

BEFORE THE NEW MEXICO OIL CONSERVATION DIVISION

RECEIVED OGD

APPLICATION OF DWIGHT A. TIPTON,
OF A PRESSURE MAINTENANCE PROJECT
IN THE LOWER SAN ANDRES FORMATION,
LEA COUNTY, NEW MEXICO.

2012 OCT -2 A 8: 54

Case No. 14917

APPLICATION FOR LEASE PRESSURE MAINTENANCE

Dwight A. Tipton., by and through his undersigned attorney, applies for an order approving lease pressure maintenance, and in support thereof, states:

1. Applicant seeks approval to institute a lease pressure maintenance project in its Sunray A #1 well located in Unit O, Section 36, Township 9 South, Range 33 East, N.M.P.M., Lea County, New Mexico.

2. Applicant intends to inject produced water into the lower San Andres formation through its Sunray A #1 well located 990 FSL and 1980 FEL, Unit O, Section 36, Township 9 South, Range 33 East, N.M.P.M., Lea County, New Mexico, at a depths of 4630-4650 feet (perforated) and 4750-5000 feet (open hole).

4. A form C-108 for the well is attached hereto as Exhibit A.

5. The granting of this application will prevent waste and protect correlative rights.

WHEREFORE, Applicant requests that, after notice and hearing, the Division enter its order approving this application.

Respectfully submitted,

PADILLA LAW FIRM, P.A.

A handwritten signature in black ink, appearing to read "Ernest L. Padilla". The signature is fluid and cursive, with a long horizontal stroke at the end.

ERNEST L. PADILLA,
Attorney for Dwight A. Tipton
PO Box 2523
Santa Fe, New Mexico 87504
505-988-7577

EXHIBIT A

NMOCD Case No. 14917

Application of Dwight A. Tipton for approval of a pressure maintenance project in Lea County, New Mexico; Applicant seeks approval to institute a lease pressure maintenance project in its Sunray A #1 well located 990 FSL, 1980 FEL in Unit O of Section 36, Township 9 South, Range 33 East, N.M.P.M., Lea County, New Mexico. Applicant intends to inject produced water into the lower San Andres formation at depths of 4630-4650 feet (perforated) and 4750-5000 feet (open hole).

RECEIVED OGD

2017 OCT -2 A 8:54

Case 14917

DATE IN	SUSPENSE	ENGINEER	LOGGED IN	TYPE	APP NO.
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ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

