

30-025-36529

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

HOBBS OCD

- [B] Offset Operators, Leaseholders or Surface Owner

NOV 12 2014

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

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- [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.

Jimmie T. Cooper
Print or Type Name

Jimmie T. Cooper
Signature

owner
Title

11/4/2014
Date

Send to: jtcooper@nmocd.state.nm.us
e-mail Address

11/13/14

APPLICATION FOR AUTHORIZATION TO INJECT

I. PURPOSE: Secondary Recovery Pressure Maintenance Disposal Storage
Application qualifies for administrative approval? Yes No

II. OPERATOR: J. Cooper Enterprises, Inc.

ADDRESS: Box 55 Monument, New Mexico 88265

CONTACT PARTY: Jimmy Cooper PHONE: 575-369-7108

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.

HOBBS OCD

VII. Attach data on the proposed operation, including:

NOV 12 2014

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.).

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*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: Eddie W. Seay TITLE: Agent

SIGNATURE: Eddie W. Seay DATE: 10/30/2014

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: filed by Cimarex when drilled in 2004.

DISTRIBUTION: Original and one copy to Santa Fe with one copy to the appropriate District Office

MONUMENT

UNICE MONUMENT
UNIT 16
ILL PET.(OPER)

ATTACHMENT TO APPLICATION C-108

Cooper 8 well #2 (API 30-025-36529)
Unit H, Sect. 8, Tws. 20 S., Rng. 37 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) 3 1/2" coated tubing.
 - 4) Arrow Stainless Steel - Lock Set.

- B.
 - 1) Injection formation is the Lower San Andres
 - 2) Injection interval 4300' to 4900'.
 - 3) Well was drilled as a producer.
 - 4) The next higher producing zone is the Upper SA at approximately 3762'.
The next lower producing zone is the Glorieta at approximately 5129'.

IV. NO.

V. MAP ATTACHED.

VI. LIST OF WELLS AND DATA ATTACHED.

VII. J. Cooper Ent. plans to re-enter the proposed well. Install anchors and wellhead. Clean out cement plugs down to approximately 4900'. Test casing for leaks. Run in hole and selectively perforate 5 1/2" casing from 4300' to 4900', acidize as needed. Go in hole with 3 1/2" coated tubing and packer, and set at approximately 4200' or 100 feet of top perforations. Load with packer fluid and run MIT as OCD requires and put on injection.

- 1) Plan to inject approximately 10,000 bpd of produced water from various sources of production.
 - 2) Closed system, commercial.
 - 3) Average injection pressure should be approximately 800# to 1200# or whatever limit OCD allows.
 - 4) Analysis attached, only produced water.
 - 5) Produced water from various sources..
-
- VIII. The proposed disposal formation is interbedded shale and limestone. The primary geologic formation is the Lower San Andres from 4300' to 4900'.

The fresh water formation in the area is the Alluvium which ranges in thickness from 20' to 30'. Analysis of water well attached.

IX. ACID AS NEEDED.

X. PREVIOUSLY SUBMITTED TO OCD.

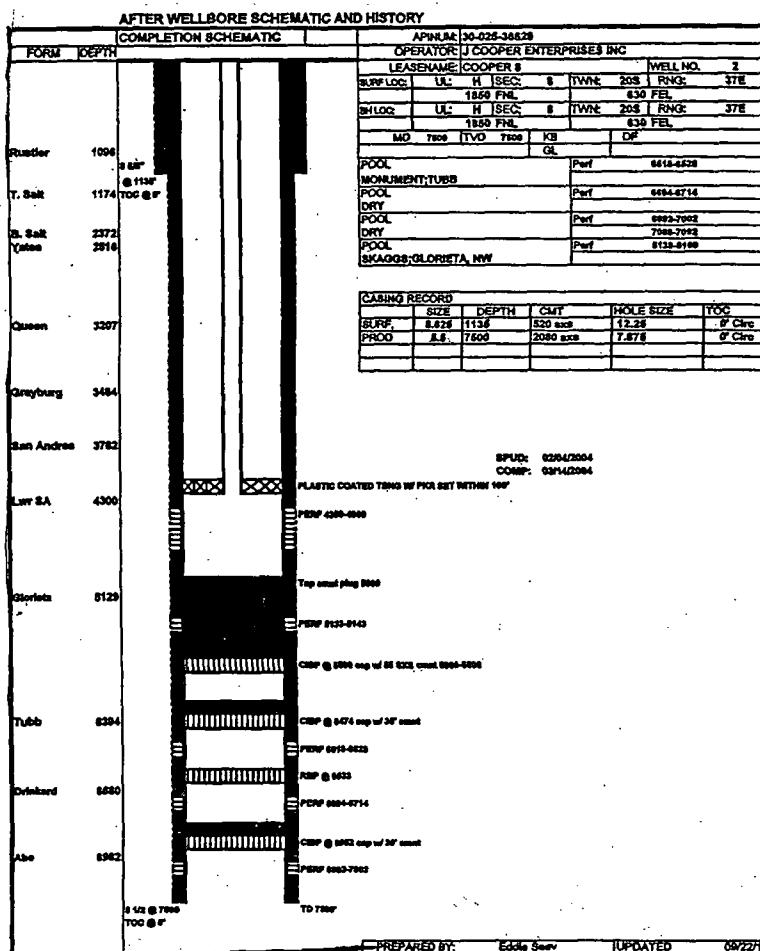
XI. ATTACHED.

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.

Side 1

INJECTION WELL DATA SHEET

OPERATOR: J. Cooper Enterprise Inc.WELL NAME & NUMBER: Cooper 8 #2 (API 30.025.36529)WELL LOCATION: 1850/N 630/E
FOOTAGE LOCATIONH
UNIT LETTER8
SECTION20
TOWNSHIP37 E
RANGEWELLBORE SCHEMATIC

None

WELL CONSTRUCTION DATA
Surface CasingHole Size: 12.25Casing Size: 8.625Cemented with: 525 SX. or _____ ft³Top of Cement: SurfaceMethod Determined: CircIntermediate Casing

NA

Hole Size: _____

Casing Size: _____

Cemented with: _____ SX. or _____ ft³

Top of Cement: _____

Method Determined: _____

Production CasingHole Size: 7.875Casing Size: 5.5Cemented with: 2080 SX. or _____ ft³Top of Cement: SurfaceMethod Determined: CircTotal Depth: 7500Injection Interval

4300 feet to 4900

(Perforated or Open Hole; indicate which)

INJECTION WELL DATA SHEET

Tubing Size: 3 $\frac{1}{2}$ Lining Material: IPC
Type of Packer: Stainless Steel Arrow set
Packer Setting Depth: 4200'
Other Type of Tubing/Casing Seal (if applicable): NONE

Additional Data

1. Is this a new well drilled for injection? _____ Yes No

If no, for what purpose was the well originally drilled?

Production

2. Name of the Injection Formation: Lower San Andres

3. Name of Field or Pool (if applicable): Monument Field

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.

5133 - 5143 ; 6518 - 6528 ; 6694 - 6714 ; 6992 - 7092 See schematic

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:

Upper SA 3762

Glorietta 5129

DISPOSAL WELL

30-025-36529	COOPER 8	2	CIMAREX ENERGY CO. of COLORADO	7500	O	A	Lea	P	H	8	20	S	37	E	1850	N	630	E
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Wells within 0.5 miles of proposed disposal well.

