

DATE IN <u>4.26.12</u>	SUSPENSE	ENGINEER <u>WVS</u>	LOGGED IN <u>4.26.12</u>	TYPE <u>SIND</u>	APP NO. <u>1211757491</u>
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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



Judah

Oxy Der Slawin Fed #
30-015-33180

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 _____

29-175-31E

[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

77621-9362
1550PST

[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.

<u>Billy E. Prichard</u>	<u><i>Billy E. Prichard</i></u>	<u>Agent for Judah Oil, LLC</u>	<u>4/23/12</u>
Print or Type Name	Signature	Title	Date
		<u>billy@pwllc.net</u>	
		e-mail Address	

APPLICATION FOR AUTHORIZATION TO INJECT

- I. PURPOSE: _____ Secondary Recovery _____ Pressure Maintenance _____ ☒ Disposal _____ Storage
Application qualifies for administrative approval? _____ ☒ Yes _____ No
- II. OPERATOR: **Judah Oil, L.L.C.** Ogrid # **245872**
ADDRESS: **PO Box 568 Artesia, NM 88210**
CONTACT PARTY: **Billy E. Prichard** PHONE: **432-934-7680**
- 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 _____ ☒ 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: **Billy(Bill) E. Prichard**

TITLE: **Agent for Judah Oil, L.L.C**

SIGNATURE: _____

DATE: _____

Billy E. Prichard

4/23/12

E-MAIL ADDRESS: **billy@pwllc.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: _____

Judah Oil,L.L.C.
Oxy Doc Slawin Federal # 001
API # 30-015-33180
SL 460 FSL x 640 FWL
BHL 691 FSL x 690 FWL
Section 29,T17S,R31E
Eddy County, NM

C108 (Application for Authorization to Inject)

I.

The purpose of this application is to seek administrative approval for the conversion of the Oxy Doc Slawin Federal # 001, API # 30-015-33180 from a plugged and abandoned Morrow gas well to a Bone Springs/Wolfcamp commercial salt water disposal well.

II.

Operator: Judah Oil, L.L.C. Ogrid # 245872
PO Box 568 Artesia, NM 88210
Billy(Bill)E.Prichard 432-934-7680 email; billy@pwllc.net

III.

Please see Exhibit "A" for complete well data

IV.

This is not an expansion of an existing project.

V.

Please see Exhibit "B" for map

VI.

Please see Exhibit "C" for Area of Review data
17 wells were identified with in the 0.5 mile area of review, none of the wells penetrate the proposed disposal interval.

VII.

1.

Anticipated average disposal rate of 8000 BWPD with a maximum disposal rate of 15000 BWPD

2.

The system will be open.

3.

Anticipated average injection pressure of 700 psig with a maximum injection pressure of 1550 psig

4.

Produced water will be trucked into the disposal well from numerous leases located in southeast New Mexico

5.

Please see Exhibit "D" for analysis of produced water in the area of the proposed disposal well.

VIII.

Please see Exhibit "E" for geological data

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Eddy County, NM

C108 (Application for Authorization to Inject)

IX.

No stimulation is planned unless rates and pressures dictate need.

X.

Logs and test data submitted by previous operator.

XI.

There were "NO" fresh water wells identified with in the 1.0 mile area of review.

XII.

Available geological data has been examined and shows no evidence of open faults or any hydrological connection between the proposed disposal zone and underground sources of drinking water.

XIII.

Please see Exhibit "F" for Proof of Notice and Proof of Publication.

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API # 30-015-33180
SL 460 FSL x 640 FWL
BHL 691 FSL x 690 FWL
Section 29,T17S,R31E
Eddy County, NM
Well Data**

Well spudded 3/16/2004 as Morrow test.

16" 65# J55 Buttress casing set at 422 feet in 20"hole. Cemented with 250 sacks of Halliburton Lite cement followed by 200 sacks of Class "C" cement. Cement circulated to surface.

11 3/4" 42# H40 ST&C casing set at 1645 feet in 14 3/4"hole. Cemented with 550 sacks of Halliburton Lite cement followed by 200 sacks of Class "C" cement. Cement circulated to surface.

8 5/8" 32# J55 Buttress casing set at 4256 feet in 11"hole. Cemented with 670 sacks on Interfil cement followed by 200 sacks of Class "C" cement. Cement circulated to surface.

5 1/2" 17# S95/P110 casing set at 11797 feet in 7 7/8"hole. DV Tool at 8992 feet. Cemented in 2 stages

Stage 1 – 400 sacks of Super H cement. 25 sacks circulated above DV Tool.

Stage 2 – 170 sacks of Interfil cement followed by 600 sacks of Super H cement

Top of cement at 3800 feet by temperature survey.

Morrow perforations

11422-11502 feet Production tested as non-commercial

11585-11588 feet Production tested as non-commercial

Cast iron bridge plug set at 11375 feet capped with 35 feet of cement.

Wolfcamp perforations

9356-9360 feet Production tested as non-commercial

Cast iron bridge plug set at 9310 feet capped with 35 feet of cement.

Bone Springs perforations

7762-8128 feet Production tested as non-commercial

8275-8385 feet Production tested as non-commercial

Cast iron bridge plug set at 7706 feet.

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Section 29,T17S,R31E
Eddy County, NM
Well Data**

Bone Springs perforations

5624-5640 feet

**Cement retainer set at 5584 feet. Perforations squeezed with 72 sacks of cement.
6 sacks of cement on top of retainer.**

Well was plugged and abandoned July and August of 2004 as follows;

Mud laden fluid from PBTD of 5515 feet to 4315 feet.

25 sack cement plug from 4315-4115 feet. Tagged

Cut and pulled 5 ½" from 3000 feet.

50 sack cement plug across casing stub from 3070-2876 feet.

100 sack cement plug from 1695-1470 feet.

50 sack cement plug from 472-309 feet.

10 sack cement plug from 60 feet to surface.

