

2/23/09 DATE IN	SUSPENSE	W. Jones ENGINEER	2/23/09 LOGGED IN	SWD TYPE	PKAA0905451595 APP NO.
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RECEIVED
NEW MEXICO OIL CONSERVATION DIVISION
- Engineering Bureau -
2009 FEB 23 12:01 PM
153 Francis Drive, Santa Fe, NM 87505



30-D15-22233
Lakewood AGE State 1
MARBOB ENERGY
14049

ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Application Acronyms:

[NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]
[DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
[PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
[WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
[SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
[EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

[1] TYPE OF APPLICATION - Check Those Which Apply for [A]

[A] Location - Spacing Unit - Simultaneous Dedication
☐ NSL ☐ NSP ☐ SD

Check One Only for [B] or [C]

[B] Commingling - Storage - Measurement
☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
☐ WFX ☐ PMX ☒ SWD ☐ IPI ☐ EOR ☐ PPR

[D] Other: Specify _____

[2] NOTIFICATION REQUIRED TO: - Check Those Which Apply, or ☐ Does Not Apply

[A] ☐ Working, Royalty or Overriding Royalty Interest Owners

[B] ☒ Offset Operators, Leaseholders or Surface Owner

[C] ☒ Application is One Which Requires Published Legal Notice

[D] ☐ Notification and/or Concurrent Approval by BLM or SLO
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office

[E] ☒ For all of the above, Proof of Notification or Publication is Attached, and/or,

[F] ☐ Waivers are Attached

[3] SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.

[4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

BRIAN COLLINS
Print or Type Name

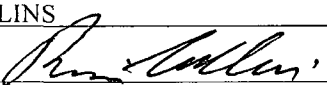
Signature

PETROLEUM ENGINEER
Title

8 Jan 09
Date

bcollins@marbob.com
e-mail Address

APPLICATION FOR AUTHORIZATION TO INJECT

- I. PURPOSE: Secondary Recovery Pressure Maintenance X Disposal Storage
Application qualifies for administrative approval? X Yes No
- II. OPERATOR: MARBOB ENERGY CORPORATION
ADDRESS: P O BOX 227, ARTESIA, NM 88211-0227
CONTACT PARTY: BRIAN COLLINS PHONE: 575-748-3303
- III. WELL DATA: Complete the data required on the reverse side of this form for each well proposed for injection.
Additional sheets may be attached if necessary.
- IV. Is this an expansion of an existing project? Yes X No
If yes, give the Division order number authorizing the project: _____
- V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.
- VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.
- VII. Attach data on the proposed operation, including:
1. Proposed average and maximum daily rate and volume of fluids to be injected;
 2. Whether the system is open or closed;
 3. Proposed average and maximum injection pressure;
 4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and,
 5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
- *VIII. Attach appropriate geologic data on the injection zone including appropriate lithologic detail, geologic name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval.
- IX. Describe the proposed stimulation program, if any.
- *X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted).
- *XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
- XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.
- XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.
- XIV. Certification: I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.
- NAME: BRIAN COLLINS TITLE: PETROLEUM ENGINEER
SIGNATURE:  DATE: 01/07/09
E-MAIL ADDRESS: bcollins@marbob.com
- * If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be resubmitted. Please show the date and circumstances of the earlier submittal: _____

Application for Authorization to Inject
Lakewood AQE State 1 SWD
Unit F, Section 30-T19S-R26E

Marbob Energy proposes to reenter this well, clean out to 8210', squeeze cement and pressure test San Andres perforations 2536-60' and Yeso perforations 2888-3060', then convert well to SWD service in the Upper Penn 7936-8210'. Yates Petroleum filed for SWD in September 2002 (SWD-846) then plugged the well in June 2004 without converting it to SWD service.

- V. Map is attached.
- VI. No wells within the 1/2 mile radius area of review penetrate the proposed injection zone.
- VII.
 - 1. Proposed average daily rate = 2000 BWPD
Proposed maximum daily rate = 10,000 BWPD
 - 2. Proposed maximum injection pressure = 1587 psi (0.2 psi/ft)
 - 3. System is closed
 - 4. Source of injection fluid will be Yeso produced water. Water analysis from analogous field is attached
 - 5. Disposal zone water analysis from analogous well is attached. There will be no compatibility problems.
- VIII. The injection zone is the Upper Penn from 7936' to 8210' and is composed of dolomite. Underground sources of drinking water will be shallower than 1400 feet deep.
- IX. The proposed injection zone might be acidized with 20,000 gallons 20% HCL acid.
- X. Logs are filed with the Division. A section of the neutron-density log is attached.
- XI. There are three fresh water wells within 1 mile of the proposed SWD well. A water analysis is attached for the Williamson shallow well located NE/4 of NE/4 of NW/4, Section 31, T19S-R26E to the south of the proposed SWD well.
- XII. After examining available geologic and engineering data, there is no evidence of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.
- XIII. Proof of Notice is attached.

III.

WELL DATA

INJECTION WELL DATA SHEET

OPERATOR: Marbob Energy CorpWELL NAME & NUMBER: Lakewood AQE State 1 SWDWELL LOCATION: 1980' FWL 1980' FWLF

UNIT LETTER

3D

SECTION

19s

TOWNSHIP

26e

RANGE

WELLBORE SCHEMATICWELL CONSTRUCTION DATASurface CasingHole Size: 17 1/2" Casing Size: 13 3/8" @ 500'Cemented with: 600 sx. or - ft³Top of Cement: Surface Method Determined: CirculatedIntermediate CasingBefore & After
Wellbore Schematics
AttachedHole Size: 12 1/4" Casing Size: 9 5/8" @ 1400'Cemented with: 750 sx. or - ft³Top of Cement: Surface Method Determined: CirculatedProduction CasingHole Size: 8 3/4" Casing Size: 7" @ 8567'Cemented with: 1650 sx. or - ft³Top of Cement: Surface Method Determined: CirculatedTotal Depth: 9726'Injection Interval7936' feet to 8210'Perforated or Open Hole; indicate which)

Additional Data

- Is this a new well drilled for injection? Yes ☒ No ☐
If no, for what purpose was the well originally drilled? Oil & Gas
- Name of the Injection Formation: Upper Penn (Cisco Canyon)
- Name of Field or Pool (if applicable): _____
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. U. Penn 7936-62', C188+35' cement @ 7988', Y450 2888-3060', C188+35' cement @ 2850', San Andres 2536-60', C188+25 sacks cement @ 2488', 25 sacks 1305-1467', 25 sacks 385-546', 30 sacks 0-160'
- Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: _____
Underlying: Potential in Strawn 8360', Atoka 9016', Morrow 9411' in general area.
Overlying: Potential in S. Andres 1130', Y450 2730' in general area.
None of the above zones are productive in this well.

Lakewood AQE St. 1
 1980' FNL, 1980' FWL
 F- 30-195-26e
 Eddy NM
 30-015- 22233

Zero: 14' AGL
 KB: 3436'
 GLI 3422'

P&A 6/04

Size	Wt	Grade	Conn	Depth
13 3/8"	48	H40	STC	500'
9 5/8"	36	K55	STC	1400'
7"	26	J55	LTC	2281'
7"	23	J55	LTC	4142'
7"	26	J55	LTC	7317'
7"	26	N80	LTC	8567'

17 1/2"

12 1/4"

8 3/4"

S. Andrus 2536-60' (25)

Yeso (60) 2888'
 3060'

U. Penn 7936-62' (14)

FC 8523'

13 3/8" @ 500'
 400sx Lite + 200sx "C"
 (circ)

9 5/8" @ 1400'
 550sx Lite + 200sx "C" (circ)

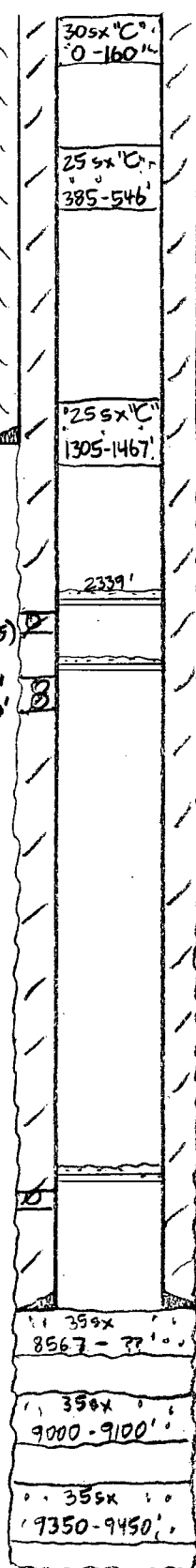
CIBP + 25' cont 12488'

