

DATE IN <u>9/26/11</u>	SUSPENSE	ENGINEER <u>WVJ</u>	LOGGED IN <u>9/26/11</u>	TYPE <u>SWD</u>	APP NO. <u>1126954373</u>
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12/7/11  
FINAL  
INFO ARRIVED

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION  
- Engineering Bureau -  
1220 South St. Francis Drive, Santa Fe, NM 87505



Judah <sup>245872</sup>  
Slawin Fed # 2

**ADMINISTRATIVE APPLICATION CHECKLIST** 30-015-32585

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]

Fed  
I-29-175-316

- [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 \_\_\_\_\_

Cancelled in RBDMS  
10/26/11  
See EMAIL

- [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.**

Billy E. Prichard Print or Type Name	<u>Billy E. Prichard</u> Signature	Agent for Judah Oil, L.L.C. Title	5/2/11 Date
		billy@pwillc.net 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: *Judah Oil, L.L.C.*  
ADDRESS: *PO Box 568 Artesia, NM 88211*  
CONTACT PARTY: *Blaise Campanella* PHONE: *5757485488*
- 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: **Billy(Bill)E. Prichard**

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

SIGNATURE: \_\_\_\_\_

DATE:   5/2/11  

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 # 002**  
**30-015-32585**  
**1780 FSL X 660 FEL**  
**Unit Letter "I", Section 29, T17S, R31E**  
**Eddy County, New Mexico**  
C108( Application for Authorization to Inject)

**I.**

The purpose of this application is for the administrative approval for the conversion of the Oxy Doc Slawin Federal #002 from a shut in gas well to a Wolfcamp commercial salt water disposal well.

**II.**

Operator: Judah Oil, L.L.C.  
Address: PO Box 568 Artesia, New Mexico 88211  
Blaise Campanella 5757485488

**III.**

Please see Exhibit "A" for well data.

**IV.**

This is not an expansion of an existing project.

**V.**

Please see Exhibit "B" for map of .5 and 1 mile area of review.

**VI.**

Please see Exhibit "C" for wells and tabulation of data for wells in AOR  
21 wells were identified in the AOR. 19 of the wells do not penetrate the proposed disposal zone. See Exhibit "C" for data on the 2 wells that penetrate the proposed disposal zone.

**VII.**

1. Anticipated average daily rate 10,000 BWPD with maximum of 15,000 BWPD.
2. This will be an open system.
3. Anticipated average injection pressure is 0(Zero) with maximum of 1614 psig.
4. Please see Exhibit "D" of analysis of projected disposal fluid. Disposal fluid will be produced water trucked in from numerous producing zones in southeastern New Mexico.
5. Please see Exhibit "E" for Wolfcamp water analysis.

**VIII.**

Please see Exhibit "F" for geological data.

**IX.**

There is no stimulation planned unless pressure and rate dictate the need.

**X.**

Logs and completion data submitted to NMOCD by previous operator.

**XI.**

A review of the New Mexico state engineer web site found no water wells within the 1 mile AOR. Field survey found no active water wells.

**Judah Oil,L.L.C.**  
**Oxy Doc Slawin Federal # 001**  
**30-015-32585**  
**1780 FSL X 660 FEL**  
**Unit Letter "I", Section 29, T17S, R31E**  
**Eddy County, New Mexico**

C108( Application for Authorization to Inject)

**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 "G" for "Proof of Notice" and affidavit of publication.

Enclosed is the inactive well list for Judah Oil,L.L.C.

**Judah Oil, L.L.C.  
Oxy Doc Slawin Federal # 2  
API # 30-015-32585  
1780 FSL x 660 FEL  
Unit Letter "I", Section 29, T17S, R31E  
Eddy County, New Mexico  
Exhibit "A"  
Well Data**

Spud 3/29/2003 as Morrow test.

20" conductor set at 40feet cemented with Redi-mix

13 3/8" 48# casing set at 432feet in 17 1/2" hole, cemented with 600 sacks cement.  
Cement circulated to surface.

9 5/8" 36# and 40# casing set at 4510feet in 12 1/4" hole, cemented with 1350 sacks of cement. Cement circulated to surface.

5 1/2" 17# casing set at 11880feet in 8 3/4" hole. Cemented in 2 stages with DV Tool at 8952ft.

Stage 1 – 725 sacks cement

Stage 2 – 910 sacks cement

Top of cement at 7700feet by cement bond log

Morrow perforations 11642-11734 feet.

**Geological Tops per/Bryan G. Arrant-OCD**

Salado	707'
Base of Salt	1430'
Yates	1770'
Bowers	2577'
Queen	2814'
San Andres	3591'
Wolfcamp	8544'??
Strawn	10764'
Atoka	11007'
Morrow Clastics	11440'
Barnett	11742'

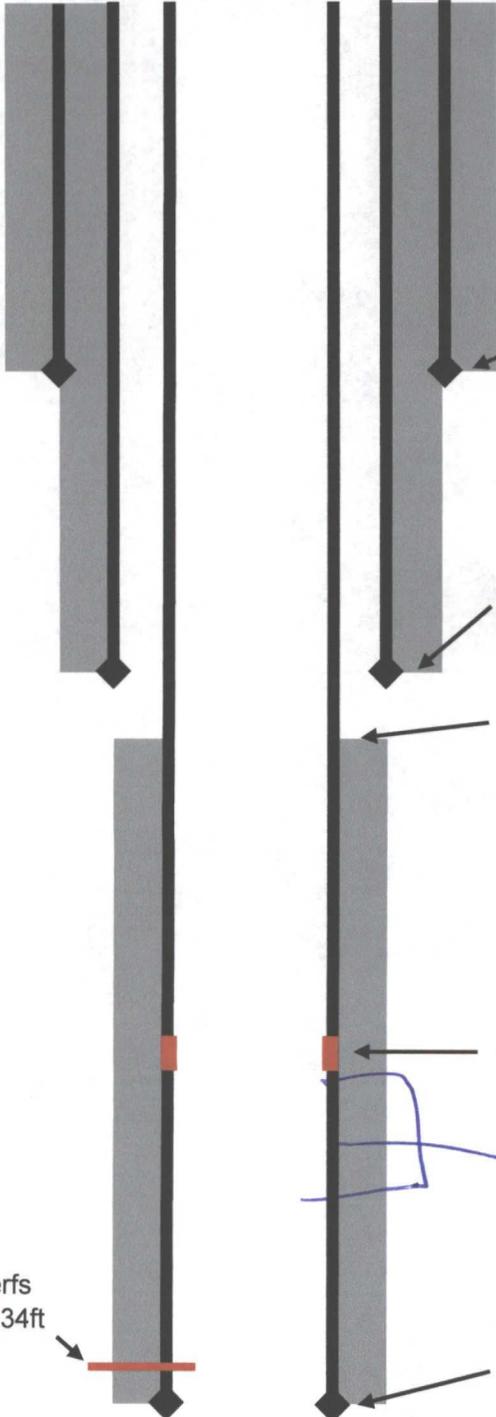
**Judah Oil, L.L.C.**  
**Oxy Doc Slawin Federal # 002**  
**API # 30-015-32585**  
**1780 FSL x 660 FEL**  
**Unit Letter "I", Section 29, T17S, R31E**  
**Eddy County, New Mexico**  
**Exhibit "A"**  
**Well Data**

**Production Summary of api:3001532585 pool:CEDAR LAKE;MORROW, EAST (GAS)**

producing year	Oil	Gas	Water	Co2
2003	487	36893	364	0
2004	10	6813	124	0
2005	0	3062	78	0
2006	0	1381	134	0
2007	238	10909	0	0
2008	19	1926	33	0
2009	53	1475	66	0
2010	18	403	180	0
summary	825	62862	979	0

Oxy Usa WTP LP  
Oxy Doc Slawin Federal # 002  
API 30-015-32585  
1780 FSL X 660 FEL  
Section 29, T17S, R31E  
Eddy County, NM

Prior to conversion to SWD



13 3/8" 48# csg at 432ft in 17 1/2" hole  
Cmt w/600sx cmt- Cmt circulated

9 5/8" 36#&40# csg at 4510ft in 12 1/4" hole  
Cmt w/ 1350sx cmt- Cmt circulated to surface

TOC 7700ft

Exhibit "A"