Rustler – 430 feet

Salado – 660 feet

Yates – 1737 feet

Seven Rivers – 2086 feet

Bowers Sand – 2508 feet

Queen – 2740 feet

Grayburg – 3240 feet

San Andres – 3590 feet

Bone Springs – 5000 feet

Wolfcamp – 8944 feet

Pennsylvanian – 10042 feet

Strawn – 10647 feet

Atoka – 10895 feet

Morrow Limestone – 11240 feet

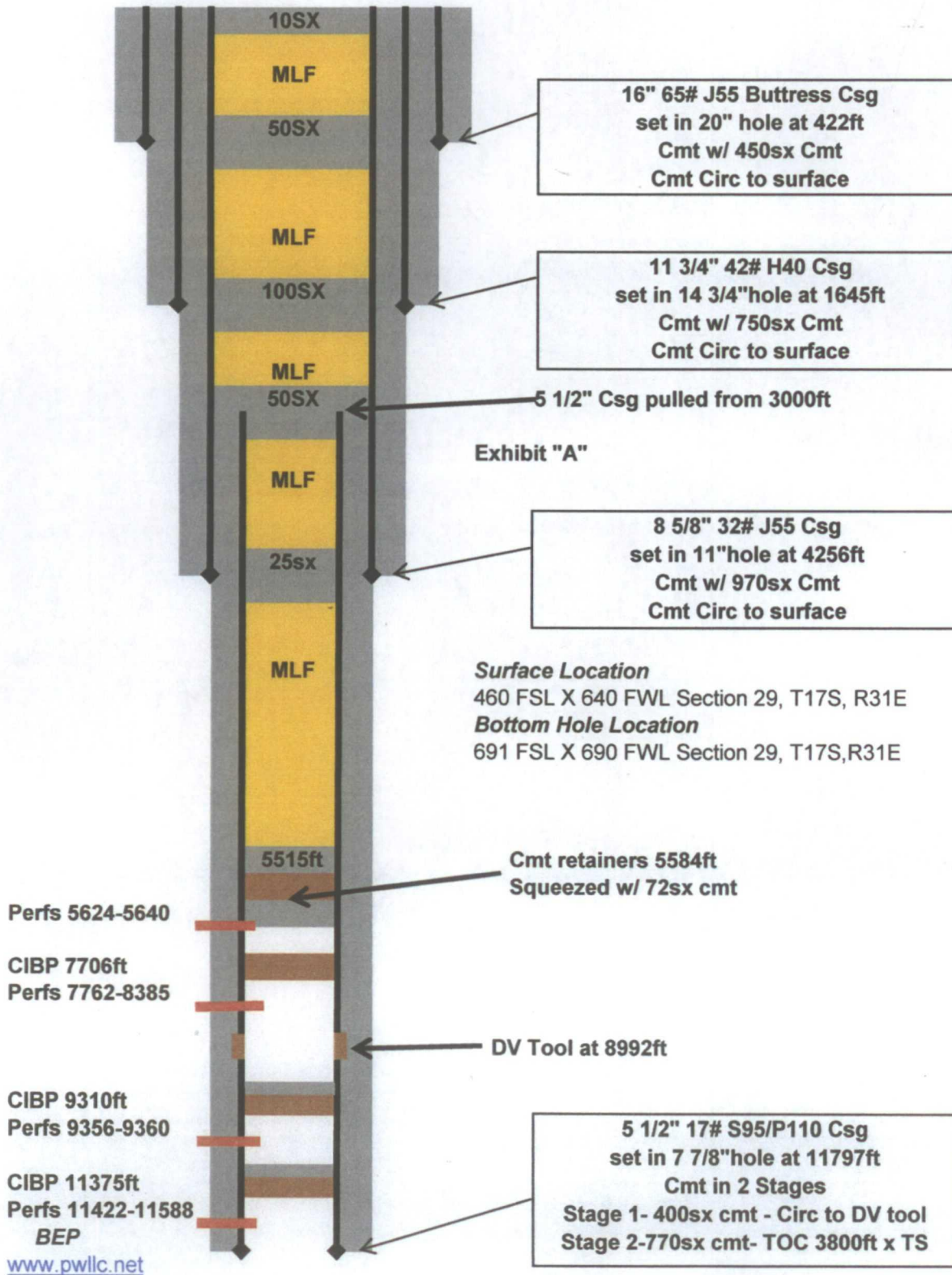
Morrow Clastics – 11376 feet

Chester – 11614 feet.

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Section 29,T17S,R31E
Eddy County, NM
Well Data

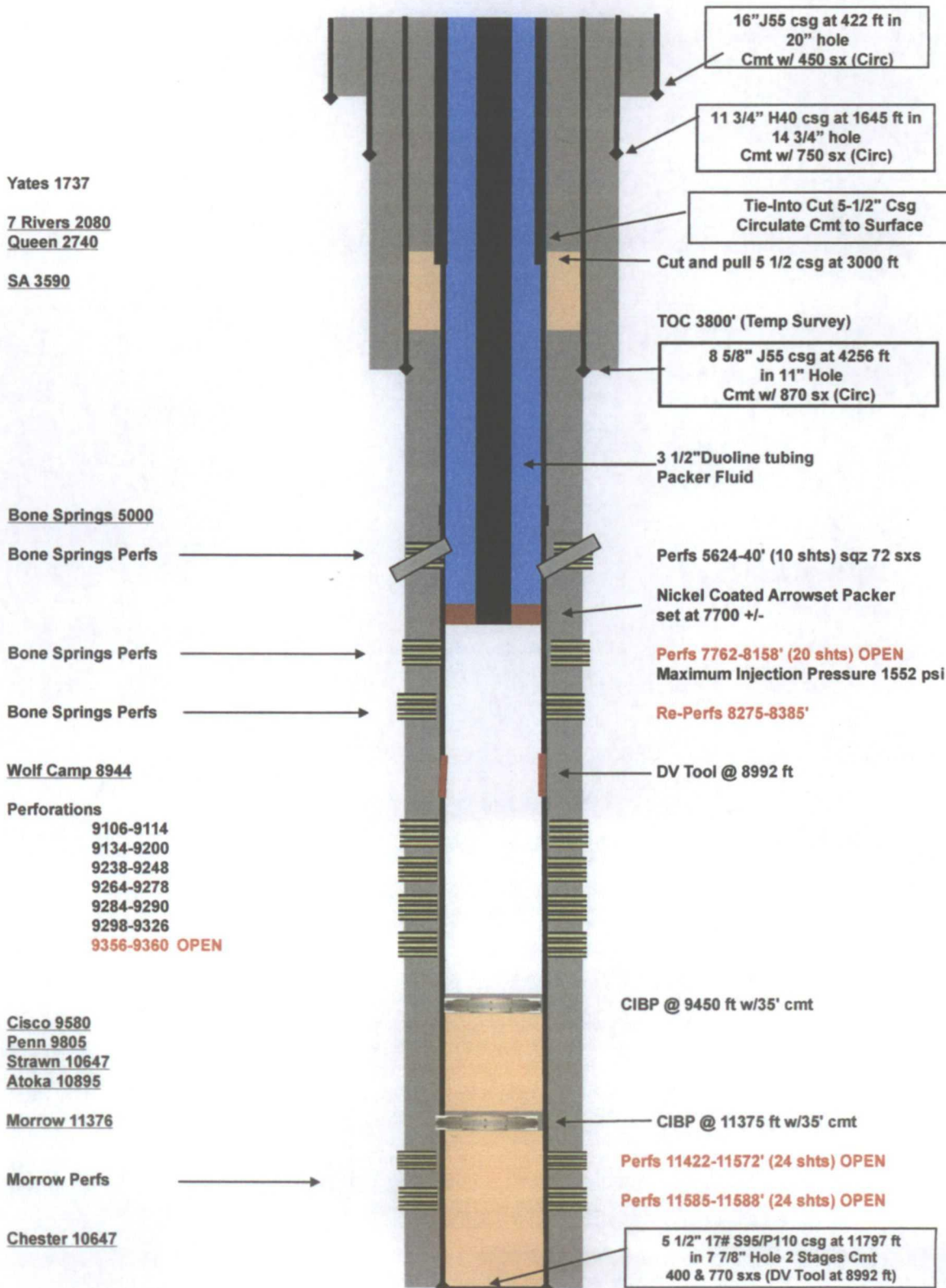
On NMOCD approval of C108 and BLM approval of 3160-3, Judah will re-enter the Oxy Doc Slawin Federal #1 and drill out cement plugs to the top of the 5 ½" casing at 3000 feet. 5 ½" casing will be run and tied back and cement circulated to the surface. The remaining cement plugs and cement retainer and cast iron bridge plug will be drilled out to a depth of 9450 feet where at cast iron bridge plug will set and capped with 35 feet of cement. The proposed Wolfcamp perforations 9106-9326 feet will be perforated and swab tested for commercial oil and gas production. Results of this Wolfcamp production test will be reported to the NMOCD and the BLM prior to converting the well to salt water disposal.