CIBP + 35' cont 2850'

CIBP + 35' cont 7886'

7" @ 8567' 1200 sx BJ Lite + 450sx Super C (circ)

Before S&W Conversion



9726'

Lakewood AQE St. 1 SWD

(Lakewood AQE St. 1)

1980' FNL, 1980' FWL

F- 30'-19s-26e

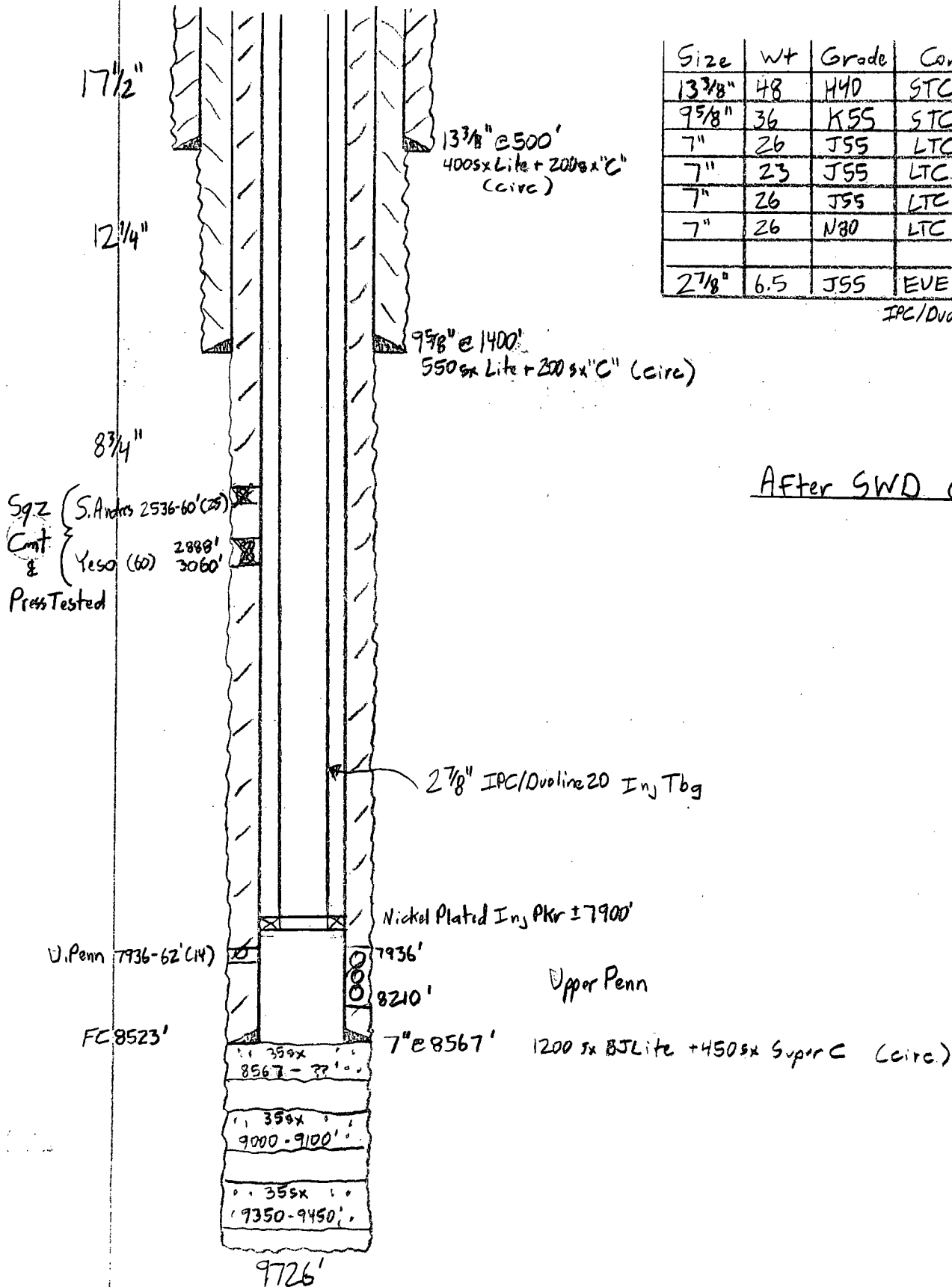
Eddy NM

30-015- 22233

Zero: 14' AGL

KB: 3436'

GL: 3422'



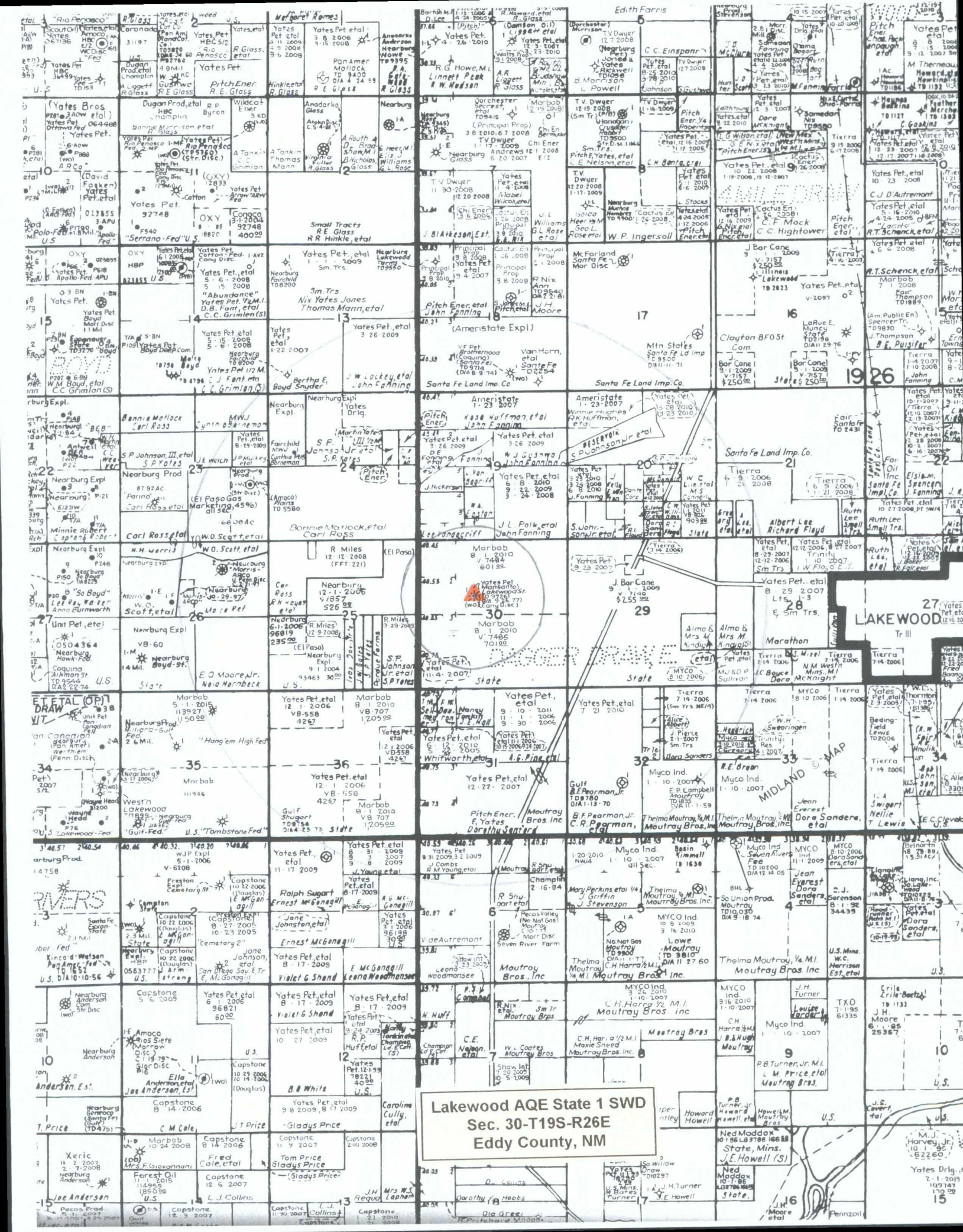
Size	WT	Grade	Conn	Depth
13 3/8"	48	H40	STC	500'
9 5/8"	36	K55	STC	1400'
7"	26	J55	LTC	2281'
7"	23	J55	LTC	4142'
7"	26	J55	LTC	7317'
7"	26	N80	LTC	8567'
2 7/8"	6.5	J55	EVE	± 7900'

IPC/Duoline 20

After SWD Conversion

V.