1220 South St. Francis Drive, Santa Fe, NM 87505

**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.

Eddie W Seay

Print or Type Name

Eddie W Seay

Signature

Agent

Title

6/15/2012

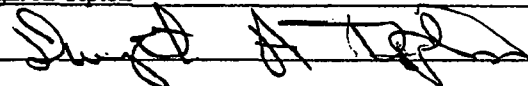
Date

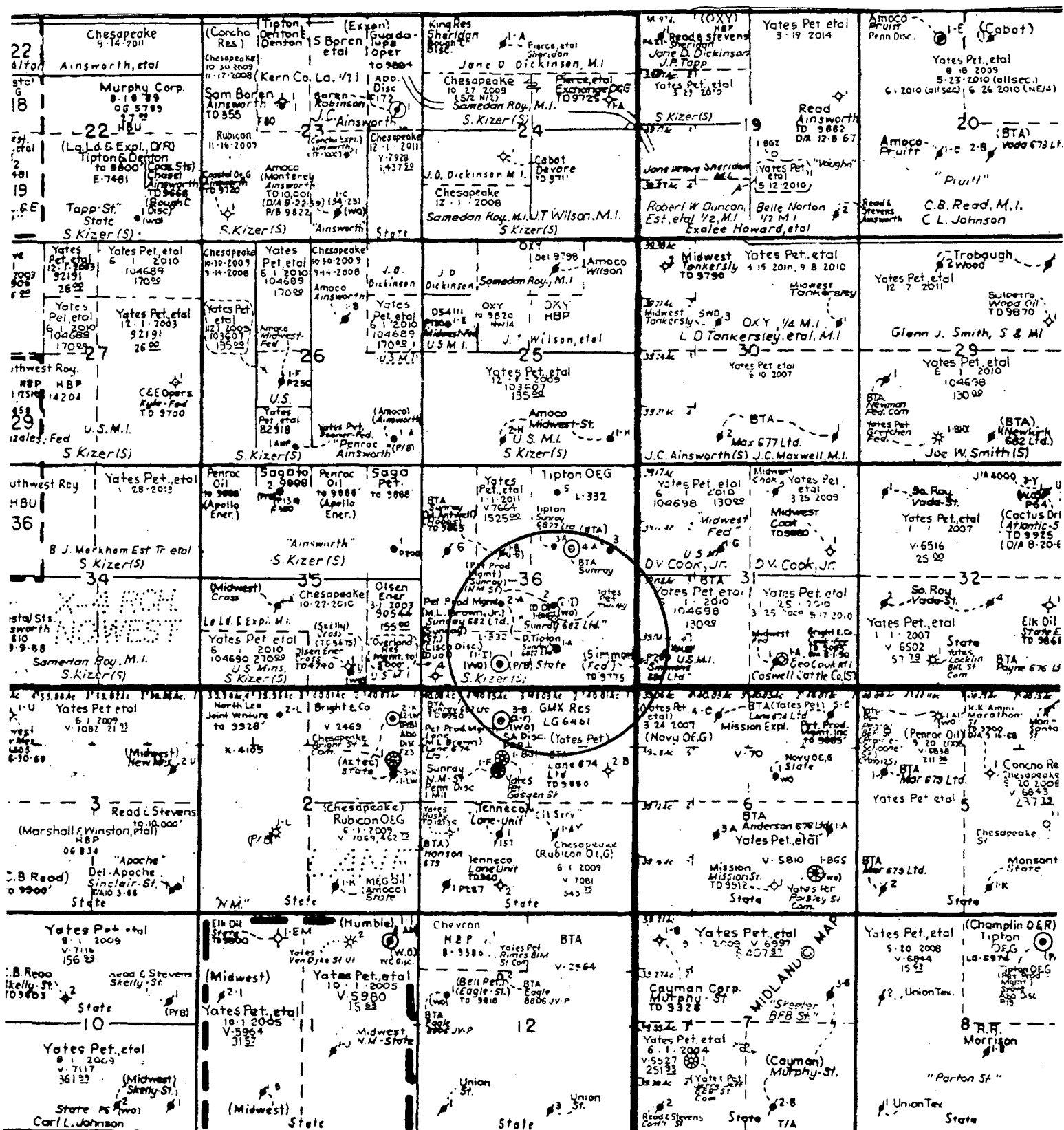
seay_04@leaco.net

e-mail Address

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 2012 OCT -2 A 8:55

APPLICATION FOR AUTHORIZATION TO INJECT

- I. PURPOSE: Secondary Recovery Pressure Maintenance X Disposal Storage
Application qualifies for administrative approval? X Yes No
- II. OPERATOR: Dwight A. Tipton
ADDRESS: Box 1025 Lovington, NM 88260
CONTACT PARTY: Dwight A. Tipton PHONE: (575)631-1142
- 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: Dwight A. Tipton TITLE: Owner
SIGNATURE:  DATE: 6/13/2012
E-MAIL ADDRESS: seay04@leaco.net
- * 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: _____



INJECTION WELL DATA SHEET

OPERATOR: Dwight A. Tipton

WELL NAME & NUMBER: Sunray A #1 (API 30.025.31000)

WELL LOCATION: 990/S 1980/E
FOOTAGE LOCATION

UNIT LETTER

36
SECTION

9
TOWNSHIP

33
RANGE

WELLBORE SCHEMATIC

WELL CONSTRUCTION DATA

Surface Casing

[illegible]

Hole Size: 12 $\frac{1}{4}$ Casing Size: 8 $\frac{5}{8}$

Cemented with: 300 SX. or ft³

Top of Cement: Surface Method Determined: circulate

Intermediate Casing

Hole Size: _____ Casing Size: _____

Cemented with: _____ SX. or _____ ft³

Top of Cement: _____ Method Determined: _____

Production Casing

Hole Size: 7 $\frac{7}{8}$ Casing Size: 5 $\frac{1}{2}$

Cemented with: 800 SL or ft³

Top of Cement: 1000 Method Determined: TS

Total Depth: 4750

Injection Interval

Feet. 4630 - 4650 feet to open hole from 4750
 +
 (Perforated) or (Open Hole) indicate which) to 5000

INJECTION WELL DATA SHEET

Tubing Size: 2 $\frac{7}{8}$ Lining Material: IPC
 Type of Packer: Baker Loc Set
 Packer Setting Depth: 4550
 Other Type of Tubing/Casing Seal (if applicable): NONE

Additional Data

1. Is this a new well drilled for injection? Yes X No
 If no, for what purpose was the well originally drilled? San Andres
producer
2. Name of the Injection Formation: Lower San Andres
3. Name of Field or Pool (if applicable): Lane SA
4. 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.
NO
5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:
Yates is at 2677
Glorieta at 5340

ATTACHMENT TO APPLICATION C-108

Sunray A #1 (API 30-025-31000)
Unit O, Sect. 36, Tws. 9 S., Rng. 33 E.
Lea Co., NM

III. WELL DATA

- A.
 - 1) See injection well data sheets and attached schematics.
 - 2) See injection well data sheets and attached schematics.
 - 3) 2 7/8" plastic coated tubing.
 - 4) Baker Lock Set.

- B.
 - 1) Injection formation is the Lower San Andres
 - 2) Injection interval 4630' to 5000'.
 - 3) Well was drilled as a producer.
 - 4) The next higher producing zone is the Yates at approximately 2677' .
The next lower producing zone is the Glorieta at approximately 5340' .

IV. NO.

V. MAP ATTACHED.

VI. LIST OF WELLS AND DATA ATTACHED.

VII. Tipton proposes to re-complete the #1 well by deepening the well to 5000 ft, use existing perforations and open hole to inject produced water. Acidize as needed, set 5 1/2" packer within 100 ft. of top perforations. Test casing as OCD requires.