Oxy Doc Slawin Federal # 1
 API# 30-015-33180
 Current
 Prior to Conversion to SWD



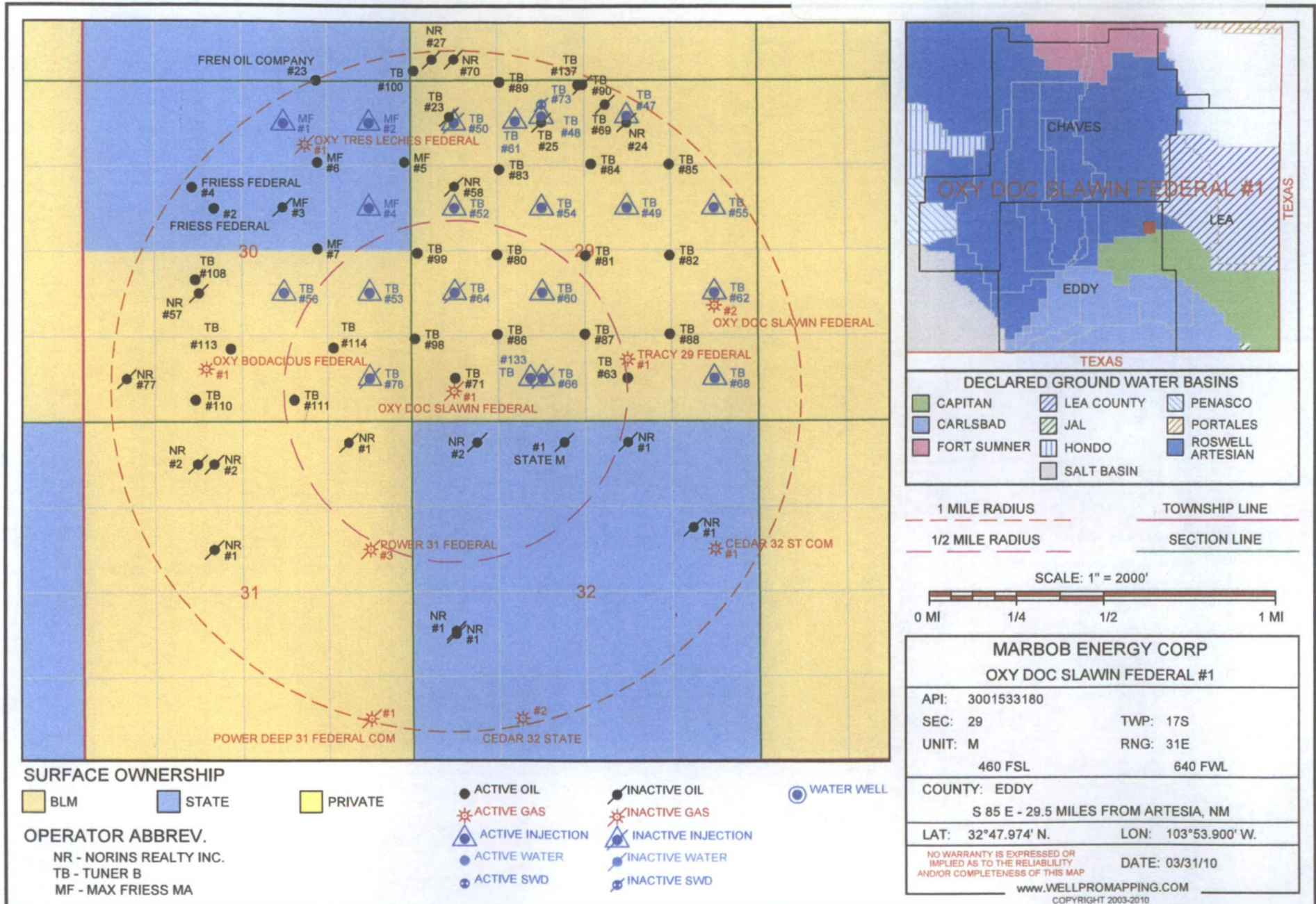
Drawing not to scale

Judah Oil, LLC
 Oxy Doc Slawin Fed No 1
 API # 30-015-33180
 460 FSL X 640 FWL
 Unit Letter "M", Section 29, T17S, R31E
 Eddy County, New Mexico
 Spud 03/16/2004 as Morrow Test
 Plugged and Abandoned 08/06/2004
Proposed Wellbore



Drawing not to scale

Exhibit "B"



Judah Oil
Wells with in AOR
Oxy Doc Slawin Fed # 1

RAD	API	OPER	LEASE	WELL	T	S	TWN	RNG	SEC	UNT	TVD	
	3001533180	MARBOB	OXY DOC SLAWIN FEDERAL	#1	G	P	17S	31E	29	M	11800	
1	201	3001505454	LINN	TURNER B	#71	O	A	17S	31E	29	M	3672
2	866	3001505488	JB&A	NORINS REALTY INC	#2	O	P	17S	31E	32	D	3654
3	1002	3001526620	LINN	TURNER B	#98	O	A	17S	31E	29	M	3750
4	1102	3001526392	LINN	TURNER B	#86	O	A	17S	31E	29	L	3730
5	1182	3001529649	LINN	TURNER B	#133	I	A	17S	31E	29	N	3953
6	1321	3001505475	LINN	TURNER B	#76	I	U	17S	31E	30	P	3597
7	1361	3001504902	AVON	TURNER B	#66	I	P	17S	31E	29	N	3706
8	1521	3001505451	DEVON	TURNER B	#64	I	P	17S	31E	29	L	3576
9	1817	3001505481	MCCLELL	NORINS REALTY INC	#1	O	P	17S	31E	31	A	3599
10	1857	3001505489	ME-TEX	STATE M	#1	O	P	17S	31E	32	C	3704
11	1987	3001529187	LINN	TURNER B	#114	O	A	17S	31E	30	P	3738
12	2004	3001505472	LINN	TURNER B	#53	I	A	17S	31E	30	I	3524
13	2029	3001505447	LINN	TURNER B	#60	I	A	17S	31E	29	K	3626
14	2178	3001526387	LINN	TURNER B	#87	O	A	17S	31E	29	K	3727
15	2198	3001526621	LINN	TURNER B	#99	O	A	17S	31E	29	L	3690
16	2209	3001526388	LINN	TURNER B	#80	O	A	17S	31E	29	L	3600
17	2480	3001529530	LINN	TURNER B	#111	O	A	17S	31E	30	O	3795
18	2657	3001505450	LINN	TURNER B	#63	O	A	17S	31E	29	O	
19	2691	3001528142	YESCO	TRACY 29 FEDERAL	#1	S	A	17S	31E	29	O	11857
20	2764	3001531806	DEVON	POWER 31 FEDERAL	#3	G	P	17S	31E	31	H	11875
21	2766	3001505484	ARCO	NORINS REALTY INC	#1	O	P	17S	31E	32	B	
22	2831	3001505442	LINN	TURNER B	#52	I	A	17S	31E	29	E	
23	2894	3001526389	LINN	TURNER B	#81	O	A	17S	31E	29	J	
24	3042	3001505473	LINN	TURNER B	#56	I	A	17S	31E	30	J	3527
25	3051	3001526883	LINN	MAX FRIESS MA	#7	O	A	17S	31E	30	G	3740
26	3121	3001505471	LINN	MAX FRIESS MA	#4	I	A	17S	31E	30	H	3602
27	3133	3001505443	LINN	TURNER B	#54	I	A	17S	31E	29	F	
28	3162	3001505445	ARCO	NORINS REALTY INC	#58	O	P	17S	31E	29	E	
29	3410	3001526571	LINN	TURNER B	#88	O	A	17S	31E	29	J	
30	3497	3001526390	LINN	TURNER B	#83	O	A	17S	31E	29	F	
31	3518	3001529573	LINN	TURNER B	#113	O	A	17S	31E	30	N	3835
32	3619	3001526656	LINN	MAX FRIESS MA	#5	O	A	17S	31E	30	A	
33	3700	3001525053	HEYCO	NORINS REALTY INC	#1	O	P	17S	31E	32	L	
34	3751	3001505485	HANSON	NORINS REALTY INC	#1	O	P	17S	31E	32	I	

Exhibit "C"