API #	PROPERTY NAME	#	OPERATOR	TD	TYPE	STATUS	CO	LAND	U/L	SEC	TWN	RNG	N/S	E/W	5280	5280		
30-025-05906	NORTH MONUMENT G/SA UNIT	16	APACHE CORP	3895	O	A	Lea	P	P	5	20	S	37	E	660	S	660	E
30-025-05889	NORTH MONUMENT G/SA UNIT	13	APACHE CORP	3890	O	P	Lea	P	M	4	20	S	37	E	660	S	660	W
30-025-35870	LAUGHLIN	8	CIMAREX ENERGY CO. of COLORADO	6800	O	A	Lea	P	M	4	20	S	37	E	330	S	700	W
30-025-06005	BRITT-LAUGHLIN COM	4	ENERVEST OPERATING L.L.C.	3890	G	P	Lea	P	A	8	20	S	37	E	660	N	660	E
30-025-36147	LAUGHLIN 8	1	CIMAREX ENERGY CO. of COLORADO	7500	O	A	Lea	P	A	8	20	S	37	E	660	N	990	E
30-025-06012	BERTIE WHITMIRE	2	OXY USA INC	3891	G	P	Lea	P	B	8	20	S	37	E	660	N	1980	E
30-025-06016	BERTIE WHITMIRE	6	OXY USA INC	7500	O	A	Lea	P	B	8	20	S	37	E	990	N	2310	E
30-025-36331	BERTIE WHITMIRE	11	OXY USA INC	7500	O	P	Lea	P	B	8	20	S	37	E	660	N	1650	E
30-025-06011	BERTIE WHITMIRE	1	OXY USA INC	3882	G	P	Lea	P	G	8	20	S	37	E	1980	N	1980	E
30-025-06017	E M E SWD	8	RICE OPERATING COMPANY	5710	SWD	A	Lea	P	G	8	20	S	37	E	1980	N	2310	E
30-025-06014	BERTIE WHITMIRE	4	GULF OIL CORP	3881	O	P	Lea	P	H	8	20	S	37	E	1980	N	660	E
30-025-20686	BERTIE WHITMIRE	9	OXY USA INC	3845	G	A	Lea	P	H	8	20	S	37	E	1980	N	330	E
30-025-06032	T ANDERSON	2	TEXACO EXPL & PROD INC	3880	O	P	Lea	P	I	8	20	S	37	E	1980	S	660	E
30-025-25292	THEODORE ANDERSON	13	CHEVRON U S A INC	6963	O	P	Lea	P	I	8	20	S	37	E	2223	S	853	E
30-025-33296	T ANDERSON	5	CHEVRON U S A INC	5850	O	P	Lea	P	I	8	20	S	37	E	1650	S	430	E
30-025-06030	T ANDERSON	1	TEXACO EXPL & PROD INC	3877	O	P	Lea	S	J	8	20	S	37	E	1980	S	1980	E
30-025-06031	T ANDERSON	3	CHEVRON U S A INC	5746	O	P	Lea	P	J	8	20	S	37	E	2173	S	2173	E
30-025-33236	THEODORE ANDERSON	10	CHEVRON U S A INC	6950	O	P	Lea	S	P	8	20	S	37	E	990	S	515	E
30-025-06035	V LAUGHLIN	2	APACHE CORP	3861	G	P	Lea	P	C	9	20	S	37	E	660	N	1980	W
30-025-36675	V LAUGHLIN	5	APACHE CORP	8760	O	A	Lea	P	C	9	20	S	37	E	330	N	1980	W
30-025-39899	V LAUGHLIN	8	APACHE CORP	7714	O	A	Lea	P	C	9	20	S	37	E	950	N	2310	W
30-025-06034	V LAUGHLIN	1	HESS CORPORATION	3860	O	P	Lea		D	9	20	S	37	E	660	N	560	W
30-025-37114	V LAUGHLIN	6	APACHE CORP	4597	O	P	Lea	P	D	9	20	S	37	E	805	N	350	W
30-025-39587	V LAUGHLIN	7	APACHE CORP	7700	O	A	Lea	P	D	9	20	S	37	E	330	N	330	W
30-025-40147	V LAUGHLIN	9	APACHE CORP	7700	O	A	Lea	P	D	9	20	S	37	E	990	N	940	W
30-025-06038	NORTH MONUMENT G/SA UNIT	5	APACHE CORP	3883	O	A	Lea	P	E	9	20	S	37	E	1980	N	660	W
30-025-33141	W H LAUGHLIN	7	APACHE CORP	6800	O	A	Lea	S	E	9	20	S	37	E	2310	N	940	W
30-025-39905	W H LAUGHLIN	12	APACHE CORP	7692	O	A	Lea	P	E	9	20	S	37	E	1650	N	330	W
30-025-06039	NORTH MONUMENT G/SA UNIT	6	APACHE CORP	3870	O	A	Lea	P	F	9	20	S	37	E	1980	N	1980	W
30-025-32465	W H LAUGHLIN	6	APACHE CORP	3760	G	A	Lea	P	F	9	20	S	37	E	1980	N	2250	W
30-025-34341	W H LAUGHLIN	8	APACHE CORP	7800	O	P	Lea	P	F	9	20	S	37	E	1760	N	1750	W
30-025-39909	W H LAUGHLIN	11	APACHE CORP	7700	O	A	Lea	P	F	9	20	S	37	E	2310	N	2310	W
30-025-06044	L VAN ETSEN	4	CHEVRON U S A INC	3875	O	A	Lea	P	K	9	20	S	37	E	1980	S	1980	W
30-025-32896	L VAN ETSEN	17	CHEVRON U S A INC	5575	G	P	Lea	P	K	9	20	S	37	E	1650	S	1650	W
30-025-06041	L VAN ETSEN	1	CHEVRON U S A INC	3880	G	P	Lea	P	L	9	20	S	37	E	1980	S	660	W

30-025-06049	L VAN ETSEN	9	CHEVRON U S A INC	5365	O	P	Lea	S	L	9	20	S	37	E	1650	S	990	W
30-025-32881	L VAN ETSEN	16	CHEVRON U S A INC	6000	O	P	Lea	P	L	9	20	S	37	E	1955	S	940	W
30-025-32518	L VAN ETSEN	14	CHEVRON U S A INC	7308	O	A	Lea	P	M	9	20	S	37	E	990	S	990	W

DISPOSAL WELL

30-025-36529	COOPER 8	2	CIMAREX ENERGY CO. of COLORADO	7500	O	A	Lea	P	H	8	20	S	37	E	1850	N	630	E
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Wells within 0.5 miles of proposed disposal well that penetrate the proposed disposal interval.

5280

5280

API #	PROPERTY NAME	#	OPERATOR	TD	TYPE	STATUS	CO	LAND	U/L	SEC	TWN		RNG	N/S		E/W		
30-025-35870	LAUGHLIN	8	CIMAREX ENERGY CO. of COLORADO	6800	O	A	Lea	P	M	4	20	S	37	E	330	S	700	W
30-025-36147	LAUGHLIN 8	1	CIMAREX ENERGY CO. of COLORADO	7500	O	A	Lea	P	A	8	20	S	37	E	660	N	990	E
30-025-06016	BERTIE WHITMIRE	6	OXY USA INC	7500	O	A	Lea	P	B	8	20	S	37	E	990	N	2310	E
30-025-36331	BERTIE WHITMIRE	11	OXY USA INC	7500	O	P	Lea	P	B	8	20	S	37	E	660	N	1650	E
30-025-06017	E M E SWD	8	RICE OPERATING COMPANY	5710	SWD	A	Lea	P	G	8	20	S	37	E	1980	N	2310	E
30-025-25292	THEODORE ANDERSON	13	CHEVRON U S A INC	6963	O	P	Lea	P	I	8	20	S	37	E	2223	S	853	E
30-025-33296	T ANDERSON	5	CHEVRON U S A INC	5850	O	P	Lea	P	I	8	20	S	37	E	1650	S	430	E
30-025-06031	T ANDERSON	3	CHEVRON U S A INC	5746	O	P	Lea	P	J	8	20	S	37	E	2173	S	2173	E
30-025-33236	THEODORE ANDERSON	10	CHEVRON U S A INC	6950	O	P	Lea	S	P	8	20	S	37	E	990	S	515	E
30-025-06035	V LAUGHLIN	2	APACHE CORP	3861	G	P	Lea	P	C	9	20	S	37	E	660	N	1980	W
30-025-36675	V LAUGHLIN	5	APACHE CORP	8760	O	A	Lea	P	C	9	20	S	37	E	330	N	1980	W
30-025-39899	V LAUGHLIN	8	APACHE CORP	7714	O	A	Lea	P	C	9	20	S	37	E	950	N	2310	W
30-025-37114	V LAUGHLIN	6	APACHE CORP	4597	O	P	Lea	P	D	9	20	S	37	E	805	N	350	W
30-025-39587	V LAUGHLIN	7	APACHE CORP	7700	O	A	Lea	P	D	9	20	S	37	E	330	N	330	W
30-025-40147	V LAUGHLIN	9	APACHE CORP	7700	O	A	Lea	P	D	9	20	S	37	E	990	N	940	W
30-025-33141	W H LAUGHLIN	7	APACHE CORP	6800	O	A	Lea	S	E	9	20	S	37	E	2310	N	940	W
30-025-39905	W H LAUGHLIN	12	APACHE CORP	7692	O	A	Lea	P	E	9	20	S	37	E	1650	N	330	W
30-025-34341	W H LAUGHLIN	8	APACHE CORP	7800	O	P	Lea	P	F	9	20	S	37	E	1760	N	1750	W
30-025-39909	W H LAUGHLIN	11	APACHE CORP	7700	O	A	Lea	P	F	9	20	S	37	E	2310	N	2310	W
30-025-32896	L VAN ETSEN	17	CHEVRON U S A INC	5575	G	P	Lea	P	K	9	20	S	37	E	1650	S	1650	W
30-025-06049	L VAN ETSEN	9	CHEVRON U S A INC	5365	O	P	Lea	S	L	9	20	S	37	E	1650	S	990	W
30-025-32881	L VAN ETSEN	16	CHEVRON U S A INC	6000	O	P	Lea	P	L	9	20	S	37	E	1955	S	940	W
30-025-32518	L VAN ETSEN	14	CHEVRON U S A INC	7308	O	A	Lea	P	M	9	20	S	37	E	990	S	990	W

WELLBORE SCHEMATIC AND HISTORY

		COMPLETION SCHEMATIC		APINUM: 30-025-36529	
FORM	DEPTH			OPERATOR: CIMAREX ENERGY CO. of COLORADO	
Rustler	1096	8 5/8" @ 1135'	TOC @ 0'	Plug 25 sxs 3-200	LEASENAME: COOPER 8 WELL NO. 2 SURF LOC: UL: H SEC: 8 TWN: 20S RNG: 37E 1850 FNL 630 FEL BH LOC: UL: H SEC: 8 TWN: 20S RNG: 37E 1850 FNL 630 FEL MD 7500 TVD 7500 KB DF GL
				Plug 25 sxs 997-1045	POOL Perf 6518-6528 MONUMENT;TUBB
					POOL Perf 6694-6714 DRY
				PLUG 35 sxs 2334-2556	POOL Perf 6992-7002 DRY 7088-7092
					POOL Perf 5139-5169 SKAGGS;GLORIETA, NW
T. Salt	1174				
B. Salt Yates	2372				
Queen	3207				
Grayburg	3484				
San Andres	3762			PLUG 25 sxs 3696-3826	SPUD: 02/04/2004 COMP: 03/14/2004 P&A: 10/20/2013
Glorieta	5129			PERF 5133-5143	
				CIBP @ 5500 cap w/ 55 SXS cmnt 5060-5500	
Tubb	6394			CIBP @ 6474 cap w/ 35' cmnt	
				PERF 6518-6528	
Drinkard	6680			RBP @ 6633	
				PERF 6694-6714	
Abo	6982			CIBP @ 6952 cap w/ 30' cmnt	
				PERF 6992-7092	
		5 1/2 @ 7500		TD 7500'	
		TOC @ 0'			
PREPARED BY: Eddie Seay UPDATED: 09/22/14					