DV Tool at 8952ft

Morrow Perfs  
11642-11734ft

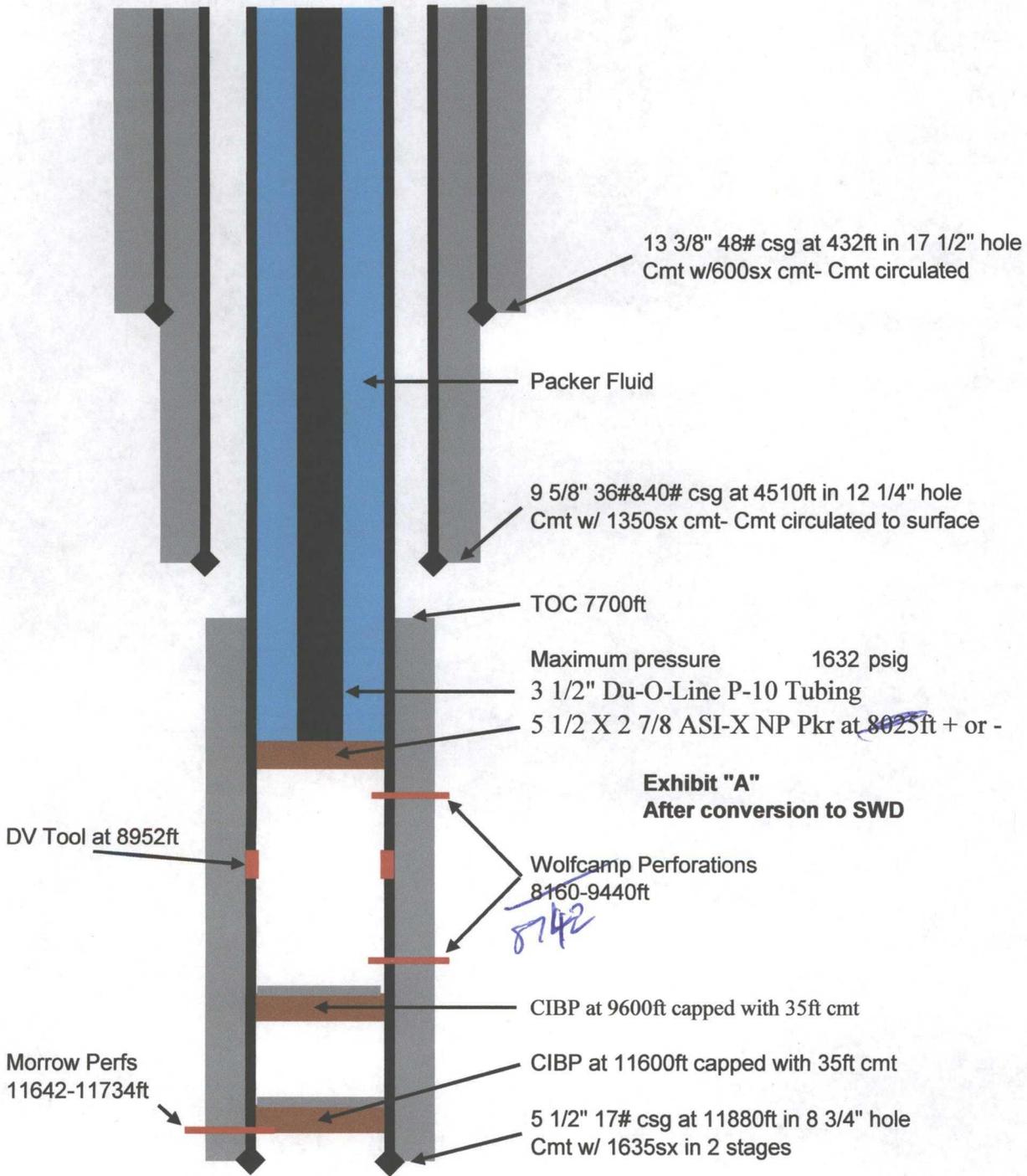
5 1/2" 17# csg at 11880ft in 8 3/4" hole  
Cmt w/ 1635sx in 2 stages

BEP

Drawing not to scale

[www.pwllc.net](http://www.pwllc.net)

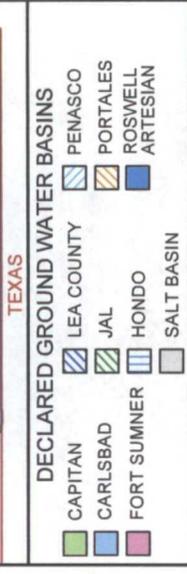
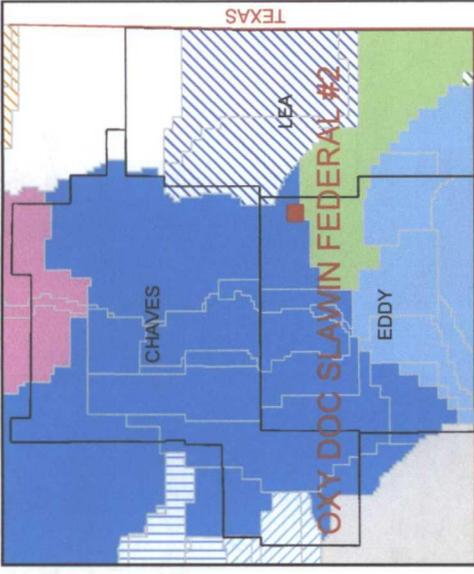
Judah Oil, LLC  
 Doc Slawin Federal SWD # 002  
 API 30-015-32585  
 1780 FSL X 660 FEL  
 Unit Letter "I" Section 29, T17S, R31E  
 Eddy County, NM



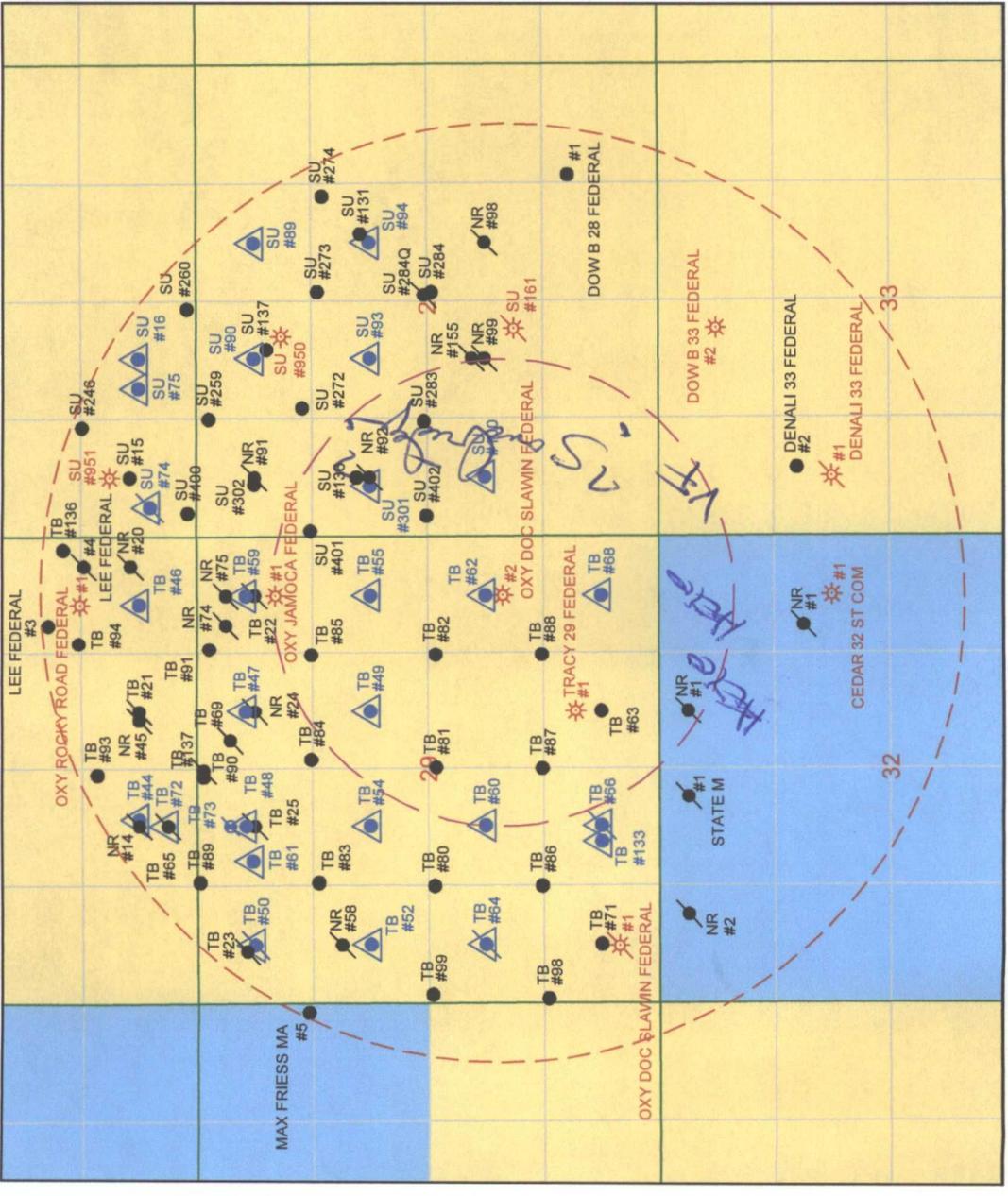
BEP

Drawing not to scale

[www.pwllc.net](http://www.pwllc.net)



<b>OXY USA WTP LIMITED PARTNERSHIP</b>	
OXY DOC SLAWIN FEDERAL #2	
API: 3001532585	TWP: 17S
SEC: 29	RNG: 31E
UNIT: I	1780 FSL
	660 FEL
COUNTY: EDDY	
S 85 E - 30.2 MILES FROM ARTESIA, NM	
LAT: 32°48.193' N.	LONG: 103°53.125' W.
NO WARRANTY IS EXPRESSED OR IMPLIED FOR THE ACCURACY, COMPLETENESS OR TIMELINESS OF THIS MAP	
DATE: 08/29/10	
WWW.WELLPROMAPPING.COM	



**SURFACE OWNERSHIP**

- BLM (Yellow)
- STATE (Blue)
- PRIVATE (White)

**LEASE ABBREVIATIONS**

- NR - NORINS REALTY INC.
- SU - SKELLY UNIT
- TB - TURNER B

**WELL TYPES**

- ACTIVE OIL (Black circle)
- ACTIVE GAS (Red star)
- ACTIVE INJECTION (Blue triangle)
- ACTIVE WATER (Blue circle)
- ACTIVE SWD (Blue circle with dot)
- INACTIVE OIL (Black circle with slash)
- INACTIVE GAS (Red star with slash)
- INACTIVE INJECTION (Blue triangle with slash)
- INACTIVE WATER (Blue circle with slash)
- INACTIVE SWD (Blue circle with slash and dot)