COG operating
 BISCUIT HILLS
 SWDA 1
 SWD, W.S.
 (SWD-1118)
 4/24/08
 8327-9470

Judah Oil
Wells with in AOR
Oxy Doc Slawin Fed # 1

	RAD	API	OPER	LEASE	WELL	T	S	TWN	RNG	SEC	UNT	TVD
35	3844	3001533849	OXY	OXY BODACIOUS FEDERAL	#1	G	A	17S	31E	30	N	11749
36	3873	3001505480	SCHUSTE	NORINS REALTY INC	#2	O	P	17S	31E	31	C	
37	3875	3001505436	LINN	TURNER B	#49	I	A	17S	31E	29	G	
38	3889	3001505470	DEVON	MAX FRIESS MA	#3	O	U	17S	31E	30	G	
39	3901	3001526385	LINN	TURNER B	#82	O	A	17S	31E	29	J	
40	3978	3001505452	LINN	TURNER B	#68	I	A	17S	31E	29	P	
41	3991	3001529572	LINN	TURNER B	#110	O	A	17S	31E	30	N	3824
42	4085	3001526391	LINN	TURNER B	#84	O	A	17S	31E	29	B	
43	4111	3001505479	ENGLISH	NORINS REALTY INC.	#2	O	P	17S	31E	31	C	
44	4126	3001526882	LINN	MAX FRIESS MA	#6	O	A	17S	31E	30	B	3937
45	4151	3001505437	LINN	TURNER B	#50	I	P	17S	31E	29	D	
46	4185	3001532585	OXY	OXY DOC SLAWIN FEDERAL	#2	G	A	17S	31E	29	I	11880
47	4215	3001505482	A&H	NORINS REALTY INC	#1	O	P	17S	31E	32	H	
48	4217	3001505474	ARCO	NORINS REALTY INC	#57	O	P	17S	31E	30	K	
49	4246	3001505438	LINN	TURNER B	#23	O	T	17S	31E	29	D	2102
50	4253	3001505449	LINN	TURNER B	#62	I	A	17S	31E	29	I	
51	4280	3001505448	LINN	TURNER B	#61	I	A	17S	31E	29	J	3550
52	4348	3001528984	LINN	TURNER B	#108	O	A	17S	31E	30	K	3870
53	4355	3001505469	LINN	MAX FRIESS MA	#2	I	A	17S	31E	30	A	
54	4364	3001505434	LINN	TURNER B	#25	O	T	17S	31E	29	C	2163
55	4440	3001505478	HANSON	NORINS REALTY INC	#1	O	P	17S	31E	31	J	
56	4457	3001505458	LINN	TURNER B	#48	I	A	17S	31E	29	C	
57	4463	3001533850	OXY	OXY TRES LECHES FEDERAL	#1	G	P	17S	31E	30	B	
58	4631	3001505455	MARBOB	TURNER B	#73	S	P	17S	31E	29	C	
59	4663	3001505466	G PLEMOI	FRIESS FEDERAL	#2	O	A	17S	31E	30	F	
60	4667	3001527929	HEYCO	CEDAR 32 ST COM	#1	G	A	17S	31E	32	H	11900
61	4808	3001526386	LINN	TURNER B	#85	O	A	17S	31E	29	B	
62	4835	3001526595	LINN	TURNER B	#89	O	A	17S	31E	29	C	
63	4877	3001505444	LINN	TURNER B	#55	I	A	17S	31E	29	H	
64	4919	3001505459	LINN	MAX FRIESS MA	#1	I	A	17S	31E	30	B	3439
65	4921	3001505433	ARCO	NORINS REALTY INC	#24	O	P	17S	31E	29	B	
66	4998	3001505453	MARBOB	TURNER B	#69	O	P	17S	31E	29	B	
67	5000	3001526617	LINN	TURNER B	#100	O	A	17S	31E	20	M	
68	5007	3001505435	LINN	TURNER B	#47	I	A	17S	31E	29	B	
69	5037	3001505476	ARCO	NORINS REALTY INC	#77	O	P	17S	31E	30	M	
70	5103	3001529954	LINN	TURNER B	#137	O	A	17S	31E	29	B	3650

Exhibit "C"

Judah Oil
Wells with in AOR
Oxy Doc Slawin Fed # 1

	RAD	API	OPER	NAME	#	T	S	TWN	RNG	SEC	UNT	
71	5126	3001505465	G PLEMOI	FRIESS FEDERAL	#4	O	A	17S	31E	30	F	
72	5131	3001526606	DEVON	TURNER B	#90	O	P	17S	31E	29	C	
73	5141	3001505301	ARCO	NORINS REALTY INC	#70	O	P	17S	31E	20	M	
74	5151	3001505295	ARCO	NORINS REALTY INC	#27	O	P	17S	31E	20	M	
75	5176	3001531808	HEYCO	CEDAR 32 STATE	#2	G	A	17S	31E	32	N	11950
76	5232	3001531572	HEYCO	POWER DEEP 31 FEDERAL COM	#1	G	P	17S	31E	31	P	11832
77	5272	3001528822	LINN	FREN OIL COMPANY	#23	O	A	17S	31E	19	O	3735

Exhibit "C"

Typical Analysis of Bone Springs Produced Water

General Information About: Sample 2951			
PATON B FEDERAL 004			
API	3001530836	Sample Number	
Unit/Section/ Township/Range	M / 09 / 18 S / 31 E	Field	
County	Eddy	Formation	B SPG
State	NM	Depth	
Lat/Long	32.75693 / - 103.88082	Sample Source	
TDS (mg/L)	201712	Water Type	
Sample Date(MM/DD/YYYY)	2/3/2000	Analysis Date(MM/DD/YYYY)	2/9/2000
Remarks/Description			
Cation Information (mg/L)		Anion Information (mg/L)	
Potassium (K)	683.938	Sulfate (SO)	953.644
Sodium (Na)	79231	Chloride (Cl)	139390
Calcium (Ca)	8036.56	Carbonate (CO ₃)	0
Magnesium (Mg)	998.026	Bicarbonate (HCO ₃)	50.072
Barium (Ba)	0.7966	Hydroxide (OH)	
Manganese (Mn)		Hydrogen Sulfide (H ₂ S)	
Strontium (Sr)	147.94	Carbon Dioxide (CO ₂)	
Iron (Fe)	55.762	Oxygen (O)	

Data obtained from <http://octane.nmt.edu>

Exhibit "D"

Typical Analysis of Wolfcamp Produced Water

General Information About: Sample 5272			
ANGELL ST 004			
API	3001502280	Sample Number	
Unit/Section/ Township/Range	G / 21 / 19 S / 28 E	Field	MILLMAN EAST
County	Eddy	Formation	WOLF
State	NM	Depth	
Lat/Long	32.64772 / - 104.17854	Sample Source	WELLHEAD
TDS (mg/L)	118720	Water Type	
Sample Date(MM/DD/YYYY)		Analysis Date(MM/DD/YYYY)	
Remarks/Description			
Cation Information (mg/L)		Anion Information (mg/L)	
Potassium (K)		Sulfate (SO)	1080
Sodium (Na)		Chloride (Cl)	70200
Calcium (Ca)		Carbonate (CO ₃)	
Magnesium (Mg)		Bicarbonate (HCO ₃)	2700
Barium (Ba)		Hydroxide (OH)	
Manganese (Mn)		Hydrogen Sulfide (H ₂ S)	
Strontium (Sr)		Carbon Dioxide (CO ₂)	
Iron (Fe)		Oxygen (O)	

Data obtained from <http://octane.nmt.edu>

Exhibit "D"

Judah Oil, L.L.C.
 Oxy Doc Slawin Federal # 001
 Unit Letter M, Section 29, T17S, R31E
 Eddy County, New Mexico
 Possible pools disposing in Oxy Doc Slawin Federal # 001

Pool	Section	Township	Range	TDS	Chlorides
EMPIRE;ABO	27	17S	28E	224062	135900
ARTESIA;QUEEN-GRAYBURG-SAN ANDRES	28	17S	28E	237482	147300
ARTESIA; GLORIETA-YESO	33	17S	28E	206471	137940
EMPIRE; MORROW, SOUTH	31	17S	29E	35148	19800
EMPIRE; GLORIETA-YESO	19	17S	29E	213384	142829
CROW FLATS;MORROW	3	17S	27E	44318	27242
LOGAN DRAW;MORROW	11	17S	27E	8567	4604
RED LAKE;QUEEN-GRAYBURG-SA	3	18S	37E	217737	146435

Data obtained from
<http://octane.nmt.edu>

Exhibit "D"

BEP

www.pwllc.net

Judah Oil,L.L.C.
Oxy Doc Slawin Federal # 001
API # 30-015-33180
SL 460 FSL x 640 FWL
BHL 691 FSL x 690 FWL
Section 29,T17S,R31E
Eddy County, NM

Geological Data

The Bone Springs is a carbonate formation immediately above the Wolfcamp. The Wolfcamp formation in the Oxy Doc Slawin # 1 is a light to dark gray reefoid limestone of Permian age. Above the Bone Spings is the Glorieta formation and below the Wolfcamp is the Cisco or Canyon formation. The Wolfcamp in the area is usually a zone of lost circulation and is non productive of oil or gas.