MAP



VII.

**Water Analyses
Source Water
Receiving
Formations**

HALLIBURTON DIVISION LABORATORY

HALLIBURTON SERVICES

ARTESIA DISTRICT

LABORATORY REPORT

EXHIBIT A

(Section VII, C-108)

No. W167 & W168-93TO Marbob Energy CorporationDate May 20, 1993P. O. Box 304Artesia, NM 88210

This report is the property of Halliburton Services and neither it nor any part thereof, nor a copy thereof, is to be published or disclosed without first securing the express written approval of laboratory management. It may however, be used in the course of regular business operations by any person or concern and employees thereof receiving such report from Halliburton Services.

Submitted by _____ Date Rec. _____

Well No. _____ Depth _____ Formation _____

Field _____ County _____ Source _____

Burch KeelyMary Dodd AResistivity 0.066 @ 70° _____ 0.060 @ 70°Specific Gravity .. 1.0979 @ 70° _____ 1.1250 @ 70°pH 7.0 _____ 7.0Calcium 4,379 _____ 3,332Magnesium 2,081 _____ 2,890Chlorides 84,000 _____ 111,000Sulfates 1,000 _____ 400Bicarbonates 976 _____ 1,403Soluble Iron 0 _____ 0

Remarks:

Produced Water AnalysesSource WaterEric Jacobson
Respectfully submittedAnalyst: Eric Jacobson - Operations Engineer

HALLIBURTON SERVICES

NOTICE:

This report is for information only and the content is limited to the sample described. Halliburton makes no warranties, express or implied, as to the accuracy of the contents or results. Any user of this report agrees Halliburton shall not be liable for any loss or damage, regardless of cause, including any act or omission of Halliburton, resulting from the use hereof.

P. O. BOX 1468
MONAHANS, TEXAS 79756
PH. 943-3234 OR 563-1040

Martin Water Laboratories, Inc.

709 W. INDIANA
MIDLAND, TEXAS 79701
PHONE 683-4521

RESULT OF WATER ANALYSES

TO: Mr. Keith Norvell
P. O. Box 10340, Midland, TX 79702

LABORATORY NO. 79419
SAMPLE RECEIVED 7-6-94
RESULTS REPORTED 7-8-94

COMPANY Pogo Producing Company LEASE Sabre Federal #1

FIELD OR POOL

SECTION BLOCK SURVEY COUNTY Eddy STATE NM

SOURCE OF SAMPLE AND DATE TAKEN:

NO. 1 Produced water - taken from Sabre Federal #1. B-11-17s-29e

NO. 2

NO. 3

NO. 4 Analysis of Injection Zone Water (From nearby well)

REMARKS:

CHEMICAL AND PHYSICAL PROPERTIES

	NO. 1	NO. 2	NO. 3	NO. 4
Specific Gravity at 60° F.	1.0119			
pH When Sampled				
pH When Received	6.96			
Bicarbonate as HCO ₃	1,525			
Supersaturation as CaCO ₃				
Undersaturation as CaCO ₃				
Total Hardness as CaCO ₃	3,050			
Calcium as Ca	880			
Magnesium as Mg	207			
Sodium and/or Potassium	3,453			
Sulfate as SO ₄	2,400			
Chloride as Cl	4,829			
Iron as Fe	58.0			
Barium as Ba				
Turbidity, Electric				
Color as Pt				
Total Solids, Calculated	13,294			
Temperature °F.				
Carbon Dioxide, Calculated				
Dissolved Oxygen,				
Hydrogen Sulfide	954			
Resistivity, ohms/m at 77° F.	0.558			
Suspended Oil				
Filtrable Solids as mg/l				
Volume Filtered, ml				

Results Reported As Milligrams Per Liter

Additional Determinations And Remarks We are not familiar with the specific location of this well or the zone involved herein; but in comparing with our general records in this county, we find this water correlates with what would be expected from a natural Canyon.

X.

**Neutron-Density
Log Across
Proposed
Disposal Zone**

30-195-26E

Schlumberger

COMPENSATED NEUTRON
FORMATION DENSITY

COMPANY MONSANTO COMPANY

CORRECTED COPY

WELL LAKEWOOD STATE COMM #1

FIELD WILDCAT

COUNTY EDDY STATE NEW MEXICO

1980' FNL & 1980' FWL

Other Services

OIL

PML

SLOT NO 30

19-5

26-E

Permanent Datum: G.L. Elev. 3422
Log Measured From K.B. 14 ft Above Perm. Datum
Drilling Measured From K.B. Elev. 3436
D.F. 3427
G.L. 3427

Date	9-20-77								
Run No	ONE								
Depth - Driller	9728								
Depth - Logger	9723								
Bin Log Interval	9722								
Top Log Interval	SURF								
Casing - Driller	9 5/8" 1412								
Casing - Logger	1416								
Bit Size	8 3/4								
Type Fluid in Hole	FRESH MUD								
Dens	9.1	40							
pH	9.5	5	ml						
Source of Sample	TANK								
Rm a Meas Temp	4.9	a	87 F						
Rm a Meas Temp	4.5	a	80 F						
Rm a Meas Temp	a		F						
Source: Rm a Rm	M								
Rm a BHT	2.66	a	160 F						
Circulation Stopped	1500	9-20							
Logger on Bottom	0030	9-21							
Max. Air Temp	140								
Temp. Location	76.6	HOBBBS							
Recorded By	BORUSS								
Witnessed By	HWINTER								

PROPERTY OF

Permian Association, Inc.