- 1) Plan to inject approximately 1000 bpd of produced water from Tiptons own operation in offset production.
- 2) Closed system.
- 3) Average injection pressure should be approximately 800# to 1200# or whatever limit OCD allows.
- 4) Analysis attached, only produced water.
- 5) Water from offset production from San Andres.

VIII. The proposed disposal formation is interbedded shale and limestone. The primary geologic formation is the San Andres from 3910' to 4760' .

The fresh water formation in the area is the Ogallala which ranges in thickness from 100' to 160'. Analysis of water well attached.

IX. ACID AS NEEDED.

X. PREVIOUSLY SUBMITTED TO OCD.

XI. ATTACHED.

XII. I, Eddie W. Seay, have examined all available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zones and any underground source of drinking water pertaining to this well.

XIII. ATTACHED.

DISPOSAL WELL

API #	PROPERTY NAME	#	OPERATOR	TD	TYPE	STAT	CO	LAND	U/L	SEC	TWN	RNG	N/S	E/W
30-025-31000	SUNRAY A 6822 LTD	1	DWIGHT A TIPTON					O	36	9	S	33	E	990 S 1980 E

Wells within 1/2 mile of the proposed disposal well.

Wells within 1/2 mile of the proposed disposal well.														5280		5280		Distance
API #	PROPERTY NAME	#	OPERATOR	TD	TYPE	STAT	CO	LAND	U/L	SEC	TWN	RNG	N/S	E/W				
30-025-31061	SUNRAY A 6822 LTD	3	DWIGHT A TIPTON	4760	OIL	P	LEA	S	G	36	9 S	33 E	1980 N	1980 E	1320			
30-025-00964	SUNRAY 682 LTD	2	LEGACY RESERVES OPER, LP	10898	OIL	P	LEA	S	J	36	9 S	33 E	1980 S	1980 E	2333			
30-025-37466	TWITTY BHF STATE	1	LEGACY RESERVES OPER, LP	12110	GAS	TA	LEA	S	J	36	9 S	33 E	1650 S	1980 E	2333			
30-025-31060	SUNRAY A 6822 LTD	2	DWIGHT A TIPTON	4756	OIL	P	LEA	S	K	36	9 S	33 E	1980 S	1980 W	1170			
30-025-00970	SUNRAY 682 LTD	1	LEGACY RESERVES OPER, LP	12569	OIL	P	LEA	S	N	36	9 S	33 E	660 S	1980 W	2513			
30-025-00975	LANE B	3	LEGACY RESERVES OPER, LP	9855	OIL	P	LEA	S	C	1	10 S	33 E	660 N	1980 W	1763			

WELLBORE SCHEMATIC AND HISTORY

COMPLETION SCHEMATIC		O-A																			
FORM	DEPTH																				
		APINUM: 30-025-31000 OPERATOR: DWIGHT A TIPTON LEASENAME: SUNRAY A 6822 LTD WELL NO. 1 SURF LOC: UL: 0 SEC: 36 TWN: 09S RNG: 33E BH LOC: UL: 0 SEC: 36 TWN: 09S RNG: 33E 990 FSL 1980 FEL 990 FSL 1980 FEL TD 4750 PBD KB DF GL POOL LANE;SAN ANDRES PERFS 4630-4650 Open Hole None POOL SWD;SAN ANDRES PERFS Open Hole																			
Rustler	2070																				
T. Salt	2130																				
B. Salt	2515																				
Yates	2677																				
San Andres	3910																				
		CASING RECORD <table border="1"> <thead> <tr> <th></th> <th>SIZE</th> <th>DEPTH</th> <th>CMT</th> <th>HOLE SIZE</th> <th>TOC</th> </tr> </thead> <tbody> <tr> <td>SURF.</td> <td>8.625</td> <td>498</td> <td>300 sxs</td> <td>12.25</td> <td>0' CIRC</td> </tr> <tr> <td>PROD</td> <td>5 1/2</td> <td>4750</td> <td>800 sxs</td> <td>7 7/8</td> <td>1000'</td> </tr> </tbody> </table>			SIZE	DEPTH	CMT	HOLE SIZE	TOC	SURF.	8.625	498	300 sxs	12.25	0' CIRC	PROD	5 1/2	4750	800 sxs	7 7/8	1000'
	SIZE	DEPTH	CMT	HOLE SIZE	TOC																
SURF.	8.625	498	300 sxs	12.25	0' CIRC																
PROD	5 1/2	4750	800 sxs	7 7/8	1000'																
		PERFS 4630-4650 Spud Date 11/03/1990 Comp Date 11/21/1990																			
		TD 4750 5 1/2 @ 4750' TOC @ 1000'																			
		Glorieta est 5340																			