**OTHER FEATURES**

- WATER WELL (Blue circle with dot)

**Judah Oil, LLC**  
**Wells in 0.5 - 1 mile AOR**

RAD	API	OPER	NAME	WELL #	T	S	T	R	S	UL	TVD	
	3001532585	Judah	DOC SLAWIN FED SWD Exhibit C	#2	G	A	17S	31E	29	I	11880	
1	200	3001505449	LINN	TURNER B	#62	I	A	17S	31E	29	I	3690
2	809	3001526571	LINN	TURNER B	#88	O	A	17S	31E	29	J	3745
3	1028	3001526385	LINN	TURNER B	#82	O	A	17S	31E	29	J	3724
4	1121	3001505452	LINN	TURNER B	#68	I	A	17S	31E	29	P	3718
5	1245	3001529860	SANDRIDGE	SKELLY UNIT	#402	O	A	17S	31E	28	E	3988
6	1343	3001505432	SANDRIDGE	SKELLY UNIT	#100	I	A	17S	31E	28	L	3734
7	1513	3001505444	LINN	TURNER B	#55	I	A	17S	31E	29	H	3640
8	1563	3001528142	COG	TRACY 29 FEDERAL	#1	S	A	17S	31E	29	O	11857
9	1732	3001505450	LINN	TURNER B	#63	O	A	17S	31E	29	O	3670
10	1949	3001529496	SANDRIDGE	SKELLY UNIT	#301	I	A	17S	31E	28	E	3950
11	2012	3001505431	TEXACO	NORINS REALTY INC	#92	O	P	17S	31E	28	E	3652
12	2015	3001505436	LINN	TURNER B	#49	I	A	17S	31E	29	G	3600
13	2026	3001526387	LINN	TURNER B	#87	O	A	17S	31E	29	K	3725
14	2110	3001526389	LINN	TURNER B	#81	O	A	17S	31E	29	J	3700
15	2127	3001522481	SANDRIDGE	SKELLY UNIT	#136	O	A	17S	31E	28	E	2550
16	2143	3001529227	SANDRIDGE	SKELLY UNIT	#283	O	A	17S	31E	28	E	4000
17	2291	3001526386	LINN	TURNER B	#85	O	A	17S	31E	29	B	3600
18	2309	3001529817	SANDRIDGE	SKELLY UNIT	#401	O	A	17S	31E	28	D	3950
19	2488	3001505484	ARCO	NORINS REALTY INC	#1	O	P	17S	31E	32	B	3810
20	2594	3001532265	JUDAH	OXY JAMOCA FED	#1	S	P	17S	31E	29	A	11908
21	2634	3001505447	LINN	TURNER B	#60	I	A	17S	31E	29	K	3626
22	2659	3001504829	TEXACO	NORINS REALTY INC	#99	O	P	17S	31E	28	K	
23	2675	3001522533	TEXACO	NORINS REALTY INC	#155	O	P	17S	31E	28	K	
24	2834	3001505439	SOCORRO	TURNER B	#22	O	P	17S	31E	29	A	
25	2855	3001504902	AVON	TURNER B	#66	I	P	17S	31E	29	N	
26	2884	3001526391	MERIT	TURNER B	#84	O	A	17S	31E	29	B	
27	2932	3001505446	MERIT	TURNER B	#59	I	A	17S	31E	29	A	
28	2989	3001528140	WISER	SKELLY UNIT	#161	G	P	17S	31E	28	K	12080
29	3022	3001529649	MERIT	TURNER B	#133	I	A	17S	31E	29	N	3953
30	3035	3001505443	MERIT	TURNER B	#54	I	A	17S	31E	29	F	
31	3052	3001504885	FOREST	SKELLY UNIT	#93	I	A	17S	31E	28	F	
32	3094	3001529712	FOREST	SKELLY UNIT	#302	O	A	17S	31E	28	D	3800
33	3098	3001529064	FOREST	SKELLY UNIT	#272	O	A	17S	31E	28	C	3987
34	3116	3001505489	ME-TEX	STATE M	#1	O	P	17S	31E	32	C	
35	3126	3001505427	TEXACO	NORINS REALTY INC	#91	O	P	17S	31E	28	D	
36	3129	3001505433	ARCO	NORINS REALTY INC	#24	O	P	17S	31E	29	B	
37	3165	3001505457	SINCLAIR	NORINS REALTY INC	#75	O	P	17S	31E	29	D	
38	3184	3001505456	ARCO	NORINS REALTY INC	#74	O	P	17S	31E	29	A	
39	3221	3001505435	MERIT	TURNER B	#47	I	A	17S	31E	29	B	
40	3333	3001526392	MERIT	TURNER B	#86	O	A	17S	31E	29	L	
41	3397	3001526388	MERIT	TURNER B	#80	O	A	17S	31E	29	L	
42	3411	3001526603	MERIT	TURNER B	#91	O	A	17S	31E	29	A	
43	3446	3001505482	A&H	NORINS REALTY INC	#1	O	P	17S	31E	32	H	
44	3485	3001528976	WISER	SKELLY UNIT	#284Q	O	P	17S	31E	28	G	4150
45	3494	3001529314	FOREST	SKELLY UNIT	#284	O	A	17S	31E	28	J	4025
46	3528	3001505453	MARBOB	TURNER B	#69	O	P	17S	31E	29	B	
47	3653	3001532164	V-F	DENALI 33 FEDERAL	#2	O	A	17S	31E	33	E	11950
48	3709	3001529856	FOREST	SKELLY UNIT	#400	O	A	17S	31E	21	M	3922
49	3758	3001527929	HEYCO	CEDAR 32 ST COM	#1	G	A	17S	31E	32	H	11900

**Judah Oil, LLC**  
**Wells in 0.5 - 1 mile AOR**

50	3841	3001532437	CHEVRON	SKELLY UNIT	#950	G	A	17S	31E	28	C	12095
51	3844	3001522506	FOREST	SKELLY UNIT	#137	O	A	17S	31E	28	C	
52	3858	3001527675	V-F	DOW B 33 FEDERAL	#2	G	A	17S	31E	33	C	12100
53	3868	3001505434	MERIT	TURNER B	#25	O	T	17S	31E	29	C	2163
54	3880	3001505428	FOREST	SKELLY UNIT	#90	I	A	17S	31E	28	C	
55	3887	3001528975	FOREST	SKELLY UNIT	#259	O	A	17S	31E	28	D	4000
56	3890	3001526390	MERIT	TURNER B	#83	O	A	17S	31E	29	F	
57	3940	3001505458	MERIT	TURNER B	#48	I	A	17S	31E	29	C	
58	3959	3001505451	DEVON	TURNER B	#64	I	P	17S	31E	29	L	
59	3962	3001526606	DEVON	TURNER B	#90	O	P	17S	31E	29	C	
60	3963	3001505440	SKELLY	NORINS REALTY INC	#98	O	P	17S	31E	28	J	
61	3990	3001531723	EOG	DENALI 33 FEDERAL	#1	G	P	17S	31E	33	E	11925
62	4000	3001529954	MERIT	TURNER B	#137	O	A	17S	31E	29	B	3650
63	4003	3001529239	FOREST	SKELLY UNIT	#273	O	A	17S	31E	28	G	3950
64	4077	3001505455	MARBOB	TURNER B	#73	S	P	17S	31E	29	C	
65	4105	3001505454	MERIT	TURNER B	#71	O	A	17S	31E	29	M	
66	4142	3001505331	FOREST	SKELLY UNIT	#74	I	P	17S	31E	21	M	
67	4156	3001505313	MERIT	TURNER B	#46	I	A	17S	31E	20	P	
68	4163	3001505448	MERIT	TURNER B	#61	I	A	17S	31E	29	J	3550
69	4185	3001533180	MARBOB	OXY DOC SLAWIN FED	#1	G	P	17S	31E	29	M	11800
70	4186	3001505488	JB&A	NORINS REALTY INC	#2	O	P	17S	31E	32	D	
71	4234	3001505442	MERIT	TURNER B	#52	I	A	17S	31E	29	E	
72	4237	3001504884	FOREST	SKELLY UNIT	#94	I	A	17S	31E	28	G	9999
73	4265	3001505292	SOCORRO	NORINS REALTY INC	#20	O	P	17S	31E	20	P	
74	4362	3001505293	HONDO	TURNER B	#21	O	P	17S	31E	20	O	
75	4364	3001522265	FOREST	SKELLY UNIT	#131	O	A	17S	31E	28	G	
76	4366	3001505445	ARCO	NORINS REALTY INC	#58	O	P	17S	31E	29	E	
77	4393	3001505312	ARCO	NORINS REALTY INC	#45	O	P	17S	31E	20	O	
78	4455	3001505332	FOREST	SKELLY UNIT	#15	O	A	17S	31E	21	M	
79	4591	3001526621	MERIT	TURNER B	#99	O	A	17S	31E	29	L	
80	4592	3001526620	MERIT	TURNER B	#98	O	A	17S	31E	29	M	
81	4643	3001505302	MERIT	TURNER B	#72	I	A	17S	31E	20	O	
82	4643	3001505299	MARBOB	TURNER B	#65	O	P	17S	31E	20	N	
83	4675	3001532436	CHEVRON	SKELLY UNIT	#951	G	A	17S	31E	21	M	12000
84	4757	3001505333	FOREST	SKELLY UNIT	#75	I	A	17S	31E	21	N	
85	4762	3001526595	MERIT	TURNER B	#89	O	A	17S	31E	29	C	
86	4775	3001528676	YESO	DOW B 28 FEDERAL	#1	O	A	17S	31E	28	P	12725
87	4795	3001530510	MARBOB	LEE FEDERAL	#4	O	JNC	17S	31E	20	P	
88	4821	3001528811	FOREST	SKELLY UNIT	#260	O	A	17S	31E	21	N	3950
89	4829	3001531818	OXY	OXY ROCKY ROAD FED	#1	G	A	17S	31E	20	I	12000
90	4862	3001505429	FOREST	SKELLY UNIT	#89	I	A	17S	31E	28	B	
91	4868	3001505437	MERIT	TURNER B	#50	I	P	17S	31E	29	D	
92	4874	3001526637	MERIT	TURNER B	#94	O	A	17S	31E	20	I	
93	4880	3001505311	MERIT	TURNER B	#44	I	A	17S	31E	20	N	
94	4919	3001505286	ARCO	NORINS REALTY INC	#14	O	P	17S	31E	20	N	
95	4923	3001529210	FOREST	SKELLY UNIT	#274	O	A	17S	31E	28	G	3950
96	4927	3001505334	FOREST	SKELLY UNIT	#16	I	A	17S	31E	21	N	
97	4983	3001505438	MERIT	TURNER B	#23	O	T	17S	31E	29	D	2102
98	5042	3001529622	MERIT	TURNER B	#136	O	A	17S	31E	20	I	3925
99	5068	3001526611	MERIT	TURNER B	#93	O	A	17S	31E	20	N	
100	5154	3001529063	FOREST	SKELLY UNIT	#246	O	A	17S	31E	21	N	3950