Reproduced By

ROSWELL, N.M. 83201

Electrical Log Service

The Property of

Midland, Texas 79701

THE PERMIAN ASSOCIATION, INC

REFERENCE W 5415Z



31 COMPLETION RECORD

MADE FROM BEST COPY AVAILABLE

SPUD DATE

CAMP DATE

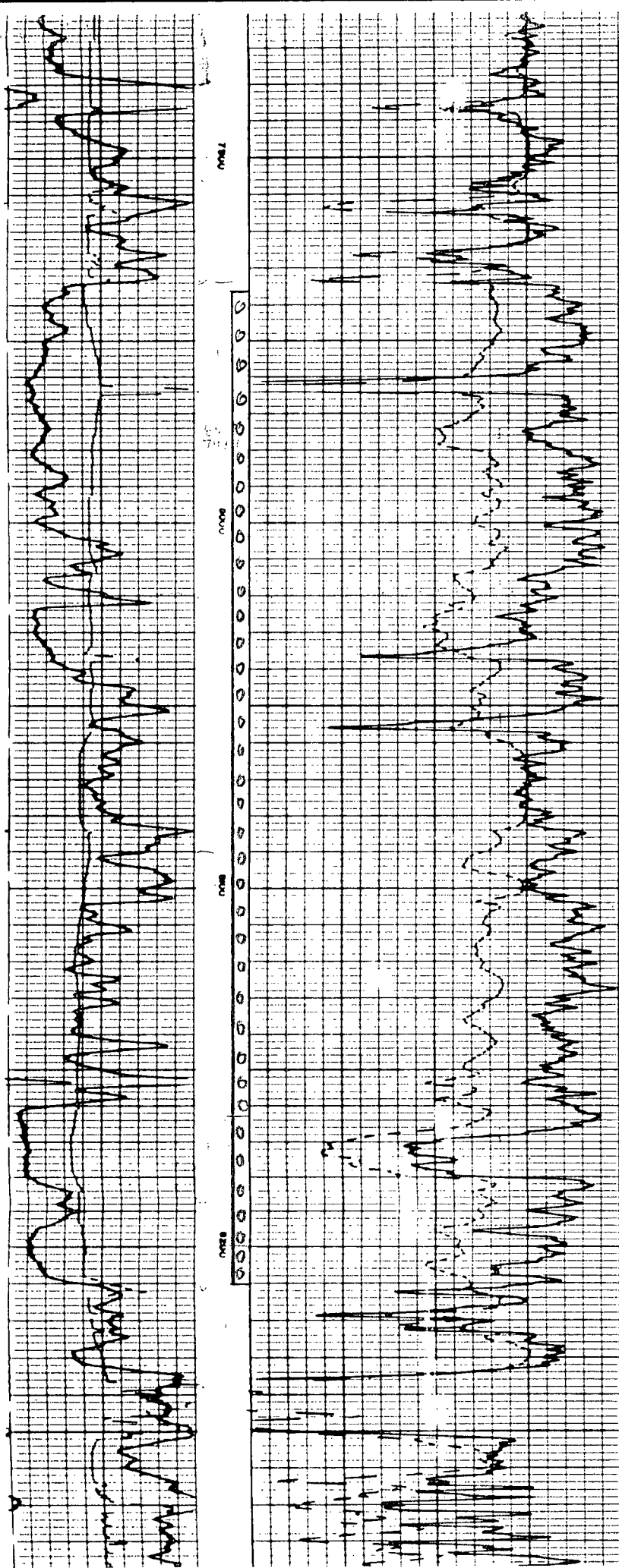
DST RECORD

API NO 30-015-22233

CASING RECORD

PERFORATING RECORD

CID FRAC SHOT



Upper Penn
SWD Zone
7936-8210'

XI.

**Fresh Water Well
Analysis**

Cherry M



MILLER CHEMICALS, INC.

Post Office Box 298
Artesia, N.M. 88211-0298
(505) 746-1919 Artesia Office
(505) 393-2893 Hobbs Office
(505) 746-1918 Fax

Due South
Lake Wood

WATER ANALYSIS REPORT

Company : YATES PETROLEUM
Address : ARTESIA, NM
Lease : WILLIAMSON
Well : WATER WELL
Sample Pt. : WELL

Date : 7/10/02
Date Sampled : 7/9/02
Analysis No. : 00423

ANALYSIS	mg/L	* meq/L
1. pH	6.9	
2. H2S	0	
3. Specific Gravity	1.000	
4. Total Dissolved Solids	6463.6	
5. Suspended Solids	NR	
6. Dissolved Oxygen	NR	
7. Dissolved CO2	NR	
8. Oil In Water	NR	
9. Phenolphthalein Alkalinity (CaCO3)		
10. Methyl Orange Alkalinity (CaCO3)		
11. Bicarbonate HCO3	207.0	HCO3 3.4
12. Chloride Cl	2343.0	Cl 66.1
13. Sulfate SO4	1875.0	SO4 39.0
14. Calcium Ca	1040.0	Ca 51.9
15. Magnesium Mg	340.7	Mg 28.0
16. Sodium (calculated) Na	657.6	Na 28.6
17. Iron Fe	0.3	
18. Barium Ba	NR	
19. Strontium Sr	NR	
20. Total Hardness (CaCO3)	4000.0	

PROBABLE MINERAL COMPOSITION

*milli equivalents per Liter	Compound	Equiv wt X meq/L	= mg/L
+-----+			
52 *Ca <----- *HCO3 3	Ca(HCO3)2	81.0	3.4 275
----- /-----> -----	CaSO4	68.1	39.0 2657
28 *Mg -----> *SO4 39	CaCl2	55.5	9.5 525
----- <-----/ -----	Mg(HCO3)2	73.2	
29 *Na -----> *Cl 66	MgSO4	60.2	
+-----+	MgCl2	47.6	28.0 1334
Saturation Values Dist. Water 20 C	NaHCO3	84.0	
CaCO3 13 mg/L	Na2SO4	71.0	
CaSO4 * 2H2O 2090 mg/L	NaCl	58.4	28.6 1672
BaSO4 2.4 mg/L			

REMARKS:

ATTACHMENT "E"

New Mexico Office of the State Engineer
POD Reports and Downloads

Township: 19S Range: 26E Sections: 19,20,29,30,31,32

NAD27 X: Y: Zone: Search Radius:

County: ED Basin: Number: Suffix:

Owner Name: (First) (Last) ☐ Non-Domestic ☐ Domestic ☒ All

POD / Surface Data Report

Avg Depth to Water Report

Water Column Report

Clear Form

iWATERS Menu

Help

POD / SURFACE DATA REPORT 01/06/2009

DB File Nbr	Use	(acre ft per annum)	Owner	POD Number	Source	Tws	Rng	Sec	q	q	q	Zone	X	Y
RA 01504 B	COM	27.32	JOE AND JANET COX	RA 01589 D	Shallow	19S	26E	20	2	2	2	X		
RA 01589 D	COM	5.61	JOE AND JANET COX	RA 01589 D	Shallow	19S	26E	20	2	2	2	X		
RA 01982	STK	16.141	RICHARD L. FLOYD	RA 01982	Shallow	19S	26E	20	2	2	2	X		
RA 05550	STK	3	CHARLES R. PEARMAN	RA 05550	Shallow	19S	26E	32	3	1	3	X		
RA 05916	STK	3	JOE MCNEW	RA 05550 NEW		19S	26E	32	3	2	3	X		
RA 07026	DOM	3	JOE AND JANET COX	RA 05916	Shallow	19S	26E	20	2	2	2	X		
RA 07128	MUL	0	JOE COX	RA 07026	Shallow	19S	26E	30	3	3		X		
RA 07817	DOM	3	ROBERT K. AND JANET A. LOFFI	RA 07128	Shallow	19S	26E	20	2	2	1	X		
RA 08074	STK	3	JOE L. & JANET S. COX	RA 07817	Shallow	19S	26E	19	2	1	2	X		
RA 08611	DOM	3	FAYE M. HUBER	RA 07817 CLW	Shallow	19S	26E	19	2	1	2	X		
RA 08612	DOM	3	COX JOE L	RA 08074	Shallow	19S	26E	20	2	2	2	X		
RA 08962	MUL	3	BUREAU OF RECLAMATION	RA 08611	Shallow	19S	26E	19	1	1	1	X		
RA 09050	DOM	3	TOM LAIRSON	RA 08612	Shallow	19S	26E	19	1	2	1	X		
RA 09077	DOM	3	TAMMY C SPOLTON	RA 08962	Shallow	19S	26E	32	1	2	2	X		
RA 09451	DOM	0	DONNY LAIRSON	RA 09050	Shallow	19S	26E	20	2	1	1	X		
RA 09988	DOM	3	JACK L. HUBER	RA 09077		19S	26E	19	2	1	2	X		
RA 10002	DOM	3	GREG WILLIAMSON	RA 09451		19S	26E	20	4	3	1	X		
RA 10262	DOM	3	RHONDA WILSON	RA 09988	Shallow	19S	26E	19	1	4	2	X		
				RA 10002	Shallow	19S	26E	31	1	2	2	X		
				RA 10262	Shallow	19S	26E	19	2	2	2	X		

Record Count: 20

✓ = Within 1 mile radius

111 = NW/4 NW/4 NW/4

121 = NW/4 NE/4 NW/4

122 = NE/4 NE/4 NW/4

142 = NE/4 SE/4 NW/4

211 = NW/4 NW/4 NE/4

212 = NE/4 NW/4 NE/4

221 = NW/4 NE/4 NE/4

222 = NE/4 NE/4 NE/4

22 = NE/4 NE/4

33 = SW/4 SW/4

313 = SW/4 NW/4 SW/4

323 = SW/4 NE/4 SW/4

431 = NW/4 SW/4 SE/4

New Mexico Office of the State Engineer
POD Reports and Downloads

Township: 19S Range: 25E Sections: 24,25,36

NAD27 X: Y: Zone: Search Radius:

County: ED Basin: Number: Suffix:

Owner Name: (First) (Last) ☐ Non-Domestic ☐ Domestic ☒ All

POD / SURFACE DATA REPORT 01/06/2009

		(acre ft per annum)				(quarters are 1=NW 2=NE 3=SW 4=SE)				(quarters are biggest to smallest X Y are in Feet)				
DB File Nbr	Use	Diversion	Owner	POD Number	Source	Tws	Rng	Sec	q	q	q	Zone	X	Y
✓ RA 10155	DOM	3	SUSAN HERPIN	RA 10155	Shallow	19S	25E	25	4	3	4			
✓ RA 10496	DOM	3	RAUL RODRIGUEZ	RA 10496	Shallow	19S	25E	25	4	3	3			

Record Count: 2

✓ = within 1 mile radius

434 = SE/4 SW/4 SE/4

433 = SW/4 SW/4 SE/4

Affidavit of Publication

NO.