AFTER WELBORE SCHEMATIC AND HISTORY

		COMPLETION SCHEMATIC			APINUM: 30-025-36529																																																																								
FORM	DEPTH				OPERATOR: J COOPER ENTERPRISES INC																																																																								
	LEASENAME: COOPER 8 SURF LOC: UL: H SEC: 8 TWN: 20S RNG: 37E BH LOC: UL: H SEC: 8 TWN: 20S RNG: 37E MD 7500 TVD 7500 KB DF GL POOL Perf 6518-6528 MONUMENT;TUBB POOL Perf 6694-6714 DRY POOL Perf 6992-7002 DRY 7088-7092 POOL Perf 5139-5169 SKAGGS;GLORIETA, NW CASING RECORD <table border="1" style="width: 100%; border-collapse: collapse;"> <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>1135</td> <td>520 sxs</td> <td>12.25</td> <td>0' Circ</td> </tr> <tr> <td>PROD</td> <td>5.5</td> <td>7500</td> <td>2080 sxs</td> <td>7.875</td> <td>0' Circ</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> SPUD: 02/04/2004 COMP: 03/14/2004 PLASTIC COATED TBNG W/ PKR SET WITHIN 100' PERF 4300-4900 Top cmnt plug 5060 PERF 5133-5143 CIBP @ 5500 cap w/ 55 SXS cmnt 5060-5500 CIBP @ 6474 cap w/ 35' cmnt PERF 6518-6528 RBP @ 6633 PERF 6694-6714 CIBP @ 6952 cap w/ 30' cmnt PERF 6992-7092 5 1/2 @ 7500 TOC @ 0' TD 7500'		SIZE	DEPTH	CMT	HOLE SIZE	TOC	SURF.	8.625	1135	520 sxs	12.25	0' Circ	PROD	5.5	7500	2080 sxs	7.875	0' Circ																			APINUM: 30-025-36529 OPERATOR: J COOPER ENTERPRISES INC LEASENAME: COOPER 8 WELL NO. 2 SURF LOC: UL: H SEC: 8 TWN: 20S RNG: 37E 1850 FNL 630 FEL BH LOC: UL: H SEC: 8 TWN: 20S RNG: 37E 1850 FNL 630 FEL MD 7500 TVD 7500 KB DF GL POOL Perf 6518-6528 MONUMENT;TUBB POOL Perf 6694-6714 DRY POOL Perf 6992-7002 DRY 7088-7092 POOL Perf 5139-5169 SKAGGS;GLORIETA, NW CASING RECORD <table border="1" style="width: 100%; border-collapse: collapse;"> <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>1135</td> <td>520 sxs</td> <td>12.25</td> <td>0' Circ</td> </tr> <tr> <td>PROD</td> <td>5.5</td> <td>7500</td> <td>2080 sxs</td> <td>7.875</td> <td>0' Circ</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> SPUD: 02/04/2004 COMP: 03/14/2004 PLASTIC COATED TBNG W/ PKR SET WITHIN 100' PERF 4300-4900 Top cmnt plug 5060 PERF 5133-5143 CIBP @ 5500 cap w/ 55 SXS cmnt 5060-5500 CIBP @ 6474 cap w/ 35' cmnt PERF 6518-6528 RBP @ 6633 PERF 6694-6714 CIBP @ 6952 cap w/ 30' cmnt PERF 6992-7092 5 1/2 @ 7500 TOC @ 0' TD 7500'					SIZE	DEPTH	CMT	HOLE SIZE	TOC	SURF.	8.625	1135	520 sxs	12.25	0' Circ	PROD	5.5	7500	2080 sxs	7.875	0' Circ																		
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Lwr SA	4300																																																																												
Glorieta	5129																																																																												
Tubb	6394																																																																												
Drinkard	6680																																																																												
Abo	6982																																																																												

WELLBORE SCHEMATIC AND HISTORY

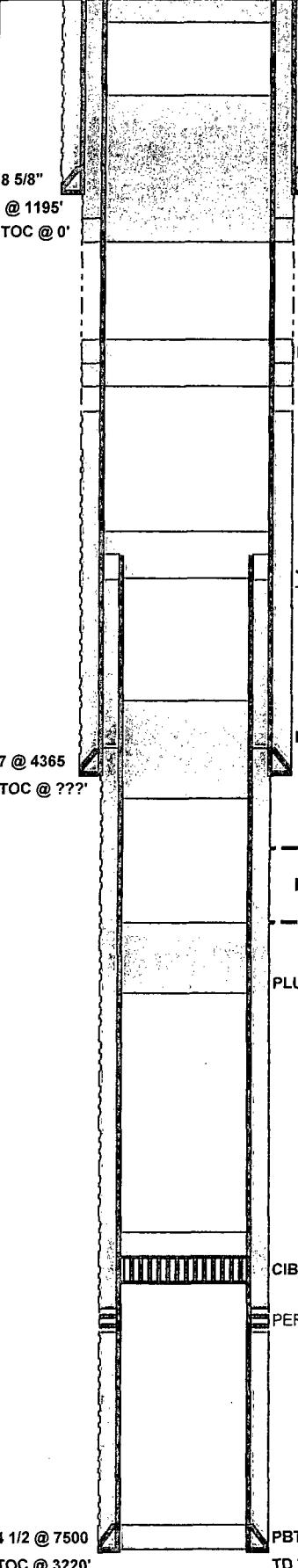
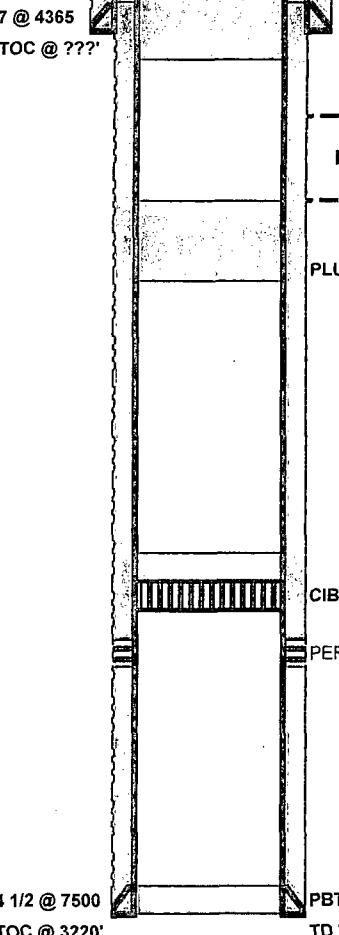
		COMPLETION SCHEMATIC		APINUM: 30-025-35870																															
FORM	DEPTH	OPERATOR: CIMAREX ENERGY CO. of COLORADO																																	
	<p>Rustler 1140 8 5/8" @ 1150' TOC @ 0'</p> <p>T. Salt 2375 B. Salt Yates 2550</p> <p>Queen 3270</p> <p>Grayburg 3566</p> <p>San Andres 3820</p> <p>Lwr SA 4320</p> <p>Glorieta 5213</p> <p>Paddock 5304</p> <p>Blinebry 5741</p> <p>Tubb 6358</p> <p>Drinkard 6678</p> <p>Abo 5 1/2 @ 6800 TOC @ 0'</p>	<p>LEASENAME: LAUGHLIN WELL NO. 8</p> <p>SURF LOC: UL: M SEC: 4 TWN: 20S RNG: 37E 330 S 700 W</p> <p>BH LOC: UL: M SEC: 4 TWN: 20S RNG: 37E 330 S 700 W</p> <p>MD 6800 TVD 6800 KB DF GL</p> <p>POOL Perf 6476-6604</p> <p>MONUMENT;TUBB</p> <p>POOL Perf</p> <p>POOL Perf</p> <p>POOL Perf</p>																																	
		<p>CASING RECORD</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <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>1226</td> <td>560 sxs</td> <td>12.25</td> <td>0' Circ</td> </tr> <tr> <td>PROD</td> <td>5.5</td> <td>6800</td> <td>1250 sxs</td> <td>7.875</td> <td>0' Circ</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>					SIZE	DEPTH	CMT	HOLE SIZE	TOC	SURF.	8.625	1226	560 sxs	12.25	0' Circ	PROD	5.5	6800	1250 sxs	7.875	0' Circ												
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		<p>DV Tool @ 3849 Stg1: 500 sxs Stg2: 750 sxs circ</p>																																	
		<p>SPUD: 04/13/2002 COMP: 05/24/2002</p>																																	
		<p>DV Tool @ 4101 Stg1: 825 sxs circ Stg2: 2475 sxs circ</p>																																	
<p>TOC Stg1: 4130' Cal</p>																																			
<p>Proposed disposal interval 4320-4980</p>																																			
<p>PERF 6476- 6604</p>																																			
<p>PBTD 6771</p>																																			
<p>TD 6800</p>																																			

WELLBORE SCHEMATIC AND HISTORY

		COMPLETION SCHEMATIC		APINUM: 30-025-36147	
FORM	DEPTH	OPERATOR: CIMAREX ENERGY CO. of COLORADO			
		LEASENAME: LAUGHLIN 8		WELL NO. 1	
		SURF LOC: UL: A SEC: 8	TWN: 20S	RNG: 37E	
		660 N	990 E		
		BH LOC: UL: A SEC: 8	TWN: 20S	RNG: 37E	
		660 N	990 E		
		MD 7500	TVD 7500	KB	DF
				GL	
Rustler	1100	POOL	Perf	6502-6510	
T. Salt	TOC @ 0'	MONUMENT;TUBB			
B. Salt	2380	POOL	Perf	7278-7288	
Yates	2522	MONUMENT;ABO, SOUTHEAST			
		POOL	Perf	6680-6700	
		WEIR;DRINKARD			
		POOL	Perf		
		CASING RECORD			
Queen	3208	SURF.	SIZE 8.625	DEPTH 1195	CMT 560 sxs
		PROD	4.5	7500	750 sxs
					12.25
					0' Circ
					0' Circ
Grayburg	3485	DV Tool @ ???? Stg1: 500 sxs Stg2: 750 sxs circ			
San Andres	3766	SPUD: 04/15/2003 COMP: 05/15/2003			
		Proposed disposal interval 4270-4900			
Glorieta	5130				
Tubb	6335	PERF 6502-6510			
Drinkard	6521	PERF 6680-6700	DHC-4373		
Abo	7018	PERF 7278-7288			
		PBTD @ 7220			
		TD 7500'			
		4 1/2 @ 7500			
		TOC @ 0'			
PREPARED BY:			Eddie Seay	UPDATED	09/22/14