**Judah Oil, LLC**  
**Wells in 0.5 - 1 mile AOR**

101	5203	3001530269	MARBOB	LEE FEDERAL	#3	O	A	17S	31E	20	I	5375
102	5216	3001526656	MERIT	MAX FRIESS MA	#5	O	A	17S	31E	30	A	

OXY USA WTP LP - Proposed  
OXY Jamoca Federal #1  
API No. 30-015-32265

20sx Surface

25sx @ 500-380' WOC-Tag

25sx @ 1610-1500'

30sx @ 2580-2450'

30sx @ 3845-3705'

30sx @ 4590-4445' WOC-Tag

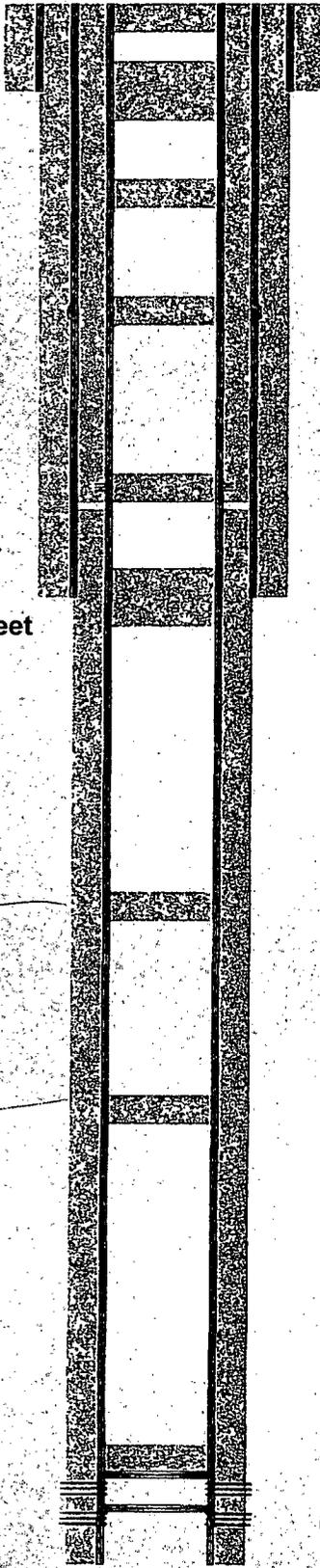
Tagged per plugging report at 4019 feet

35sx @ 7135-6965'

35sx @ 8600-8410'

40sx @ 11464-11276'

4/07-CIBP @ 11500' w/ 4sx.cmt  
2/07-CIBP @ 11600'



17-1/2" hole @ 430'  
13-3/8" csg @ 430'  
w/580sx-TOC-Surf-Circ

12-1/4" hole @ 4517'  
9-5/8" csg @ 4517'  
DV Tool @ 2515'  
1st w/600sx-TOC-2510'-Circ  
2nd w/1400sx-TOC-Surf-Circ

\*11/02-Perf @ 3775'sqz 840sx circ cmt to surf

8-3/4" hole @ 11908'  
5-1/2" csg @ 11904'  
w/1840sx-TOC-4020'-CBL

Perfs @ 11558-11562'  
Perfs @ 11640-11662'

TD-11908'

Exhibit "C"

**Biscuit Hills Disposal, L.L.C.**  
**Tracey 29 Federal # 001**  
**API # 30-015-28142**  
**950 FSL X 1980 FEL**  
**Unit Letter "O", Section 29, T17S, R31E**  
**Eddy County, New Mexico**  
**Spud 10/11/1994 as Morrow Test**  
**After Conversion to SWD**

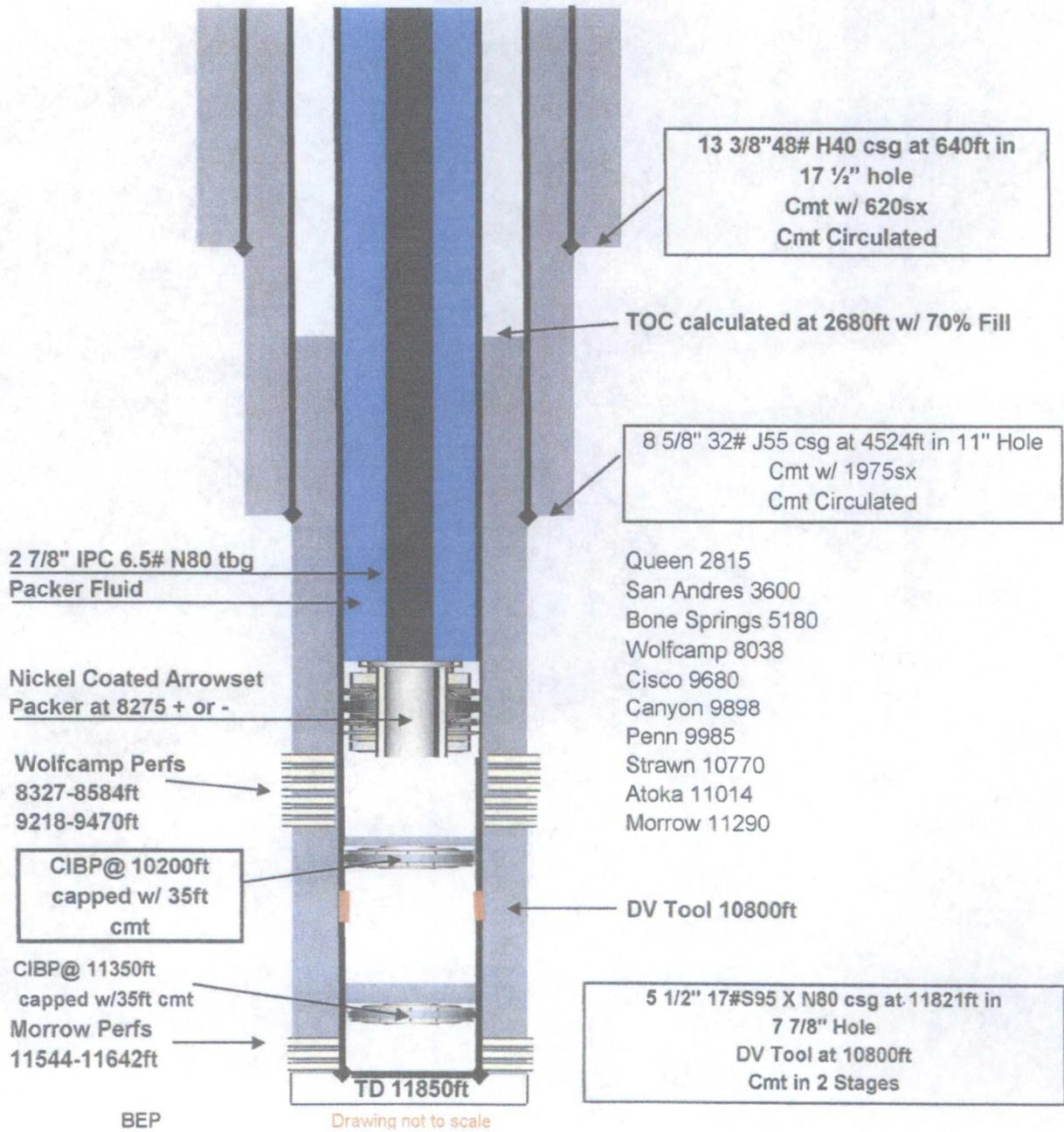


Exhibit "C"

Judah Oil, L.L.C.  
 30-015-32585  
 Possible pools disposing in Oxy Doc Slawin Federal # 002

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"

# NM WAIDS



## Water Samples for Well ELVIS 002

API = 3002533854

Formation = WOLF

Field = null

### Current Water Production Information

**Instructions:**

- Click For general information about this sample.
- Click For scale calculation pages (Stiff-Davis or Oddo Tomson methods).
- Click To select **this water sample** for water mixing. It will lead to the main page, and add the sample ID to the mixing table.
- Click **664** Click the hyperlinked sample number to make a .csv for that sample, or select several check boxes and click Submit for multiple samples
- Click The ions are in (mg/L.) units.