20530

STATE OF NEW MEXICO

County of Eddy:

GARY D. SCOTT

being duly

sworn, says: That he is the

PUBLISHER

of The

Artesia Daily Press, a daily newspaper of general

circulation, published in English at Artesia, said county

and county and state, and that the here to attached

Legal Notice

was published in a regular and entire issue of the said

Artesia Daily Press, a daily newspaper duly qualified

for that purpose within the meaning of Chapter 167 of

the 1937 Session Laws of the state of New Mexico for

1 Consecutive week/days on the same

day as follows:

First Publication

January 13, 2009

Second Publication

Third Publication

Fourth Publication

Fifth Publication

Subscribed and sworn to before me this

13 Day

January

2009



OFFICIAL SEAL

Jo Morgan

NOTARY PUBLIC-STATE OF NEW MEXICO

My commission expires: 6/6/2012

Jo Morgan

Notary Public, Eddy County, New Mexico

Copy of Publication:

Marbob Energy Corporation, Post Office Box 227, Artesia, New Mexico, 88211-0227, has filed Form C-108 (Application for Authorization to Inject) with the New Mexico Oil Conservation Division seeing administrative approval for a salt water disposal well. The proposed well, the Lakewood AQE State No. 1 is located 1980' FNL and 1980' FWL, Sec. 30, Township 19 South, Range 26 East, Eddy County, New Mexico. Disposal water will be sourced from area wells producing from the Yezo formation. The disposal water will be injected into the Upper Penn formation at a depth of 7936-8210' at a maximum surface pressure of 1587 psi and a maximum rate of 10,000 BWPD. Any interested party who has an objection to this must give notice in writing to the Oil Conservation Division, 1220 South Saint Francis Street, Santa Fe, New Mexico, 87505, within fifteen (15) days of this notice. Any interested party with questions or comments may contact Brian Collins at Marbob Energy Corporation, Post Office Box 227, Artesia, New Mexico 88211-0227, or call 575-748-3303.

Published in the Artesia Daily Press, Artesia, NM January 13, 2009.

Legal No. 20530

Notification List

	ADDRESS1	ADDRESS2	CITY	ST	ZIP
Betty Dale	3072 S. Zenobia St		Denver	CO	80236
Charles R. Martin, Inc.	210 S. Eighth St.		Artesia	NM	88210
EHW, LLC	101 South 4th St.		Artesia	NM	88210
Estate of Phyllis Polk Williams	6525 La Cadena		El Paso	TX	79912
Barbara Ann Williams Litchfield	Rt. 2, Box 36B		Lovington	NM	88260
Estate of Phyllis Polk Williams	P. O. Box 2423		Roswell	NM	88202
Wanda L. Williams	2448 South Roosevelt Rd Y		Elida	NM	88116
Estate of Randolph M. Richardson					
George W. Gushwa					
Helen W. Rhett & John T. Rhett, Trustees of the					
Helen W. Rhett Trust, UTA dated 10-15-2002, as amended 7-9-2003	3175 21st N		Arlington	VA	22201
Hollyhock, LTD	2516 Lockheed		Midland	TX	79705
Homer Edward Spitler & Mildred Ilene Deemy Spitler					
Trustees of the Homer Edward Spitler & Mildred	720 3rd Ave.		Iowa City	Iowa	55245
Ilene Spitler Family Trust	P. O. Box 274		Stephenville	TX	76401
Jerry A. Warren	3305 Wentwood		Dallas	TX	75225
John Lodewick	P. O. Box 5071		Hobbs	NM	88241
Judy Gushwa Singletery	729 Walnut Drive		Fredericksburg	VA	22405
Linda Rockwell	P. O. Box 1720		Artesia	NM	88210
Losee Investments, LLC	University Village Condo 500	Crestwood Drive #1608	Charlottesville	VA	22903
Marjorie Lay Stewart, a widow	P. O. Box 50880		Midland	TX	79710
Marshall & Winston	500 W. Texas		Midland	TX	79701
Mewbourne Oil Co.					
Michael Harrison Moore	10 Desta Dr		Midland	TX	79705
c/o MHM Minerals, FLP	1100 Mira Vista		Plano	TX	75094
Murchison Oil & Gas Co.	P. O. box 1148		Santa Fe	NM	87504-1148
NM State Land Office	511 Newell		Dallas	TX	75223
Patricia Lodewick	P. O. Box 59		Roswell	NM	88202
R. R. Hinkle Co., Inc.	P. O. Box 788		Hobbs	NM	88240
Rebel Oil Company LLC	1105 N. Carroll Ave.		Southlake	TX	76092
Richard Lyons Moore					
Richard Lyons Moore					
Michael Harrison Moore					
Co-Trustees of the Testamentary Trust					
Created UWO Stephen Scott Moore, Deceased	1150 N. Carroll Ave.		Southlake	TX	76092
Robert Norvill	P. O. Box 1029		Chinle	AZ	86503
Roy Dale Gushwa	1916A East US Hwy 80		Mineola	TX	75773
Roy G. Barton, Jr., Trustee of the					
Roy G. Barton, Sr. and Opal Barton					
Revocable Trust, UTA dated 1-28-1982	1919 N. Turner		Hobbs	NM	88240
Roy W. Hartman	31 W Chadwick Drive		Mobile	AL	36601

Notification List

	ADDRESS1	ADDRESS2	CITY	ST	ZIP
Ruth Ann Polk Caudle an heir of Kelly and Mary G. Polk	5615 Preston Fairways Dr.		Dallas	TX	75252-4954
Ruth King Parrish & Paul Parrish Trustees of the Parrish Family Trust, UTA Dated 8-17-1979	P. O. Box 178		Gravity	Iowa	50848
Spiral, Inc.	P. O. Box 1933		Roswell	NM	88202
The Genee H. Schubert Trust	2020 Vega Ct.		Hobbs	NM	88240
The Jeanine Hooper Byron Trust UTA dated 6-18-2003	P. O. Box 1562		Roswell	NM	88202
Wanda Hunt	20194 Broad Run Drive		Sterling	VA	20165
William J. McCaw Mary G. Riddle	P. O. Box 376		Artesia	NM	88210
Yates Petroleum Corporation Yates Drilling Company MYCO Industries, Inc. Abo Petroleum Corporation Sacramento Partners					
	105 S. 4th St.		Artesia	NM	88210

Submit 3 Copies To Appropriate District Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Ave., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
June 19, 2008

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. 30-015-22233
1. Type of Well: Oil Well ☐ Gas Well ☒ Other ☐		5. Indicate Type of Lease STATE ☒ FEE ☐
2. Name of Operator MARBOB ENERGY CORPORATION		6. State Oil & Gas Lease No.
3. Address of Operator P O BOX 227 ARTESIA NM 88211-0227		7. Lease Name or Unit Agreement Name LAKEWOOD AQE STATE SWD
4. Well Location Unit Letter <u>F</u> : 1980 feet from the <u>NORTH</u> line and 1980 feet from the <u>WEST</u> line Section 30 Township 19S Range 26E NMPM EDDY County		8. Well Number 1
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3419' GR		9. OGRID Number 14049
		10. Pool name or Wildcat WILDCAT CANYON

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
DOWNHOLE COMMINGLE ☐

OTHER: CONVERT TO SWD ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐

OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

MARBOB ENERGY CORPORATION PROPOSES TO RE-ENTER THE WELL, CLN OUT TO 8210', SQUEEZE CEMENT AND PRESSURE TEST SAN ANDRES PERFS 2536-60' AND YESO PERFS 2888-3060'. CONVERT TO SALT WATER DISPOSAL SERVICE INTO THE UPPER PENN 7936-8210'.