There are no known fresh water sources below the Wolfcamp formation

Fresh water is contained in the alluvial fill from the surface to the top of the Red Beds

Exhibit "E"

Legal Notice

Judan Oil, L.L.C. P.O. Box 568, Artesia, New Mexico 88210 has filed form C-108 (Application for Authorization to Inject) with the New Mexico Oil Conservation Division seeking administrative approval for the conversion of the Oxy Doc Slawin Federal #001, API #30-015- 33180, Surface location 460 FSL x 640 FWL, Unit Letter "M", Section 29, Township 17 South, Range 31 East, Bottom Hole location 691 FSL x 690 FWL, Unit Letter "M", Section 29, T17S, R31E, Eddy County, New Mexico from a plugged and abandoned gas well test to a commercial salt water disposal well. This well is located 29.5 miles southeast of Artesia, New Mexico. Disposal formation is the Bone Springs/Wolfcamp through perforations from 7762 feet through 9362 feet. Produced water would be trucked in from numerous producing wells in the area. Anticipated average daily disposal rate would be 8000 barrels of water per day with a maximum disposal rate of 15000 barrels of water per day. Anticipated average injection pressure is 600 psi, with a maximum injection pressure of 1550 psi.

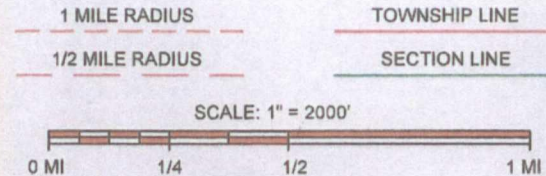
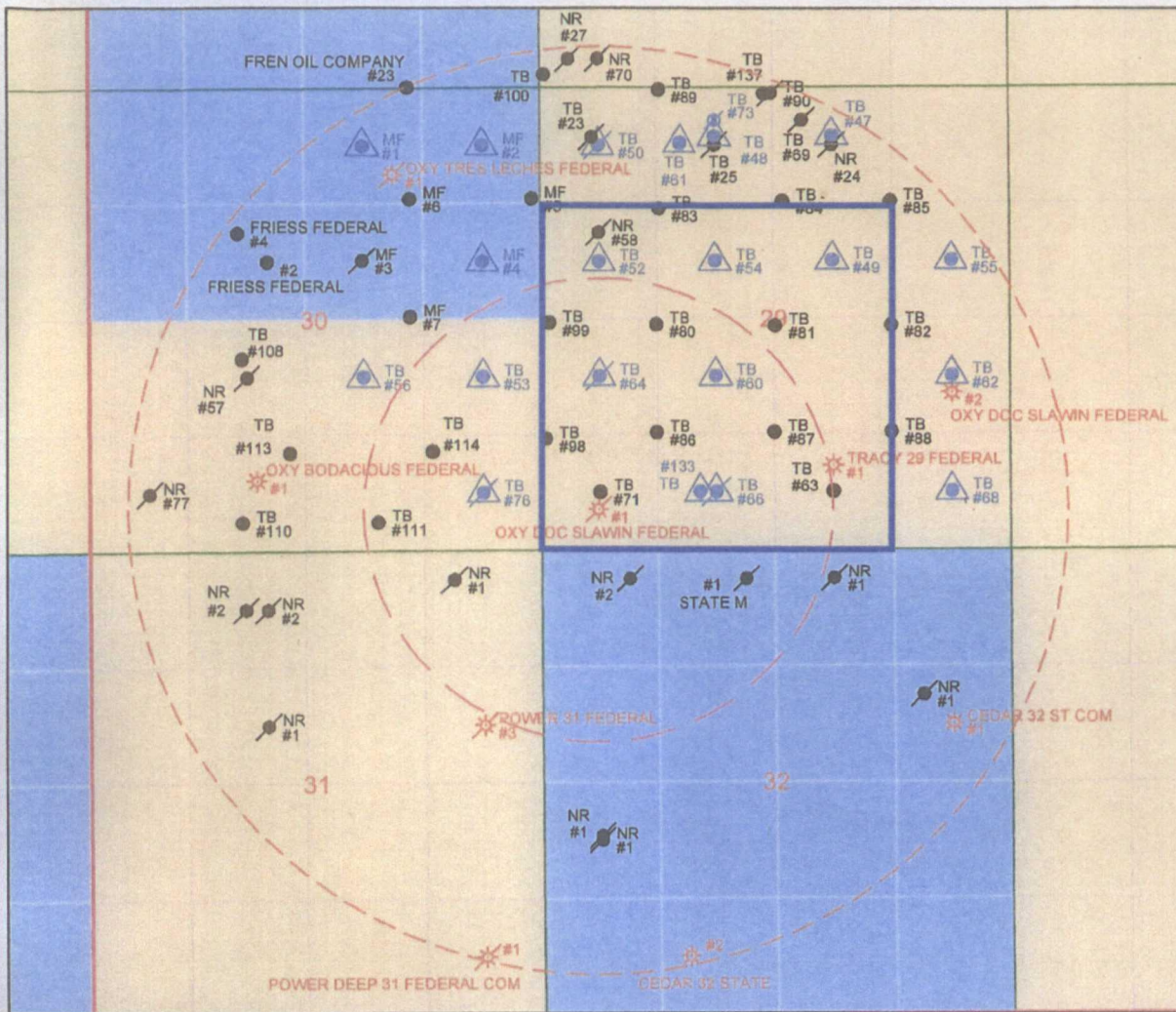
All interested parties opposing the aforementioned must file objections with the New Mexico Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505 within 15 days. Additional information can be obtained by contacting Blaise Campanella 575-748-5488.

Exhibit "F"