WELLBORE SCHEMATIC AND HISTORY

WELLBORE SCHEMATIC AND HISTORY

COMPLETION SCHEMATIC				APINUM: 30-025-36331	OPERATOR: OXY USA INC		
FORM	DEPTH		PLUG 25 sxs	LEASENAME: BERTIE WHITMIRE		WELL NO. 11	
Rustler T. Salt B. Salt Yates Queen Grayburg San Andres Glorieta Tubb Drinkard Abo	1090		PLUG 25 sxs	SURF LOC: UL: B SEC: 8 TWN: 20S RNG: 37E BH LOC: UL: B SEC: 8 TWN: 20S RNG: 37E MD 7500 TVD 7500 KB DF GL	660 FNL 1650 FEL 660 FNL 1650 FEL	WELL NO. 11 37E 37E DF	
	2372						
	2422						
	3148						
	3460						
	3710		7 @ 4365 TOC @ ???'		PERF @ 4000 PLUG 50 sxs 3658-4510	SPUD: 07/23/2003 COMP: 09/20/2003 P&A: 03/05/2011	
	5085				Proposed disposal interval 4210-4885		
	6312				PLUG 50 sxs 4860-5580		
	6518				CIBP @ 6420 cap w/ 25' cmnt		
	6934				PERF 6475-6484		
		4 1/2 @ 7500 TOC @ 3220'	PBTD @ 7453 TD 7500'	PREPARED BY: Eddie Seay UPDATED 09/22/14			

WELLBORE SCHEMATIC AND HISTORY

COMPLETION SCHEMATIC		APINUM: 30-025-06017					
FORM	DEPTH	OPERATOR: RICE OPERATING COMPANY					
	<p>LEASENAME: E M E SWD WELL NO. 8</p> <p>SURF LOC: UL: G SEC: 8 TWN: 20S RNG: 37E 1980 N 2310 E</p> <p>BH LOC: UL: G SEC: 8 TWN: 20S RNG: 37E 1980 N 2310 E</p> <p>MD 5710 TVD 5710 KB DF GL</p> <p>POOL Perf 5650-5705</p> <p>MONUMENT;BLINEBRY</p> <p>POOL Perf 5170-5240</p> <p>MONUMENT;PADDOCK 5031-5068</p> <p>POOL Perf 4300-4852</p> <p>SWD;SAN ANDRES</p>	TOC 7" @ 2550					
		CASING RECORD					
		SURF.	SIZE	DEPTH	CMT	HOLE SIZE	TOC
		INTM1	13.375	463	475 sxs	17.5	0' Circ
		PROD	9.625	2900	1600 sxs	12.25	0' Circ
			7	5709	735 sxs	8.75	2550
		PROD DV Tool @ 3553 TS shows no cmnt above 3553'					
		Queen	3165	DV Tool @ 3553 TOC @ 3533			
		San Andres	3855	SPUD: 11/28/1953 COMP: 02/07/1954 P&A: 05/06/1975 RE-ENT: 03/12/1982			
		Lwr SA	4300	PERF 4300-4852			
Glorieta	5080	CIBP @ 5010 CAP W/ 52' CMNT PERF 5031-5038 PERF 5112-5152 PERF 5650-5240 SQZ					
Tubb	5709	7 @ 5709 TOC @ 3533'					
Drinkard	5709	TD 5710					
Abo	5709	TD 5710					

WELLBORE SCHEMATIC AND HISTORY

		COMPLETION SCHEMATIC		APINUM: 30-025-20686				
FORM	DEPTH	OPERATOR: OXY USA INC						
Rustler	1092	<p>9 5/8" @ 1136' TOC @ 0'</p>	LEASENAME: BERTIE WHITMIRE		WELL NO. 9			
			SURF LOC:	UL: H	SEC: 8	TWN: 20S	RNG: 37E	
				1980 FNL		330 FEL		
			BH LOC:	UL: H	SEC: 8	TWN: 20S	RNG: 37E	
				1980 FNL		330 FEL		
			MD	3884	TVD	3884	KB	DF
							GL	
			POOL					Perf 3715-3765
			MONUMENT;GRAYBURG-SAN ANDRES					
			POOL					Perf 3500-3536
					3592-3665			
					2517-2819			
EUMONT;Y-7RVRS-QU								
POOL					Perf			
CASING RECORD								
	SIZE	DEPTH	CMT	HOLE SIZE	TOC			
SURF.	9.625	1136	550 sxs	12.25	0' Circ			
PROD	7	3884	900 sxs	8.75	0' Cal			
Yates	2514	PERF 2517-2819						
Queen	3203	CIBP @ 3180 cap w/ 50' cmnt						
Grayburg	3443	DV TOOL @ 3490 Stg1 75 sxs circ Stg2 825 sxs						
		PERF 3500-3536						
		CIBP @ 3560						
		PERF 3592-3665						
		CIBP @ 3700 cap w/ 2 sxs cmnt						
San Andres	3770	PERF 3715-3765						
		TD 3884						
		7 @ 3884 TOC @ 0'						
Proposed disposal interval 4210-4885								
PREPARED BY:			Eddie Seay		UPDATED 09/22/14			

WELLBORE SCHEMATIC AND HISTORY

		COMPLETION SCHEMATIC		APINUM	30-025-25292									
FORM	DEPTH			OPERATOR	CHEVRON U S A INC									
					LEASENAME			WELL NO.						
		THEODORE ANDERSON			13									
		SURF LOC:			UL:	1	SEC:	8	TWN:	20S	RNG:	37E		
		2223 S								853 E				
		BH LOC:			UL:	1	SEC:	8	TWN:	20S	RNG:	37E		
		2223 S								853 E				
		MD 6963			TVD	6963	KB		DF					
							GL							
Rustler	1095	PLUG ZONITE 0-30'												
T. Salt		PLUG ZONITE 245-367'												
B. Salt		PLUG ZONITE 1048-1155			POOL MONUMENT;PADDOCK					Perf	5205-5210 Sqz			
Yates	2435				POOL MONUMENT;BLINEBRY					Perf	5610-6170 Sqz			
					POOL EUNICE MONUMENT;Y-7R-QU					Perf	3128-3386 Sqz			
					POOL MONUMENT;TUBB					Perf	6395-6515			
		PLUG ZONITE 2695-2885												
		PERF 2835 Sqz 450 sxs cmnt circ			CASING RECORD									
		TOC @ 2844			SURF.	SIZE	DEPTH	CMT	HOLE SIZE	TOC				
		PLUG ZONITE 2947-3100			INTM1	9.625	2748	1300 sxs	12.25	0' Circ				
Queen	3180	PERF 3128-3386			PROD	7	4924	668 sxs	8.75	2844 CBL				
Grayburg	3450				LINER	5	4693-6963	858 sxs	6.125	4693				
San Andres	3870									SPUD:	08/14/1976			
										COMP:	12/13/1976			
Lwr SA	4300									P&A:	04/05/2002			
Glorieta	5097	7 @ 4924 TOC @ 2844'			Proposed disposal interval 4300-4870									
		TOL @ 4693' TOC @ 4693												
		PLUG 200 sxs cmnt 4403-5684 SQZ 5205-5210												
		PERF 5593-5983 CIBP @ 5690												
		PERF 5593-5983												
		CIBP @ 6650 cap w/ 35' cmnt												
Tubb	6311	PERF 6313-6572												
Drinkard	6647	CIBP @ 6650 cap w/ 35' cmnt												
Abo	6945	PERF 6660-6893												
		5" @ 6963 TOC @ 4693'			TD 6963'									
PREPARED BY:					Eddie Seay			UPDATED		09/22/14				

WELLBORE SCHEMATIC AND HISTORY

		COMPLETION SCHEMATIC		APINUM: 30-025-33296				
FORM	DEPTH			OPERATOR: CHEVRON U S A INC				
	1084 8 5/8" @ 1150' TOC @ 0' 2308 2430		LEASENAME: T ANDERSON SURF LOC: UL: I SEC: 8 TWN: 20S RNG: 37E BH LOC: UL: I SEC: 8 TWN: 20S RNG: 37E MD 5850 TVD 5850 KB DF GL POOL Perf 5580-5717 MONUMENT;BLINEBRY POOL Perf 5142-5230 Sqz PADDOCK Dry POOL Perf POOL Perf	WELL NO. 5				
				Rustler	1084			
				T. Salt				
				B. Salt Yates	2308			
				Queen	3170			
				Grayburg	3400			DV Tool @ 3680 Stg1: 500 sxs Stg2: 2100 sxs circ
				San Andres	3877			SPUD: 10/25/1995 COMP: 01/09/1996
				Lwr SA	4285			DV Tool @ 3680 Stg1: 500 sxs Stg2: 2100 sxs circ
				Glorieta	5103			TOC Stg1: @ ????
				Paddock	5170			Proposed disposal interval 4285-4870
Blinebry	5663			PERF 5142-5230 Sqz				
Tubb	5 1/2 @ 6800 TOC @ 0'			PLUG 90 sxs 5282-5676 PERF 5580-5717				
Drinkard				PBTD 5833				
Abo				TD 5850				
PREPARED BY: Eddie Seay UPDATED: 09/22/14								