PREPARED BY: EDDIE SEAY

UPDATED 06/03/12

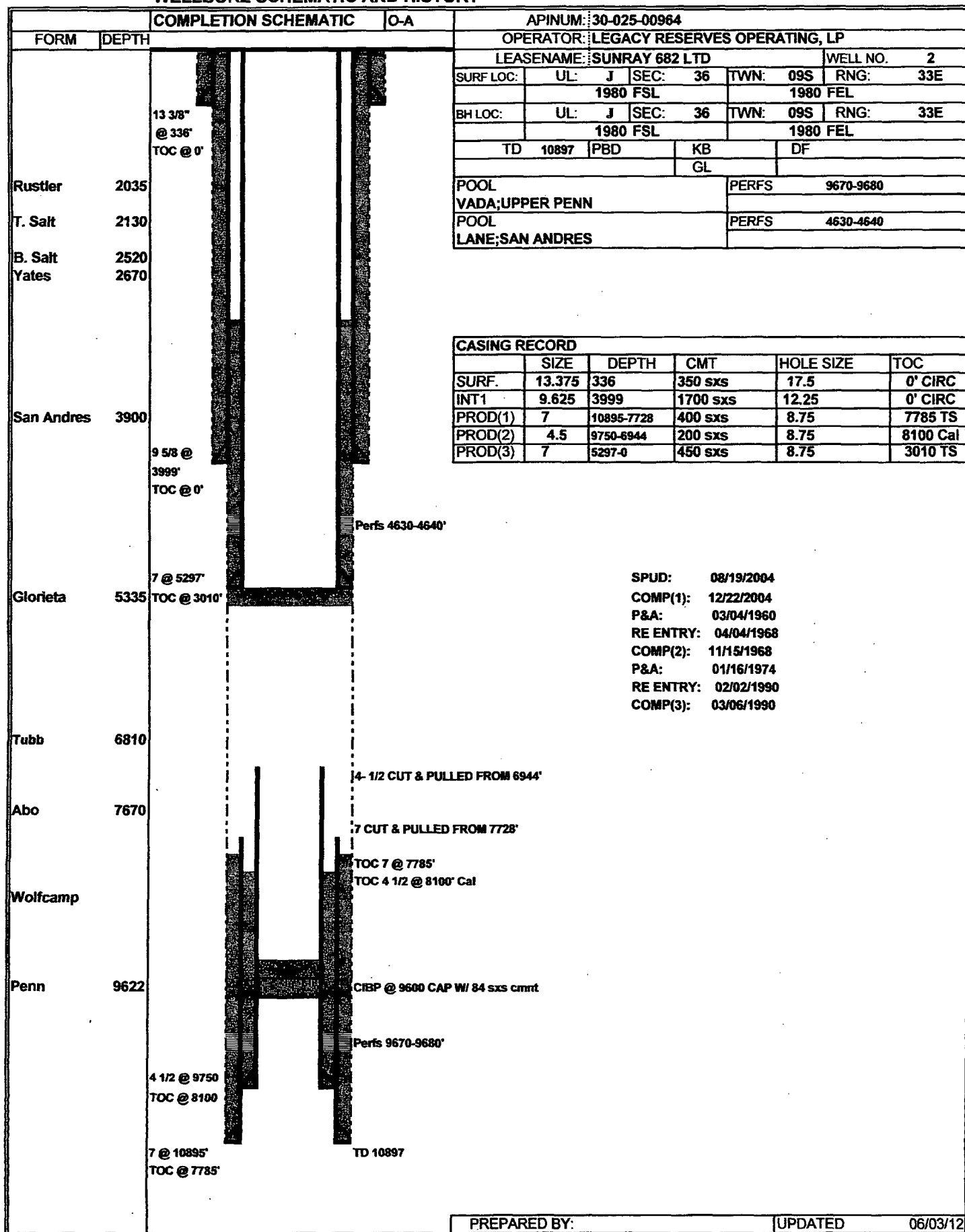
PROPOSED WELLBORE SCHEMATIC

COMPLETION SCHEMATIC		O-A	APINUM: 30-025-31000																													
FORM	DEPTH		OPERATOR: DWIGHT A TIPTON																													
			LEASENAME: SUNRAY A 6822 LTD				WELL NO. 1																									
			SURF LOC:	UL: O	SEC: 36	TWN: 09S	RNG: 33E																									
			990 FSL				1980 FEL																									
			BH LOC:	UL: O	SEC: 36	TWN: 09S	RNG: 33E																									
			990 FSL				1980 FEL																									
			TD 5000	PBD	KB	DF																										
				GL																												
			POOL LANE; SAN ANDRES				PERFS 4630-4650																									
							Open Hole None																									
		POOL SWD; SAN ANDRES				PERFS 4630-4650																										
						Selective perfs 4650-4750																										
						Open Hole 4750-5000																										
		<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th colspan="6">CASING RECORD</th> </tr> <tr> <th></th> <th>SIZE</th> <th>DEPTH</th> <th>CMT</th> <th>HOLE SIZE</th> <th>TOC</th> </tr> </thead> <tbody> <tr> <td>SURF.</td> <td>8.625</td> <td>498</td> <td>300 sxs</td> <td>12.25</td> <td>0' CIRC</td> </tr> <tr> <td>PROD</td> <td>5 1/2</td> <td>4750</td> <td>800 sxs</td> <td>7 7/8</td> <td>1000'</td> </tr> </tbody> </table>							CASING RECORD							SIZE	DEPTH	CMT	HOLE SIZE	TOC	SURF.	8.625	498	300 sxs	12.25	0' CIRC	PROD	5 1/2	4750	800 sxs	7 7/8	1000'
CASING RECORD																																
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SURF.	8.625	498	300 sxs	12.25	0' CIRC																											
PROD	5 1/2	4750	800 sxs	7 7/8	1000'																											
		Spud Date 11/03/1990 Comp Date 11/21/1990 Propose deepen to 5000																														
		PREPARED BY: EDDIE SEAY		UPDATED		06/03/12																										