Section 29, T17S, R31E
Surface Owner
Bureau of Land Management

Mineral Owner
Bureau of Land Management

Parties of Notification
See List of Notified Parties



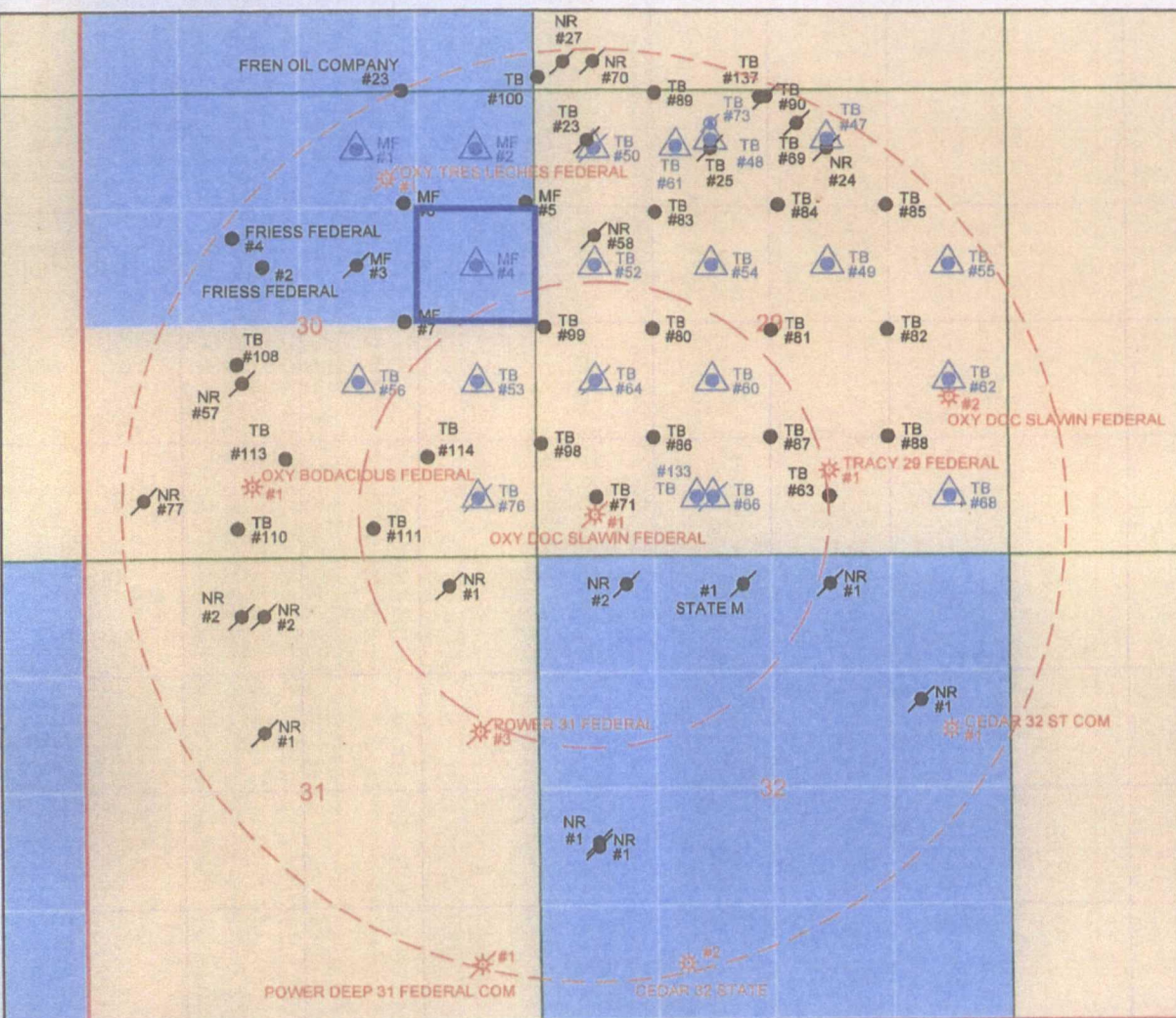
MARBOB ENERGY CORP	
OXY DOC SLAWIN FEDERAL #1	
API: 3001533180	
SEC: 29	TWP: 17S
UNIT: M	RNG: 31E
460 FSL	640 FWL
COUNTY: EDDY	
S 85 E - 29.5 MILES FROM ARTESIA, NM	
LAT: 32°47.974' N.	LON: 103°53.900' W.
NO WARRANTY IS EXPRESSED OR IMPLIED AS TO THE RELIABILITY AND/OR COMPLETENESS OF THIS MAP	
DATE: 03/31/10	
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Exhibit "F"

Unit Letter "H"
Section 30, T17S, R31E

Surface and Mineral Owner
State of New Mexico

Leaseholder
Linn Energy Holdings
600 Travis
Suite 5100
Houston, Texas 77004



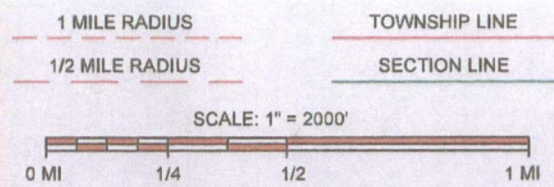
SURFACE OWNERSHIP

BLM STATE PRIVATE

OPERATOR ABBREV.

NR - NORINS REALTY INC.
 TB - TUNER B
 MF - MAX FRIESS MA

● ACTIVE OIL
 ● INACTIVE OIL
 ● ACTIVE GAS
 ● INACTIVE GAS
 ● ACTIVE INJECTION
 ● INACTIVE INJECTION
 ● ACTIVE WATER
 ● INACTIVE WATER
 ● ACTIVE SWD
 ● INACTIVE SWD
 ● WATER WELL



MARBOB ENERGY CORP	
OXY DOC SLAWIN FEDERAL #1	
API: 3001533180	
SEC: 29	TWP: 17S
UNIT: M	RNG: 31E
460 FSL	640 FWL
COUNTY: EDDY	
S 85 E - 29.5 MILES FROM ARTESIA, NM	
LAT: 32°47.974' N.	LON: 103°53.900' W.
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Exhibit "F"

**Leaseholders
Linn Energy Holdings
600 Travis
Suite 5100
Houston, Texas 77004**

SCALE: 1" = 2000'

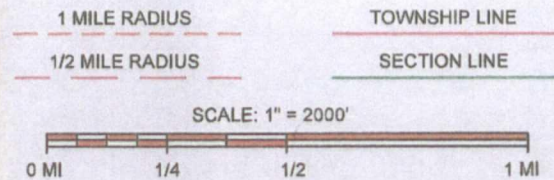
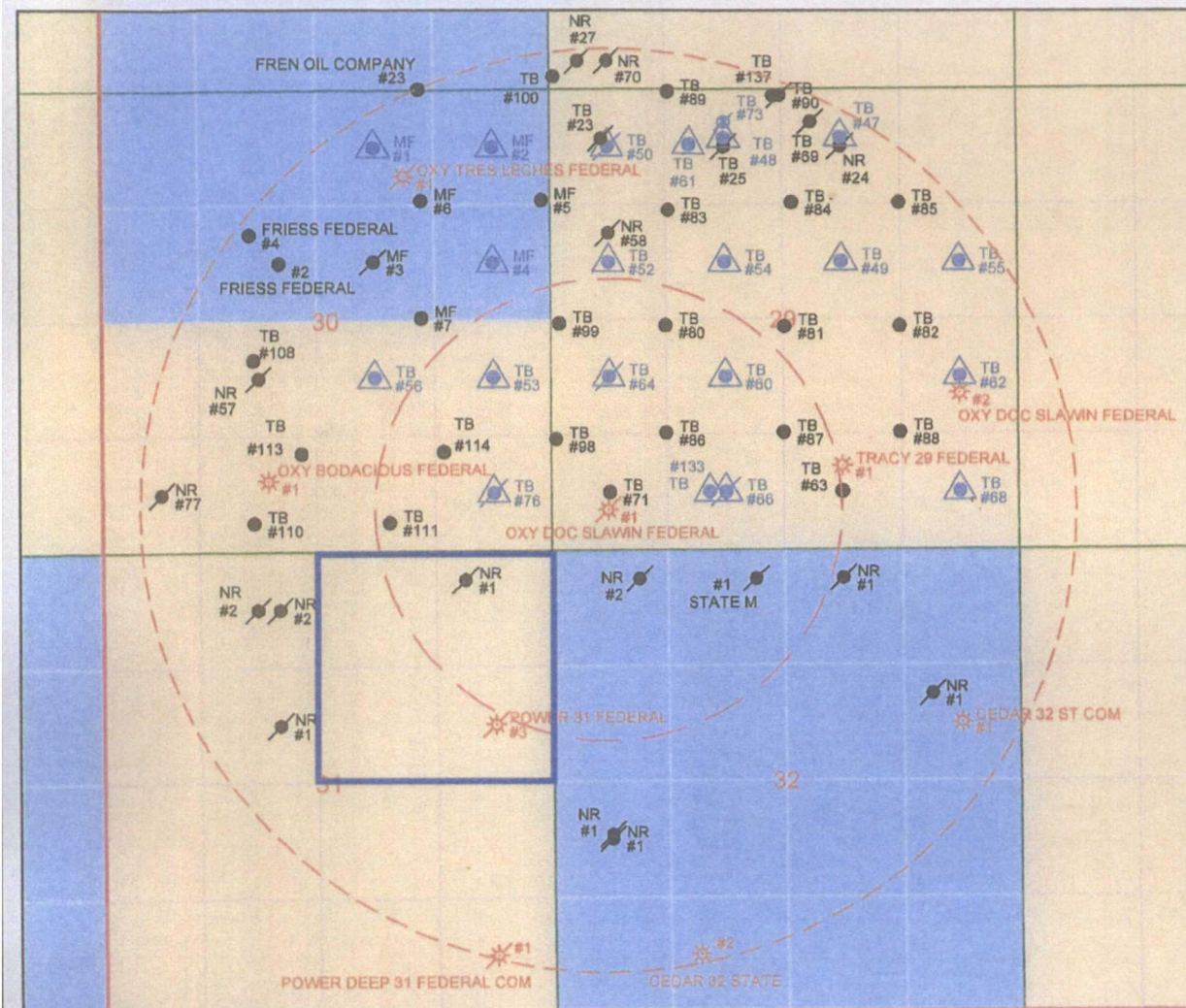
A horizontal graphic scale bar with a black outline. It is divided into four equal segments by three vertical tick marks. Below the bar, the labels '0 MI', '1/4', '1/2', and '1 MI' are positioned at the start, first, second, and end of the segments, respectively. The segments alternate between light blue and light yellow colors.