WELLBORE SCHEMATIC AND HISTORY

COMPLETION SCHEMATIC		APINUM: 30-025-06031	
FORM	DEPTH	OPERATOR: CHEVRON U S A INC	
Rustler	1056	PERF 675' circ 185 sxs 0-675	LEASENAME: T ANDERSON WELL NO. 3 SURF LOC: UL: J SEC: 8 TWN: 20S RNG: 37E 2173 S 2173 E BH LOC: UL: J SEC: 8 TWN: 20S RNG: 37E 2173 S 2173 E MD 5746 TVD 5746 KB DF GL
T. Salt		PERF 1400' sqz PLUG 125 sxs 1124-1400	POOL Perf 5210-5235 MONUMENT;PADDOCK POOL Perf 5606-5696 MONUMENT;BLINEBRY POOL Perf
B. Salt Yates	2380	9 5/8' @ 2899' TOC @ 0'	PERF @ 3000 sqz PLUG 2589-3000
Queen	3205	TOC 3160'	CASING RECORD SIZE DEPTH CMT HOLE SIZE TOC SURF. 13.375 613 800 sxs 17.5 0' Circ INTM1 9.625 2899 1275 sxs 12.25 0' Circ PROD 7 5252 500 sxs 8.75 3160 TS LINER 4.5 5029-5743 100 sxs 6.125 5029
Grayburg	3530		PLUG 40 sxs 3600-3800
San Andres	3848		SPUD: 02/17/1954 COMP: 03/18/1954
Lwr SA	4300		P&A: 11/05/2002
Glorieta	5100		Proposed disposal interval 4300-4870
Paddock	5210	7 @ 5252 TOC @ 3160'	TOL @ 5029' TOC @ 5029' PERF 5148-5198 PERF 5210-5235
Blinebry	5589		CIBP @ 5500 cap w/ 65 sxs 4871-5500' PERF 5606-5696 4 1/2 @ 5743' TOC @ 5029'
Tubb			PBTD 5738' TD 5746'

WELLBORE SCHEMATIC AND HISTORY

		COMPLETION SCHEMATIC		APINUM:	30-025-33236				
FORM	DEPTH			OPERATOR:	CHEVRON U S A INC				
Rustler	1080	8 5/8"		PERF 400'	LEASENAME:	THEODORE ANDERSON	WELL NO.	10	
		@ 1150'		105 sxs	SURF LOC:	UL: P SEC: 8	TWN:	20S	RNG: 37E
T. Salt		TOC @ 0'		PLUG		990 S		515 E	
B. Salt	2300			0-400'	BH LOC:	UL: P SEC: 8	TWN:	20S	RNG: 37E
Yates	2445			PERF		990 S		515 E	
				@ 1275	MD 6950	TVD 6950	KB	DF	
				PLUG 40 sx			GL		
				951-1275					
Queen	3083				POOL		Perf	5600-5620	
					MONUMENT;BLINEBRY			5674-5694	
Grayburg	3469				POOL		Perf		
San Andres	3714								
Lwr SA	4285				PERF 3800 Sqz 35 sxs PLUG 3518-3850				
Glorietta	5109				PERF 4498 sQZ 25 sxs PLUG 4245-4498				
Paddock	5185				CIBP @ 4500				
Blinebry	5574				TOC @ 4550				
Tubb	6293				Proposed disposal interval 4285-4870				
Drinkard	6556								
Abo		5 1/2 @ 6950			PLUG 25 sxs 5150-5450				
		TOC @ 0'			CIBP @ 5490 Cap w/ cmnt				
					PERF 5600-5620				
					PERF 5674-5694				
					PBTD 6556				
					TD 6950				

WELLBORE SCHEMATIC AND HISTORY

COMPLETION SCHEMATIC		APINUM: 30-025-36675		OPERATOR: APACHE CORP	
FORM	DEPTH				
Rustler	1200	8 5/8"	@ 1239'	UL: C SEC: 9	TWN: 20S RNG: 37E
				330 N	1980 W
T. Salt			TOC @ 0'	BH LOC: D SEC: 9	TWN: 20S RNG: 37E
				1000 N	351 W
B. Salt Yates	2550	MD 8760	TVD 7304	KB	DF
				GL	
Queen	3195	POOL	Perf	6466-6551	
		MONUMENT; TUBB			
Grayburg	3500	POOL	Open Hole	7100-7263 Plug	
		MONUMENT; ABO, SOUTHEAST	Open Hole	7304-8670	
		POOL	Perf		
San Andres	3770	CASING RECORD			
Lwr SA	4300	SURF.	SIZE 8.625	DEPTH 1239	CMT 500 sxs HOLE SIZE 11 TOC 0' Circ
Glorieta	5150	PROD	5.5	7100	620 sxs 7.875 3770
Paddock					
Blinebry					
Tubb	6400	Proposed disposal Interval 4300-4920			
Abo	6950	DHC-3299			
		PERF 6466-6551			
		OPEN HOLE HORIZONTAL COMPLETION			
			MD 8773		
				TVD 7153	
		5 1/2 @ 7100	TOC @ 0'		
			TD 7263		
PREPARED BY: Eddie Seay UPDATED 09/22/14					

WELLBORE SCHEMATIC AND HISTORY

		COMPLETION SCHEMATIC		APINUM: 30-025-39899			
FORM	DEPTH			OPERATOR: APACHE CORP			
					LEASENAME: V LAUGHLIN		
		SURF LOC:	UL: C SEC: 9	TWN: 20S	WELL NO. 8 RNG: 37E		
			950 N		2310 W		
		BH LOC:	UL: C SEC: 9	TWN: 20S	RNG: 37E		
			950 N		2310 W		
		MD 7714	TVD 7714	KB	DF		
				GL			
		POOL			Perf 6928-6970		
					7091-7297		
					7368-7407		
		MONUMENT; ABO, SOUTHEAST			7522-7606		
		POOL			Perf		
		POOL			Perf		
		CASING RECORD					
			SIZE	DEPTH	CMT	HOLE SIZE	TOC
		SURF.	13.375	1197	1010 sxs	17.5	0' Circ
		INTM1	8.625	4805	1705 sxs	11	0' Circ
		PROD	5.5	7714	925 sxs	7.875	2723 Cal
Rustler	1127	13 3/8 @ 1197'	TOC @ 0'	TOC @ 2723'			
T. Salt							
B. Salt Yates	2365						
	2534						
Queen	3280						
Grayburg	3495						
San Andres	3826				SPUD: 11/27/2010		
Lwr SA	4300				COMP: 01/29/2011		
Glorieta	5174	8 5/8 @ 4805'	TOC @ 0'	Proposed disposal interval 4300-4950			
Tubb	6313						
Drinkard	6614						
Abo	6965						
				PERF 6928-6970			
				PERF 7091-7197			
				RBP @ 7220			
				PERF 7240-7407			
				PERF 7522-7606			
		5 1/2 @ 7714'	TOC @ 2723'	TD 7714'			
				PREPARED BY: Eddie Seay	UPDATED	09/22/14	

WELLBORE SCHEMATIC AND HISTORY

COMPLETION SCHEMATIC		APINUM: 30-025-37114																																																																													
FORM	DEPTH	OPERATOR: APACHE CORP																																																																													
<p>The schematic shows the wellbore configuration for five wells: Rustler, T. Salt, B. Salt Yates, Queen, Grayburg, San Andres, and Lwr SA. It includes completion components like PLUG 10 sxs, PLUG 257-443, PLUG 100 sxs, PLUG 30 sxs, PLUG 150 sxs, PLUG 200 sxs, and PLUG 3993-4511. Casing records are provided for each well, detailing sizes, depths, and hole sizes.</p>	<p>Rustler 1136 8 5/8 @ 1225' TOC @ 0'</p> <p>T. Salt</p> <p>B. Salt Yates 2487 PLUG 30 sxs @ 2595 TOP of 2nd FISH</p> <p>Queen 3237 PLUG 150 sxs 2886-3145</p> <p>Grayburg 3510 PLUG 200 sxs</p> <p>San Andres 3810</p> <p>Lwr SA 4300 Proposed disposal interval 4300-4950 TD 4407</p>	LEASENAME: V LAUGHLIN WELL NO. 6 <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>SURF LOC:</td> <td>UL:</td> <td>D</td> <td>SEC:</td> <td>9</td> <td>TWN:</td> <td>20S</td> <td>RNG:</td> <td>37E</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>805 N</td> <td></td> <td></td> <td>350 W</td> <td></td> </tr> <tr> <td>BH LOC:</td> <td>UL:</td> <td>D</td> <td>SEC:</td> <td>9</td> <td>TWN:</td> <td>20S</td> <td>RNG:</td> <td>37E</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>805 N</td> <td></td> <td></td> <td>350 W</td> <td></td> </tr> <tr> <td colspan="3">MD 4597</td> <td colspan="2">TVD 4597</td> <td colspan="2">KB</td> <td colspan="2">DF</td> </tr> <tr> <td colspan="3"></td> <td colspan="2"></td> <td colspan="2">GL</td> <td colspan="2"></td> </tr> <tr> <td colspan="5">POOL</td> <td colspan="4">Perf</td> </tr> <tr> <td colspan="5">DRY & ABANDONED</td> <td colspan="4"></td> </tr> </table>						SURF LOC:	UL:	D	SEC:	9	TWN:	20S	RNG:	37E					805 N			350 W		BH LOC:	UL:	D	SEC:	9	TWN:	20S	RNG:	37E					805 N			350 W		MD 4597			TVD 4597		KB		DF							GL				POOL					Perf				DRY & ABANDONED								
		SURF LOC:	UL:	D	SEC:	9	TWN:	20S	RNG:	37E																																																																					
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						805 N			350 W																																																																						
		MD 4597			TVD 4597		KB		DF																																																																						
							GL																																																																								
		POOL					Perf																																																																								
		DRY & ABANDONED																																																																													
		CASING RECORD																																																																													
SURF.	SIZE	DEPTH	CMT	HOLE SIZE	TOC																																																																										
8.625	1225	750 sxs	12.25	0' Circ																																																																											
SPUD: 07/02/2005 P&A:																																																																															