WELLBORE SCHEMATIC AND HISTORY

COMPLETION SCHEMATIC		O-A	APINUM: 30-025-31061																											
FORM	DEPTH		OPERATOR: DWIGHT A TIPTON																											
			LEASENAME: SUNRAY A 6822 LTD		WELL NO. 3																									
			SURF LOC:	UL: G SEC: 36	TWN: 09S	RNG: 33E																								
			1980 FNL		1980 FEL																									
			BH LOC:	UL: G SEC: 36	TWN: 09S	RNG: 33E																								
			1980 FNL		1980 FEL																									
			TD 4760	PBD	KB	DF																								
					GL																									
			POOL LANE; SAN ANDRES			PERFS 4638-4646																								
						Open Hole	None																							
			POOL			PERFS																								
						Open Hole																								
			<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th colspan="6">CASING RECORD</th> </tr> <tr> <th></th> <th>SIZE</th> <th>DEPTH</th> <th>CMT</th> <th>HOLE SIZE</th> <th>TOC</th> </tr> </thead> <tbody> <tr> <td>SURF.</td> <td>8.625</td> <td>525</td> <td>300 sxs</td> <td>12.25</td> <td>0' CIRC</td> </tr> <tr> <td>PROD</td> <td>5 1/2</td> <td>4760</td> <td>975 sxs</td> <td>7 7/8</td> <td>990'</td> </tr> </tbody> </table>				CASING RECORD							SIZE	DEPTH	CMT	HOLE SIZE	TOC	SURF.	8.625	525	300 sxs	12.25	0' CIRC	PROD	5 1/2	4760	975 sxs	7 7/8	990'
CASING RECORD																														
	SIZE	DEPTH	CMT	HOLE SIZE	TOC																									
SURF.	8.625	525	300 sxs	12.25	0' CIRC																									
PROD	5 1/2	4760	975 sxs	7 7/8	990'																									
			Spud Date 12/29/1990 Comp Date 01/15/1991																											
			13 3/8 @ 525' TOC 0' 5 1/2 TOC @ 990'																											
			5 1/2 @ 4760' TOC @ 990' TD 4760																											

WELLBORE SCHEMATIC AND HISTORY



PREPARED BY:

UPDATED

06/03/12

WELLBORE SCHEMATIC AND HISTORY

COMPLETION SCHEMATIC		TA - O		APINUM: 30-025-37466	
FORM	DEPTH	OPERATOR: LEGACY RESERVES OPERATING LP			
		LEASENAME: TWITTY BHF STATE			WELL NO. 1
		SURF LOC:	UL: J	SEC: 36	TWN: 09S
					RNG: 33E
		1650 FSL			1980 FEL
		BH LOC:	UL: J	SEC: 36	TWN: 09S
					RNG: 33E
		1650 FSL			1980 FEL
		TD 12110	PBD	KB	DF
			GL		
Rustler	2080	POOL MISSISSIPPIAN DRY			PERFS 11923-12039 DRY
T. Salt	2180				Open Hole
B. Salt	2530	POOL MORROW DRY			PERFS 11779-11786 DRY
Yates	2684				Open Hole
		POOL ATOKA DRY			PERFS 11271-11417 DRY
					Open Hole
		POOL X-4 RANCH;STRAWN, NORTHWEST			PERFS 11036-11050
					Open Hole
San Andres	3922				
		Casing Record			
		SIZE	DEPTH	CMT	HOLE SIZE
		SURF. 13.375	429	420 sxs	17.5
		INT1 9.625	3973	1450 sxs	12.25
		PROD 5.5	12110	2370 sxs	8.75
		TOC			
		SURF. 0' CIRC			
		INT1 0' CIRC			
		PROD 0' CIRC			
Glorieta	5274				
		Spud Date 01/04/2006			
		Comp Date 04/26/2006			
		TA DATE 09/24/2009			
		TA EXPIRE 11/09/2014			
Tubb	6822				
Abo	7668				
Wolfcamp	8938				
Strawn	10650				
		CIBP @ 10950			
		PERFS 11036-11050			
Atoka	11265				
		CIBP @ 11250 CAP W/ 35' cmnt			
		PERFS 11271-11417			
Morrow	11658				
		PLUG @ 11750 CAP W/ 10' cmnt			
		PERFS 11739-11786			
Miss	11887				
		PLUG @ 11910			
		PERFS 11923-12039			
		5 1/2 @ 12110'			
		TOC @ 0'			
		TD 12440			
		PREPARED BY: EDDIE SEAY		UPDATED 06/03/12	