MARBOB ENERGY CORP OXY DOC SLLAWIN FEDERAL #1	
API: 3001533180 SEC: 29 UNIT: M 460 FSL	TWP: 17S RNG: 31E 640 FWL
COUNTY: EDDY S 85 E - 29.5 MILES FROM ARTESIA, NM	
LAT: 32°47.974' N.	Lon: 103°53.900' W.
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DATE: 03/31/10 www.WELLFROMAPPING.COM	

Exhibit "F"

NE 1/4
Section 31, T17S, R31E
Mineral Owner
Bureau of Land Management

Leaseholders
See List of Notified Parties

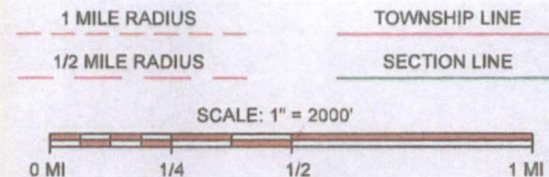
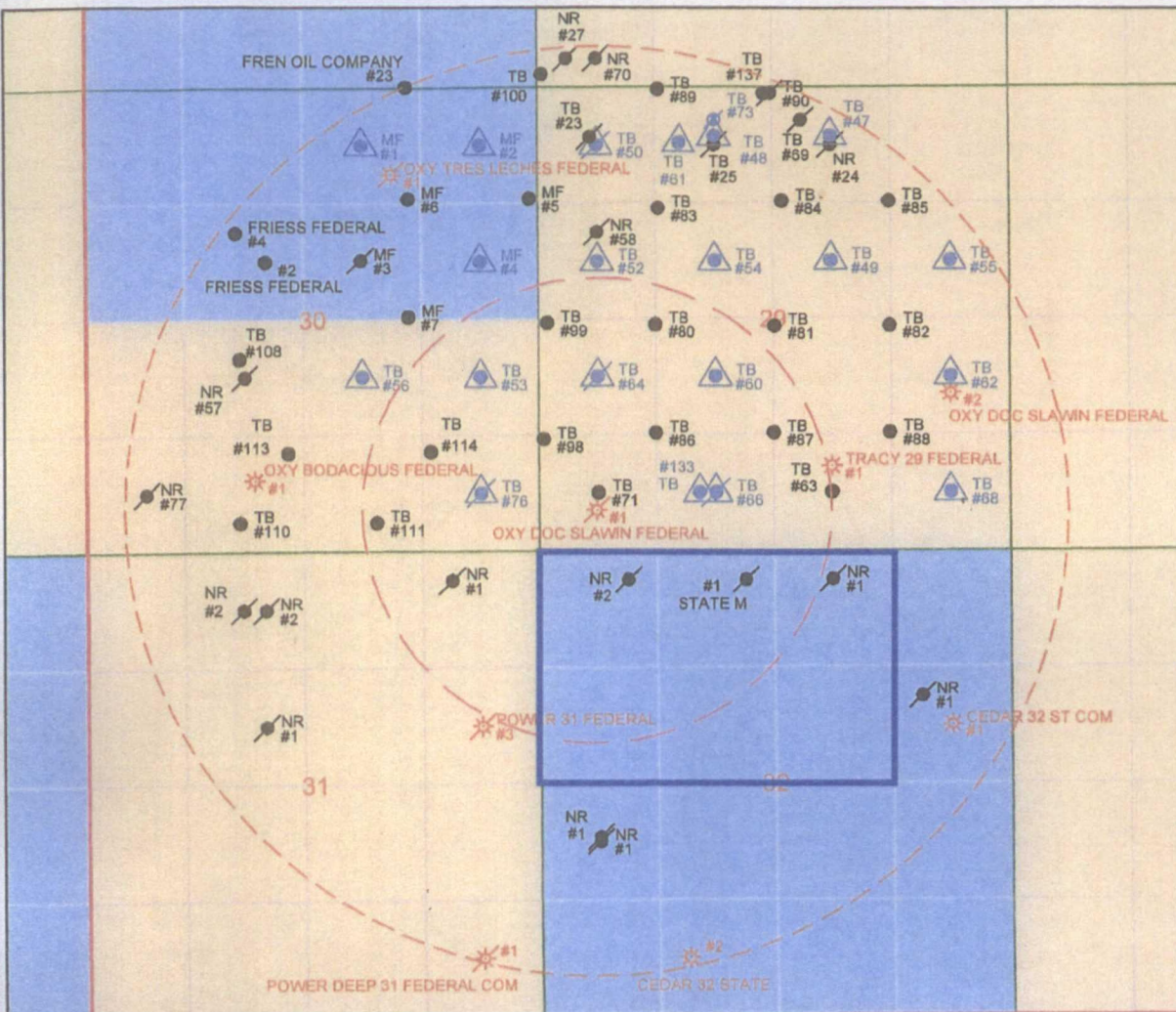


MARBOB ENERGY CORP	
OXY DOC SLAWIN FEDERAL #1	
API: 3001533180	
SEC: 29	TWP: 17S
UNIT: M	RNG: 31E
460 FSL	640 FWL
COUNTY: EDDY	
S 85 E - 29.5 MILES FROM ARTESIA, NM	
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Exhibit "F"

Section 32, T17S, R31E
Mineral Owner
State of New Mexico

Leaseholders
See list of Notified Parties



MARBOB ENERGY CORP	
OXY DOC SLAWN FEDERAL #1	
API: 3001533180	
SEC: 29	TWP: 17S
UNIT: M	RNG: 31E
460 FSL	640 FWL
COUNTY: EDDY	
S 85 E - 29.5 MILES FROM ARTESIA, NM	
LAT: 32°47.974' N.	LON: 103°53.900' W.
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Exhibit "F"

**Judah Oil,L.L.C.
Oxy Doc Slawin Federal # 001
API # 30-015-33180
SL 460 FSL x 640 FWL
BHL 691 FSL x 690 FWL
Section 29,T17S,R31E
Eddy County, NM**

Notified Parties

**Bureau of Land Management
620 E. Greene Street
Carlsbad, NM 88220**

**Marbob Energy Corporation
PO Box 227
Artesia, NM 88211-227**

**Oxy USA WTP Limited Partnership
PO Box 4294
Houston,TX 77210**

**McInnes Resources Company
PO Box 527
Artesia, New Mexico 88211**

**ZPZ Delaware I, LLC
2000 Post Oak Blvd, Suite 100
Houston, Texas 77056**

**Costaplenty Energy Corporation
PO Box 1182
Artesia, NM 88211**

**Jack K. Armstrong Ltd
PO Box 2193
Wichita Falls, TX 76307**

**Yeso Energy Inc
PO Box 8280
Roswell, NM 88202**

**Linn Energy Holdings
600 Travis Suite 5100
Houston,TX 79008**

Exhibit "F"