WELLBORE SCHEMATIC AND HISTORY

COMPLETION SCHEMATIC		APINUM: 30-025-39587	
FORM	DEPTH	OPERATOR: APACHE CORP	
		LEASENAME: V LAUGHLIN	
		SURF LOC: UL: D SEC: 9 TWN: 20S RNG: 37E	
		330 N	330 W
		BH LOC: UL: D SEC: 9 TWN: 20S RNG: 37E	
		330 N	330 W
		MD 7700 TVD 7700 KB DF	
		GL	
Rustler	1136	TOC 4 1/2 @ 574	POOL Perf 6980-7600
T. Salt			MONUMENT; ABO, SOUTHEAST
B. Salt			POOL Perf 6833-6942
Yates	2487		SKAGGS; DRINKARD 6951-6967
			POOL Perf 6456-6648
			MONUMENT; TUBB
			POOL Perf 5178-5265 SQZ
			GLORIETA Dry
CASING RECORD			
Queen	3237	SURF. 9.625 1205 500 sxs 15 0' Circ	TOC
		INTM1 7 5175 170 sxs 8.75 3814 Cal	
		PROD 4.5 7700 675 sxs 6.125 574 CBL	
Grayburg	3510		
San Andres	3810	TOC 7" @ 3814	SPUD: 01/16/2010 COMP: 03/09/2010
Lwr SA	4350		
Glorieta	5178	7" @ 5175 TOC @ 3814	Proposed disposal interval 4350-4950
			PERF 5178-5265 SQZ
Tubb	6337		
Drinkard	6630		PERF 6456-6648
Abo	6972		PERF 6833-6967
			PERF 6980-7600
		4 1/2 @ 7700 TOC @ 574'	TD 7700'
PREPARED BY:		Eddie Seay	UPDATED
			09/22/14

WELLBORE SCHEMATIC AND HISTORY

COMPLETION SCHEMATIC		APINUM: 30-025-40147	
FORM	DEPTH	OPERATOR: APACHE CORP	
		LEASENAME: V LAUGHLIN WELL NO. 9	
Rustler	1136	SURF LOC: UL: D SEC: 9 TWN: 20S RNG: 37E	990 N 940 W
T. Salt		BH LOC: UL: D SEC: 9 TWN: 20S RNG: 37E	990 N 940 W
B. Salt Yates	2487	MD 7700 TVD 7700 KB DF	GL
Queen	3237	POOL	Perf 7078-7445
Grayburg	3510	MONUMENT;ABO, SOUTHEAST	
San Andres	3810	POOL	Perf
Lwr SA	4360	POOL	Perf
Glorieta	5175	POOL	Perf
Tubb	6333	CASING RECORD	
Drinkard	6674	SURF. SIZE 13.375 1182 DEPTH 1000 sxs CMT 17.5 HOLE SIZE 0' Circ TOC	
Abo	6952	INTM1 8.625 4800 1814 sxs 12.25	
		PROD 5.5 7700 890 sxs 7.875	
		INTM1 DV Tool @ 3707 Stg1: 450 sxs Stg2: 1300 sxs 1" 64 sxs 200'-0'	
		PROD DV Tool @ ???? Stg1: 445 sxs Stg2: 445 sxs	
		DV Tool 8 5/8 @ 3707 SPUD: 06/20/2011	
		SPUD: 06/20/2011 COMP: 07/23/2011	
		Proposed disposal interval 4360-4950	
		DV Tool 5 1/2 @ ???? PERF 7078-7445	
		TD 7700'	
		5 1/2 @ 7700 TOC @ 0'	

WELLBORE SCHEMATIC AND HISTORY

		COMPLETION SCHEMATIC		APINUM: 30-025-33141	
FORM	DEPTH			OPERATOR: APACHE CORP	
		LEASENAME: W H LAUGHLIN		WELL NO. 7	
Rustler	1125	SURF LOC: UL: E SEC: 9	TWN: 20S RNG: 37E		
		2310 N	940 W		
T. Salt		BH LOC: UL: E SEC: 9	TWN: 20S RNG: 37E		
		2310 N	940 W		
B. Salt Yates	2380	MD 6800	TVD 6800	KB	DF
	2525			GL	
		POOL		Perf	5631-5770 Sqz
		BLINEBRY Dry			
		POOL		Perf	6376-6627
		MONUMENT;TUBB			
		POOL		Perf	
Queen	3220	CASING RECORD			
			SIZE	DEPTH	CMT
		SURF.	8.625	1150	385 sxs
		PROD	5.5	6800	3169 sxs
					11
					0' Circ
					0' Circ
Grayburg	3542	DV Tool @ 3840			
		Stg1: 825 sxs circ			
		Stg2: 2475 sxs circ			
		SPUD: 10/25/1995			
		COMP: 01/09/1996			
San Andres	3770	DV Tool @ 3840			
Lwr SA	4300	Proposed disposal interval 4300-4920			
Glorieta	5150				
Paddock	5243				
Blinebry	5703				
Tubb	6400	PERF 5631-5770			
Abo	6950	PERF 6376-6627			
Abo	6950				
		5 1/2 @ 6800			
		TOC @ 0'			
		TD 6800			
PREPARED BY:			Eddie Seay	UPDATED	09/22/14

WELLBORE SCHEMATIC AND HISTORY

		COMPLETION SCHEMATIC		APINUM:	30-025-39905	
FORM	DEPTH			OPERATOR:	APACHE CORP	
				LEASENAME:	W H LAUGHLIN	
		SURF LOC:	UL:	E	SEC:	9
				1650 N	TWN:	20S
		BH LOC:	UL:	E	SEC:	9
				1650 N	TWN:	20S
		MD	7692	TVD	7692	KB
					GL	3550
		POOL		Perf	7144-7213	
		MONUMENT;ABO, SOUTHEAST			6987-7002	
		POOL		Perf	6818-6904	
		SKAGGS;DRINKARD				
		POOL		Perf	6448-6692	
		MONUMENT;TUBB				
		POOL		Perf	6146-6356	
		WEIR;BLINEBRY				
CASING RECORD						
Queen	3224		SIZE	DEPTH	CMT	HOLE SIZE
		SURF.	13.375	1175	1010 sxs	17.5
		INTM1	8.625	4800	625 sxs	12.25
		PROD	5.5	7692	1150 sxs	7.875
						0' Circ
Grayburg	3513					
San Andres	3815				SPUD:	01/03/2011
					COMP:	03/03/2011
Lwr SA	4360					
		Proposed disposal interval 4360-4920				
Glorieta	5147	8 5/8 @ 4800 TOC @ 0'				
Tubb	6327				PERF 6146-6356	
					PERF 6448-6692	DHC-4502
Drinkard	6633				PERF 6818-6904	
Abo	6964				PERF 6987-7002	
					PERF 7144-7213	
		5 1/2 @ 7692 TOC @ 0'			TD 7692'	
PREPARED BY:				Eddie Seay	UPDATED	09/22/14

WELLBORE SCHEMATIC AND HISTORY

		COMPLETION SCHEMATIC		APINUM: 30-025-34341	
FORM	DEPTH			OPERATOR: APACHE CORP	
Rustler	1148 8 5/8		PERF 170 sqz 50 sxs 0-170	LEASENAME: W H LAUGHLIN	WELL NO. 8
				SURF LOC: UL: F SEC: 9 TWN: 20S RNG: 37E	1760 N 1750 W
				BH LOC: UL: F SEC: 9 TWN: 20S RNG: 37E	1760 N 1750 W
				MD 7800 TVD 7800 KB DF	
					GL
T. Salt			PERF @ 1275 sqz 50 sxs 1012-1275	POOL	Perf 7205-7262 Sqz 7284-7424 Sqz
B. Salt	2340				Perf 7082-7180
Yates	2498				7205-7225
					Perf 6670-6690
Queen	3330			CASING RECORD	
Grayburg	3547			SIZE	DEPTH CMT HOLE SIZE TOC
San Andres	3820		PERF 3814 SQZ 45 sxs	SURF. 8.625 1175 600 sxs 12.25 0' Circ	
Lwr SA	4380			INTM1 7 4751 500 sxs 7.875 4000	
Glorieta	5164			PROD 4.5 7800 535 sxs 6.25	
Tubb	6340				
Drinkard	6632		PERF 6670*6690		
Abo	6949		CIBP @ 6800 cap w/ 10' cmnt		
			PERF 7082-7180		
			PERF 7205-7225		
			PERF 7225-7424 SQZ		
			CIBP @ 7280		
			PERF 7225-7424 SQZ		
			4 1/2 @ 7800		
			TOC @ 0'		
			TD 7800'		
			PREPARED BY:	Eddie Seay	UPDATED 09/22/14

WELLBORE SCHEMATIC AND HISTORY

PREPARED BY: Eddie Seay UPDATED 09/22/14

WELLBORE SCHEMATIC AND HISTORY

		COMPLETION SCHEMATIC		APINUM: 30-025-32896	
FORM	DEPTH			OPERATOR: CHEVRON U S A INC	
<p>Rustler 1125 T. Salt @ 1150' B. Salt 2350 Yates 2495 Queen 3244 Grayburg 3525 San Andres 3810 Glorietta 5130 Paddock 5202 Blinebry 5420 Tubb 6297 Drinkard 6614 TOC @ 0' Abo 6923</p>		PLUG 125 sxs 0-400'	LEASENAME: L VAN ETSEN	WELL NO. 17	
		SURF LOC: UL: K SEC: 9 TZN: 20S RNG: 37E	1650 S	1650 W	
		BH LOC: UL: K SEC: 9 TZN: 20S RNG: 37E	1650 S	1650 W	
		PLUG 160 sxs 1011-1662	MD 5575 TVD 5575 KB DF	GL	
		PLUG 40 sxs 2167-2619	POOL	Perf 5512-5524	
			DRY		
			POOL	Perf 5178-5186	
			MONUMENT;PADDOCK		
			POOL	Perf	
			POOL	Perf	
CASING RECORD					
Queen 3244	SIZE	DEPTH	CMT	HOLE SIZE	TOC
SURF.	8.625	1150	600 sxs	11	0' Circ
PROD	5.5	5575	1587 sxs	7.875	0' Circ
Grayburg 3525	DV Tool @ ???? Stg1: 292 sxs circ Stg2: 1295 sxs circ				
San Andres 3810	SPUD: 11/29/1995 COMP: 01/10/1996 P&A: 10/24/2011				
Glorietta 5130	PLUG 150 sxs 3718-5178				
Paddock 5202	----- Proposed disposal interval 4310-4900				
Blinebry 5420	----- PERF 5178-5186				
Tubb 6297	CIBP @ 5475 cap w/ 10' sand				
Drinkard 6614 TOC @ 0'	PERF 5512-5524 Dry				
Abo 6923	TD 5575'				
PREPARED BY: Eddie Seay UPDATED 09/22/14					

WELLBORE SCHEMATIC AND HISTORY

		COMPLETION SCHEMATIC		APINUM: 30-025-06049		
FORM	DEPTH			OPERATOR: CHEVRON U S A INC		
Rustler	1114	10 3/4		LEASENAME: L VAN ETEN	WELL NO. 9	
		@ 200'		SURF LOC: UL: L SEC: 9 TWN: 20S RNG: 37E		
		TOC @ 0'		1650 S	990 W	
				BH LOC: UL: L SEC: 9 TWN: 20S RNG: 37E		
				1650 S	990 W	
				MD 5365 TVD 5365 KB DF		
					GL	
				POOL EUNICE MONUMENT;Y-7R-QU	Perf 3220-3240	
				POOL MONUMENT;GB-SA	Open Hole 3531-3770	
				POOL MONUMENT;PADDOCK	Perf 5166-5209	
T. Salt				DV Tool @ 2753 Stg1: 200 sxs; Stg2: 1000 sxs		
B. Salt Yates	2360 2428			CASING RECORD		
				SIZE	DEPTH CMT HOLE SIZE TOC	
Queen	3200			SURF.	10.75 200 200 sxs 14.5 0' Circ	
				INTM1	7 3531 1200 sxs 8.75 0' Circ	
Grayburg	3515			PROD	4.5 5365 495 sxs 6.125 0' Circ	
		7"				
San Andres	3823					
		@ 3531		PLUG 3131-3465		
Lwr SA	4300	TOC @ 0'				
Glorieta	5045			Proposed disposal interval 4300-4810		
Paddock	5185			CIBP @ 5100 cap w/ 35' cmnt		
				PERF 5166-5209		
				CIBP @ 5190		
		4 1/2 @ 5365				
		TOC @ 0'				
				TD 5365'		
PREPARED BY: Eddie Seay						
UPDATED 09/22/14						

WELLBORE SCHEMATIC AND HISTORY

COMPLETION SCHEMATIC				APINUM: 30-025-32881
FORM	DEPTH			OPERATOR: CHEVRON U S A INC
		Plug 50sx 0-350'	L VAN ETEN	WELL NO. 16
		SURF LOC: UL: L SEC: 9	TWN: 20S RNG: 37E	
			1955 FSL	940 FWL
		BH LOC: UL: L SEC: 9	TWN: 20S RNG: 37E	
			1955 FSL	940 FWL
Rustler	1114 8 5/8" @ 1161' TOC @ 0'	Plug 30sxs 963-1262	MD 6000 TVD 6000 KB 3562 DF GL 3547	
T. Salt		Plug 30 sxs 1686-1982	POOL	Perf 5576-5674
B. Salt	2360	PLUG 30 sxs 2190-2486	WEIR;BLINEBRY	Perf 5183-5190
Yates	2428		POOL	Perf 3920-3983
			MONUMENT;PAD	
			MONUMENT;GB-SA	
			POOL	Perf
Queen	3200			
Grayburg	3515			
San Andres	3823	PLUG 25 SXS 3623-3870		SPUD: 06/05/1994 COMP: 07/09/1994
Lwr SA	4300	PERF 3920-3983		
Glorietta	5045		Proposed disposal interval 4300-4810	
Paddock	5185	CIBP @ 5150 cap w/ 35' cmtnt		
Blinebry	5397	PERF 5183-5190		
		CIBP @ 5550 cap w/ 35' cmtnt		
		PERF 5576-5674		
	5 1/2 @ 6000 TOC @ 0'	TD 6000		

WELLBORE SCHEMATIC AND HISTORY

PREPARED BY: Eddie Seay UPDATED 09/22/14

Water Sample Analysis

Pool	Section	Location	Chlorides
		Township	Range
North Justis Montoya	2	25S	37E
North Justis McKee	2	25S	37E
North Justis Fusselman	2	25S	37E
North Justis Ellenburger	2	25S	37E
Fowler Blinebry	22	24S	37E
Skaggs Grayburg	18	20S	38E
Warren McKee	18	20S	38E
Warren Abo	19	20S	39E
DK Drinkard	30	20S	39E
Littman San Andres	8	21S	38E
East Hobbs grayburg	29	18S	39E
Halfway Yates	16	20S	32E
Arkansas Junction San Andres	12	18S	36E
Pearl Queen	28	19S	35E
Midway Abo	17	17S	37E
Lovington Abo	31	18S	37E
Lovington San Andres	3	16S	37E
Lovington Paddock	31	16S	37E
Mesa Queen	17	16S	32E
Kernitz Wolfcamp	27	16S	34E
Hume Queen	9	16S	34E
Anderson Ranch Wolfcamp	2	16S	32E
Anderson Ranch Devonian	11	16S	32E
Anderson Ranch Unit	11	16S	32E
Caudill Devonian	9	15S	36E
Townsend Wolfcamp	6	16S	36E
Dean Permo Penn	5	16S	37E
Dean Devonian	35	15S	36E
South Denton Wolfcamp	26	15S	37E
South Denton Devonian	36	15S	37E
Medicine Rock Devonian	15	15S	38E
Little Lucky Lake Devonian	29	15S	30E
Wantz Abo	26	21S	37E
Crosby Devonian	18	25S	37E
Scarborough Yates Seven Rivers	7	26S	37E
Teague Simpson	34	23S	37E
Teague Ellenburger	34	23S	37E
Rhodes Yates 7 Rivers	27	26S	37E
House SA	11	20S	38E
House Drinkard	12	20S	38E
South Leonard Queen	24	26S	37E
Elliot Abo	2	21S	38E
Scharb Bone Springs	5	19S	35E
EK Queen	13	18S	34E
East EK Queen	22	18S	34E
Maljamar Grayburg SA	22	17S	32E
Maljamar Paddock	27	17S	32E
Maljamar Devonian	22	17S	32E

3443(Reef)



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

Analytical Results For:

Eddie Seay Consulting
601 W. Illinois
Hobbs NM, 88242

Project: COOPER SWD FACILITY
Project Number: COOPER SWD
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
06-Oct-14 13:41

JC - WW #1**H402961-01 (Water)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories**Inorganic Compounds**

Alkalinity, Bicarbonate	464		5.00	mg/L	1	4090813	AP	30-Sep-14	310.1
Alkalinity, Carbonate	ND		0.00	mg/L	1	4090813	AP	30-Sep-14	310.1
Chloride*	920		4.00	mg/L	1	4092905	AP	30-Sep-14	4500-Cl-B
Conductivity*	3670		1.00	uS/cm	1	4100104	AP	01-Oct-14	120.1
pH*	7.16		0.100	pH Units	1	4100103	AP	01-Oct-14	150.1
Sulfate*	250		50.0	mg/L	5	4093005	AP	30-Sep-14	375.4
TDS*	2330		5.00	mg/L	1	4091810	AP	30-Sep-14	160.1
Alkalinity, Total*	380		4.00	mg/L	1	4090813	AP	30-Sep-14	310.1

Green Analytical Laboratories**Total Recoverable Metals by ICP (E200.7)**

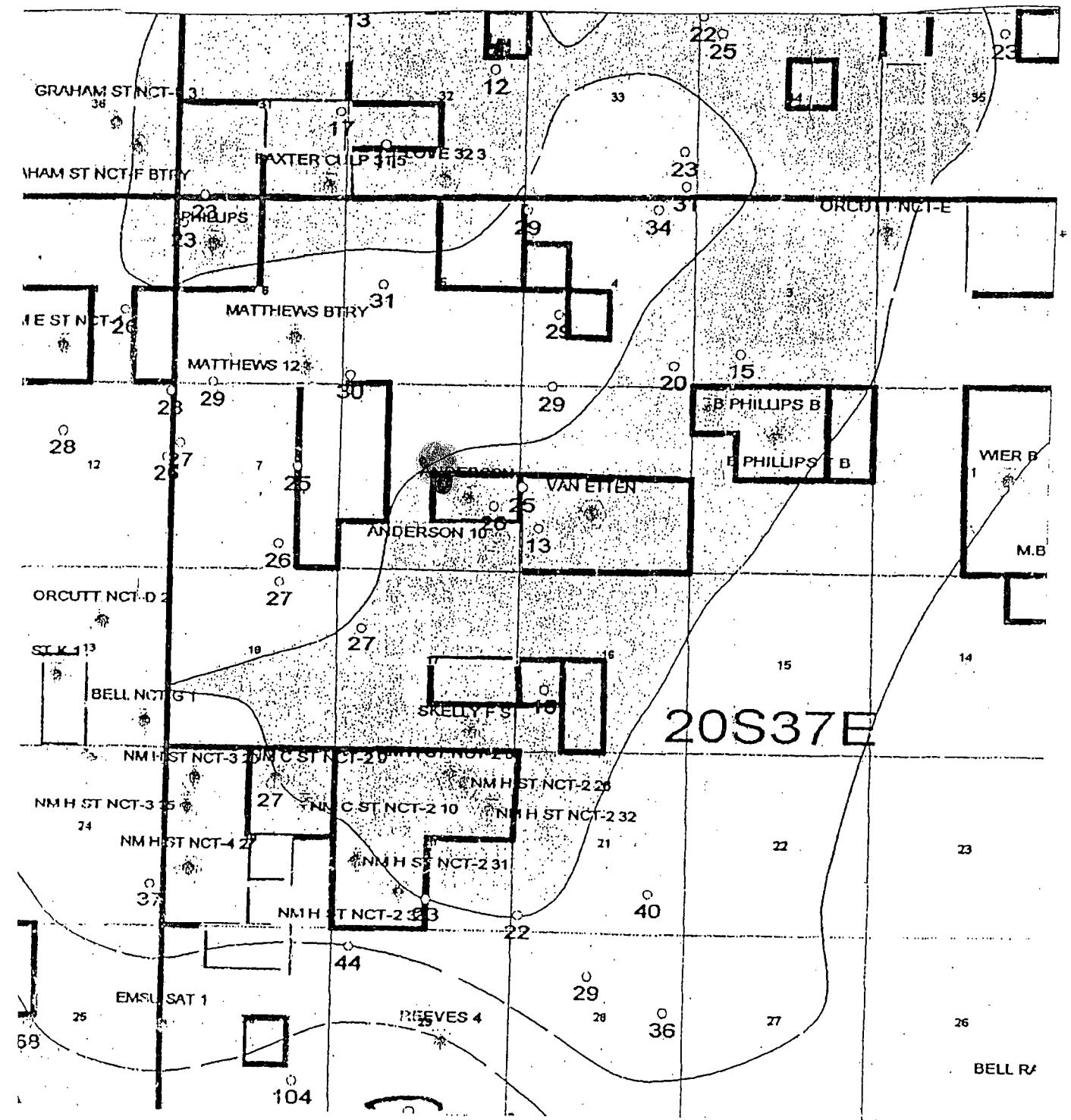
Calcium*	227		1.00	mg/L	1	B410009	JGS	02-Oct-14	EPA200.7
Magnesium*	88.2		1.00	mg/L	1	B410009	JGS	02-Oct-14	EPA200.7
Potassium*	5.39		1.00	mg/L	1	B410009	JGS	02-Oct-14	EPA200.7
Sodium*	445		1.00	mg/L	1	B410009	JGS	02-Oct-14	EPA200.7

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



Groundwater Map

NOTICES

LAND OWNER - DEEDED

Jimmie T. Cooper
Box 55
Monument, NM 88265

OFFSET AND MINERAL OWNERS

Oxy USA Inc.
Box 4294
Houston, TX 77210

Rice Operating Co.
122 West Taylor
Hobbs, NM 88240

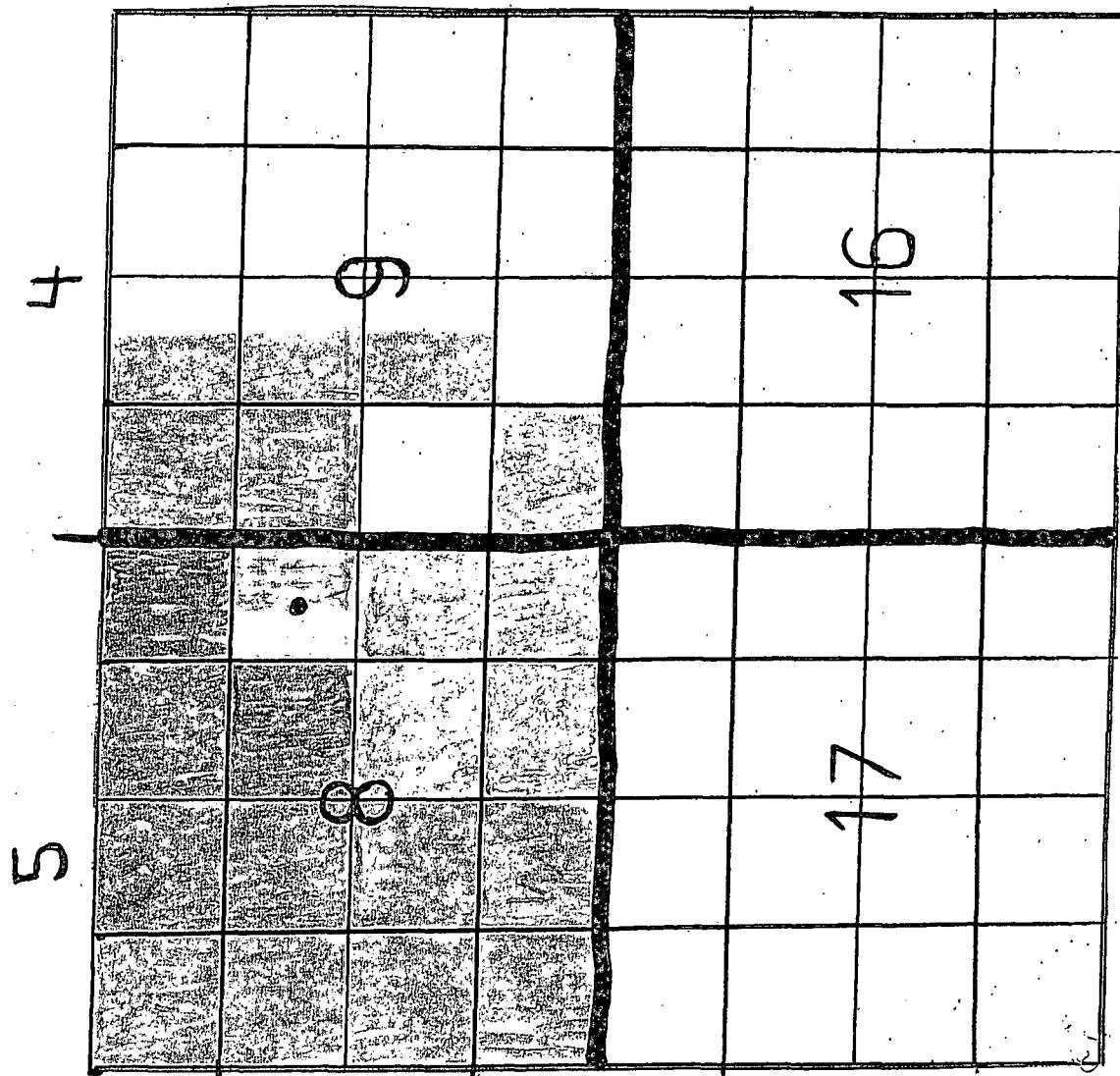
Cimarex Energy Co. of Colorado
600 N. Marienfield St., Ste. 600
Midland, TX 79701

Chevron Corp.
ATTN: Nick Hanna
15 Smith Rd.
Midland, TX 79705

Apache Corp.
303 Veterans Airpark Lane, Ste. 3000
Midland, TX 79705

mineral interest

- Proposed SWP
Cooper 8
 - Apache
 - Cinarex
 - Oxy
 - Chevron
 - Cooper Sunflower + Mineral



J. COOPER ENTERPRISES INC.

October 2014

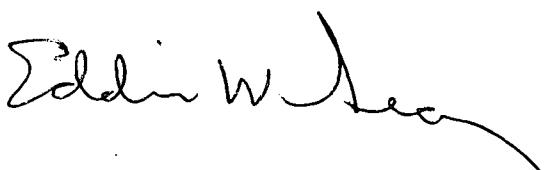
RE: Cooper 8 well #2
Unit H, Sect. 8, T. 20 S., R. 37 E.
API 30-025-36529

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,



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

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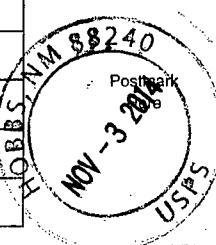
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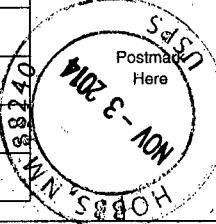
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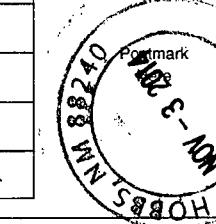
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ATTN: Nick Hanna

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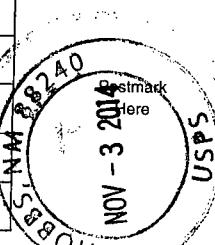
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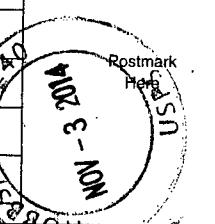
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City, State, ZIP+4

Midland, TX 79705

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LEGAL NOTICE

Pursuant to the rules and regulations of the Oil Conservation Division of the State of New Mexico, J. Cooper Enterprises, Inc., Box 55, Monument, NM 88265, is filing a C-108, Application for Salt Water Disposal. The well being applied for is the Cooper 8 well #2, API 30-025-36529, located in Unit H, Section 8, Township 20 South, Range 37 East, Lea Co., NM. The injection formation is the Lower San Andres from 4300' to 4900' below surface. Expected maximum injection rate is 10,000 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)

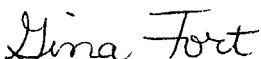
Joyce Clemens being first duly sworn on oath deposes and says that she is Advertising Manager of THE LOVINGTON LEADER, a thrice a week newspaper of general paid circulation published in the English language at Lovington, Lea County, New Mexico; that said newspaper has been so published in such county continuously and uninterrupted 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 November 4 , 2014 and ending with the issue of November 4 , 2014.

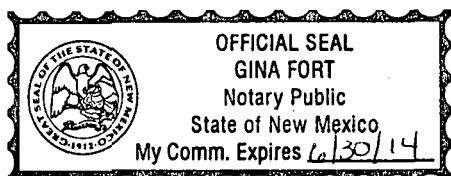
And that the cost of publishing said notice is the sum of \$ 23.57 which sum has been (Paid) as Court Costs.



Joyce Clemens, Advertising Manager
Subscribed and sworn to before me this 4th day of November , 2014.



Gina Fort
Notary Public, Lea County, New Mexico
My Commission Expires June 30, 2018



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Published in the Lovington Leader November 4, 2014.