WELLBORE SCHEMATIC AND HISTORY

COMPLETION SCHEMATIC		O-A
FORM	DEPTH	
		APINUM: 30-025-31060 OPERATOR: DWIGHT A TIPTON LEASENAME: SUNRAY A 6822 LTD WELL NO.: 2 SURF LOC: UL: K SEC: 36 TWN: 09S RNG: 33E BH LOC: UL: K SEC: 36 TWN: 09S RNG: 33E TD: 4756 PBD: KB DF: GL POOL: LANE;SAN ANDRES PERFS: 4620-4650 Open Hole: None POOL: PERFS: Open Hole:
	13 3/8 @ 510' TOC 0'	5 1/2 TOC @ 950'
Rustler	2070	
T. Salt	2130	
B. Salt	2515	
Yates	2677	
San Andres	3910	
		PERFS 4620-4650 TD 4756
Glorieta est 5340	5 1/2 @ 4756' TOC @ 950'	

	SIZE	DEPTH	CMT	HOLE SIZE	TOC
SURF.	8.625	510	300 sxs	12.25	0' CIRC
PROD	5 1/2	4756	800 sxs	7 7/8	950'

Spud Date 12/18/1990
Comp Date 01/08/1991

PREPARED BY:	EDDIE SEAY	UPDATED	06/03/12
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WELLBORE SCHEMATIC AND HISTORY

COMPLETION SCHEMATIC		O-P	APINUM: 30-025-00970
FORM	DEPTH		OPERATOR: LEGACY RESERVES OPERATING LP
			LEASENAME: SUNRAY A 682 LTD
			WELL NO. 1
			SURF LOC: UL: N SEC: 36 TWN: 09S RNG: 33E
			660 FSL 1980 FWL
			BH LOC: UL: N SEC: 36 TWN: 09S RNG: 33E
			660 FSL 1980 FWL
			TD 12569 PBD KB DF
			GL
			POOL VADA; UPPER PENN PERFS 9802-9810 SQZ
			PERFS 9783-9800
			POOL LANE; WOLFCAMP PERFS 9647-9660 SQZ
			PERFS 4642-4654
			POOL LANE; SAN ANDRES

CASING RECORD					
	SIZE	DEPTH	CMT	HOLE SIZE	TOC
SURF.	13.375	334	325 SXS	18	0' CIRC
INT1	9 5/8	3992	1400 SXS	12.25	0' CIRC
PROD	7	9849	500 SXS	8.75	UNK
LINER	4.5	9447-UNK	350 SXS	6.125	10850

FORMATION	DEPTH	COMPLETION SCHEMATIC
Rustler	2075	
T. Salt	2170	
B. Salt	2515	
Yates	2670	
San Andres	3910	
Glorieta	5374	
Tubb	6805	
Abo	7670	
Wolfcamp	8828	
Penn	9622	

