Bottom Feet Type Shoe From	To
7 20 0 8 8	
	<del></del>
ection 4 RECORD OF MUDDING AND CEMENTING	· .
	<del></del>
Depth in Feet Diameter Tons No. Sacks of Methods Used  From To Hole in in. Clay Cement Methods Used	
	<del></del>
	<u> </u>
<u> </u>	14 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
ection 5 PLUGGING RECORD	
ame of Plugging Contractor License No.	
treet and Number City. State.	
ons of Clay usedTons of Roughage usedType of roughage	10 11 1
lugging method used Date Plugged	19
lugging approved by: Cement Plugs were placed as follo	ws:
	<del> i</del>
Basin Supervisor No.   Depth of Plug   No. of Sack	s Used
	+++
FOR USE OF STATE ENGINEER ONLY	i sa serie. Na series de la companya de la comp
101410 ENGMEEN OFFICE	
Date Received	4: T.
81 '8 MA 11 YAM 7881	
	<del></del>
File No. 2-6/33 Use OUD Location No. 1134.19.	110
THE INTERPOLATION OF THE PROPERTY OF THE PROPE	T

LOG OF WELL

Depth i	n Feet	Thickness			
From	To	in Feet	Color		Type of Material Encountered
0	25	25		calte	
25	A 45 5 5 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	12. 27. 1	-1.64		
35	- 85 - 45	10 10	brown	eend eend	entre de la companya
45	-45 -90	45	brown	Nisi - 47	Control of the second of the s
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4	n ner ger m			1 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
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	1	1		<u> </u>	

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

Well Driller

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#### STATE ENGINEER OFFICE

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

Section 1			(A) Oum	of wall	*	Bogel Farm	18	,	
1212									·
		ĺ				Dexter,		. Ne	w Mexico
	•					it No. E-678			
						of Section		. *	
		.				H. Brady			
						Rt. 2		incense .	
·			- City	1 Trumber	:	Roswell.	Stat	New	Mexico
		.	1 1						
			Drilling w	es comple	ted		April 2.		1971
	lat of 640 ac				: * *	y the second		ir	
						Total de			
State wh	ether well	is shallo	w or artesian.	shallov	<del>7</del>	Depth to wa	ter upon con	mpletion	251
Section 2	<i>:</i> }		PRIN	CIPAL WA	TER-BEAR	ING STRATA			
No.	Depth in		Thickness in	100	De	scription of Wate	r-Bearing For	mation	trans the
	From	То	Feet		* :		· · · · · · · · · · · · · · · · · · ·	ļ. <u>.</u>	
1	43	58	15	Coarse	sand	& pea grav	rel	<u> </u>	<u> </u>
2				<u> </u>	· · · ·	<del> </del>	<u> </u>	ļ. <del></del>	·
3				<u> </u>	. 3.,			!	
4			To the second					ļ.:	
5									
Section 3	3	1	+ 3 - 3	RECOR	D OF CA	SING		-	
Dia	Pounds	Thread	s De	pth	T1 - +4			Perforation	ons
in.	ft.	in	Top	Bottom	Feet	Type Shoe	From	- I -	To
6-5/8	20		0	25	25				
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Section 4	1	: 11	RECOR	D ÕE MUD	DING A	ND CEMENTING	5 	ļ	
Depth	in Feet	Diamet		No. Sa			Methods U	ted	
From	То	Hole in	in. Clay	Cem	ent				·
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· ·	<u> </u>	<u> </u>	·		- 1			1	
Section 5	5	: #	٠,	PLUGG	ING REC	ORD		N 141	
	Plugging	Contract	0r				Licens	e No.	
	nd Number	55 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			_ City		State_		<u> </u>
	Clay used	1773	Tons of F	loughage u	* .	Т	pe of rough	age	
	method us				+ + * + * + * + * + * + * + * + * + * +	Date Pl		<u> </u>	19
	approved	1:		4.1.			gs were plac	ed as fo	llows:
	•	- 1				Depth of I	Plug	<u> </u>	
y=	· · · · · · · · · · · · · · · · · · ·	- 17V - 17°	Basin Su	pervisor	N	o. I ————	To	No. / Sa	cks Used
7	FOR USE	OF STAT	E ENGINEER C	NLY .		1 1	*	<b>*</b>	
	101.000			i s			7 1 1 (1.20 Atr)		
Date .	Received _		· .		_				
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į	1/	70	1/		11			311	21 11/2211
File No	, L-C	0/0	• 7	_UseS	STK	Locati	on No. '//	<b>47</b> -	21.14224

#### LOG OF WELL

	in Feet	Thickness	Color	Type of Material Encountered
From	То	in Feet	Condi	Type of material Encountered
	Z.		brown	top soil and caliche
2	1.7	1.5	white	caliche
17	18	<u> </u>	brown	1
18	26		white	l Allendaria
4 *	f		1 .	caliche
?6	. 36	10	brown .	clay.
36.	38	2	brown	sanderone
38	43	- 5	brown	#45452 6104
43	58	15	mixed	sand & yes gravel
58	61	3		
J	- UX	,	yellow-gray-	red clay
	3 H . No			Sala, Sala
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The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described well.

Well Driller





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.

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		veli Hal B	ogle			
			4.5			······································
NWNE	Street and	Number Bo	л. 116 , К. Ме			
	Post Office	Devier	, IV . MIC	<b>^</b>		
	Well was d	rilled under P	ermit No.	. ц. 396		and
	is located in	the	W <sub>4</sub> S	E 14	SE,	Section 23
SWSE	Township	116			LE .	
		ntractor				
				±. <b>y</b>	1	
(Plat of 640 acres)		Number		• • • • • • • • • • • • • • • • • • • •		******************
Locate Well Accurately	Post Office	Glen	icoe,共。	Mex•	27	1.1950
Drilling was commenced	April 1,	19 Drillin	g was comp	leted		
Elevation at top of casing in feet			and the second second			
State whether well is shallow or	r artesian	Shal	LTOM	وتعتدا أمير		
Total depth of well	feet,					
Sec. 2		WATER-BEAR	ING STRAT	ra .	Vella	w sand&gravel
No. 1, from	105 Thicks	iess in feet .	_ ວວ	Formation		M Bernaster Act
No. 2, from to	Thicks	ess in feet		Formation		
No. 3, from to	Thickr	ess in feet		Formation		
No. 4, from	Thick:	ess in feet		Formation		,
No. 5, from to	Thick:	ness in feet		Formation		
Sec. 3	RE	CORD OF CA	SING			
					<u> 14. 1.</u>	
DIAMETER POUNDS THREA		FEET OF	TYPE OF	PERFO	TO	PURPOSE
3.0		55		1	55	
16		131	7.7	110:	131	
12		177				4000
					7.1.45	
						النسبب
Sec. 4	PECORD	AP 44790 DIVIA	AND CEM	ENTING	·  .	12 1
化氯化甲酰二氯甲二氯甲基基 海海 化铁油泵	RECURD	OF MUDDING		7.76	·	
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DIAMETER OF NUMBER		METHODS US	SED			TONS OF CLAY USED
DIAMETER OF NUMBER	OF SACKS		SED	SPECIFIC		
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DIAMETER OF NUMBER HOLE IN INCHES OF CE	OF SACKS EMENT  PLUGG	METHODS US	OF OLD W	SPECIFIC OF M	U N	CLAY USED  O 1950  FICE FILSUPSEVISOR NEW MERICO
DIAMETER OF NUMBER HOLE IN INCHES OF CO	OF SACKS EMENT  PLUGG  14  f plugging contract	METHODS US	OF OLD W	SPECIFIC OF M	UD III N	CLAY USED  O 1950  FICE FICE FILE SUPERVISOR NEW MEXICO
DIAMETER OF NUMBER OF CO.  Sec. 5  Well is located in the Range Name of Street and Number	OF SACKS EMENT  PLUGG  14  15 plugging contract	METHODS US  ING RECORD  1/4 of  Or  Post	OF OLD W Section	SPECIFIC OF M	UO III N	CLAV USED  EM
Sec. 5  Well is located in the Range Name of Street and Number Tons of clay used	OF SACKS EMENT  PLUGG  M. M.  I plugging contract  Tons of rough	METHODS US  ING RECORD  14 of  or  Post	OF OLD W Section	SPECIFIC OF M	OT TOURNER	CLAY USED  O 1950  FICE SUPERVISOR NEW MEXICO
DIAMETER OF NUMBER OF CO.  Sec. 5  Well is located in the Range Name of Street and Number  Tons of clay used	PLUGG.	METHODS US  ING RECORD  14 of  or  Post	OF OLD W Section	SPECIFIC OF M	OT TOURNER	CLAY USED  O 1950  FICE SUPERVISOR NEW MEXICO
DIAMETER OF NUMBER OF COMMON OF COMM	PLUGG PLUGG Tons of rough	METHODS US  ING RECORD  1/4 of  OF  Post  nage used.  Was	OF OLD W Section Office	ELL AI	III N	CLAY USED  1930 1930 1930 1940 1940 1940 1940 1940 1940 1940 194
Sec. 5 Well is located in the Range Name of Street and Number Tons of clay used  Cement plugs were placed as follows.	PLUGG  PLUGG  Tons of rough	METHODS US  ING RECORD  1/4 of  Or  Post  nage used.  Was	OF OLD W Section Office	ELL AI Type of proved by A	TOUR PER PER PER PER PER PER PER PER PER PE	CLAY USED  1930 1930 1930 1940 1940 1940 1940 1940 1940 1940 194
Sec. 5  Well is located in the Range Name of Street and Number Tons of clay used  Cement plugs were placed as for No. 1 was placed at No. 2 was placed at	PLUGG  PLUGG  Ya  f plugging contract  Tons of rough	METHODS US  ING RECORD  Va of  Post  nage used  Was  feet Numi	OF OLD W Section Office plugging application of sacks ber of sacks	ELL AI Type of oroved by A of cement of cement	Foughage roughage wrestan W	CLAY USED  O 1950 FIGURE MISOR NEW MEXICO
Sec. 5 Well is located in the Range Name of Street and Number Tons of clay used  Cement plugs were placed as for No. 1 was placed at No. 2 was placed at No. 3 was placed at	PLUGG  PLUGG  A 1/4  f plugging contract  Tons of rough	METHODS US  ING RECORD  4 of  Post  age used  Was  feet Num  feet Num	OF OLD W Section Office plugging application of sacks ber of sacks	Type of cement of cement of cement	roughage vrtesian W	CLAY USED  O 1850 FIG. SPICE FIL SUPERVISOR NEW MESICO  Tell Supervisor
Sec. 5  Well is located in the Range Name of Street and Number Tons of clay used  Cement plugs were placed as for No. 1 was placed at No. 2 was placed at	PLUGG  PLUGG  A 1/4  f plugging contract  Tons of rough	METHODS US  ING RECORD  4 of  Post  age used  Was  feet Num  feet Num	OF OLD W Section Office plugging application of sacks ber of sacks	Type of cement of cement of cement	roughage vitesian W	CLAY USED  O 1850 FIG. SPICE FIL SUPERVISOR NEW MESICO  Tell Supervisor
Sec. 5 Well is located in the Range Name of Street and Number Tons of clay used  Cement plugs were placed as for No. 1 was placed at No. 2 was placed at No. 3 was placed at	PLUGG  A f plugging contract  Tons of rough	METHODS US  ING RECORD  V4 of  OF  Post  age used  Was  feet Num  feet Num  feet Num	OF OLD W Section Office plugging app ber of sacks ber of sacks ber of sacks	ELL AI of cement of cement of cement	TOUGHAGE  roughage  roughage  roughage  used  used  used  used	CLAY USED  O 1850 FIG. SPICE FIL SUPERVISOR NEW MESICO  Tell Supervisor
Sec. 5 Well is located in the Range Name of Street and Number Tons of clay used  Cement plugs were placed as for No. 1 was placed at No. 2 was placed at No. 3 was placed at No. 4 was placed at No. 4 was placed at	PLUGG  A f plugging contract  Tons of rough	METHODS US  ING RECORD  V4 of  OF  Post  age used  Was  feet Num  feet Num  feet Num	OF OLD W Section Office plugging app ber of sacks ber of sacks ber of sacks ber of sacks	ELL AI of cement of cement of cement	TOUGHAGE  roughage  roughage  roughage  used  used  used  used	S 1850 S 1850 FI C E ELL SUPERVISOR NEW MEXICO
Sec. 5 Well is located in the Range Name of Street and Number Tons of clay used  Cement plugs were placed as for No. 1 was placed at No. 2 was placed at No. 3 was placed at No. 4 was placed at No. 4 was placed at	PLUGG  A f plugging contract  Tons of rough	METHODS US  ING RECORD  Va of  Or  Post  age used  Was  feet Num  feet Num  feet Num  feet Num	OF OLD W Section Office plugging application of sacks ber of sacks ber of sacks ber of sacks	ELL AI of cement of cement of cement	TOUGHAGE  roughage  roughage  roughage  used  used  used  used	S 1850 S 1850 FI C E ELL SUPERVISOR NEW MEXICO