	SampleID	T	R	S	SO4	CL	CO3	HCO3	K	Na	Ca	Mg
<input type="checkbox"/>	<a href="#">3509</a>	17S	32E	17	1368	78216	0	172	307	44579	4415	817
<input type="checkbox"/>	<a href="#">3281</a>	17S	32E	17	1151	73312	0	380	951	34886	8865	1330

SELECT/DESELECT ALL

*Exhibit "E"*



**This is the closest Wolfcamp water analysis available**

**Judah Oil,L.L.C.**  
Oxy Doc Slawin Federal # 002  
API # 30-015-32585  
1780 FSL X 660 FEL  
UL"I" Section 29, T17S, R31E  
Eddy County, New Mexico

***Geological Data***

The Wolfcamp formation in the Oxy Doc Slawin Federal # 002 is a light to dark gray reefoid limestone of Permian age. Above the Wolfcamp is the Bone Springs formation and below the Wolfeamp 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 is no known fresh water strata underlying the Wolfcamp formation.

No fresh water wells were identified or found in the 1 mile area of view. Fresh water is contained in the alluvial fill from surface to the top of the Red Bed. Surface casing on oil and gas wells in the area average 616 feet.

**Exhibit"F"**

Judah Oil, L.L.C.  
 API # 30-015-32585  
 Notified Parties

Surface and Mineral Owner  
 Bureau of Land Management  
 2909 W Second Street  
 Roswell, New Mexico 88201

**Section 29, T17S, R31E**

Unit Letter	Qtr/Qtr	Owner	Lessee
A	NE4NE4	BLM	COG Resources + Linn Operating, Inc
B	NW4NE4	BLM	COG Resources + Linn Operating, Inc
F	SE4NW4	BLM	COG Resources + Linn Operating, Inc
G	SW4NE4	BLM	COG Resources + Linn Operating, Inc
H	SE4NE4	BLM	COG Resources + Linn Operating, Inc
I	NE4SE4	BLM	Levi Oil and Gas, LLC and others + Linn Operating, Inc
J	NW4SE4	BLM	Levi Oil and Gas, LLC and others + Linn Operating, Inc
K	NE4SW4	BLM	Levi Oil and Gas, LLC and others + Linn Operating, Inc
N	SE4SW4	BLM	Levi Oil and Gas, LLC and others + Linn Operating, Inc
O	SW4SE4	BLM	Levi Oil and Gas, LLC and others + Linn Operating, Inc
P	SE4SE4	BLM	Levi Oil and Gas, LLC and others + Linn Operating, Inc

See Exhibit "GA"  
 See Exhibit "GA"

**Section 28, T17S, R31E**

D	NW4NW4	BLM	Sandridge Resources
E	SW4NW4	BLM	Sandridge Resources
F	SE4NW4	BLM	Sandridge Resources
K	NE4SW4	BLM	Sandridge Resources
L	NW4SW4	BLM	Sandridge Resources
M	SW4SW4	BLM	Sandridge Resources
N	SE4SW4	BLM	Sandridge Resources

**Section 33, T17S, R31E**

D	NW4NW4	BLM	VF Petroleum
---	--------	-----	--------------

**Section 32, T17S, R31E**

A	NE4NE4	New Mexico	Harvey E. Yates Co.Inc. + Nadel and Gussman
B	NW4NE4	New Mexico	Harvey E. Yates Co.Inc. + Nadel and Gussman

PO Box 1933 Roswell, New Mexico 88201  
 PO Box 1933 Roswell, New Mexico 88202

Exhibit "G"

**Judah Oil,L.L.C.**  
Oxy Doc Slawin Federal # 002  
API # 30-015-32585  
1780 FSL X 660 FEL  
UL"I" Section 29, T17S, R31E  
Eddy County, New Mexico

Exhibit "GA"

The lessor of Sect 29 S/2 is:

Levi Oil and Gas, LLC  
P.O. Box 568  
Artesia, NM 88211-0568

McInnes Resources Company  
P.O. 527  
Artesia, NM 88211-0527

Coastal Management  
1716 Briarcrest Drive #400  
Byran, TX 77802

Offset Operators

Township 17 South, Range 31 East Section 29

Well Name	Unit Letter	Operator	Well Type
Turner B No. 47	B	Linn Operating Inc.	Injection Well
Turner B No. 49	G	Linn Operating Inc.	Injection Well
Turner B No. 54	F	Linn Operating Inc.	Injection Well
Turner B No. 55	H	Linn Operating Inc.	Injection Well
Turner B No. 59	A	Linn Operating Inc.	Injection Well
Turner B No. 60	K	Linn Operating Inc.	Injection Well
Turner B No. 61	J	Linn Operating Inc.	Injection Well
Turner B No. 62	I	Linn Operating Inc.	Injection Well
Turner B No. 63	O	Linn Operating Inc.	Oil Well
Turner B No. 82	J	Linn Operating Inc.	Oil Well
Turner B No. 85	B	Linn Operating Inc.	Oil Well
Turner B No. 87	K	Linn Operating Inc.	Oil Well
Turner B No. 81	J	Linn Operating Inc.	Oil Well
Turner B No. 83	F	Linn Operating Inc.	Oil Well
Turner B No. 84	B	Linn Operating Inc.	Oil Well
Turner B No. 88	J	Linn Operating Inc.	Oil Well
Turner B No. 91	A	Linn Operating Inc.	Oil Well
Biscuit Hills SWD No. 1	O	COG	SWD
Turner B No. 133	N	Linn Operating Inc.	Injection Well
Turner B No. 137	B	Linn Operating Inc.	Oil Well

Township 17 South, Range 31 East Section 28

Skelly Unit No. 93	F	Sandridge Exploration	Injection Well
Skelly Unit No. 100	L	Sandridge Exploration	Injection Well
Skelly Unit No. 136	E	Sandridge Exploration	Oil Well
Skelly Unit No. 259	D	Sandridge Exploration	Oil Well
Skelly Unit No. 283	E	Sandridge Exploration	Oil Well
Skelly Unit No. 301	E	Sandridge Exploration	Injection Well
Skelly Unit No. 302	D	Sandridge Exploration	Oil Well
Skelly Unit No. 401	D	Sandridge Exploration	Oil Well
Skelly Unit No. 402	E	Sandridge Exploration	Oil Well

Township 17 South, Range 31 Section 33

Dow B 33 Fed No. 2	C	V-F Petroleum Inc.	Gas Well (W2)
--------------------	---	--------------------	---------------

Township 17 South, Range 31 East Section 32

Cedar 32 State Com No. 1	H	Nadel and Gusman	Gas Well (E2)
	Exhibit "G"		

### **Legal Notice**

Judah Oil,L.L.C. PO Box 568, Artesia, New Mexico 88211 has filed form C108(Application for Authorization to Inject) seeking administrative approval for the conversion of the Oxy Doc Slawin Federal # 002, API # 30-015-32585, 1780 FSL X 660 FEL, Unit Letter "I", Section 29, T17S, R31E, Eddy County, New Mexico from a shut in Morrow gas well to a Wolfcamp commercial salt water disposal well. The disposal interval is the Wolfcamp formation through perforations 8160-9440 feet. Disposed fluid would be produced water trucked in from numerous producing formations in southeastern New Mexico. Anticipated disposal pressure of 0 psig with a maximum disposal pressure of 1632 psig. Anticipated disposal rate of 10000 barrels of water per day with a maximum disposal rate of 15000 barrels of water per day.

Well is located approximately 30.2 miles east of Artesia, New Mexico

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 with in 15 days. Additional information can be obtained by contacting Blaise Campanella 5757485488

# Affidavit of Publication

NO. 21640

STATE OF NEW MEXICO

County of Eddy:

Walt Green

*Walt Green*

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 26, 2011
Second Publication	
Third Publication	
Fourth Publication	
Fifth Publication	

Subscribed and sworn to before me this

26th day of April 2011



**OFFICIAL SEAL**  
**Danny Scott**  
**NOTARY PUBLIC-STATE OF NEW MEXICO**

My commission expires: 3/18/2014

*Danny Scott*  
\_\_\_\_\_  
Danny Scott  
Notary Public, Eddy County, New Mexico

# Copy of Publication:

## LEGAL NOTICE

Judah Oil, L.L.C. PO Box 568, Artesia, New Mexico 88211 has filed form C108 (Application for Authorization to Inject) seeking administrative approval for the conversion of the Oxy Doc Slawin Federal # 002, API # 30-015-32585, 1780 FSL X 660 FEL, Unit Letter "I", Section 29, T17S, R31E, Eddy County, New Mexico from a shut in Morrow gas well to a Wolfcamp commercial salt water disposal well. The disposal interval is the Wolfcamp formation through perforations 8160-9440 feet. Disposed fluid would be produced water trucked in from numerous producing formations in southeastern New Mexico. Anticipated disposal pressure of 0 psig with a maximum disposal pressure of 1632 psig. Anticipated disposal rate of 10000 barrels of water per day with a maximum disposal rate of 15000 barrels of water per day. Well is located approximately 30.2 miles east of Artesia, New Mexico. 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 with in 15 days. Additional information can be obtained by contacting Blaise Campanella. 5757485488. Published in the Artesia Daily Press, Artesia, N.M., April 26 2011. Legal No. 21640.