SPUD: 04/17/1956

COMP: 07/29/1956

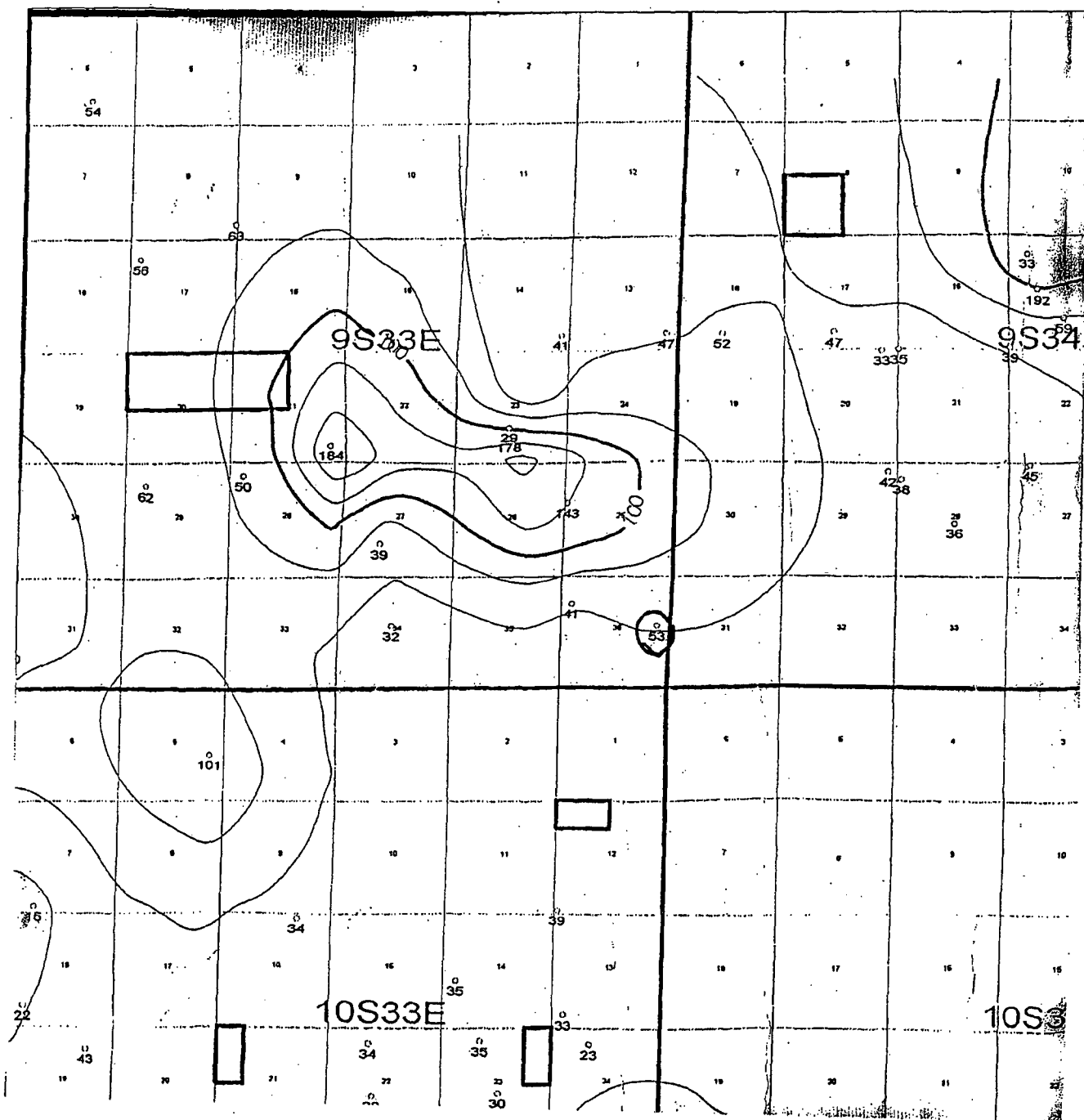
DEEPEN: 12/75

WELLBORE SCHEMATIC AND HISTORY

[illegible]

Produced Waters

<u>POOL</u>	<u>CHLORIDES</u>
Dean Permo. Pennsylvanian	44,730
Dean Devonian	19,525
Denton Wolfcamp	37,275
Denton Devonian	37,062
South Denton Wolfcamp	54,315
South Denton Devonian	34,080
Medicine Rock Devonian	39,760
Little Lucky Lake Devonian	23,288
Wantz Abo	132,770
Crosby Devonian	58,220
Scarborough Yates Seven Rivers	3,443 (Reef)
Teague Simpson	114,665
Teague Ellenburger	120,845
Rhodes Yates Seven Rivers	144,485
House Drinkard	55,365
House Drinkard	49,700
South Leonard Queen	115,375
Elliott Abo	55,380
Scharb Bone Springs	30,601
EK Queen	41,890
East EK Queen	179,630
Maljamar Crayburg San Antonio	55,365
Maljamar Paddock	115,375
Maljamar Devonian	25,418
Salt Lake Yates	6,781 (Reef)
Teas Yates Seven Rivers	22,152 (Reef?)



Groundwater Map



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

Analytical Results For:

Eddie Seay Consulting
Eddie Seay
601 W. Illinois
Hobbs NM, 88242
Fax To: (505) 392-6949

Received: 04/27/2011
Reported: 04/29/2011
Project Name: TIPTON SUNRAY
Project Number: TIPTON SWD
Project Location: SECT 36 T. 9 R. 33 LEA COUNTY, NM

Sampling Date: 04/26/2011
Sampling Type: Water
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: TIPTON #1 (H100871-01)

Bicarbonate 310.1M		mg/L	Analyzed By: HM							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Alkalinity, Bicarbonate	327	5.00	04/27/2011	ND	964	96.4	1000	28.6		
Calcium SM3500Ca-D		mg/L	Analyzed By: HM							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Calcium	152	1.60	04/27/2011	ND	52.1	104	50.0	0.00		
Carbonate 310.1M		mg/L	Analyzed By: HM							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Alkalinity, Carbonate	<0.00	0.00	04/27/2011	ND	ND		0.00			
Chloride, SM4500Cl-B		mg/L	Analyzed By: HM							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	220	4.00	04/27/2011	ND	112	112	100	3.64		
Conductivity 120.1		uS/cm	Analyzed By: HM							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Conductivity	1320	1.00	04/28/2011	ND	1420	101	1410	0.00		
Magnesium SM3500MgE		mg/L	Analyzed By: HM							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Magnesium	21.9	1.00	04/27/2011	ND	51.0	102	50.0	1.16		
pH		pH Units	Analyzed By: HM							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
pH	7.59	0.100	04/28/2011		7.03	100	7.00	0.396		
Potassium 8049		mg/L	Analyzed By: HM							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

DWIGHT A. TIPTON

June 13, 2012

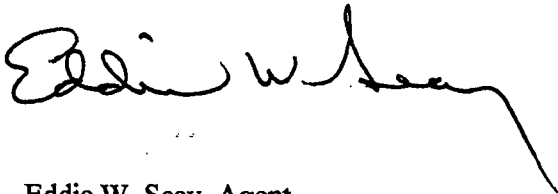
RE: Sunray A #1
Unit O, Sect. 36, Tws. 9 S., Rng. 33 E.
API 30-025-31000

Dear Sir:

In accordance with the Rules and Regulations of the Oil Conservation Division of the State of New Mexico, you are being provided a copy of the C-108, Application for Authorization to Inject into the above captioned well.