**Judah Oil,L.L.C.
Oxy Doc Slawin Federal # 001
API # 30-015-33180
SL 460 FSL x 640 FWL
BHL 691 FSL x 690 FWL
Section 29,T17S,R31E
Eddy County, NM**

Notified Parties

**COG Operating, LLC
550 W. Texas Suite 1300
Midland, TX 79701**

**Prairie Sun Inc.
PO Box 8280
Roswell, NM 88202**

**Levi Oil and Gas
PO Box 568
Artesia, NM 88211**

**New Mexico State Land Office
Oil and Gas Division
PO Box 1148
Santa Fe, NM 87504**

**New Mexico Oil Conservation Division
District 2
811 S. First St.
Artesia, NM 88210**

**Burnett Oil Company Inc.
801 Cherry Street Suite 1500
Ft. Worth, TX 76102**

**Devon Energy Production Company, LP
20 N. Broadway
Oklahoma City, OK 73102**

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Carlsbad, NM 88220

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Artesia, NM 882110

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PO Box 1148
Santa Fe, NM 87504

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501 Cherry Street Suite 1500
Ft. Worth, TX 76102

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Houston, TX 77210

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New Mexico Oil Conservation

Sent **Division District 2**
811 S. First St.
Artesia, NM 88210

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Company, LP
20 N. Broadway
Oklahoma City, OK 73102

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Houston, Texas 77056

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Midland, TX 79701

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Total Postage & Fees	\$7.00	04/23/2012

Sent **Prairie Sun Inc.**
PO Box 8280
Roswell, NM 88202

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Total Postage & Fees	\$7.00	04/23/2012

Sent To
McInnes Resources Company
Street, Apt.
or PO Box PO Box 527
City, State Artesia, New Mexico 88211

PS Form 38

Instructions

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Levi Oil and Gas
Street, Apt.
or PO Box PO Box 568
City, State Artesia, NM 88211

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Sent To
Costaplenty Energy Corporation
PO Box 1182
Artesia, NM 88211

PS Form 38

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Sent To
Jack K. Armstrong Ltd
PO Box 2193
Wichita Falls, TX 76307

PS Form 38

Instructions

Affidavit of Publication

NO.

22085

STATE OF NEW MEXICO

County of Eddy:

Danny 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 state, and that the hereto 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 weeks/days on the same

day as follows:

First Publication

April 20, 2012

Second Publication

Third Publication

Fourth Publication

Fifth Publication

Subscribed and sworn to before me this

20th day of

April

2012



OFFICIAL SEAL
Latisha Romine
NOTARY PUBLIC-STATE OF NEW MEXICO

My commission expires: 5/12/2015

Latisha Romine

Latisha Romine
Notary Public, Eddy County, New Mexico

Copy of Publication:

LEGAL NOTICE

Judan Oil, L.L.C. P.O. Box 568, Artesia, New Mexico 88210 has filed form C-108 (Application for Authorization to Inject) with the New Mexico Oil Conservation Division seeking administrative approval for the conversion of the Oxy Doc-Slawin Federal #001, API #30-015- 33180, Surface location 460 FSL x 640 FWL, Unit Letter "M", Section 29, Township 17 South, Range 31 East, Bottom Hole location 691 FSL x 690 FWL, Unit Letter "M", Section 29, T17S, R31E, Eddy County, New Mexico from a plugged and abandoned gas well test to a commercial salt water disposal well. This well is located 29.5 miles southeast of Artesia, New Mexico. Disposal formation is the Bone Springs/Wolfcamp through perforations from 7762 feet through 9362 feet. Produced water would be trucked in from numerous producing wells in the area. Anticipated average daily disposal rate would be 8000 barrels of water per day with a maximum disposal rate of 15000 barrels of water per day. Anticipated average injection pressure is 690 psi, with a maximum injection pressure of 1550 psi.

All interested parties opposing the aforementioned must file objections with the New Mexico Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505 within 15 days. Additional information can be obtained by contacting Blaise Campanella 575-748-5488.

Published in the Artesia Daily Press, Artesia, N.M., April 20, 2012. Legal No 22085.

Injection Permit Checklist (11/15/2010)

WFX PMX SWD 1333 Permit Date 5/16/12 UIC Qtr (A/M/J)# Wells 1 Well Name(s): OXY DOCSLAWIN Fed #1API Num: 30-0 15-33180 Spud Date: 3/16/04 New/Old: N (UIC primacy March 7, 1982)Footages SLI 46 FSL/640 FUL Unit M Sec 29 Tsp 17S Rge 3IE County EDDY
BAL. 691 FSL/640 FUL

General Location:

Operator: JUDAH OIL LLC Contact BILLY E. PRICHARDOGRID: 245872 RULE 5.9 Compliance (Wells) 2/37 ^① LIMIT (Finan Assur) OK IS 5.9 OK? OKWell File Reviewed ✓ Current Status: PEAKED 5 1/2 CUT/PULLED @ 3000'Planned Work to Well: RE-ENTER / Now 5 1/2"Diagrams: Before Conversion ✓ After Conversion ✓ Elogs in Imaging File: ✓

Well Details:		Sizes Hole.....Pipe	Setting Depths	Stage Tool	Cement Sx or Cf	Determination Method
New <u>✓</u> Existing <u>✓</u>	Surface	<u>20" - 16"</u>	<u>422</u>	<u>—</u>	<u>250/200'</u>	<u>CIRC</u>
New <u>✓</u> Existing <u>✓</u>	Interm	<u>14 3/4" - 11 3/4"</u>	<u>1645'</u>	<u>—</u>	<u>550/200'</u>	<u>CIRC</u>
New <u>✓</u> Existing <u>✓</u>	LongSt	<u>11" - 8 5/8"</u>	<u>4256'</u>	<u>—</u>	<u>670/200'</u>	<u>CIRC</u>
New <u>✓</u> Existing <u>✓</u>	Caser	<u>7 7/8" - 5 1/2"</u>	<u>11,797'</u>	<u>8992'</u>	<u>400/170' 800'</u>	<u>CIRC / 3800' T.S.</u>
New <u>✓</u> Existing <u>✓</u>	Open Hole					

Depths/Formations:

	Depths, Ft.	Formation	Tops?
Formation(s) Above	<u>5800'</u>	<u>B.S.</u>	<u>✓</u>
Injection TOP:	<u>7762'</u>	<u>Below Snd</u>	Max. PSI <u>1552</u> Open Hole <u>✓</u> Perfs <u>✓</u>
Injection BOTTOM:	<u>9362'</u>	<u>Lower Snd</u>	Tubing Size <u>3 1/2</u> Packer Depth <u>7700'</u>
Formation(s) Below	<u>8944'</u> <u>10042'</u>	<u>WC.</u> <u>Penn</u>	<u>✓</u> <u>✓</u>

NUM cross SWDS
around THIS one
SWD-1118/SWD-1249
R-3378
SWD-1274
1220

Capitan Reef? (Polash? Noticed?) (WIPP? Noticed?) Salado Top/Bo (660-7737) Cliff House?Fresh Water: Depths: 430' Formation alluvial Fill Wells? None Analysis? — Affirmative Statement ✓Disposal Fluid Analysis? X Sources: COMMERCIALDisposal Interval: Analysis? X Production Potential/Testing: —Notice: Newspaper Date 4/20/12 Surface Owner BLM Mineral Owner(s) BLM/SLORULE 26.7(A) Affected Persons: (52529-32) 4/23/12 Sue LST LINDA Engr/OXY + ETCAOR: Maps ✓ Well List? ✓ Producing in Interval? (NO) Wellbore Diagrams? —.....Active Wells 0 Repairs? — Which Wells? (None Permits).....P&A Wells 0 Repairs? — Which Wells? —

Issues:

Request Sent — Reply: —