**Judah Oil, L.L.C.**  
**Oxy Doc Slawin Federal # 2**  
**API # 30-015-32585**  
**1780 FSL x 660 FEL**  
**Unit Letter "I", Section 29, T17S, R31E**  
**Eddy County, New Mexico**

New Mexico Oil Conservation Division  
1220 South St. Francis Drive  
Santa Fe, NM 87505

2

Bureau of Land Management  
2909 West Second Street  
Roswell, NM 88201

1

Levi Oil and Gas, LLC  
PO Box 568  
Artesia, NM 88210

1

McInnes Resources Company  
PO Box 527  
Artesia, NM 88211

1

Coastal Management  
1716 Briarcrest Drive # 400  
Bryan, TX 77802

1

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

1

Linn Operating, Inc  
600 Travis Street  
Suite 5100  
Houston, TX 77002

1

Sandridge Exploration and Production, LLC  
123 Robert S Kerr Avenue  
Oklahoma City, OK 73102

1

Nadel and Gussman Heyco, LLC  
PO Box 193  
Roswell, NM 88202

1

New Mexico Oil Conservation Division  
1301 W. Grand Avenue  
Artesia, NM 88210

1

New Mexico State Land Office  
Oil, Gas and Mineral Division  
PO Box 1148

Santa Fe, NM 87504-1148

1

VF- Petroleum, Inc  
PO Box 1889  
Midland, TX 79702

1

7010 0780 0000 0765 3792

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Return Receipt Fee (Endorsement Required)	\$2.30	Postmark Here SEP 22 2011
Restricted Delivery Fee (Endorsement Required)	\$0.00	
Total Postage & Fees	\$ 6.83	09/22/2011 USPS

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811 S. First  
Artesia, NM 88210

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Total Postage & Fees	\$ 6.83	09/22/2011 USPS

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Oil, Gas, Mineral Division  
PO Box 1148  
Santa Fe, NM 87504-1148

PS Form 3800, August 2006 See Reverse for Instructions

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Total Postage & Fees	\$ 6.83	09/22/2011 USPS

Sent SANDRIDGE EXP & PROD LLC  
123 ROBERT S KERR AVENUE  
OKLAHOMA CITY OK 73102

PS Form 3800, August 2006 See Reverse for Instructions

7010 0780 0000 0765 3806

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MIDLAND, TX 79702 OFFICIAL USE

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Restricted Delivery Fee (Endorsement Required)	\$0.00	
Total Postage & Fees	\$ 6.83	09/22/2011 USPS

Sent To V-F PETROLEUM INC  
PO BO 1889  
MIDLAND TX 79702

PS Form 3800, August 2006 See Reverse for Instructions

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Return Receipt Fee (Endorsement Required)	\$2.30	Postmark Here SEP 22 2011
Restricted Delivery Fee (Endorsement Required)	\$0.00	
Total Postage & Fees	\$ 6.83	09/22/2011 USPS

Sent NADEL AND GUSSMAN HEYCO, LLC  
PO BOX 193  
ROSWELL NM 88202

PS Form 3800, August 2006 See Reverse for Instructions

U.S. Postal Service  
CERTIFIED MAIL RECEIPT  
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

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Return Receipt Fee (Endorsement Required)	\$2.30	Postmark Here SEP 22 2011
Restricted Delivery Fee (Endorsement Required)	\$0.00	
Total Postage & Fees	\$ 6.83	09/22/2011 USPS

Sent Linn Operating, Inc  
600 Travis Street  
Suite 5100  
Houston, TX 77002

PS Form 3800, August 2006 See Reverse for Instructions

7010 1670 0001 9631 5564

7010 0780 0000 0765 3815

7007 0710 0002 5069 8967

7010 1670 0001 9631 5557



RECEIVED OGD

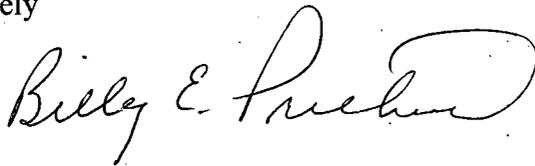
Pueblo West Consulting  
125 Greathouse Village  
Decatur, TX 76234

2011 SEP 26 A 1:26  
9/22/2011

New Mexico Oil Conservation Division  
Engineering Bureau  
1220 South St. Francis Drive  
Santa Fe, NM 87505

Please find enclosed 2 copies of NMOCD form C108, original affidavit of publication as well as current in-active well list for Judah Oil, L.L.C.

Sincerely



Billy(Bill)E.Prichard

**Jones, William V., EMNRD**

---

**From:** Jones, William V., EMNRD  
**Sent:** Wednesday, October 26, 2011 6:04 PM  
**To:** 'billy@pwllc.net'; 'james campanella'  
**Cc:** Ezeanyim, Richard, EMNRD; Dade, Randy, EMNRD; Shapard, Craig, EMNRD; 'Wesley\_Ingram@blm.gov'; Phillips, Dorothy, EMNRD  
**Subject:** Disposal application from Judah Oil, LLC: Oxy Doc Slawin Federal #2 30-015-32585  
Wolfcamp target 8160 - 9440 feet

Hello Billy and Blaise,

We got copied on concerns by the BLM, but also looked this over today.

*How only*

- a. ✓ Please ask a geologist, preferably our Artesia geologist, to pick the top of the Bone Spring, the Wolfcamp, the Cisco and the Canyon (4 formation tops).
- b. ✓ If the proposed disposal interval is not all Wolfcamp, then it needs to be readvertised as to the correct formation names along with the proposed depths.
- c. ✓ The drill report showed lost circulation mainly in the lower portion of this proposed interval – why do you want to include the interval above 9000 feet?
- d. ✓ Please have a log analyst/geologist to look over the available data (mudlog/elogs) and sign a statement as to the likely oil/gas producability of the proposed disposal interval. The upper portion of this interval is of concern.
- e. ✓ We got a note from Sandridge stating they no longer operated the Skelly Unit – our records show Linn Energy now does (and they were notified).
- f. ✓ Our records show Oxy USA WTP LP still operates this well as a marginal Morrow producer – and they are still reporting production. *C. of O. Prod 1-2 MCF/DAY*
- g. ✓ To allow a disposal permit for this well, we must look at the Rule 5.9 status for the current and future operator. Oxy USA WTP LP shows to need a single well bond for one of its wells, so that company is out of compliance with Rule 5.9 at this time. OXY must work with the district offices and with Dorothy Phillips to fix that issue. Since there is a 5.9 issue, we can't issue this permit.
- h. ✓ The BLM is objecting, so we can't issue the permit administratively for that reason also.
- i. ✓ The Cement on this well did not circulate under the DV tool, which is understandable after reading the drill reports – but the actual cement top below the DV tool must be determined with a CBL and the cement top must be at least as high as your lowermost proposed disposal interval prior to using this well.

*Handwritten initials and scribbles*

Thank You,

William V Jones, P.E.  
Engineering, Oil Conservation Division  
1220 South St. Francis Drive, Santa Fe, NM 87505  
Tel 505.476.3448 ~ Fax 505.476.3462



**Jones, William V., EMNRD**

---

**From:** Ingram, Wesley W [wingram@blm.gov]  
**Sent:** Thursday, September 29, 2011 3:46 PM  
**To:** Jones, William V., EMNRD  
**Subject:** Judah Oil LLC proposed SWD wells  
**Attachments:** Proposals by Judah Oil Oxy Doc Slawin and Dow B 28 092911.docx

Will,

I am attaching a review of two wells that Judah Oil LLC has proposed for salt water disposal wells. For the OXY Doc Slawin Federal 2 (30-015-32585), the BLM is presently objecting. For the Dow B 28 Federal 2 (30-015-28676), there is not an objection, but several items that will be required prior to allowing injection.

Sincerely,  
Wesley W. Ingram  
Supervisory Petroleum Engineer  
Carlsbad Field Office  
620 E. Greene Street  
Carlsbad, NM 88220  
575-234-5982

Proposals by Judah Oil, L.L.C. for commercial SWD conversions.

**Oxy Doc Slawin Federal #2 - 30-015-32585**

1. Judah Oil, L.L.C. is not the operator of this well. Therefore, until they are operator, BLM will object to the application.
2. Well is showing shut-in since July 2011.
3. The well is still operated by OXY USA WTP, Ltd.
4. The current or future operator will need to verify that there is no production in paying quantities in the zones up to the base of the San Andres as the well was drilled for hydrocarbons and all zones shall be depleted prior to conversion. The San Andres and formations above are in a lease waterflood.
5. In addition, the production casing cement job would require remedial cementing as the top of cement is within 460' of the proposed upper perforation and does not tie back to the intermediate casing.
6. The proposed plug back schematic does not meet BLM requirements.
7. According to the completion report, the Wolfcamp starts at 8544', 384' below what operator has proposed for perforations. Perforation zone would need to be verified that it is all Wolfcamp.
8. Application references the Tracey 29 Federal 1, which was renamed the Biscuit Hills SWD 1, and this well was not plugged correctly as the top of Morrow and DV tool were not covered – final plugging requirements will need to address this.