Well #9 on LC 4-88-9

11.34.23.441

L-396

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1E. 8	Z LC	G OF WELL	
FROM (depth in feet)	TO (depth in feet)	THICKNESS IN FEET	CLASSIFICATION OF FORMATION
5 <b>5</b>	<b>1</b> 05	50	yell w sand &gravel
105	125	20	Red clay
125	150	25	Blue clay
150	235	85	Red clay
235	250	15	Yellow clay(sandy)
250	260	10	red clay
260	355	95	Yellow Clay(sandy)
355	370	15	Red clay
370	420	50	Blue Clay (Sandy)
420	460	40	red clay
1			
i	.•	L S Elev	
		Depth to Elev of	KTrc
		Loc. No	r. 14 Obselv
		Hydro. Survey	Field Check
		SOURCE OF	ALTITUDE GIVEN
		Interpolated from	
		Determined by	nst. Leveling
		Other	
			.50
	· · · · · · · · · · · · · · · · · · ·		
	- <u>-</u>		L A X
			11,000
		<b>†</b>	<del>                                     </del>
4 4 4			

							- ;
Sold to	Elame	1	do solemn	ly gwear that	to the best of	my knowledge	and
belief, the foregoing inf	ormation is a tru	e and correct reco					
be determined from all	available records	. /		All	100	1 10	
SUBSCRIBED AND S	1		. Signed	Cellen	the Tax	nelf	••••
day of Just	L	, A/D., 1950	Position	Sill	Zz		
	Dm.		a.i.				
2	) M	ry Public		nd Number			
My Commission Exp	ires	-52	Post Of	lice Alle	Thee ?	lew Mx	<b>2.</b> 3.
1-39	16	-53			11	.34.2	3.441
2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1					- · ·	

## WELL RECORD

File No. 4-395

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			11.		_	
		Owner of well	Hal	Bag	le_	
NW-	NF	Street and Num			•	
		Post Office	Dafle	2 9	m	L.
		Well was drille	i under Permit	No. LD	-26	and
			14			Section 24
SW	S F		11 500		24 1 4	
			ctor 1600			THE PROPERTY OF THE PARTY OF TH
6					54 54 F	€
(Plat of 64		Street and Num			د د د د د د د د د د د د د د د د د د د	7 .
Locate Well	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Post Office	dere	eca, n	ew.	met.
Drilling was commen		- Total - 1	8. Drilling was	completed	an 1	1948
Elevation at top of ca			1			
State whether well is		sian	a Coloned	<del></del>	. Periodo Partir de la composición de la composición de la composición de la composición de la composición de La composición de la composición del composición del composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composició	
Total depth of well .		feet.		1. 7.1	1	•
Sec. 2		PRINCIPAL WAT			المحر	1 11
No. 1, from 2						che
No. 2, from 4						nd_
No. 3, from		, Thickness				
No. 4, from	., <b>to</b> fr, AN	. Thickness				
No. 5, from	to	, Thickness	F 75 1 15 15 15 15 15 15 15 15 15 15 15 15	, Formation	ı	
Sec. 3		RECOR	D OF CASING			
DIAMETER POUND IN INCHES PER FO			EET OF TYPE		RATED	PURPOSE
1 2 2	. 011	- 1	- 0	PE FROM	TO	
16 5	o welder	Jaken	10 100	no 20	10	
						`
					150	
<u> </u>					<u>                                     </u>	
Sec. 4		RECORD OF	MUDDING AND	CEMENTING		
DIAMETER OF HOLE IN INCHES	NUMBER OF SA		THODS USED	SPECIFIC OF N		TONS OF CLAY USED
		2.00			· 1 · 2	
<del></del>			. <u>- 1                                  </u>			
				21 2 2 2	A Par	
-			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			1 4 4
L			<u> </u>		* * * * * * * * * * * * * * * * * * * *	1, ,
Sec. 5		PLUGGING	RECORD OF OI	D WELL		
			14 of Sectio	n'	Township	
Well is located in the	he					
Range	. Name of plug	ging contractor	<u>.</u>			, ;
Range Street and Number	. Name of plug	ging contractor	Post Office			
Range Street and Number Tons of clay used	Name of plug	ging contractor	Post Office	Туре о	f roughage	
Range Street and Number Tons of clay used	Name of plug	ging contractor	Post Office	Туре о	f roughage	
Range Street and Number Tons of clay used Cement plugs were p	Name of plug	ging contractor	Post Office usedWas pluggir	Type o	t roughage Artesian Wo	ell Supervisor
Range Street and Number Tons of clay used Cement plugs were p No. 1 was placed at	Name of plug	ging contractor  Cons of roughage	Post Office used Was pluggir	Type of g approved by a sacks of cement	t roughage Artesian Wo	il Supervisor
Range Street and Number Tons of clay used Cement plugs were p No. 1 was placed at No. 2 was placed a	Name of plug,	ging contractor fons of roughage	Post Office used Was pluggir eet Number of eet Number of	Type of approved by a sacks of cement sacks of cement	t roughage Artesian Wo used used	bll Supervisor
Range Street and Number Tons of clay used Cement plugs were p No. 1 was placed at No. 2 was placed a No. 3 was placed at	Name of plug,	ging contractor fons of roughage	Post Office used Was pluggir eet Number of eet Number of	Type of approved by a sacks of cement sacks of cement sacks of cement	t roughage Artesian Wo used used used	il Supervisor
Range Street and Number Tons of clay used Cement plugs were p No. 1 was placed at No. 2 was placed at No. 3 was placed at No. 4 was placed at	Name of plug,	ging contractor  Tons of roughage  f	Post Office used Was pluggir eet Number of eet Number of eet Number of	Type of g approved by a sacks of cement sacks of cement sacks of cement sacks of cement	t roughage Artesian Wo used used used used	ell Supervisor
Range Street and Number Tons of clay used Cement plugs were p No. 1 was placed at No. 2 was placed a No. 3 was placed at	Name of plug,	ging contractor  Fons of roughage	Post Office used Was pluggir eet Number of eet Number of eet Number of eet Number of	Type of g approved by a sacks of cement sacks of cement sacks of cement sacks of cement	t roughage Artesian Wo used used used used	ell Supervisor
Range Street and Number Tons of clay used Cement plugs were p No. 1 was placed at No. 2 was placed at No. 3 was placed at No. 4 was placed at	Name of plug,	ging contractor  Fons of roughage	Post Office used Was pluggir eet Number of eet Number of eet Number of	Type of g approved by a sacks of cement sacks of cement sacks of cement sacks of cement	t roughage Artesian Wo used used used used	ell Supervisor

Well #8 on 10 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.