Any questions about the permit can be directed to Eddie W. Seay, (575)392-2236. Any objections or request for hearing must be filed with the Oil Conservation Division within fifteen (15) days from the date received. The OCD address is 1220 S. Saint Francis Drive, Santa Fe, NM 87504, (505)476-3440.

Thank you,

A handwritten signature in black ink, appearing to read "Eddie W. Seay", with a long, sweeping underline that extends to the right.

Eddie W. Seay, Agent
Eddie Seay Consulting
601 W. Illinois
Hobbs, NM 88242
(575)392-2236
seay04@leaco.net

OFFSET OPERATORS

Legacy Reserves Operating, LP
Box 10848
Midland, TX 79702

SURFACE OWNER

State Land Office
310 Old Santa Fe Trail
Box 1148
Santa Fe, NM 87504-1148

MINERAL OWNER

State of New Mexico
310 Old Santa Fe Trail
Box 1148
Santa Fe, NM 87504-1148

OFFSET MINERAL OWNER

BLM - U.S.
620 E. Green St.
Carlsbad, NM 88220

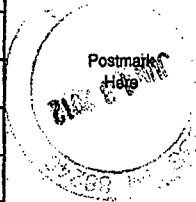
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PS Form 3800, August 2006 See Reverse for Instructions

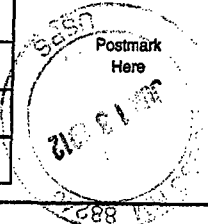
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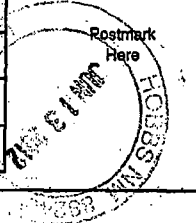
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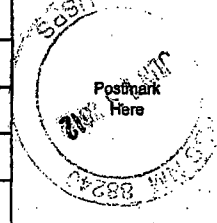
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PS Form 3800, August 2006 See Reverse for Instructions

LEGAL NOTICE

Pursuant to the rules and regulations of the Oil Conservation Division of the State of New Mexico, Dwight A. Tipton, Box 1025, Lovington, NM 88260, is filing a C-108, Application for Salt Water Disposal. The well being applied for is the Sunray A #1, API 30-025-31000, located in Unit O, Section 36, Township 9 South, Range 33 East, Lea Co., NM. The injection formation is the Lower San Andres from 4630' to 5000' below surface. Expected maximum injection rate is 1000 bpd., and the expected maximum injection pressure is 800 psi or what the OCD allows. Any questions about the application can be directed to Eddie W. Seay, (575)392-2236, or any objection or request for hearing must be directed to the Oil Conservation Division, (505)476-3440, 1220 South Saint Francis Drive, Santa Fe, NM 87504, within fifteen (15) days.

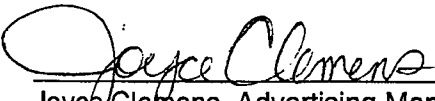
Affidavit of Publication

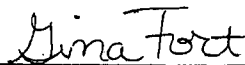
STATE OF NEW MEXICO)
) ss.
COUNTY OF LEA)

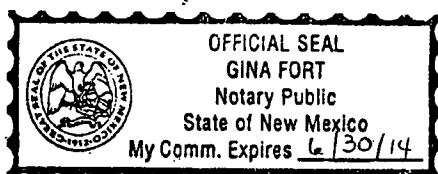
Joyce Clemens being first duly sworn on oath deposes and says that she is Advertising Director of THE LOVINGTON LEADER, a thrice a week newspaper of general paid circulation published in the English language at Lovington, Lea County, New Mexico; that said newspaper has been so published in such county continuously and uninterruptedly for a period in excess of Twenty-six (26) consecutive weeks next prior to the first publication of the notice hereto attached as hereinafter shown; and that said newspaper is in all things duly qualified to publish legal notices within the meaning of Chapter 167 of the 1937 Session Laws of the State of New Mexico.

That the notice which is hereto attached, entitled Legal Notice was published in a regular and entire issue of THE LOVINGTON LEADER and not in any supplement thereof, for one (1) day(s), beginning with the issue of June 14, 2012 and ending with the issue of June 14, 2012.

And that the cost of publishing said notice is the sum of \$ 26.26 which sum has been (Paid) as Court Costs.


Joyce Clemens, Advertising Manager
Subscribed and sworn to before me this 14th day of June, 2012.


Gina Fort
Notary Public, Lea County, New Mexico
My Commission Expires June 30, 2014



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Published in the Lovington Leader, June 14, 2012.