~~**Dow B 28 Federal 2 - 30-015-28676**~~

~~The following would have to be addressed prior to BLM approving this well as an injection well.~~

- ~~1. The production casing cement job would require remedial cementing as the top of cement does not tie back to the intermediate casing.~~
- ~~2. The operator will need to verify that there is no production in paying quantities in any formation from the top of the Morrow to surface. This well was drilled for hydrocarbons and all zones shall be depleted prior to conversion.~~
- ~~3. The proposed plug back schematic does not meet BLM requirements.~~
- ~~4. The Skelly Unit #161 plugging would be more acceptable if the stub plug extended to below the TOC by 75'. This could be a potential problem in the long term.~~

**Jones, William V., EMNRD**

---

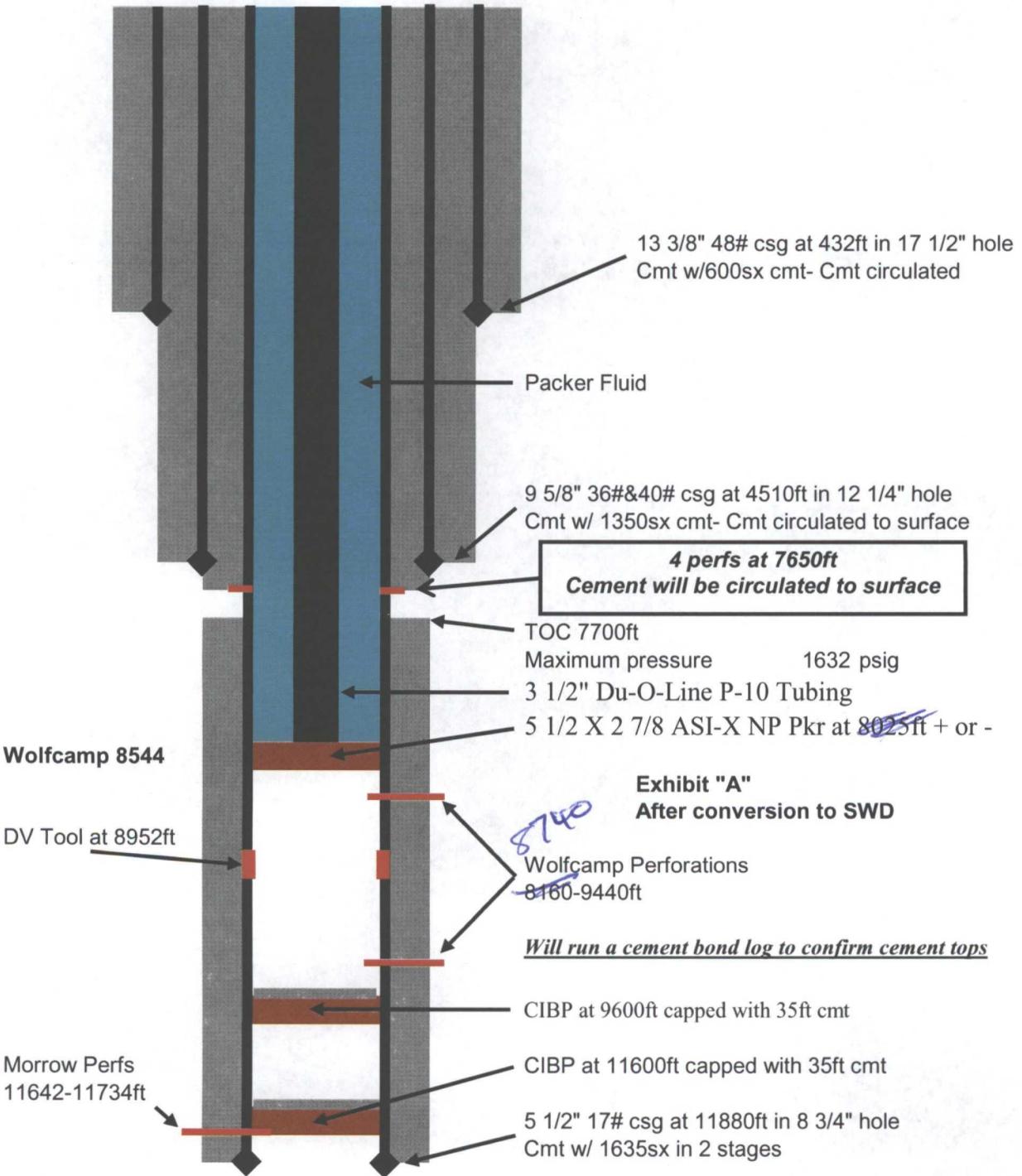
**From:** billy@pwllc.net  
**Sent:** Wednesday, December 07, 2011 7:27 AM  
**To:** Jones, William V., EMNRD  
**Cc:** Blaise Campanella; jbc@judahoil.com; Vanwelch2@aol.com  
**Subject:** Doc Slawin Federal # 2 - SWD application  
**Attachments:** 3001532585 12072011.xls; Doc 2 Oil Pot 5dec11.doc

Will, Per my conversation with Blaise yesterday, please find attached a revised well bore drawing of the Doc Slawin after conversion to SWD. Squeeze holes would be shot at 7650ft and cement circulated to the surface...A cement bond log will be run to determine cement tops. Also attached is an evaluation of the logs and mud logs on the Doc #2...

Thanks

Billy (Bill) E. Prichard  
Pueblo West Consulting  
125 Greathouse Village  
Decatur, TX 76234  
432-934-7680 cellular  
940-627-5449 fax  
email; [billy@pwllc.net](mailto:billy@pwllc.net)  
[www.pwllc.net](http://www.pwllc.net)

Judah Oil, LLC  
 Doc Slawin Federal SWD # 002  
 API 30-015-32585  
 1780 FSL X 660 FEL  
 Unit Letter "I" Section 29, T17S, R31E  
 Eddy County, NM