SEE ATTACHED OCD FORM C-108 "APPLICATION FOR AUTHORIZATION TO INJECT."

APD WILL BE SUBMITTED AFTER C-108 IS APPROVED BY NMOC.

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

SIGNATURE Brian Collins TITLE PETROLEUM ENGINEER DATE 01/08/09

Type or print name BRIAN COLLINS E-mail address: bcollins@marbob.com PHONE: 575-748-3303

For State Use Only

APPROVED BY: _____ TITLE _____ DATE _____

Conditions of Approval (if any): _____

2009 FEB

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HOLLYHOCK LTD
2516 LOCKHEED
MIDLAND TX 79705

Michael Harrison Moore
C/O MM Minerals FLP
10 DESTA DRIVE
MIDLAND TX 79704

2009 FEB

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RICHARD LYONS MOORE
1150 N CARROLL AVE
SOUTHLAKE TX 76092

R R Hinkle Company Inc
P O BOX 59
ROSWELL NM 88202-0059

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GENEE H SCHUBERT TRUST
2020 VEGA CT
HOBBS NM 88240

ESTATE OF PHYLIS POLK WILLIAMS
WANDA L WILLIAMS
RT 2 BOX 268
MIDLAND TX 79704

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REBEL OIL COMPANY LLC
ATTN SHANE SPEAR PRESIDENT
P O BOX 788
HOBBS NM 88241-0788

ROBERT NORVILL
P O BOX 1029
CHINLE AZ 86503

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RICHARD LYONS MOORE
1150 N CARROLL AVE
SOUTHLAKE TX 76092

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GENEE H SCHUBERT TRUST
2020 VEGA CT
HOBBS NM 88240

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REBEL OIL COMPANY LLC
ATTN SHANE SPEAR PRESIDENT
P O BOX 788
HOBBS NM 88241-0788

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ROY G BARTON JR TRUSTEE OF THE
ROY G BARTON SR & OPAL BARTON REVOCABLE TRST UTA
DATED 1-28-82
1919 N TURNER
HOBBS NM 88240

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GEORGE W GUSHWA
2448 S ROOSEVELT RD Y
ELIDA NM 88116

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RUTH KING PARRISH &
PAUL PARRISH TRUSTEES OF THE PARRISH
FAMILY TRUST UTA DATED 8-17-1979
P O BOX 178
GRAVITY IOWA 50848

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HOMER EDWARD SPITLER &
MILDRED ILENE DEEMY SPITLER TRUSTEES OF
THE HOMER EDWARD SPITLER & MILDRED ILENE EDWARD SPITLER
FAMILY TRUST
720 3RD AVE
IOWA CITY IOWA 50848

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THE JEANNINE HOOPER BYRON TRUST
UTA DATED 6-18-2003
P O BOX 1562
ROSWELL NM 88202-1562

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RICHARD LYONS MOORE
MICHAEL HARRISON MOORE
CO TRUSTEES OF THE TESTAMENTARY TRST
CREATED UWO STEPHEN SCOTT MOORE DECEASED
1150 N CARROLL AVE
SOUTHLAKE TX 76092

5259 6668 0000 0190 9002

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Patricia Lodewick
511 Newell
Dallas TX 75223

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Dallas TX 75223

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William J McCarw
Mary G Riddle
P O Box 376
Artesia NM 88211-0376

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Spiral Inc
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Roswell NM 88202-1933

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Barbara Ann Williams Litchfield
6535 La Cadena
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Murchison Oil & Gas Company
1100 Mira Vista Blvd
Plano TX 75093

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Charles R Martin Inc
210 S 8th St
Artesia NM 88210

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Jerry A Warren
P O Box 274
Stephenville TX 76401

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Yates Petroleum Corporation
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ABO Petroleum Corporation
Sacramento Partners
105 S 4th St
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Marjorie Lay Stewart
University Village Condo 500
Crestwood Dr #1608
Charlottesville VA 22903

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Loose Investments LLC
P O Box 1720
Artesia NM 88211-1720

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John Lodewick
3305 Wentwood
Dallas TX 75225

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NM STATE LAND OFFICE P O BOX 1148 SANTA FE NM 87504-1148	

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MARSHALL & WINSTON P O BOX 50880 MIDLAND TX 79710	

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MEWBOURNE OIL COMPANY 500 W TEXAS MIDLAND 79701	

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Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees \$	
HELEN W RHETT & JOHN T RHETT TRUSTEES OF THE HELEN W RHETT TRUST UTA DATED 10-14-2002, AMENDED 07-09-2003 3175 21ST N ARLINGTON VA 22201	

7006 0810 0000 8979 6701

U.S. Postal Service	
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JUDY GUSHWAY SINGLETERRY P O BOX 5071 HOBBS NM 8824	

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Total Postage & Fees \$	
WANDA HUNT 20194 BROAD RUN DRIVE STERLING VA 20165	

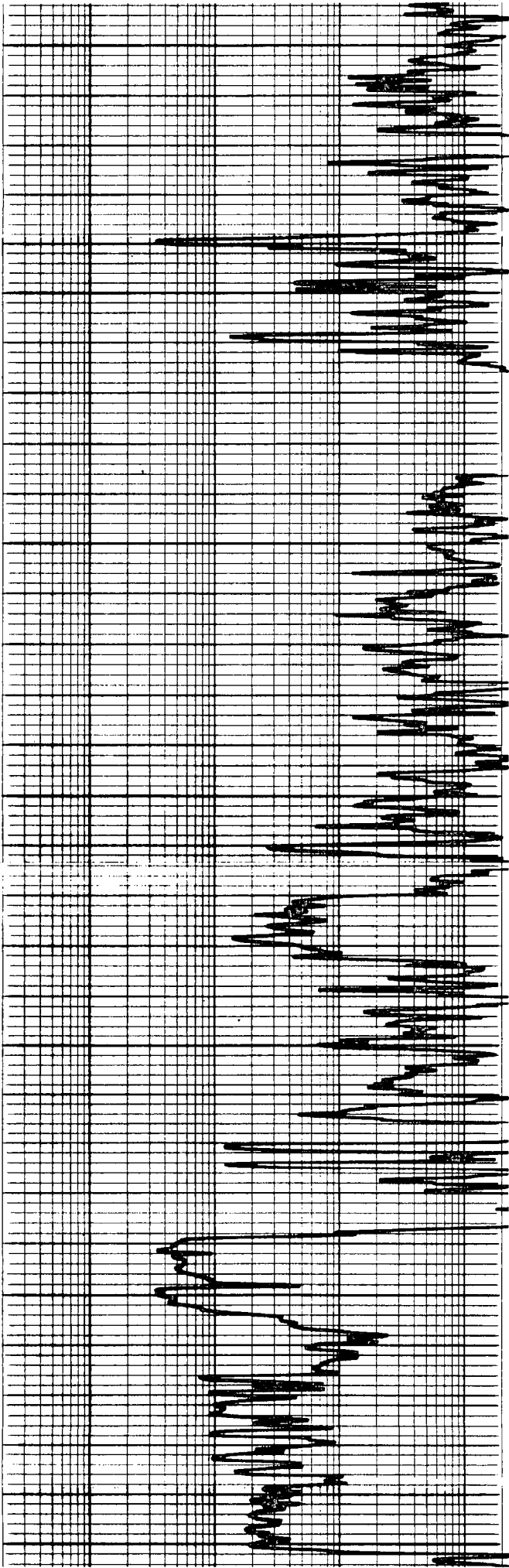
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U.S. Postal Service	
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ROY DALE GUSHWA 1916A E US HWY 80 MINEOLA TX 75773	

7006 0810 0000 8979 6601

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Postage \$	
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Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees \$	
LINDA ROCKWELL 729 WALNUT DR FREDERICKSBURG VA 22405	

PS Form 3800, June 2002 See Reverse for Instructions

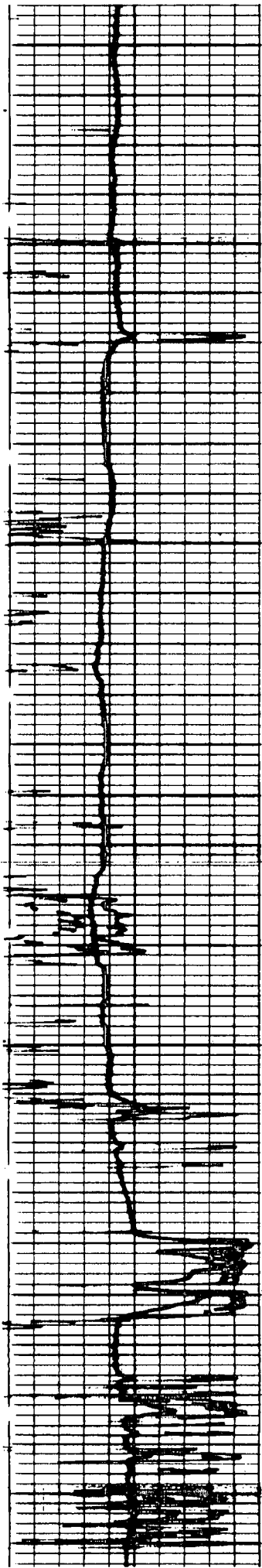


8300

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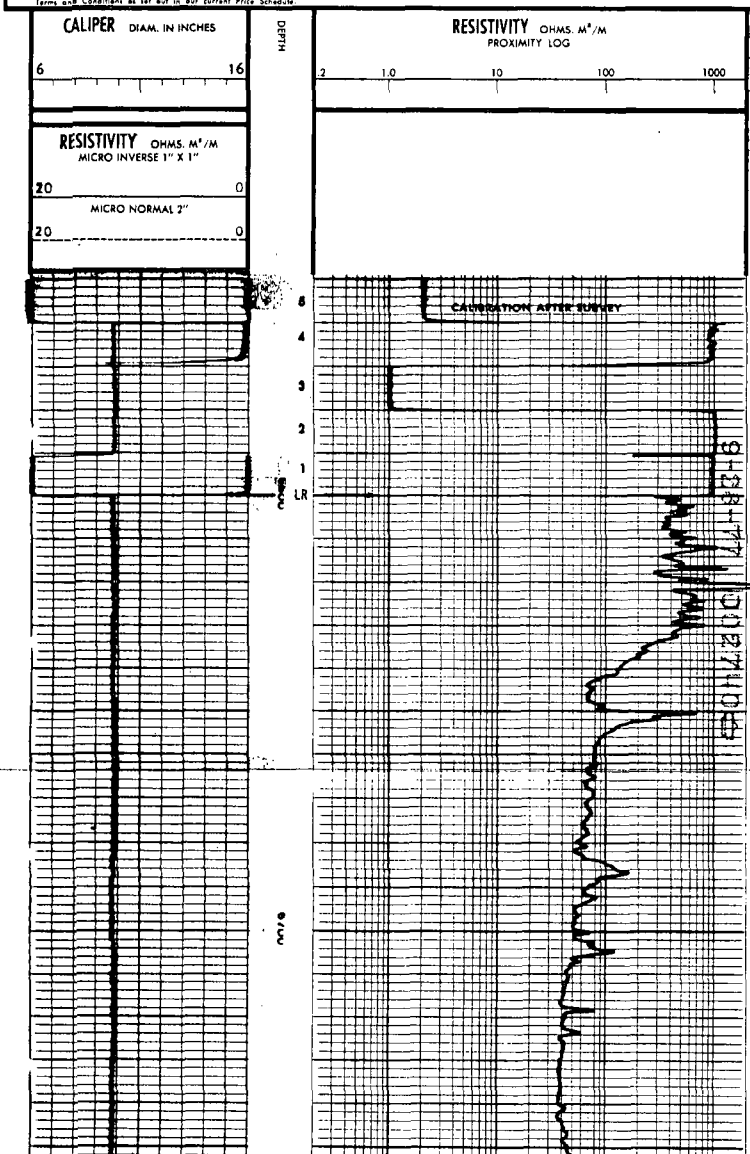
8300



PROXIMITY LOG-MICROLOG

Permanent Datum: <u>G.L.</u>	Elev: <u>3422</u>
Log Measured From: <u>K.B.</u>	D.F. <u>3436</u>
Drilling Measured From: <u>K.B.</u>	G.L. <u>3422</u>

FOLD HERE		The well name, location and borehole reference data were furnished by the customer.													
RUN NO.		ONE										SCALE CHANGES			
Service Order No.		02740										Type Log	Depth	Scale Up Hole	Scale Down
Fluid Level		FULL													
Salinity-PPM Cl		3200													
EQUIPMENT DATA		384										REMARKS:			
Conc (MPF)															
Cartridge (MPC)															
Sonde (MPS)															
Tape Recorder (TTR)															
Depth Encoder (DRE)															
Pressure Wheel (CPW)															
BOTTOM HOLE TEMPERATURE															
Thermometer #1		°F		°F		°F		°F							
Thermometer #2		°F		°F		°F		°F							
Thermometer #3		°F		°F		°F		°F							
All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not guarantee the accuracy or correctness of any interpretation and we shall not, except to the extent of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to Clause 7 of our General Conditions of Service.															

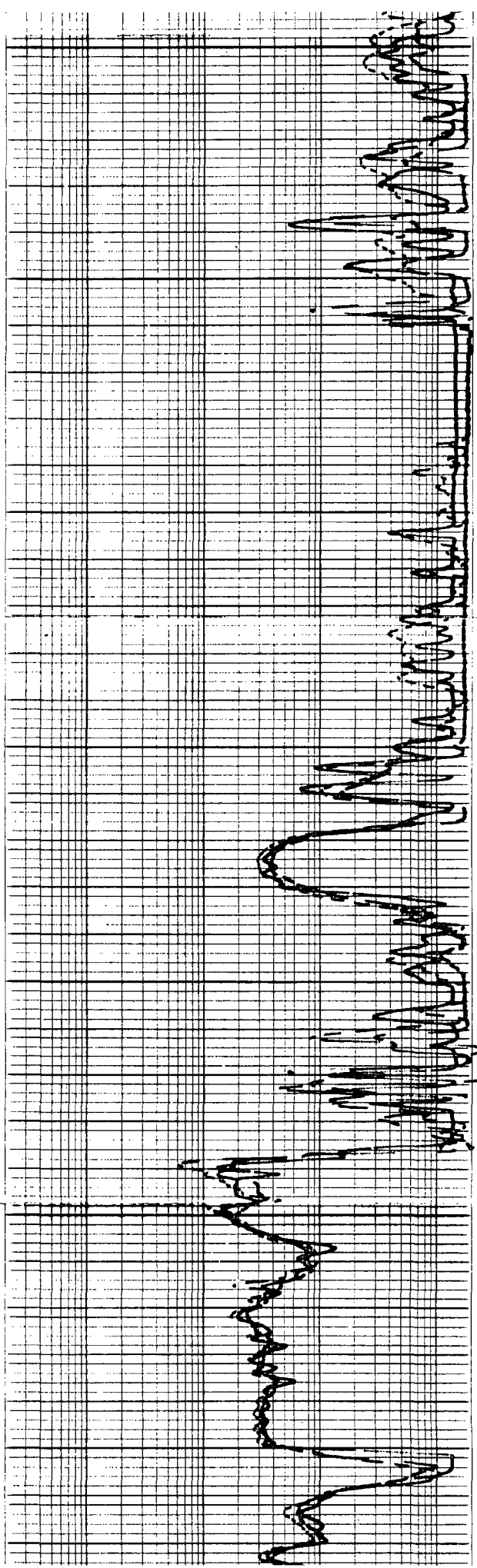


0000

0118

0228

0330



LAKWOOD STATE COM. WELL NO. 1

MUD PROGRAM

Surface:	<u>0 - 500'</u> Fresh water gel/lime slurry.
Intermediate:	<u>500 - 1400'</u> Fresh water with LCM for seepage if required.
Production:	<u>1400' - T.D.</u> Fresh water to 7000'. At 7000' mud up with low solids, non- dispersed fresh water system. Weight and fiscosity will be ad- justed to contain the formation fluids. The water loss will be decreased to 5 cc or less before drilling the Morrow.

Submit 3 Copies To Appropriate District
Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM
87505

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103
Revised March 25, 1999

WELL API NO.
30-015-22233

5. Indicate Type of Lease
STATE ☒ FEE ☐

6. State Oil & Gas Lease No.
V-5110

7. Lease Name or Unit Agreement Name:
Lakewood AQE State

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH
PROPOSALS.)

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

2. Name of Operator
Yates Petroleum Corporation

3. Address of Operator
105 S. 4th Street Artesia, NM 88210

7. Well No.
#1

8. Pool name or Wildcat
Wildcat Canyon

4. Well Location

Unit Letter **F** : **1980** feet from the **North** line and **1980** feet from the **West** line

Section **30** Township **19S** Range **26E** NMPM **Eddy** County

10. Elevation (Show whether DR, RKB, RT, GR, etc.)
3436' GR

11. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☒
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPNS. ☐	PLUG AND ABANDONMENT ☐
PULL OR ALTER CASING ☐	MULTIPLE COMPLETION ☐	CASING TEST AND CEMENT JOB ☐	
OTHER: ☐		OTHER: Perforate, acidize, polymer squeeze ☒	

Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

1/1/00 - 12/2/00 - Waiting on completion unit.

12/5/00 - TIH with bit and scraper. Tagged PBID at 8523'. Spot 1000 gals 20% DIIC HCL.

Perforate Canyon 7936-7962' with 14 holes, .42".

12/7/00 - Rig down and release all equipment. Turn to production to install pump.

5/2/01 - Move in and rig up pulling unit.

5/3/01 - TOH with pump.

5/6/01 - Pumped 2585 bbls crosslinked polymer.

5/7/01 - Rig down and release all equipment. Turn to production department to run pump.

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

SIGNATURE *Susan Herpin* TITLE Engineering Technician DATE December 27, 2001

Type or print name Susan Herpin
(This space for State use)

Telephone No. 505-748-1471

APPROVED BY *[Signature]* **ORIGINAL SIGNED BY TIM W. GUM**
DISTRICT II SUPERVISOR TITLE _____
Conditions of approval, if any: _____

JAN 14 2002

Submit To Appropriate District Office

State Lease - 6 copies

Fee Lease - 5 copies

District I

1625 N. French Dr., Hobbs, NM 88240

District II

811 South First, Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-105

Revised March 25, 1999

WELL API NO.

30-015-22233

5. Indicate Type of Lease

STATE ☒ FEE ☐

State Oil & Gas Lease No.

V-5110

7. Lease Name or Unit Agreement Name

Lakewood AQE State

8. Well No.

#1

9. Pool name or Wildcat

Wildcat Canyon**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

1a. Type of Well:

OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐

b. Type of Completion:

NEW WORK PLUG DIFF.
WELL ☐ OVER ☐ DEEPEN ☐ BACK ☐ RESVR. ☐ OTHER **Re-entry**

2. Name of Operator

Yates Petroleum Corporation

3. Address of Operator

105 South 4th St., Artesia, NM 88210

4. Well Location

Unit Letter **F** : **1980** Feet From The **North** Line and **1980** Feet From The **West** Line
Section **30** Township **19S** Range **26E** NMPM **Eddy** County

10. Date Spudded

12/28/99

11. Date T.D. Reached

12/31/99

12. Date Compl. (Ready to Prod.)

12/7/00

13. Elevations (DF& RKB, RT, GR, etc.)

3436' GR

14. Elev. Casinghead

15. Total Depth

Previous TD - 9627'

Re-entry TD - 8567'

16. Plug Back T.D.

8523'

17. If Multiple Compl. How Many Zones?

18. Intervals Drilled By

Rotary Tools

Cable Tools

40-8567'

19. Producing Interval(s), of this completion - Top, Bottom, Name

7936-7962' Canyon

20. Was Directional Survey Made

No

21. Type Electric and Other Logs Run

None

22. Was Well Cored

No**23. CASING RECORD (Report all strings set in well)**

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	48#	500'	17-1/2"	In place	
9-5/8"	36#	1400'	12-1/4"	In place	
7"	23# & 26#	8567'	8-3/4"	1650 sxs circ	

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

25. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
3-1/2"	7832'	

26. Perforation record (interval, size, and number)

Canyon 7936-7962' 14 holes .42"

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

DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED

7936-7962' 1000 gals 20% DI IC HCL

2585 bbls crosslinked polymer

28. PRODUCTION

Date First Production

12/12/00

Production Method (Flowing, gas lift, pumping - Size and type pump)

Pumping

Well Status (Prod. or Shut-in)

Producing

Date of Test

12/23/00

Hours Tested

24

Choke Size

Prod'n For Test Period

Oil - Bbl

0

Gas - MCF

64

Water - Bbl.

2897

Gas - Oil Ratio

Flow Tubing Press.

Casing Pressure

Calculated 24-Hour Rate

Oil - Bbl.

0

Gas - MCF

64

Water - Bbl.

2897

Oil Gravity - API - (Corr.)

29. Disposition of Gas (Solid, used for fuel, vented, etc.)

Vented

Test Witnessed By

Owen Meinke

30. List Attachments

None

31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature

Printed

Name **Susan Herpin** Title **Engineering Tech.** Date **December 27, 2001**

Injection Permit Checklist (7/8/08)

Case 846-A SWD WFX PMX IPI Permit Date U.F.M. UIC Q# U.F.M.

Wells 1 Well Name: Lakewood AOE State #1

API Num: (30-) 015-22233 Spud Date: 1977 New/Old: 0 (UIC primacy March 7, 1982)

Footages 1980 FNL/1980 FWL Unit F Sec 30 Tsp 19S Rge 26E County Eddy

Operator: Marbot Energy Corporation Contact Brian Collins

OGRID: 14049 RULE 40 Compliance (Wells) 2/1223 (Finan Assur) OK

Operator Address: PO-BOX 227, arden NM 88211-0227

Current Status of Well: P&A 6/04

Planned Work to Well: Re-enter / convertPlanned Tubing Size/Depth: 2 7/8 @ 7900'

	Sizes Hole.....Pipe	Setting Depths	Cement Sx or Cf	Cement Top and Determination Method
Existing Surface	17 1/2 13 5/8	500'	600	CIRC
Existing Intermediate	12 1/4 9 5/8	1400'	750	CIRC
Existing Long String	8 3/4 7"	8567	1650	CIRC

DV Tool ✓ Liner ✓ Open Hole ✓ Total Depth 9726' PBDT ✓Well File Reviewed ✓Diagrams: Before Conversion ✓ After Conversion ✓ Elogs in Imaging File: ✓

Intervals:	Depths	Formation	Producing (Yes/No)
Above (Name and Top)			
Above (Name and Top)	7530	Penn	
Injection.....			
Interval TOP:	(7936)	UPPER Penn (Tested)	
Injection.....			
Interval BOTTOM:	(8210)	UPPER Penn	
Below (Name and Top)	8360	STRAWN	

SWD-846
Unit of Lake
McMILLAN
1587 PSI Max. WHIP

Open Hole (Y/N) ✓Deviated Hole? ✓Sensitive Areas: Capitan Reef Cliff House Salt Depths ✓..... Rotash Area (R-111P) Rotash Lessee Noticed? ✓Fresh Water: Depths: 0-1400' Wells (Y/N) ✓ Analysis Included (Y/N): ✓ Affirmative Statement ✓Salt Water: Injection Water Types: Yes Analysis? ✓Injection Interval..... Water Analysis: ✓ Hydrocarbon Potential Taste wet on top

(Small Gas + Big Water)

Notice: Newspaper (Y/N) ✓ Surface Owner SKE Mineral Owner(s) ✓RULE 701B(2) Affected Parties: Namby + many othersArea of Review: Adequate Map (Y/N) ✓ and Well List (Y/N) ✓Active Wells 0 Num Repairs ✓ Producing in Injection Interval in AOR ✓..P&A Wells 0 Num Repairs ✓ All Wellbore Diagrams Included? ✓

Questions to be Answered:

Pressure Test CSG SKE by W/O

interval 8170-80 = ?

Required Work on This Well: Request Sent ✓ Reply: ✓AOR Repairs Needed: Request Sent ✓ Reply: ✓Request Sent ✓ Reply: ✓