	12.1		7
	Owner of well	Book	
NW	Street and Number		
	Post Office Def	Co 3,	mel
	Well was drilled under Permit No.		O and
	is located in the W 14 W	Yan NE	of Section 25
- 22 W2	Township 115 auth		or section.
3.11	Drilling Contractor Host	Kange J. Page	~~~
	174 /	C-41	
(Plat of 640 acres)  Locate Well Accurately	Da 15	ein, Z.	B. c 1
1 -	Post Office Post Office A 3 1 19 4 9 Drilling was com		
Drilling was commenced	I	pleted	19.4.8
State whether well is shallow or artes	in Shallaur		
Total depth of well	feet.		
Sec. 2	PRINCIPAL WATER BEARING STRA	\TA	000
No. 1, from 22 to 3	7 , Thickness in feet /3	, Formation Ca	Vehre
No. 2, from 3.7 to 7.	5., Thickness in feet 38	, Formation	and
No. 3, from to		· 1	
No. 4, from to	, Thickness in feet	, Formation	
No. 5, from to	, Thickness in feet	, Formation	
Sec. 3	RECORD OF CASING		
DIAMETER POUNDS THREADS	NAME OF FEET OF TYPE OF ANUFACTURER CASING SHOE	PERFORATED	PURPOSE
IN INCHES PER POOT PER INCH		FROM TO	
16 30 W1600	Salar 7/1910	20//	· · · · · · · · · · · · · · · · · · ·
	:1	-	
G 4	DECORD OF MEDDING AND CE	CENTING	
Sec. 4	RECORD OF MUDDING AND CE		
Sec. 4  DIAMETER OF NUMBER OF SA HOLE IN INCHES OF CEMENT	CKS METHODS USED	MENTING  SPECIFIC GRAVITY  OF MUD	TONS OF CLAY USED
DIAMETER OF NUMBER OF SA	CKS METHODS USED	SPECIFIC GRAVITY	
DIAMETER OF NUMBER OF SA	CKS METHODS USED	SPECIFIC GRAVITY	
DIAMETER OF NUMBER OF SA	CKS METHODS USED	SPECIFIC GRAVITY	
DIAMETER OF NUMBER OF SA	CKS METHODS USED	SPECIFIC GRAVITY	
DIAMETER OF NUMBER OF SA	CKS METHODS USED	SPECIFIC GRAVITY OF MUD	
DIAMETER OF NUMBER OF SA OF CEMENT	METHODS USED  PLUGGING RECORD OF OLD V	SPECIFIC GRAVITY OF MUD	CLAY USED
DIAMETER OF NUMBER OF SA	PLUGGING RECORD OF OLD V	SPECIFIC GRAVITY OF MUD  VELL Townshi	CLAY USED
DIAMETER OF HOLE IN INCHES  OF CEMENT  Sec. 5  Well is located in the	PLUGGING RECORD OF OLD V 1/4	SPECIFIC GRAVITY OF MUD  VELL. , Townshi	CLAY USED
DIAMETER OF HOLE IN INCHES OF CEMENT  Sec. 5  Well is located in the	PLUGGING RECORD OF OLD V 1/4	SPECIFIC GRAVITY OF MUD  VELL. , Townshi	CLAY USED
DIAMETER OF HOLE IN INCHES  Sec. 5  Well is located in the	PLUGGING RECORD OF OLD V 1/4	SPECIFIC GRAVITY OF MUD  VELL Townshi	CLAY USED
DIAMETER OF NUMBER OF SA OF CEMENT  Sec. 5  Well is located in the	PLUGGING RECORD OF OLD V  14: 14 of Section ging contractor Post Office Cons of roughage used  Was plugging an	SPECIFIC GRAVITY OF MUD  VELL  Type of roughagoproved by Artesian V	p
DIAMETER OF HOLE IN INCHES  Sec. 5  Well is located in the	PLUGGING RECORD OF OLD V  1/4	SPECIFIC GRAVITY OF MUD  VELL.  Townshi  Type of roughas oproved by Artesian V	CLAY USED
DIAMETER OF HOLE IN INCHES  Sec. 5  Weil is located in the	PLUGGING RECORD OF OLD V 4. 4 of Section ging contractor Post Office Ons of roughage used Was plugging ag feet Number of sack	SPECIFIC GRAVITY OF MUD  VELL  Type of roughag oproved by Artesian v s of cement used s of cement used	CLAY USED
Sec. 5  Well is located in the	PLUGGING RECORD OF OLD V 4. 4 of Section ging contractor Post Office Ons of roughage used Was plugging ag feet Number of sack feet Number of sack	SPECIFIC GRAVITY OF MUD  VELL Townshi Type of roughag proved by Artesian s of cement used s of cement used s of cement used	CLAY USED
DIAMETER OF HOLE IN INCHES  Sec. 5  Well is located in the	PLUGGING RECORD OF OLD V 4	SPECIFIC GRAVITY OF MUD  VELL. Townshi  Type of roughag proved by Artesian vectors of cement used s of cement used s of cement used s of cement used	p
Sec. 5  Well is located in the	PLUGGING RECORD OF OLD V 1/4: 1/4 of Section ging contractor Post Office Cons of roughage used Was plugging ag feet Number of sack feet Number of sack feet Number of sack feet Number of sack	SPECIFIC GRAVITY OF MUD  VELL. Townshi  Type of roughag proved by Artesian vectors of cement used s of cement used s of cement used s of cement used	p
DIAMETER OF HOLE IN INCHES  Sec. 5  Well is located in the	PLUGGING RECORD OF OLD V 4. 4 of Section ging contractor Post Office Ons of roughage used Was plugging ag feet Number of sack feet Number of sack feet Number of sack feet Number of sack feet Number of sack feet Number of sack feet Number of sack feet Number of sack feet Number of sack	SPECIFIC GRAVITY OF MUD  VELL. Townshi  Type of roughag proved by Artesian vectors of cement used s of cement used s of cement used s of cement used	p

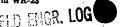
L-400

11.34.25.200

Notary Public

Street and Number

#### STATE ENGINEER OFFICE



WELL RECORD

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

Section 1	<u> </u>	(A) Owner	of well_	Tri	Service D	rillina O	annay .
					ox 1785		
	1 11	City			13	State	Tezas
		Well was di	illed und	ec Perm	it No. I -	5024	and is located in the
		5 8. 14	5 d. 4	160 A	of Section 2	5Twp.11	S. Rge. 34 E.
		(B) Drilling	g Contrac	tor S. B	. Daker Dr	1g. Go. Li	S. Rge. 34 E. cense No. 110 274
		Street and I	lumber	Box 9	98		
		City Sen	inolo			State	Texas
	0	Drilling wa	s commen	ced	12/20	<u> </u>	19 62
(7) + 4 010		Drilling was	complete	ed	12/20	<del> </del>	19 62
(Plat of 640 a	.,						001
Elevation at top o State whether wel							
State whether we	i is snailow of	r artesian	7.44	<u> </u>	Deptn_to wa	ter upon com	pietion
Section 2		PRINC	IPAL WAT	ER-BEARI	NG STRATA		
No. Depth in	To Thi	ckness in Feet		Des	cription of Wate	r-Bearing Form	ation
1 301	75.0	454	white	& tan	water sez	<b>∆</b>	
2			:				
3							-
4							
5	<del></del>			<del></del>			**
					· · · · · · · · · · · · · · · · · · ·		
Section 3			RECORD	OF CAS	ING		<u> </u>
Dia Pounds	Threads	Depti	Bottom	Feet	Type Shoe	From	erforations To
in. ft.	Įn.	Top	Dottom			Tion	10
	<del>                                     </del>	Piece !	n top	<del></del>		B	0 # E
			-	·			
			* * * *				
		1	<del> </del>				
Section 4		RECORD	OF MUDI	DING AN	D CEMENTING		
Depth in Feet	Diameter Hole in in.	Tons Clay	No. Saci			Methods Use	· d
From To	note in in.	Clay	Cente				<del></del>
		1	<u> </u>		<del></del>		
		1 :				<u> </u>	<u></u>
							7 7 7 1
		1		<u></u>	· · · · · · · · · · · · · · · · · · ·	<del></del>	<u> </u>
Section 5			PLUGGI	ING REC	ORD	: !:	
Name of Pluggin	Contractor_		·			License	No
Street and Numb	er		····	City		State	<u> </u>
Tons of Clay used		Tons of Ro	ughage us	sed	т	pe of rougha	ge
Plugging method	used	<del></del>			Date Pl	ugged	19
Plugging approve	i by:				Cement Plu	igs were place	d as follows:
				No	Depth of 1	N	o. of Sacks Used
		Basin Supe	rvisor	<b>-</b>  -	From	То	
ron us	E OF STATE	ngineer on	rλ[				
,	1.31V1SIQ .				<u> </u>		:
Date Received	HNISNA SIVI	8	<del></del>	-			
01.60.173	L LUIS				<u> </u>		
91:8 HA	II NAL ES	61		<u> </u>		* <u>                                    </u>	
	5024		.Use	p-2)	D Locati	on No.	26.430
File No	و د ن د		.Use	<u> </u>	Locati	OH MO. THE	-/

OWD-OX

Depth in	Feet	Thickness						
From	To	in Feet	Color	Type of Material Encountered				
	3.0	3.0	Gray	Grand 3				
1	30*	27*	Ehlte	Soll Caliche				
क्षुकृ≸	75'	451	Ten white	Vater Sand				
Internal	90*	151	Red	Red Bed				
				AND PLANE				
	4							
·				L S Elev				
	<del></del>			Denth to K Tro				
		2		Elev of KTrc				
	<del></del>		<del></del>	FL 11.34.28 4432				
	<u> </u>			11.34.25.7732				
		-						
	<del></del> _	11		Loc. No				
		i i		Hydro. SurveyField Check				
	<u> </u>							
	····	<del>                                     </del>						
	<u> </u>	-						
<del></del>	<del> </del>							
	<u> </u>	ļ <u></u>		SOURCE OF ALTITUDE GIVEN				
		<u> </u>		Interpolated from Topo. Sheet				
				Determined by Inst. Leveling				
			100 M	Other				
	·········							
		1						

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.

EBBatter Well Driller

L-5024

11.34.28,430

#### STATE ENGINEER OFFICE Lowe Amer

State No. 1

FIELD ENGR. LUG

#### 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) Our	er of wall	MARC	un brillin	G COMPA	ur
								2.8.
0	].							ate
								and is located in
								11 5 Rge. 34
-	┼╌╌┼	<del></del>						License No. 71-
						. Box 637		
	<del></del>		City		Heb	ðs .	St	ate New Nextco
1	1 1	1	Drilling	was comm	enced	Fatzexhi	exi ee	bruary 28 19 (
			Drilling v	was comple	ted	Te brus i	'y zkasi	enkonzir 26 <sub>19</sub> 64
	Plat of 640							
Elevatio	n at top	of casing i	n feet above s	ea level	2 027	Total de	pth of wel	
State w	hether we	ell is shall	ow or artesian	0,1114		Depth to wa	ter upon o	completion 46
Section	2		PRII	NCIPAL WA	TER-BEAF	ING STRATA		
No.	-	in Feet	Thickness in		De	escription of Water	r-Bearing F	ormation
110.	From	To	Feet	<u> </u>				
1	€0	70	30	wa!	er san	đ		,
2								
3								
4				<del> </del>				•
5			<del> </del>	<u> </u>	<del></del>			
		1	<u> </u>					
Section	3			RECOR	D OF CA	SING		
Dia	Pounds			pth	Feet	Type Shoe		Perforations
in.	ft.	in		Bottom	<u> </u>	<u> </u>	From	To
	sur?	face nt	ople only	<del> </del>		<del> </del>	ļ —	
	<del></del>		·		<u> </u>	-		
	<u> </u>			ļ		<del> </del>	ļ <u> </u>	
	1		}	1	}	1	1	
Section	4		RECO	RD OF MUD	DING A	ND CEMENTING		
Dept	h in Feet	Diam	eter Tons	No. Sa	cks of		Methods	773
From	To	Hole i	n in. Clay	Cem	ent		Medious	Used
							·	
	_							
	_ <u>i</u>	<u> </u>						
Section	5			PLUGG	ING REC	ORD		
		a Contrac	tor.				Licer	ise No
		-						Be 110
						Ту		· ·
						Date Plu		19
	g approve							aced as follows:
. rappm	5 approve							
		<del> </del>	Basin Su	pervisor	No	Depth of P	ro	No. of Sacks Used
			N. LIAMSUU		7		r ·	
	FOR US		TE ENGINEER C					
Date	Received	JOEFICE.	MEE ENGINEER	10/		<del>                                     </del>		<del></del>
Date	Trecetaen			961	_	- <del>                                     </del>	<del></del>	
		71.0	AN OLCHIA	· ·				<u></u>
					<u> </u>	***		<del></del>
File No	o. L-	5345	5	Use <i>(</i>	WL	2 Locatio	n No. <u>//</u>	134.32.110

#### LOG OF WELL

Depth i	in Feet	Thickness		
From	То	in Feet	Color	Type of Material Encountered
0	. 22	2		Foll
_3	20	13		oal tahe
20	40	20	·	eand
40	70	30		uater sand
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5.7				
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	<b> </b>			
	1	<u> </u>		

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

Well Driller

Form WR	-23			STATE EN	IGINEER C	FFICE			
INSTRU	ENGR.	This form	should be ex	ecuted in	L RECC	preferably two	newritten	and sub	mitted to the
accurate	ustrict off lv as poss	ice of the	State Enginee	r. All sect	tions, exce	nt Section 5 sk	nall he ancr	vered ac	completely and as a plugging
Section 1		:				OIL PRODUC	ING & D	RILLIN	G CORP.
	. :					ox 1919			
		0	City	. Number_	Hopps	88240	Sta	ite	w Mexico
				drilled ur	der Perm	it No. L-6239			located in the
		1:			NE 1/4	of Section. 3	5 Two		Rge. 34 £
			— (B) Drilli	ng Contra	actor_Ab	bott Broth	IATS	License	un_lik
}			Street and	Number.	F.C	. Fox 637			
<u></u>	·		City He	88 sdd	240		Sta		w-Mexico
			Drilling w	as comm	enced	Decen	mber 1		19
L	Plat of 640 a	oron)						comber	1 19
			faat aherre se	o lovol		Total de	nth of wall	72	
						Depth to wa			25
		II 12 2119110				-	ter apon c	ompietion	I
Section :		·		CIPAL WA	ATER-BEAR	NG STRATA			
No.	Depth in	To To	Thickness in Feet		Des	cription of Wate	r-Bearing Fo	rmation	
1	25	32	7	red	sand				
2	50	59	9	wate	r sand				
3						£38) <sup>111</sup> 1	127.1		
4									
5		:							
C- #/	0		* :	· nrcor	D OF CAG	INC		. : 7 .	
Section	<del></del>	<del></del>	de De		OF CAS	I G III G		Perforati	
Día in.	Pounds ft.	Thread	Top	Bottom	Feet	Type Shoe	From		To
7	18	10	) 0	72	72	open	3	0	<del>72</del>
							4 rows	1/8	X 12"
									***
	1			1	1 '	1			· .
Section	4		RECOR	D OF MUI	DDING AN	D CEMENTING			
Dept. From	h in Feet To	Diame Hole in		1 .	ncks of ment		Methods	Used	
					-				
	1								
	i;	1	- 1	1					
Section	5		•	PLUG	SING REC	ORD			•
100	- f Plugging	Contract	or	. *			Licer	se No.	*.
	nd Numbe								
	Clay used		Tons of F	loughage 1	used	Ту	pe of roug	hage	· · ·
.:	g method 1					Date Pl	ugged	<u> </u>	19
	g approved					Cement Plu	gs were pla	aced as fo	ollows:
					T	Depth of I	Mug		<del></del>
	to be party	1 21 11 11	յչինչի Basin Suj	pervisor	No	From	To	No. of Sa	acks Used
	FOR US	E OF STAT	E ENGINEER O						
`	194 LAÑ	MINISI	HILLE SIVILE						
Date	Received :		130 Z961						
	18.18	Md LC:	วิวิก รวกั		I 1	-		-	

File No.\_

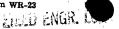
Location No. //. 34.35.220

			Thickness	Feet	Depth in
untered	Type of Material Encou	Color	in Feet	To	From
	surface soil		2	2	0
	caliche		23	25	2
	sand	red	7	32	25
	sand, tight		18	50	32
	sand, water		g	59	50
<u> </u>	sandy clay		8	67	50
	clay	yellow	<u>'</u> 5 '	72	67
	L S Elev				
	Depth to KTrc		1		
		*			
		<u></u>			
	Loc. No				
heck	Hydro. SurveyField Che		., .		
	7				
	SOURCE OF ALTITUDE			<del></del>	
	interpolated from Topo. Sheet				
	Determined by Inst. Leveling				
	Other	<del></del>		•	
* <del>************************************</del>					- <u>-                                  </u>
<del></del>				·········	
,					
			-		
	1		<del>                                     </del>		
<u> </u>	1:		<del>  </del>	<del> </del>	

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

11.34.35,220

#### STATE ENGINEER OFFICE



#### WELL RECORD

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

Section 1			٠.	(4) 0	-# mall	· ·	<del>-</del>	Security				
	i	$\overline{}$	- 1					Guye		<u>i</u>		
										Ctate Na		4 22
<u> </u>	, .	_						No. 1 = 5000				
1	. [	1.						of Section				
$\vdash$	<del>  -</del>							idə fatur				
1		9						West Wash				
<b>  </b>		<del></del>						ington	_			
		l l										
لنسيا												•
	Plat of 640 a	-	:					·			•	
								Total dep				
State wh	ether wel	l is shall	iów oi	r artesian	snail	.ож	:?	Depth to wat	er up	on completi	ion3:5!	
Section 2		· · · · · · · · · · · · · · · · · · ·		<del></del>	JIPAL WA	· : :	:	IG STRATA		<u> </u>	·	
No	Depth in	n Feet To	Thu	ickness in Feet		De	escri	ription of Water	-Bearir	ng Formation		<del></del>
1	. 35.	76		41	Water	sands	g	-				
2			<u> </u>				; . ;					
3	:				:		:			7.		
4				:		* * * .	-			·: .		
5	17 1		+				-					
Section 3	3				RECOP	RD OF CA	ASIN	16				
Dia	Pounds	Threa	-ads	Dept	th	Foot		m Shop		Perfor	ations	
in.	ft.	in		Top	Bottom	Feet		Type Shoe		From	7	То
None					; 2 /		1			- 12 - 12 - 12 - 12 - 12 - 12 - 12 - 12		
					!	<u> </u>	1					
		<u></u>				<u></u>	4				<u> </u>	<del> </del>
				<u> </u>	· '	<u> </u>		<u>.</u>	<u>                                     </u>	<u> </u>	<u>  · · · </u>	
Section 4	4			RECORT	OF MUI	DDING A	ND	CEMENTING			· · ·	
Depth From	h in Feet	Diam Hole i		Tons Clay	No. Sa Cem	acks of ment	<u>.</u>		Met.	thods Used		
	† <u>.                                    </u>	.										
	1						_				<u> </u>	
<u> </u>		$\Box$			<u> </u>		<u> </u>		<u> </u>	•		
	1	<u> </u>	-	<u> </u>	1 :	1			·		w 1 3.5	
Section 5				••		GING REC			: .			
								·			<del></del>	
	nd Numbe					•					44 1 (144) 31 44 3	<del></del>
		*	<del></del>	_Tons of Ro	oughage 1	used		Ту			<u> </u>	701
	g method t		<del>- :</del>	<del></del>			<del></del>	Date Plu		***	\$	19
Plugging	g approved	d by:				٠,	_	Cement Plus	gs wer	re placed as	follows	# 14 g
· 		<u> </u>		Basin Supe	ervisor	.   1	No.	Pepth of P	Plug To	No. of	f Sacks U	/sed
	110	- Williams	197	NGINEER ON		7	$\overline{\cdot}$				- 3/3	1.4
	FOR US	E Okioun	ATE EI	Sill	UPX	. [ ]	-		<del></del>	<del>                                      </del>	***************************************	**************************************
Data .	Received	A	14141 <u>9</u>	NICE EN	1		$\rightarrow$	-		-	F	<del></del>
Date .			<u></u>	`t	<del></del>				· ·	<del> </del>	<del></del>	
	. L	_S :8 Mu	S-	AAM EBBI		<u> </u>		<u>                                     </u>		<del></del>	<del></del>	
Ì						ــــا					3 +3	
File No.	. 4	- 50	001	<u>s</u>	_Use	Ste	ch	Locatio	on No	, /1.3 <i>5</i> ,	9.41	<i>D</i>

LOG OF WELL

Depth	in Feet	Thickness						
From	То	in Feet	Color	Type of Material Encountered				
Ö	. 5	5.	zray	Gravely top soil				
<b>#</b> 5	35	30	cink	Calliche and rock				
35	75	40	pink	Sandstone				
75	76	1	white	ពុធធេខ«sand				
			·					
		· .						
		· · · · · · · · · · · · · · · · · · ·						
	ļ	<del> </del>	·					
	<u> </u>		<del></del> -					
<u>-</u> -			<u> </u>					
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		<del> </del>						
		<del>                                     </del>						
	ļ	<del></del>	<u> </u>					
	1		1 .					

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

Well Driller

## STATE ENGINEER OFFICE WELL RECORD

Street or	Post Office Ad	dress BOX	RANCHES	CAL INFORT	ARTIO	Owner'	s Well No	· · · · · · · · · · · · · · · · · · ·	_
City and	State TAT	un /	1MS82	67					_
Well was drilled	l under Permit	No		and i	located	in the:	1		
a. SE	4 <u>SE</u> 4	SE 1/2 Si	5 % of Section	/3_Tow	nship _	// <u>5</u> Range	. 34E	N.M.P.	M.
b. Tract	No	_ of Map No		of the		<del></del>	<u> </u>	<del></del>	_
c. Lot N	0	of Block No		of the			· · · · ·	· · · · · · · · · · · · · · · · · · ·	_
d. X= the		feet, Y=	fe	eet, N.M. Coo	rdinate	System		Zone	
(B) Drilling C	Contractor 7	nck Spi	EARS D	eilling	Col	CLicense No.	1087	<u>-</u>	
Address Bo	x910	PU	AINS, IT	(79)	221	<u> </u>			
Drilling Began	6-28-9	Compl	eted 6-28-8	Type	tools	Katary	Size of h	role 8 (	in.
Elevation of lar	nd surface or _			at well is	300	2 ft. Total depth o	f well	<u>′~3                                    </u>	ft.
Completed wel	lis 🛭 🗷 sl	allow 🖸 ar	tesian.	Depth	to water	upon completion o	of well	30	ft.
		Secti	on 2. PRINCIPAL W	ATER-BEAL	RING ST	TRATA			
Depth From	in Feet To	Thickness in Feet	Description	on of Water-I	earing F	ormation		ated Yield per minute)	
20	63	43	Same	0 × el	mi	mised	30	<del></del>	
* · · · · · · · · · · · · · · · · · · ·					1			:	
					•			!	
		:		,				1 11	
			Section 3. REC	ORD OF CA	SING -	<del></del>		: .	<b>-</b>
Diameter (inches)	Pounds per foot	Threads per in.	Depth in Feet Top Botte	Le	ngth eet)	Type of Shoe	Fre	Perforations om To	].
510	160 St	72.07.0	rup bott	6	c f	none	4	66	
	7.5.4	70000			<del></del>			7 7	٦
		Sectio	n 4. RECORD OF M	IUDDING A	ND CEM	IENTING			
Depth From	in Feet To	Hole Diameter	Sacks of Mud	Cubic Fe of Ceme	.	Method	of Placem	ent	
. 0	20	8"				Hand me	of fo	mad in	. ] .
								.:	
									4
		1	Section 5. PLU	IGGING REC	ากหา				
Plugging Contr	actor	<u> </u>	5500.5.7.25						
Address Plugging Metho		-	<del></del>		No.	Depth in F	eet Bottom	Cubic Feet of Cement	
Date Well Plugg				<u> </u>	1	Top	Bottom	or coment	-
Plugging appro	ved by:	•			7.2			-	$\Box$
	:	State Engir	neer Representative		3 4				
<del></del>		<del></del>	FOR USE OF STA	TE ENCINE	ER ONI	v			=
Date Received	October	13, 1989	TOR USE OF STA	Quad	-ic OINT	FWL		FSL	
F0. 37	NO FILE	NUMBER	inger de 🔐			Location No. 11			_
File No	MO FILE	MULIDIA	Use	<del></del>		Location No.		T-T-4-	_

Section 6. LOG OF HOLE Depth in Feet Thickness Color and Type of Material Encountered From in Feet То

Section 7. REMARKS AND ADDITIONAL INFORMATION

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 hole.

INSTRUCTIONS: This fe of the State Engineer. A

d be executed in triplicate, preferably typewritten, and submitted tes, except Section 5, shall be answered as completely and accurate drilled, repaired or deepened, en this form is used as a plugging record, only Section 1(a) and Section 5 leed be completed.

ppropriate district office ossible when any well is

#### 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) Own	er of well	Hall	+ Stewar	+ Drilli	oa Ca.
			Street an	d Number	PO	BOX 184'	7	19 50.
!			City	Midlan	d		State	Texas
			Well was Center	drilled ur 40 acre	ider Bern	nit No. L - 4	022 8	and is located in the outh Rge. 37 East
	<del> </del>		(B) Dril	ing Contr	notor E	B. B. Baker	7—Twp.⊥ └─ Li	247h Rge. 7 (145)
'			1 ' '	nng Contra d Number_		0. Box 9		ense no.
<u> </u> '	<del></del>			Semi			State	Texas
'				was comm		, ,		19.5 <i>R</i>
<u></u> '	1		1	was comple		. /	5	1958
Elevation		of casing i				Total dep		
Section 2						RING STRATA		· 
No.	Depth ii	in Feet	Thickness in Feet		De	escription of Water	r-Bearing Forma	tion
1 2	100	117	17	Mc	iter.	Sand	(Tan)	•
3				-	<del></del>	· · · · · ·		
4		<del></del>	<del> </del>	1.				
5		r		<del> </del>		:	<del></del>	
		·	1					
Section 3		1 .	<del></del>		RD OF CAS	SING	·	
Dia in.	Pounds ft.	Threa in		epth Bottom	Feet	Type Shoe	From	erforations To
85/8	32	-	0	18_	8			
				Ţ	<u></u>			
<del></del>	<u> </u>				.]:	<u> </u>	1:	
Section 4	4		RECO'	RD OF MU	DDING A	ND CEMENTING	,	
	th in Feet	Diam			acks of		Methods Used	а
From	To	Hole is	in in. Clay	Cen	ment		<del>,</del>	
				/		around	Top	
	_	<del> </del>			-	· · · · · · · · · · · · · · · · · · ·	*	
	<del></del>	+		-			::	
				PHIC				
Section !					GING REC		••	
		_						No.
	and Number Clay used				-	Ту		
	g method			, lougano			ugged	i i
	g approved					and the second s	igs were placed	
, 			Basin Su	nervisor	- No	Depth of F	Ping	o. of Sacks Used
		- orlegy			7			
l	FOR US	E OF SIA	FTLE	D				
Date	Received				_    -	1.		
	1000		NOV 20 195	<b>18</b> // \(\)		+		
		]	OFFICE					
<b>!</b>	1/	1 1 gm	DUND WATER S IF		10. 5.1 1		// 3:	724200
	/	4- 1 m	927	Use	V. W. I	∠ Locati ∠	on No. //. 27	127.200

			LOG (	OF WELL
Depth	in Feet	Thickness in Feet	Color	Type of Material Encountered
	L			
	3	3	Red	Sail
3_	20	17	White	chliche
20	35	15	Tan	Sandy Clay
_35_	60	25	white	Limestone
60	70	10	Tan	Sandy Clay
70	95	25	Brown	Clau
95	100	5	Tan	Hard Sand
100	117	17	Tan	Water Sand
117	127	10	vellow	Clau
127	130	3	Blue	Clay
				•
				L S Elev
				Elev of KTrc
		· · · · · · · · · · · · · · · · · · ·		
				Loc. No
				Hydro. SurveyField_Check
				SOURCE OF ALTITUDE GIVEN
	<del>                                     </del>			interpolated from Topo. Sheet
				Determined by Inst. Leveling
,		· ·		l · · · · · · · · · · · · · · · · · · ·
	<del>                                     </del>	<del> </del>		Other
	-		<u> </u>	· · · · · · · · · · · · · · · · · · ·
	<del> </del>			
			ļ	
,	<del>                                     </del>	<u> </u>		
•				
		i	1	

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

Well Driller

L-4022

11.37,24.200

FIELD ENGR. LOG

(This form is to be executed in triplicate

## WELL RECORD

Date of Receipt	<i>1-43 </i>		Permi	t No. 2-2415
Name of permi	Itee,	, t	<u> </u>	
Street or P. O		City and	State	E. War War
1. Well location ar	nd description: The	well is locate or artesian)	d in 1/4.	<b>y</b>
NW SEX	of Section (aballow	Township	57E	; Elevation of top o
casing above se	1.7.8	feet; diameter of hole,	inches; total	depth, feet
depth to water	upon completion,	feet; drilling was	commenced	19
and completed	1100 37		lling contractor	"建大"高度
11500, 10	Address,	Hitalianz.	; Driller's Licen	WOYN
O Thinainel Dieta			, Lutiler's Lacen	e No.
	r-bearing Strata:	Thickness	Description of Water-bearing	
No. 1	th in Feet To	1 3	Description of Water-pour	g. Formation
	<u> </u>	116 w.Z.Jer.	1 / 200 1	
<u> 4. 2 % </u>	<u> </u>	1 / A supplied	<u> </u>	
No. 3		<u> </u>	· : "·	
No. 4				
No. 5				:
				3.5
3. Casing Record:		,		• • • • • •
Diameter Poun in inches per i		Casing or Liner Feet of Bottom Casing		Perforation From To
Y OF	0	110 110	y seek it	
				· · · · · · · · · · · · · · · · · · ·
•			!	
			:	•
4. If above constr	uction replaces old well	to be abandoned, give l	ocation:	1/4,
of Section	Township	Range	; name and address	of plugging contracto
or Section	rownship	Ivalige	, game and address	or bragging commons
34	,	<del></del>	i y i	
7 8 , - 3	电流激电池 化二烷二烷			
date of pluggir	1g:	, 19; descr	be how well was plugg	ed:
1.7				
the state of the s	<u> </u>			

FILED

JAN 4 1954

OFFICE GROUND WATER SUPERVISOR ROSWELL, NEW MEXICO

11. 37,25,410

6WD-07

#### 5. Log of Well:

Prom.	in Feet	Thickness in feet	Description of Formation
0	2	2	Soil
2	20	18	lime rock
20	2.8	4	Sand Stone
2.8	35	7	Sand
35	43	8	sand stone
43	65	12	red clay
65	75	10	water blowing sand
75	105	30	yellow clay
105	220	115	lelue shale
220	235	15	water bearing some
235	250	15	blue shale
÷	:		
			L S ElevTrc
	4		Elev of
	-		Loc. No.
			Hydro. SurveyField Check
· ·			
· · · · · ·	<del>  ,                                   </del>	<del> </del>	SOURCE OF ALTITUDE GIVEN
<del> </del>	<u> </u>		Interpolated from Topo, Sheet
			Determined by Inst. Leveling
			Other
		<del> </del>	

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.

L-2415

11.37.25.410

#### STATE ENGINEER OFFICE

#### WELL RECORD

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

Section 1			(A) O	an of mall				
	T					ester Puel C	CHPANY	
			Street and				:·	· · · · · · · · · · · · · · · · · · ·
								- How Mozildo
1	0	. []						and is located in the
			4	8 R 4	_N_N_4	of Section	6Twp1	1 S Rge. 18 B
								icense No.ED-183
		''	Street and	Number_	Box	1021		
	<u>\</u>		City	Lovingto	<b>B</b>	*****	State	New Martes
i		ji	Drilling v	vas comme	enced	Nevember	12	19.57
	lt_		Drilling w	as comple	ted		18	19_57_
	lat of 640 a			:			.!	, , ,
								267 58.
State wh	ether wel	l is shallow	or artesian	Shella	<b>#</b>	_Depth to wa	ter upon com	pletion 250 😘
Section 2	<b>.</b>		PRIN	CIPAL WA	TER-BEAR	NG STRATA		
No.	Depth in	1 1 1	hickness in		Des	cription of Wate	r-Bearing Form	ation
	From	To	Feet				<b>-</b> [	
1	250	253		San	a		,	
2		266	<del></del>		-		i.i.	
3	960	- 2000		303	to Sand	<del></del>	77	<del></del>
4					- 3			
					·			
5	.	- :: 1		<u> </u>	· · · · · · · · · · · · · · · · · · ·			
Section 3	3		:	RECOR	D OF CAS	ING		
Dia	Pounds	Threads	De	pth	Feet	Type Shoe	. P	erforations
in.	ft.	in	Top	Bottom	100.	Type Bloc	From	To
7	15	8	0	267	267	None	210	267
•								
				-			1 1	
		1						,
Section 4	1					D CEMENTING		<del></del>
	in Feet	Diameter Hole in in			icks of	the second	Methods Use	ed ·
From	То	Hole III III	Clay					······································
	-	8 in	<del>                                      </del>		<u> </u>	· · · · · · · · · · · · · · · · · · ·	:	
	ļ. :		<del>- </del>		- 1			
	<u> </u>				1 .	-	**************************************	
	i	<u> </u>	1	<u>.l.</u>		٠.		;
Section 5	5	;	:	PLUG	SING REC	ORD	· · · · · · · · · · · · · · · · · · ·	· .
Name of	Plugging	Contractor	<u> </u>		<u> </u>	<u> </u>	License	No
Street a	nd Numbe	Pr	<del> </del>		_ City	. 41	State_	
Tons of	Clay used		_Tons of F	loughage τ	used	Ту	pe of rougha	ge
	method t		<del></del>	'		Date Pl	ıgged	19
	approved				•	Cement Plu	gs were place	d as follows:
,36e		-	!	•		Depth of I	Mug	
			Basin Su	pervisor	No		To	o. of Sacks Used
			11 17	()	7		1 1	
	FOR US	e of State	engineer C	MLX		1	<del>-        </del>	
	m	DE	C 6 1957	14	$\backslash I \vdash$	1	- 1	· · · · · · · · · · · · · · · · · · ·
Date	Received .	-1		K M	<b>-</b>    -	1		
1	•	GROUND	OFFICE WATER FIRE	WISOP!	L	.1		
l ·			ELL, NEW INC.			·	!	
					5 5	<u>.</u>	11	4 1/ 1.15°
File No	1-37	24	· · · · · · · · · · · · · · · · · · ·	Use_ <u>()</u> _	ـ در در	Locati	on No. // = 3	18.16.148

To	in Feet	Color	Type of Material Encountered
2	2		Sandy Sell
18	36		College
26	8		Smalten
<u>to</u>	21,		Callabe & Sand
- 68	28		Sandstane
78	20		Sandy Clar
87	9		Sandrican
130	23		Sandy Clay
130	20		Yellow Cley
212	112	·	Blue Clay
250	8		Sandstone
253	9		Sep4
260	7	<u> </u>	Sandatone
266	6		White Sand
267	1		Yellow Clay
			L S Elev
	1.		Depth to K
			FL 11.38.16.140c
	i	<u> </u>	
			Loc. No
			Hydro. SurveyField Check
			SOURCE OF ALTITUDE GIVEN
			Interpolated from Topo. Sheet
			Determined by Inst. Leveling
			Other_
	18 26 10 68 78 87 110 130 912 250 250 253	18 16 26 8 10 31 16 68 28 78 10 23 130 20 212 112 250 8 253 3 266 7 266 6 267 1	18 16 26 8

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

CATTON WATER WELL DRILLING COMPANY
Well Driller
Loay Backus

2-3724

11.38 16.140

LEA ENGINEERING CO.
F. C. Box 141 (This form to be executed in triplicate)
Lovington, New Mexico

## WELL RECORD

Da	te of Receir	ot	***********			••••••				Permi	No	None	
	Name xxx	60	DOGK		Lawton	0 <b>1</b> 1 C	orp.						
Sta	reet or P. C	- 1							1.7			w Mex	ico
۱.	Well location	on s	und descri	ption: The	shalle	O.W well	l is locate	din	:		.: <b>¼</b> ,	NW	
	NW	74	of Section	n 22	Tov	vnship	11 s.	, Ra	nge	38 E	; Ele	vation of	top of
	casing above	ve s	ea level,	•	feet; diam	eter of ho	ole, 8	,t	nches;	total d	epth,	155	feet;
	depth to wa	ter	upon com	pletion,	70	feet; drilli	ng was co	mmeno	ed				19
	and comple	ted		April	, 1954	; name o	f drilling	ontrac	tor Al	bet	t Br	other	S
				; Addres	ss,			••••••	Driller	's Lic	ense No	•	
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11.38.22.110

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				· ·	115 A. S. S.	
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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.

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		Number <u>B</u>			State	
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0					1 Twp 11 S.	
					- Licens	se No
		Number	,			
					StateT	
					ay 24	
(Plat of 640 acres)	Drilling w	as completed		<del></del>	Fiay 24	19 <b>57</b>
Elevation at top of casing in fe	et ahove se	a level		Total der	th of well 78	<b>.</b>
State whether well is shallow						
					er upon compieu	ÿII
Section 2	PRIN	CIPAL WATER	BEARI	NG STRATA		
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From To	Feet				<u></u>	
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2 52 55	,	gravel				
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4 60 70	10	water s	anc			
5		<del></del>	-:		<u> </u>	· · · · · · · · · · · · · · · · · · ·
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Section 3		RECORD O	F CAS	ING	* .	
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Section 5		PLUGGING	RECO	ORD		
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Street and Number			ty		State	
Tons of Clay used	_Tons of R	oughage used			pe of roughage	<del></del>
Plugging method used	<u> </u>	<del></del>		Date Plu	gged	19
Plugging approved by:	• • • • • • • • • • • • • • • • • • • •	•	_	Cement Plug	gs were placed as	follows:
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Depth in Feet		Thickness Color		Type of Material Encountered					
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2	45	43		hard rock					
45	52	7		water sand					
52	55	1000 1000 1000 1000		77701					
55	60	5		STATART					
- 60	70	10		water sand					
<del>7</del> 0	78	8		yellow clay					
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	<u> </u>	-							
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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.

SIONE DRILLING CO.

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 perfs 13,424' and below via tubing by setting packer above point drilled to and pump sufficient cement to plug wellbore below packer and fiberglass tubing in hole.
- 4) If no lost circulation; proceed to lightly drill fiberglass tubing and fill to 5900'. Circulate hole clean. Pump 100' cement plug 5900' 5800'. Pull uphole. WOC
- 5) RIH & tag plug ensuring no lower than 5800'. Close BOP. Pressure casing to 500# holding for 30 minutes. If no pressure drop; POOH w/tubing, drill collars, bit. Proceed to step 7. If pressure drop; pull BHA. Run packer. Set immediately above cement plug. Pressure test to 500# via tubing.
- 6) If no pressure drop; ascertain location of casing leak. If casing leak in Glorieta formation set packer ~5500′ and pressure test casing/tubing annulus to 500#. If holds, proceed to step 7. If not, isolate casing leak, repair and drill out same. Proceed to step 7.
- 7) RU wireline. RIH & correlate depth. Perforate 2 spf 5588' 5602', 5614' 36', 5640' 48', 5652' 60. Total of 108 holes. POOH & RD wireline.
- 8) RIH w/4 ½" packer, 2 3/8" tubing. Set packer ~5550'. Acidize perfs w/5000 gallons 20% HCl acid spacing 80 ball sealers throughout job. Establish injection rate and pressure. Pull BHA.
- 9) RIH w/nickel-plated 2 3/8" x 4 ½" 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.

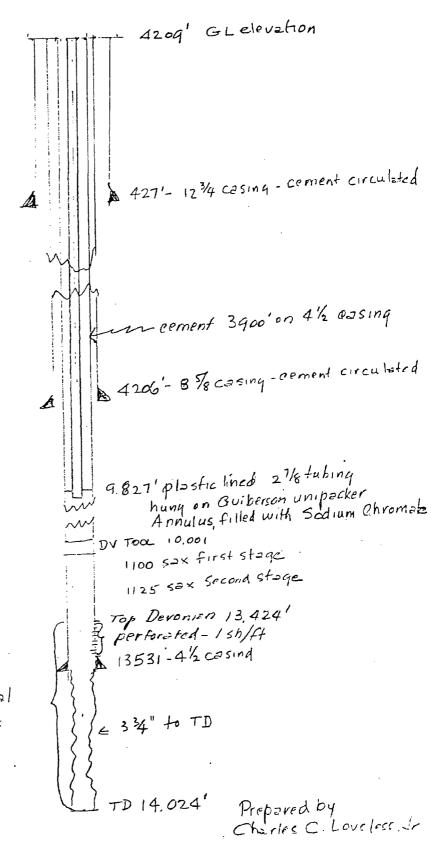
### NEW MEXICO SALT WATER DISPOSAL COMPANY, INC.

212 PETROLEUM BLDG.

P. O. BOX 566

ROSWELL, NEW MEXICO 88201

PHONE 622-1958 AREA CODE 505



Disposal ZONE

NO. OF COPIES RECEI	VED	<u>.</u>				For	rm C-105
DISTRIBUTION	N	]				Re	vised II-1-16
SANTA FE		NEWI	MEXICO OIL CO	NSERVATION	COMMISSION	1	licate Type of Lease
FILE		WELL COMPLE				AND LOGI Sta	re X Fee
U.S.G.S.		1					e Oil & Gus Lease No.
LAND OFFICE	-++					7.22	3 2824 ***********************************
OPERATOR		}					
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		ELL GAS. WELL			rary 0,20,	11	Agreement Name
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2. Name of Operator	- LA L.	PEN CONTRACT		OTHER	Disposal	9. Well	te "28"
New Mexico	Salt Wate	er Disposal C	n. The.	*,		,	
3. Address of Operator		T Dioposar c	0., 1110.	<del> </del>	<u></u>	10. Fie	eld and Pool, or Wildcat
P. 0. Box	566 - Rosw	vell, New Mex	ico 88201	1		Wil	dcat
4. Location of Well					,		
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28.		CAS	ING RECORD (Rep	ort all strings	set in well)		<del></del>
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8 5/8		4206			Circula	ited	
4 1/2		13,421			DV tool	10,001' and 1125 sx	
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29.		LINER RECORD			30.	TUBING I	
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	Total and	T Charles Stop	The de Eas	24 Ch)	Car MCE		t in disposal well
Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period	Oil - Bbl.	Gas - MCF	water - Dr.	Gas - Oil Udilo
Flow Tubing Fress.	Casing Pressy	ure Calculated 24-	>   - O(I - Bbl	Gas – M	CF Via	iter – Bbl.	Cil Gravity - API (Corr.)
riow rubing riess.	Casing Freds.	Hour Rate	1		1		,
34. Disposition of Gus	(Sold, used for f	uel, vented, etc.)	<del></del>			Test Witness	ed By
35. List of Attachments	3				······································		
36. I hereby certify thus	t the information	shown on both side:	s of this form is tru	e and complete	to the best of	my knowledge and b	clief.
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The state of the s	ue 6.	Laure I	TITLE Pr	esident		DATE	3-28-78
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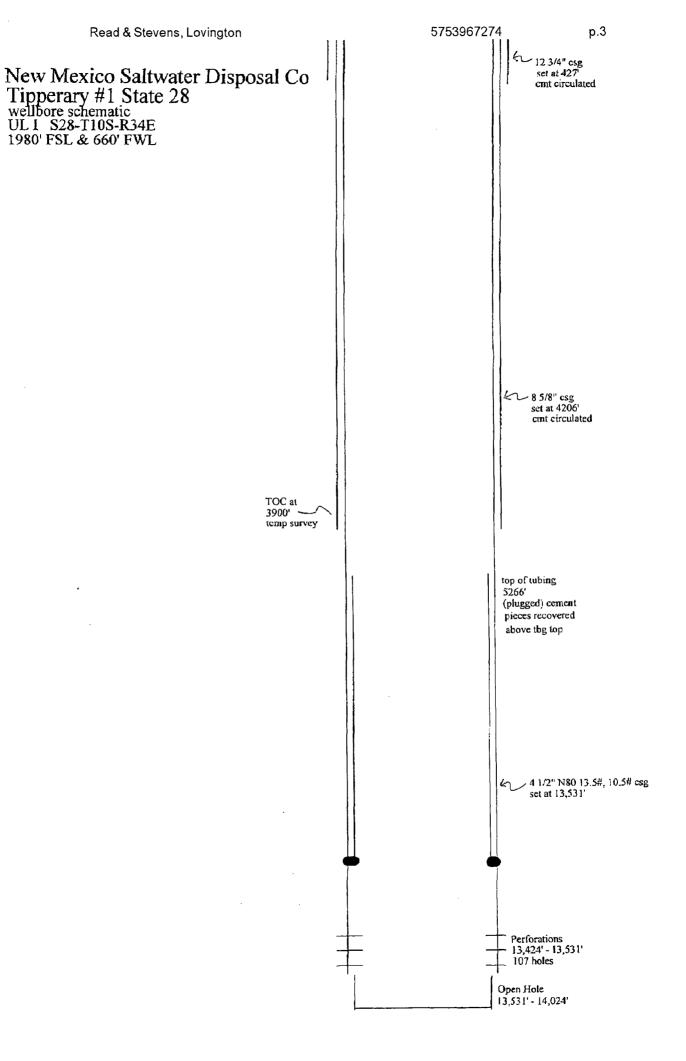
This form is to be filled with the appropriate District Office of the Commission not later than 20 days after the completion of any newly-diffied or deepened well. It shall be accompanied—the copy of all electrical and radio-activity lons—on the well and a summer of all special tents conducted, fineling drill stem tests. All decreases a reported shall be measured depths. In the case rectionally drilled wells, the vertical depths shall also be reported. For multiple completions, Items 30 through 34 shall be reported for each zone. The form is to be filled in quintuplicate except on state land, where six copies are required. See Bule 1105:

#### INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Northwestern New Mexico

Southeastern New Mexico

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-			T. Montoya		*				
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No. 1, fro. No. 2, fro. No. 3, fro. No. 4, fro.  From  Surf 2200' 2250' 2800'	m Assumm To 2200° 2250° 2200°	Thickness in Feet	to 75 to to to to to to to to to to to to to	och odditiond  From  an 11.11 11,515 12,530 13,420	sheets if	feet.  feet.  feet.  feet.  freessor  Thickness in Feet	Chrain, Abobs.	Formation  Visit Note  Shole  Also, Short	le lime & Chert
No. 1, fro. No. 2, fro. No. 3, fro. No. 4, fro.  From  Surf 2200' 2250' 2800'	To 22001 22501 22501	Thickness in Feet	to 75  to 75  to	och odditiond  From  an 11.11 11,515 12,530 13,420	sheets if	feet.  feet.  feet.  feet.  freessor  Thickness in Feet	Chrain, Abobs.	Formation  Visit Note  Shole  Also, Short	le lime & Chert
No. 1, fro. No. 2, fro. No. 3, fro. No. 4, fro.  From  Surf 2200' 2250' 2360'	To 22001 22501 22501 22501 22501 22501 22541	Thickness in Feet 2000 500 500 600 1304	to 75  to	och additional an 11.11 11,514 12,580 13,420	sheets if	feet.  feet.  feet.  feet.  freessor  Thickness in Feet	Chrain, Abobs.	Formation  Visit Note  Shole  Also, Short	le lime & Chert
No. 1, fro. No. 2, fro. No. 3, fro. No. 4, fro.  From  Surf 2200' 2250' 2560'	2200° 2250° 2250° 2250° 2250° 2250° 25580° 2	Thickness in Feet 2000 500 9501 600 1304	to 75.  to to to to to to to to to to to to to t	och odditiono  From  an 11.11 11,514 12,580 13,420	sheets if	feet.  feet.  feet.  feet.  freessor  Thickness in Feet	Chrain, Abobs.	Formation  Visit Note  Shole  Also, Short	le lime & Chert
No. 1, fro. No. 2, fro. No. 3, fro. No. 4, fro.  From  Surf 2200' 2250' 2360' 4254' 5580'	2200° 2250°	Thickness in Feet  2000  500  500  1304	to 75  to	ach additional ll. ll ll. ll. ll. ll. ll. ll. ll. ll	sheets if	feet.  feet.  feet.  feet.  freessor  Thickness in Feet	Chrain, Abobs.	Formation  Visit Note  Shole  Also, Short	le lime & Chert
No. 1, fro. No. 2, fro. No. 3, fro. No. 4, fro.  From  Surf 2200' 2350' 2360' 4254' 5580' 7040'	2200° 2250° 2250° 2250° 2250° 2250° 2250° 2250° 2250° 2250° 2250° 2250° 2550°	Thickness in Feet  2000 500 500 600 1304	to 75.  to 75.  to 75.  to 75.  to  FORMATION RECORD (And Formation)  Red Heden - Red Shede & Shustler Analysiste Scalado Salt, Tome Analysiste Yates-Seven Rivers-Queen-Grayburg- Analysiste, sand some dolo & shale SanAndres, dolo, lime, analysiste SanAndres, dolomite, sand, ar Tubb, sand, dolomite, analysiste analysiste SanAndres, dolomite, ana	ach additional ll. ll. ll. ll. ll. ll. ll. ll. ll. l	sheets if	feet.  feet.  feet.  feet.  freessor  Thickness in Feet	Chrain, Abobs.	Formation  Visit Note  Shole  Also, Short	le lime & Chert
No. 1, fro. No. 2, fro. No. 3, fro. No. 4, fro.  From  Surf 2200' 2250' 2360' 4254' 5580'	2200° 2250° 2250° 2250° 2250° 2250° 2250° 2250° 2250° 2250° 2250° 2250° 2550°	Thickness in Feet  2000 500 500 600 1304	to 75.  to to to to to to to to to to to to to t	ach additional line line line line line line line lin	sheets if	feet.  feet.  feet.  feet.  feet.  feet.  feet.  feet.  Alegerates	Chrain, Abobs.	Formation  Visit Note  Shole  Also, Short	le lime & Chert
No. 1, fro. No. 2, fro. No. 3, fro. No. 4, fro.  From  Surf 2200' 2500' 2560' 4254' 5580' 7040' 7827'	2200° 2200° 2200° 2200° 2200° 2200° 2300° 260° 25580° 25580° 7040° 7627 9193	Thickness in Feet 2000 501 601 1304 1326 14601 0871 1366	to 75.  to 75.  to 75.  to 75.  to  FORMATION RECORD (And Formation )  Red Rodo - Red Shele & Shustler Annyarite   Salado Salt, Tome Annyari Tansill Anhydrite   Yates-Seven Rivers-Queen-Grayburg Anhydrite, sand some dolo & shale   SanAndres, dolo, lime, anhydrite   SanAndres, dolomite, sand, an Tubb, sand, dolomite, anhydr Abo, red & green shale, de anny anny sand, and sand, and sand, dolomite, annydr Abo, red & green shale, de anny sand, anny sand, dolomite, annydr Abo, red & green shale, de anny sand, sand, dolomite, annydr Abo, red & green shale, de anny sand, sand, dolomite, annydr Abo, red & green shale, de annydr Abo, red & green shale, de annydr sand, dolomite, annydr Abo, red & green shale, de annydr sand, dolomite, annydr sand, dolomit	ach additional ll. ll. ll. ll. ll. ll. ll. ll. ll. l	sheets if	feet.  feet.  feet.  feet.  freessor  Thickness in Feet	Physical Atoms. Atoms. Miss., Devoning	Formation  y with a Viril sawi short allow short	le lime & Chert
No. 1, fro. No. 2, fro. No. 3, fro. No. 4, fro.  From  Surf 2200' 2250' 2560' 4254' 5580' 7040' 7827'	2200° 2200° 2200° 2200° 2200° 2200° 230° 23	Thickness in Feet 2000 501 601 1394 1326 14601 3871 1366 7171	to 75.  to 75.  to 75.  to 75.  to to 75.  to to 10.  FORMATION RECORD (And Formation 10.  Red Horis - Red Shele & Chustler Annyarite 10.  Saledo Salt, Tome Annyarite 10.  Saledo Salt, Tome Annyarite 10.  Saledo Salt, Tome Annyarite 10.  Saledo Salt, Tome Annyarite 10.  Saledo Salt, Tome Annyarite 10.  Saledo Salt, Tome Annyarite 10.  Saledo Salt, Tome Annyarite 10.  Saledo Salt, Tome Annyarite 10.  Saledo Salt, Tome Annyarite 10.  Saledo Salt, Tome Annyarite 10.  Saledo Salt, Tome Annyarite 10.  Saledo Salt, Tome Annyarite 10.  Saledo Salt, Tome Annyarite 10.  Saledo Salt, Tome Annyarite 10.  Saledo Salt, Tome Annyarite 10.  Saledo Salt, Tome 10.  Saledo Sa	ach additional line line line line line line line lin	sheets if	feet.  feet.  feet.  feet.  feet.  feet.  feet.  feet.  Alegerates	Physical Atoms. Atoms. Miss., Devoning	Formation  y with a Viril sawi short allow short	le lime & Chert
No. 1, fro. No. 2, fro. No. 3, fro. No. 4, fro.  From  Surf 2200' 2250' 2560' 4254' 5580' 7040' 7827' 9193' 9910'	2200° 2200° 2200° 2200° 2200° 2200° 2200° 2300° 2300° 200° 2	Thickness in Feet 2000 501 600 1304 1326 14601 0871 1366 7171 5441	to 75.  to 75.  to 75.  to 75.  to to  FORMATION RECORD (And Formation )  Red Hodo - Red Shele & Chustler Annyarite Salado Selt, Tome Annyari Tansill Anhydrite Yates-Seven Rivers-Gusen-Grayburg Anhydrite, sand some dolo & shale CanAndres, dolo, lime, anhydroteta, dolomite, annydr Abo, red & green shale, do anny Wolfcamp, lime & shale Cisco, lime & shale	ach additional line line line line line line line lin	sheets if	feet.  feet.  feet.  feet.  feet.  feet.  feet.  feet.  Alegerates	Chrain, Abobs.	Formation  y with a Viril sawi short allow short	le lime & Chert
No. 1, fro. No. 2, fro. No. 3, fro. No. 4, fro.  From  Surf 2200' 2250' 2560' 4254' 5580' 7040' 7827' 9193' 9910'	2200° 2200° 2200° 2200° 2200° 2200° 230° 23	Thickness in Feet 2000 501 600 1304 1326 14601 0871 1366 7171 5441	to 75.  to 75.  to 75.  to 75.  to to 75.  to to 10.  FORMATION RECORD (And Formation 10.  Red Horis - Red Shele & Chustler Annyarite 10.  Saledo Salt, Tome Annyarite 10.  Saledo Salt, Tome Annyarite 10.  Saledo Salt, Tome Annyarite 10.  Saledo Salt, Tome Annyarite 10.  Saledo Salt, Tome Annyarite 10.  Saledo Salt, Tome Annyarite 10.  Saledo Salt, Tome Annyarite 10.  Saledo Salt, Tome Annyarite 10.  Saledo Salt, Tome Annyarite 10.  Saledo Salt, Tome Annyarite 10.  Saledo Salt, Tome Annyarite 10.  Saledo Salt, Tome Annyarite 10.  Saledo Salt, Tome Annyarite 10.  Saledo Salt, Tome Annyarite 10.  Saledo Salt, Tome Annyarite 10.  Saledo Salt, Tome 10.  Saledo Sa	ach additional line line line line line line line lin	sheets if	feet.  feet.  feet.  feet.  feet.  feet.  feet.  feet.  Alegerates	Physical Atoms. Atoms. Miss., Devoning	Formation  y with a Viril sawi short allow short	le lime & Chert



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

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

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

# Advertising Receipt

**Hobbs Daily News-Sun** 

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

ROSWELL, NM 88202

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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 WAS DISPOSAL COMPANY, INS

January 8, 2013

## VIA CERTIFIIED MAIL RETURN RECEIPT REQ

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:

Certified Fee

Return Receipt Fee (Endorsement Required)

Restricted Delivery Fee (Endorsement Required)

7075

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

## NEW MEXICO SALT W. DISPOSAL COMPANY, I.E.

January 8, 2013

## VIA CERTIFHED MAIL RETURN RECEIPT RE

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:

Certified Fee

Return Receipt Fee (Endorsement Required)

Restricted Delivery Fee (Endorsement Required)

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