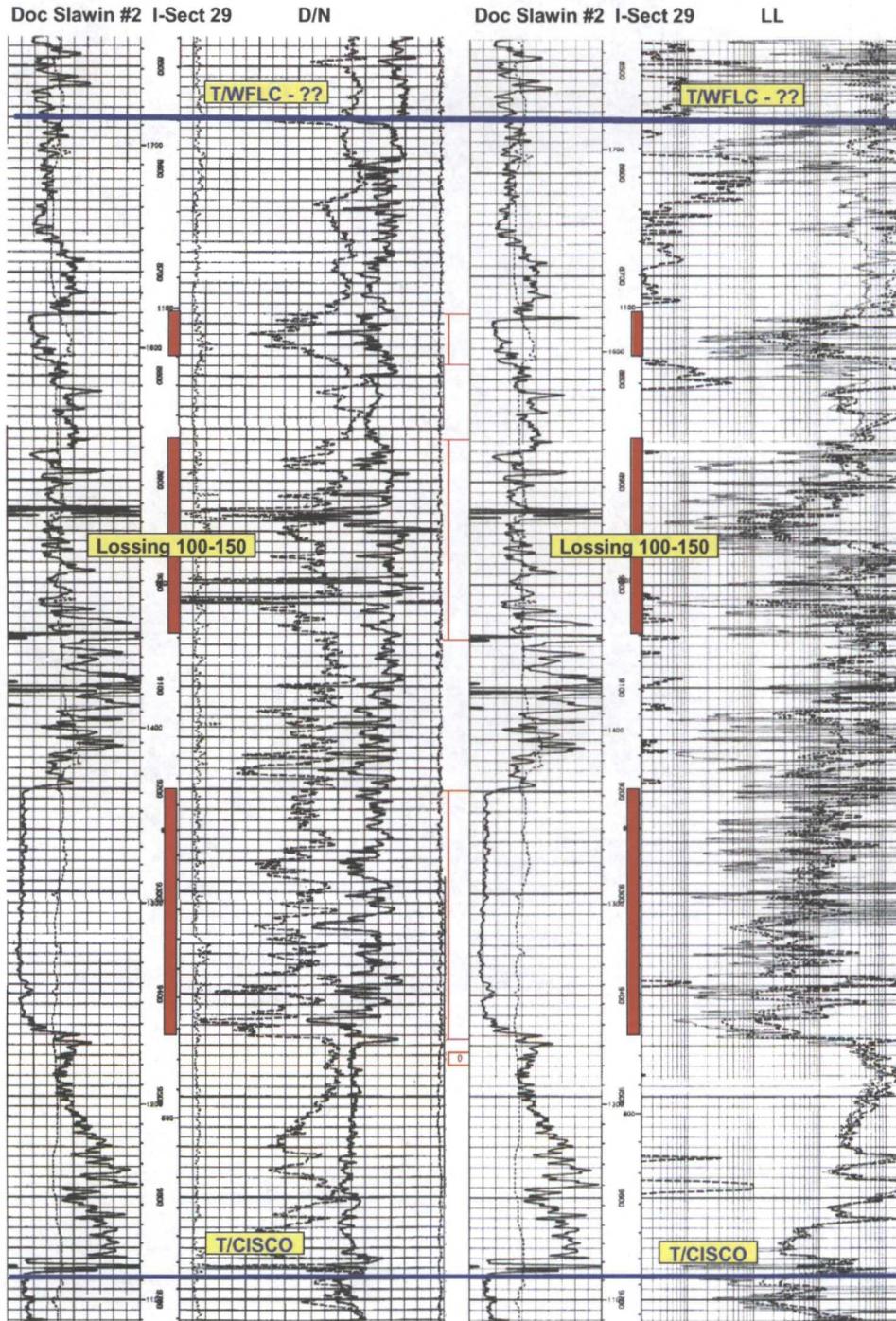
BEP

Drawing not to scale

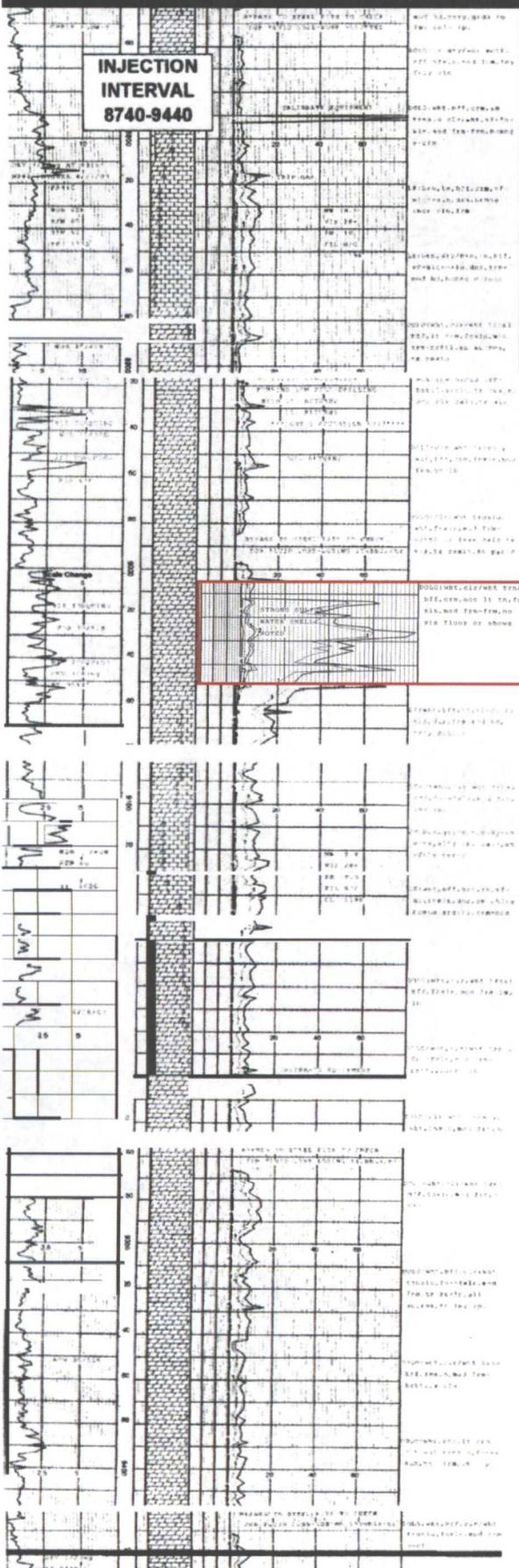
[www.pwllc.net](http://www.pwllc.net)

## Doc Slawin Fed No 2 (A-29-T17S\*R31E; API# 3001532585) Oil Potential

The Doc Slawin No 2 injection interval 8740-9440 feet (Density/Neutron and Lateral Logs shown below) and surrounding wells were reviewed by George Scott (GS), Petroleum Geologist, for production potential.



The Doc Slawin No 2 mud log over the injection interval, shown below, was reviewed and there is only one very minor gas show from 8920-8960 feet.



**INJECTION  
INTERVAL  
8740-9440**

STANDARD LOGS  
WATER INJECTION  
LOGS

RESISTIVITY LOGS  
GAMMA RAY LOGS  
CALCULATED LOGS

This was a very minor gas show and only averaged 50 total gas units. It had a sulfur water smell and didn't have any fluorescence or shows. GS ran log analysis to determine water saturation values over the proposed disposal interval 8740-9440 feet in the Wolfcamp formation.

This area is known to produce sulfur water throughout the Wolfcamp and Cisco formations. This is based on the mud log on Doc Slawin 2 (just discussed) and the Jamoca which recently produced sulfur water on test in the Cisco during completion operations to recomplete as a water disposal well. Considering sulfur water corrections, a  $R_w$  value of 0.180 was used to calculate water saturations. Matrix porosities ranged from 4% to over 16% in the Doc Slawin No 2 and water saturation values determined from log analysis over the proposed Wolfcamp injection interval range from approximately 70% to 90%. Also, no DLL-msfl corrections were made for drilling fluid filtrate invasion, which would increase calculated water saturation values which indicate all intervals to be water-productive formation. Particularly when a "Tornado" chart correction is made to deep resistivity measurements due to drilling fluid invasion, as  $R_{mf}$  of 0.046 was reported on the well logs at the time of logging.

**Pueblo West**

**9/22/2011**

Per the rules and regulations of the New Mexico Oil Conservation Division you are being provided a copy of NMOCD form C108.

Judah Oil,L.L.C. PO Box 568, Artesia, New Mexico 88211 has filed form C108(Application for Authorization to Inject) seeking administrative approval for the conversion of the Oxy Doc Slawin Federal # 002, API # 30-015-32585, 1780 FSL X 660 FEL, Unit Letter "I", Section 29, T17S, R31E, Eddy County, New Mexico from a shut in Morrow gas well to a Wolfcamp commercial salt water disposal well. The disposal interval is the Wolfcamp formation through perforations 8160-9440 feet. Disposed fluid would be produced water trucked in from numerous producing formations in southeastern New Mexico. Anticipated disposal pressure of 0 psig with a maximum disposal pressure of 1632 psig. Anticipated disposal rate of 10000 barrels of water per day with a maximum disposal rate of 15000 barrels of water per day.

Well is located approximately 30.2 miles east of Artesia, New Mexico

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 with in 15 days. Additional information can be obtained by contacting Blaise Campanella 5757485488

Sincerely,



Billy(Bill)E.Prichard  
Pueblo West Consulting  
125 Greathouse Village  
Decatur, TX 76234  
4329347680 cellular and text  
9406275449 fax  
Email; [billy@pwllc.net](mailto:billy@pwllc.net)  
[www.pwllc.net](http://www.pwllc.net)

RECEIVED OGD  
SEP 27 11:45

RECEIVED  
SEP 27 2011  
REGULATORY DEPT  
SANDRIDGE ENERGY

Injection Permit Checklist (11/15/2010)

WFX PMX SWD 1312 Permit Date 12/2/11 UIC Qtr (0/N/D)

# Wells 1 Well Name(s) SLAWN Federal #2

API Num: 30-0 15-32585 Spud Date: 3/29/03 New/Old: N (UIC primacy March 7, 1982)

Footages 1780 FSL/666 FEL Unit I Sec 29 Tsp ITS Rge 31E County EDDY

General Location: 30 mi East of ARTESIA, North of Reef

Operator: JUDAH OIL, LLC Contact Blaise Comanella / Bill Pritchard

OGRID: 245872 RULE 5.9 Compliance (Wells) 1/35 (Finan Assur) OK IS 5.9 OK? OK

Well File Reviewed Monrow Current Status: SI Gas well (Refilled)

Planned Work to Well:

Diagrams: Before Conversion  After Conversion  Elogs in Imaging File:

8272  
17484

8272  
17484

8160  
16320

lost circ  
on lower  
portion  
of TMS

Well Details: Hole, Pipe, Setting Depths, Stage Tool, Cement Sx or Cf, Determination Method

Well Details:	Hole	Pipe	Setting Depths	Stage Tool	Cement Sx or Cf	Determination Method
New_Existing_Surface	17 1/2	13 3/8	432	-	600 SX	CIRC
New_Existing_Interm	12 1/4	9 5/8	4550	-	1350 ST	CIRC
New_Existing_LongSt	8 3/4	5 1/2	11,880 <del>8722</del>	3952	(725) 915	7900 CBL
New_Existing_Liner						
New_Existing_OpenHole						

Just note?  
CIRC  
below?

Depths/Formations: Depths, Ft., Formation, Tops?

Depths/Formations:	Depths, Ft.	Formation	Tops?
Formation(s) Above	8544	Bone Sp. WC	<input checked="" type="checkbox"/>
Injection TOP:	<del>8272</del> 8272	WC.	Max. PSI <del>1632</del> 1748
Injection BOTTOM:	9440	WC.	Tubing Size 3 1/2 Packer Depth 8025 1/4
Formation(s) Below	10764	Stream	<input checked="" type="checkbox"/>

Capitan Reef? (Potash? Noticed?) [WIPP? Noticed?] Salado Top/Bot 707-1430 Cliff House?

Fresh Water: Depths: Formation Wells? None Analysis? NO Affirmative Statement

Disposal Fluid Analysis? Sources: Commercial (ABO (ON/CBS/SA/GOR/YS) of monrow)

Disposal Interval: Analysis? Production Potential/Testing: See WRTEUP/MUDLOG

Notice: Newspaper Date 4/26/11 Surface Owner BLM Mineral Owner(s)

RULE 26.7(A) Affected Persons: LINN/COG/LEVE/VF/HERCO+NG/Metrium/Coated SKelly UNIT=?

AOR: Maps?  Well List?  Producing in Interval?  Wellbore Diagrams?

.....Active Wells 1 Repairs? 0 Which Wells?

.....P&A Wells 1 Repairs? 0 Which Wells?

Issues: Run CBL STILL OXY, well still Repairing Monrow Request Sent Reply: