

Attachments: Oct 15th correspondence

DATE 10/15/2013	SUSPENSE	ENGINEER PG	LOGGED IN 10/16/13	TYPE SWD	APP NO. PRG 1328950951
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ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
- Engineering Bureau -
1220 South St. Frands 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

[SWD-1328] - Reapplication

BC & D Operating
30-025-25046

West Sul B Deep

[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

✓ Potash ✓ (?)

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

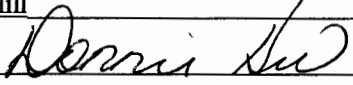
[4] CERTIFICATION: I hereby certify that the information submitted with this application for administrative approval is accurate and complete to the best of my knowledge. I also understand that no action will be taken on this application until the required information and notifications are submitted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

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

Eddie W. Seay Eddie W. Seay Agent 10/11/2013
Print or Type Name Signature Title Date
seay.04@leaco.net
e-mail Address

APPLICATION FOR AUTHORIZATION TO INJECT

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

- II. OPERATOR: BC & D Operating, Inc.
- ADDRESS: P.O. Box 302 Hobbs, NM 88241
- CONTACT PARTY: Donnie Hill PHONE: 575-390-7626
- 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: SWD - 1328
- 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: Donnie Hill TITLE: President
- SIGNATURE:  DATE: 10/2/2013
- E-MAIL ADDRESS: dhill@wellconsultant.com
- * If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be resubmitted.
Please show the date and circumstances of the earlier submittal: Previously submitted when drilled
- DISTRIBUTION: Original and one copy to Santa Fe with one copy to the appropriate District Office

ATTACHMENT TO APPLICATION C-108

West Jal B Deep #1 (API 30-025-25046)
Unit H, Sect. 17, Tws. 25 S., Rng. 36 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) 4 1/2" coated tubing.
 - 4) Baker Lock Set.
- B.
- 1) Injection formation is the Wolfcamp, Strawn, Atoka, Devonian and Fussleman. *Removed*
 - 2) Injection interval 11260' to 16439'. *5139 original*
 - 3) Well was drilled as a producer.
 - 4) The next higher producing zone is the Upper Bone Springs at approximately 7950'.
The next lower producing zone is the Ellenburger at approximately 18444'.

IV. NO.

V. MAP ATTACHED.

VI. LIST OF WELLS AND DATA ATTACHED.

- VII. BC & D plans to pull existing equipment at the proposed well. Clean out all plugs down to approximately 17100'. Test casing for leaks. Run in hole and selectively perforate 7 and 5" casing from 11260' to 16439', acidize as needed. Go in hole with 4 1/2" coated tubing and packer, and set at approximately 11160' 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 15,000 bpd of produced water from various sources of production.
- 2) Open system, commercial.
- 3) Average injection pressure should be approximately 0# to 3200# or whatever limit OCD allows. *3200#*
- 4) Analysis attached, only produced water.
- 5) Produced water from various sources.

*Delaware
Bone Spring
WC
Atoka / Strawn (Penn)*

- VIII.** The proposed disposal formation is ~~Wolfcamp~~ Strawn, Atoka, Devonian and Fusselman which consists of porous fractural dolomite and carbonate.

The fresh water formation in the area is the Santa Rosa formation which ranges in thickness from 200' to 600' . 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.

INJECTION WELL DATA SHEET

OPERATOR: BC + D Operating LHC

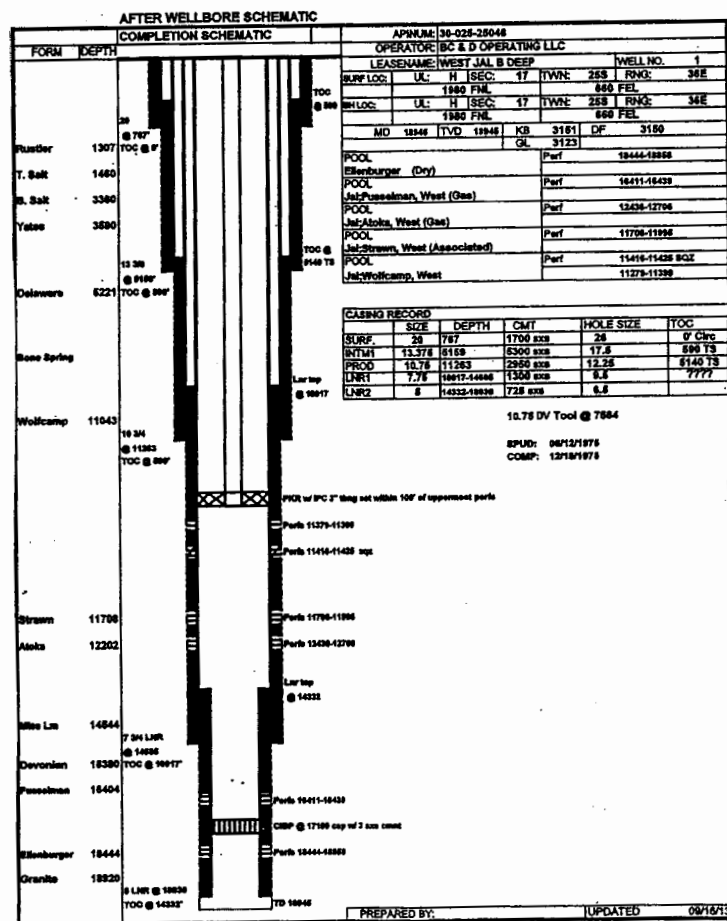
WELL NAME & NUMBER: West Jal B Deep #1

WELL LOCATION: 1980/N 660/E H 17 25 36
FOOTAGE LOCATION UNIT LETTER SECTION TOWNSHIP RANGE

WELLBORE SCHEMATIC

WELL CONSTRUCTION DATA

Surface Casing



Hole Size: 26 Casing Size: 20

Cemented with: 1700 SX. or _____ ft³

Top of Cement: Surface Method Determined: Cue

Intermediate Casing

Hole Size: 17.5 Casing Size: 13.375

Cemented with: 5300 SX or ft³

Top of Cement: 590 Method Determined: TS

Production Casing

Hole Size: 12.25 Casing Size: 10.75

Cemented with: 2950 SL or ft

Top of Cement: 5140 Method Determined: TS

Total Depth: 18945 LNR 178 1300-4

Injection Interval

11300 feet to 16439

~~Proposed: 5139'~~
~~Price.~~

(Perforated or Open Hole; indicate which)

INJECTION WELL DATA SHEET

Tubing Size: 4 1/2 Lining Material: IPC
 Type of Packer: Baker hoc Set
 Packer Setting Depth: Approx 11280
 Other Type of Tubing/Casing Seal (if applicable): NONE

Additional Data

1. Is this a new well drilled for injection? Yes X No
 If no, for what purpose was the well originally drilled? original drilled as producer (Dry)
Approved for Fusselman SWD, but not converted
2. Name of the Injection Formation: Wolfcamp, Strawn, Atoka, Devonian and Fusselman
3. Name of Field or Pool (if applicable): Jal WC, Atoka, Strawn, Fusselman West
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. _____
Ellenburger 18444 - 18888 - CIBP
5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: _____
Bone Springs is at 7950
Ellenburger is at 18444

AFTER WELLBORE SCHEMATIC

COMPLETION SCHEMATIC		APINUM: 30-025-25046	
FORM	DEPTH	OPERATOR: BC & D OPERATING LLC	
		LEASENAME: WEST JAL B DEEP	
		WELL NO. 1	
		SURF LOC:	UL: H SEC: 17 TWN: 25S RNG: 36E
		1980 FNL 660 FEL	
		BH LOC:	UL: H SEC: 17 TWN: 25S RNG: 36E
		1980 FNL 660 FEL	
		MD 18945	TVD 18945 KB 3151 DF 3150
		GL 3123	
		POOL	Perf 18444-18858
		Ellenburger (Dry)	
		POOL	Perf 16411-16439
		Jal; Fusselman, West (Gas)	
		POOL	Perf 12436-12706
		Jal; Atoka, West (Gas)	
		POOL	Perf 11708-11995
		Jal; Strawn, West (Associated)	
		POOL	Perf 11416-11425 SQZ
		Jal; Wolfcamp, West 11279-11399	
		Casing Record	
		SIZE	DEPTH
		CMT	HOLE SIZE
		TOC	
		SURF.	20 767 1700 sxs 26 0' Circ
		INTM1	13.375 5159 5300 sxs 17.5 590 TS
		PROD	10.75 11263 2950 sxs 12.25 5140 TS
		LNR1	7.75 10917-14685 1300 sxs 9.5 ????
		LNR2	5 14332-18930 725 sxs 6.5
		10.75 DV Tool @ 7564	
		SPUD: 06/12/1975	
		COMP: 12/19/1975	
		Run CBL	
		PKR w/ IPC 4 1/2" tbg set within 100' of uppermost perms	
		Perfs 11379-11399	
		Perfs 11416-11425 sqz	
		Perfs 11708-11995	
		Perfs 12436-12706	
		Lnr top @ 14332	
		Perfs 16411-16439	
		CIBP @ 17100 cap w/ 3 sxs cmnt	
		Perfs 18444-18858	
		5 LNR @ 18930	
		TOC @ 14332'	
		TD 18945	

TOC @ 590

20 @ 767'

TOC @ 0'

Rustler 1307

T. Salt 1460

B. Salt 3360

Yates 3590

Capitan

Delaware 5221

13 3/8 @ 5159'

TOC @ 590'

Bone Spring

Wolfcamp 11043

11416

10 3/4 @ 11263

TOC @ 590'

Lnr top @ 10917

Strawn ✓ 11708

Atoka ✓ 12202

Miss Lm ✓ 14544

7 3/4 LNR @ 14685

Devonian ✓ 15380

TOC @ 10917'

Fusselman ✓ 16404

Perfs 16411-16439

Ellenburger 18444

Granite 18920

5 LNR @ 18930

TOC @ 14332'

Squeeze WC

lower packer

to within 100 feet of top perms at 11708ft

11708 x 0.2 = 234Kpsi

Original SWD - 1328

16411 - 16670

17065

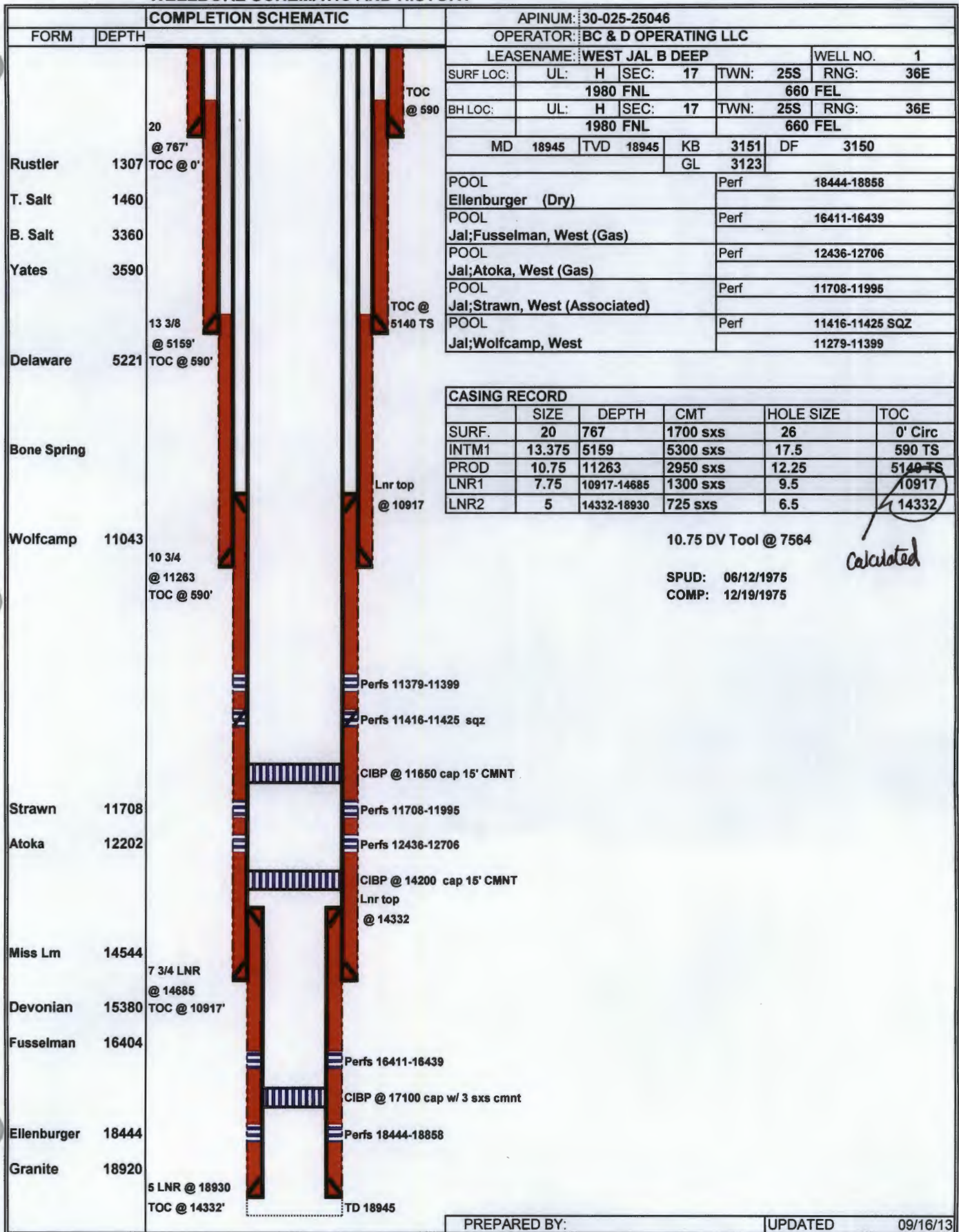
Per Conversation w/ D. Hill 02/04/2014

PREPARED BY:

UPDATED

09/16/13

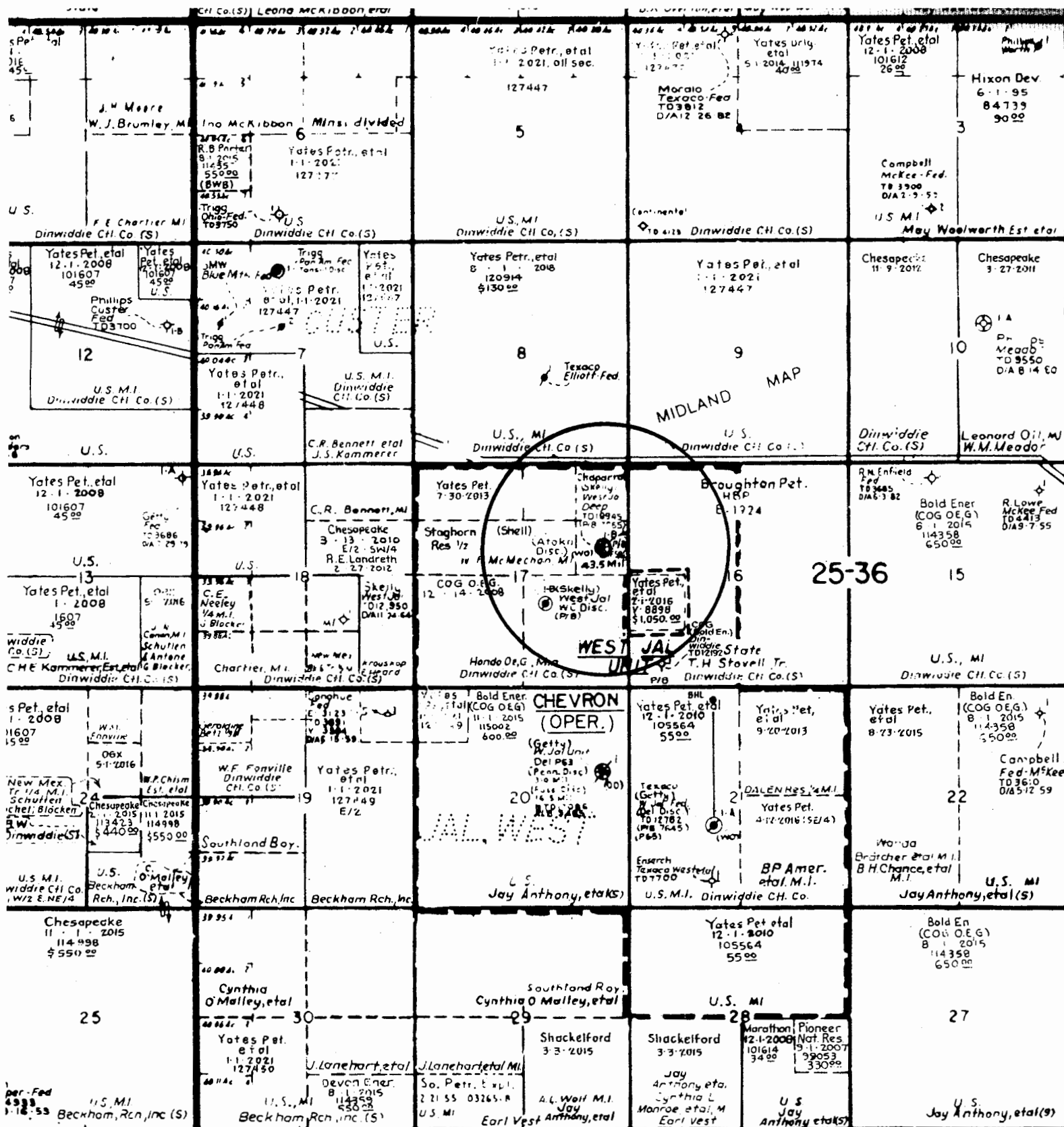
WELLBORE SCHEMATIC AND HISTORY



PREPARED BY:

UPDATED

09/16/13



DISPOSAL WELL

API #	PROPERTY NAME	#	OPERATOR	TD	TYPE	STATUS	CO	LAND	U/L	SEC	TWN		RNG		N/S		E/W	
30-025-25046	WEST JAL B DEEP	1	BC&D OPERATING LLC	18945	I	A	Lea	P	H	17	25	S	36	E	1980	N	660	E

Wells within 1/2 mile penetrating proposed disposal interval.

(-1,-1)	API #	PROPERTY NAME	#	OPERATOR	TD	TYPE	STATUS	CO	LAND	U/L	SEC	TWN		RNG		N/S		E/W		Dist
	30-025-20857	WEST JAL B	1	GETTY OIL COMPANY	12275	O	P	Lea	P	J	17	25	S	36	E	1980	S	1980	E	1866

WELLBORE SCHEMATIC AND HISTORY

COMPLETION SCHEMATIC		APINUM: 30-025-20857																													
FORM	DEPTH	OPERATOR: GETTY OIL COMPANY																													
		LEASENAME: WEST JAL B																													
		WELL NO. 1																													
		SURF LOC: UL: J SEC: 17 TWN: 25S RNG: 36E																													
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		1980 FSL 1980 FEL																													
		MD 12275 TVD 12275 KB 3140 DF 3138																													
		GL 3118																													
		POOL Jal; Strawn, West (Associated) Perf 11684-12090 SQZ																													
		POOL Jal; Wolfcamp, West Perf 11361-11420																													
POOL Delaware (Dry) Perf 7881-7889																															
Casing Record																															
<table border="1"> <thead> <tr> <th></th> <th>SIZE</th> <th>DEPTH</th> <th>CMT</th> <th>HOLE SIZE</th> <th>TOC</th> </tr> </thead> <tbody> <tr> <td>SURF.</td> <td>13.375</td> <td>348</td> <td>400 sxs</td> <td>17.5</td> <td>0' Circ</td> </tr> <tr> <td>INTM1</td> <td>9.625</td> <td>5231</td> <td>3155 sxs</td> <td>12.25</td> <td>0' Circ</td> </tr> <tr> <td>PROD</td> <td>7</td> <td>11306</td> <td>370 sxs</td> <td>8.75</td> <td>6850 est</td> </tr> <tr> <td>LINER1</td> <td>5</td> <td>11065-12273</td> <td>200 sxs</td> <td>6.125</td> <td>11065</td> </tr> </tbody> </table>			SIZE	DEPTH	CMT	HOLE SIZE	TOC	SURF.	13.375	348	400 sxs	17.5	0' Circ	INTM1	9.625	5231	3155 sxs	12.25	0' Circ	PROD	7	11306	370 sxs	8.75	6850 est	LINER1	5	11065-12273	200 sxs	6.125	11065
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SPUD: 03/12/1964																															
COMP: 05/16/1964																															
P&A: 10/31/1983																															
<p>Potential for out-of-interval injection uphole between perfs</p> <p>Remedial or remove WC from injection interval</p>																															
<p>5" LNR @ 12273 TOC @ 11065'</p> <p>TD 12275</p>																															

PREPARED BY:

UPDATED

09/16/13

Water Sample Analysis

Pool	Location		Range	Chlorides
	Section	Township		
North Justis Montoya	2	25S	37E	45440
North Justis McKee	2	25S	37E	58220
North Justis Fusselman	2	25S	37E	68533
North Justis Ellenburger	2	25S	37E	34151
Fowler Blinebry	22	24S	37E	116085
Skaggs Grayburg	18	20S	38E	84845
Warren McKee	18	20S	38E	85910
Warren Abo	19	20S	39E	91600
DK Drinkard	30	20S	39E	106855
Littman San Andres	8	21S	38E	38695
East Hobbs grayburg	29	18S	39E	6461
Halfway Yates	16	20S	32E	14768
Arkansas Junction San Andres	12	18S	36E	7171
Pearl Queen	28	19S	35E	114310
Midway Abo	17	17S	37E	36494
Lovinton Abo	31	16S	37E	22933
Lovington San Andres	3	16S	37E	4899
Lovington Paddock	31	16S	37E	93720
Mesa Queen	17	16S	32E	172530
Kemnitz Wolfcamp	27	16S	34E	49345
Hume Queen	9	16S	34E	124960
Anderson Ranch Wolfcamp	2	16S	32E	11040
Anderson Ranch Devonian	11	16S	32E	25702
Anderson Ranch Unit	11	16S	32E	23788
Caudill Devonian	9	15S	36E	20874
Townsend Wolfcamp	6	16S	36E	38695
Dean Perno Penin	5	16S	37E	44730
Dean Devonian	35	15S	36E	19525
South Denton Wolfcamp	26	15S	37E	54315
South Denton Devonian	36	15S	37E	34080
Medicine Rock Devonian	15	15S	38E	39760
Little Lucky Lake Devonian	29	15S	30E	23288
Wantz Abo	26	21S	37E	132770
Crosby Devonian	18	25S	37E	58220
Scarborough Yates Seven Rivers	7	26S	37E	3443(Reef)
Teague Simpson	34	23S	37E	114665
Teague Ellenburger	34	23S	37E	120345
Rhodes Yates 7 Rivers	27	26S	37E	144485
House SA	11	20S	38E	93365
House Drinkard	12	20S	38E	49700
South Leonard Queen	24	26S	37E	115375
Elliot Abo	2	21S	38E	55380
Scharb Bone Springs	5	19S	35E	30601
EK Queen	13	18S	34E	41890
East EK Queen	22	18S	34E	179630
Maljamar Grayburg SA	22	17S	32E	46079
Maljamar Paddock	27	17S	32E	115375
Maljamar Devonian	22	17S	32E	25418



Groundwater Map

• Water Sample

Analytical Results For:

 BC & D OPERATING
 P. O. BOX 302
 HOBBS NM, 88241

 Project: TOMMIE DINWIDDIE FWW #1
 Project Number: NONE GIVEN
 Project Manager: DONNIE HILL
 Fax To: (575) 942-2005

 Reported:
 19-Sep-13 15:26

TOMMIE DINWIDDIE FWW #1
H302139-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Inorganic Compounds

Alkalinity, Bicarbonate	249	5.00	mg/L	1	3082302	AP	09-Sep-13	310.1	
Alkalinity, Carbonate	ND	0.00	mg/L	1	3082302	AP	09-Sep-13	310.1	
Chloride*	80.0	4.00	mg/L	1	3090904	AP	09-Sep-13	4500-CL-B	
Conductivity	1060	1.00	uS/cm	1	3091004	AP	10-Sep-13	120.1	
pH*	7.50	0.100	pH Units	1	3091003	AP	10-Sep-13	9045	
Sulfate*	234	50.0	mg/L	5	3090903	AP	09-Sep-13	375.4	
TDS*	684	5.00	mg/L	1	3083008	AP	06-Sep-13	160.1	
Alkalinity, Total*	204	4.00	mg/L	1	3082302	AP	09-Sep-13	310.1	

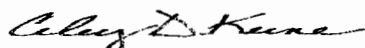
Green Analytical Laboratories
Total Recoverable Metals by ICP (E200.7)

Calcium*	69.6	1.00	mg/L	1	B309142	JGS	17-Sep-13	EPA200.7	
Magnesium*	48.8	1.00	mg/L	1	B309142	JGS	17-Sep-13	EPA200.7	
Potassium*	7.41	1.00	mg/L	1	B309142	JGS	17-Sep-13	EPA200.7	
Sodium*	104	1.00	mg/L	1	B309142	JGS	17-Sep-13	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 and 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 damages, 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

OFFSET OPERATORS AND MINERALS

SURFACE OWNER

Dinwiddie Cattle Co.
P.O. Box 374
Roswell, NM 88202

MINERALS - LEASED

Yates Petroleum
105 S. Fourth St.
Artesia, NM 88210

OFFSET OPERATOR

NONE


OFFSET SURFACE & MINERALS

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

POTASH AREA

Intercontinental Potash Corp.
600 W. Bender
Hobbs, NM 88240

Intrepid Potash
220 Red Cloud
Carlsbad, NM 88220



BC & D OPERATING, INC.

September 2013

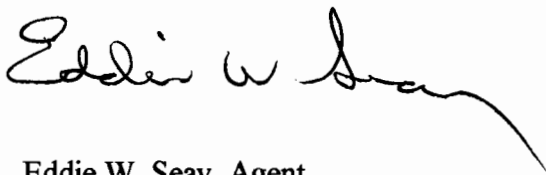
RE: West Jal B Deep #1
Unit H, Sect. 17, T. 25 S., R. 36 E.
API 30-025-25046

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

7012 3050 0000 7665 3292

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

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OFFICIAL USE

Postage	\$ 224	Postmark Here OCT 2 2013
Certified Fee	310	
Return Receipt Fee (Endorsement Required)	255	
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$ 789	

Sent To
Dinwiddie Cattle Co.
 Street, Apt. No.,
 or PO Box No. **P.O. Box 374**
 City, State, ZIP+4 **Roswell, NM 99202**

PS Form 3800, August 2006

See Reverse for Instructions

7012 1640 0000 2270 8796

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

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

OFFICIAL USE

Postage	\$ 224	Postmark Here OCT 2 2013
Certified Fee	310	
Return Receipt Fee (Endorsement Required)	255	
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$ 789	

Sent To
U.S. - BLM
 Street, Apt. No.,
 or PO Box No. **620 E. Green St.**
 City, State, ZIP+4 **Carlsbad, NM 88220**

PS Form 3800, August 2006

See Reverse for Instructions

7012 1640 0000 2270 8802

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Postage	\$ 224	Postmark Here OCT 2 2013
Certified Fee	310	
Return Receipt Fee (Endorsement Required)	255	
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Total Postage & Fees	\$ 789	

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Intrepid Potash
 Street, Apt. No.,
 or PO Box No. **220 Red Cloud**
 City, State, ZIP+4 **Carlsbad, NM 88220**

PS Form 3800, August 2006

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Certified Fee	310	
Return Receipt Fee (Endorsement Required)	255	
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$ 789	

Sent To
Intercontinental Potash Corp.
 Street, Apt. No.,
 or PO Box No. **600 W. Bender**
 City, State, ZIP+4 **Hobbs, NM 88240**

PS Form 3800, August 2006

See Reverse for Instructions

7012 3050 0000 7665 3308

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OFFICIAL USE

Postage	\$ 224	Postmark Here OCT 2 2013
Certified Fee	310	
Return Receipt Fee (Endorsement Required)	255	
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$ 789	

Sent To
Yates Petroleum
 Street, Apt. No.,
 or PO Box No. **105 S. Fourth St.**
 City, State, ZIP+4 **Artesia, NM 88210**

PS Form 3800, August 2006

See Reverse for Instructions

LEGAL NOTICE

Pursuant to the rules and regulations of the Oil Conservation Division of the State of New Mexico, BC & D Operating, Inc., Box 302, Hobbs, NM 88241, is filing a C-108, Application for Salt Water Disposal. The well being applied for is the West Jal B Deep #1, API 30-025-25046, located in Unit H, Section 17, Township 25 South, Range 36 East, Lea Co., NM. The injection formations are the Wolfcamp, Strawn, Atoka, Devonian and the Fusselman from 11260' to 16439' below surface. Expected maximum injection rate is 15,000 bpd., and the expected maximum injection pressure is 3200 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,
County of Lea.

I, DANIEL RUSSELL
PUBLISHER

of the Hobbs News-Sun, a
newspaper published at Hobbs, New
Mexico, do solemnly swear that the
clipping attached hereto was
published in the regular and entire
issue of said newspaper, and not a
supplement thereof for a period


of 1 issue(s).

Beginning with the issue dated
October 02, 2013
and ending with the issue dated
October 02, 2013



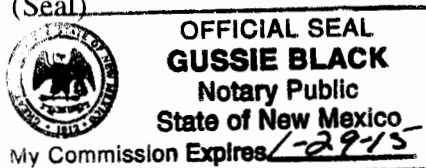
PUBLISHER

Sworn and subscribed to before me
this 2nd day of
October, 2013



Notary Public

My commission expires
January 29, 2015
(Seal)



This newspaper is duly qualified to
publish legal notices or
advertisements within the meaning of
Section 3, Chapter 167, Laws of
1937 and payment of fees for said
publication has been made.

LEGAL NOTICE October 2, 2013

Pursuant to the rules and regulations of the Oil
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hearing must be directed to the Oil Conservation Division,
(505)476-3440m 1220 South Saint Francis Drive, Santa Fe,
NM 87504, within fifteen (15) days.
#28475

02100660

00123542

EDDIE/RENA SEAY
EDDIE SEAY CONSULTING
601 W. ILLINOIS
HOBBS, NM 88240

October 9, 2013

RECEIVED OCD

2013 OCT 15 PM 1:59

NMOCD Engineering
ATTN: Phillip R. Goetze
1220 S. St. Francis Dr.
Santa Fe, NM 87502

RE: BC & D Operating, Inc.
C-108 Application
West Jal B Deep #1

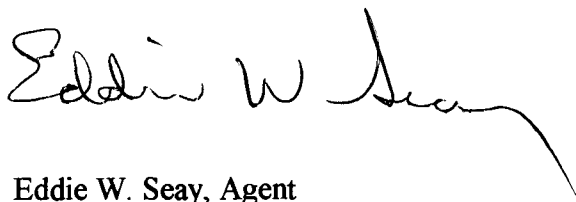
Mr. Goetze:

Find within Application for SWD. This well was previously approved as a SWD in the Fusselman, see copy of Permit attached SWD-1328, but was never converted.

Also, I am attaching a geological explanation of the Santa Rosa, which I know is a concern for this area.

Should you need anything further, please let me know.

Thanks,

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

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

SANTA ROSA SANDSTONE

The Santa Rosa Sandstone consists primarily of red, white, gray or greenish-gray varies from a fine grain to coarse grain sandstone. In the vicinity of the West Jal B Deep # 1 well occurs at depth around 700 to 850'. In this area the Santa Rosa is of minor hydrological significance and there are no Santa Rosa water wells in the vicinity of the West Jal B Deep well #1. Consequently, the Santa Rosa water quality in this area is not known. However, over southern Lea County it yields small quantities of water, with some reports of wells producing 100 gpm. Santa Rosa water in the southern part of the county usually has high sulfate content.

State of New Mexico
Energy, Minerals and Natural Resources Department

Susana Martinez
Governor

John H. Bemis
Cabinet Secretary

Brett F. Woods, Ph.D.
Deputy Cabinet Secretary

Jami Bailey
Division Director
Oil Conservation Division



Administrative Order SWD-1328
April 20, 2012

**ADMINISTRATIVE ORDER
OF THE OIL CONSERVATION DIVISION**

Under the provisions of 19.15.26.8B NMAC, Unified Operating, LLC seeks an administrative order to utilize its West Jal B Deep Well No. 1 (API 30-025-25046) located 1980 feet from the North line and 660 feet from the East line, Unit letter H of Section 17, Township 25 South, Range 36 East, NMPM, Lea County, New Mexico, for produced water disposal purposes.

THE DIVISION DIRECTOR FINDS THAT:

The application has been duly filed under the provisions of 19.15.26.8B NMAC and satisfactory information has been provided that affected parties as defined in said rule have been notified and no objections have been received within the prescribed waiting period. The applicant has presented satisfactory evidence that all requirements prescribed in 19.15.26.8 NMAC have been met and the operator is in compliance with 19.15.5.9 NMAC.

IT IS THEREFORE ORDERED THAT:

The applicant, Unified Operating, LLC, is hereby authorized to utilize its West Jal B Deep Well No. 1 (API 30-025-25046) located 1980 feet from the North line and 660 feet from the East line, Unit letter H of Section 17, Township 25 South, Range 36 East, NMPM, Lea County, New Mexico, for disposal of oil field produced water (UIC Class II only) into the Fusselman formation through perforations from 16411 feet to 16670 feet through lined tubing and a packer set less than 100 feet above the permitted disposal interval.

IT IS FURTHER ORDERED THAT:

The operator shall take all steps necessary to ensure that the disposed water enters only the proposed disposal interval and is not permitted to escape to other formations or onto the surface.

After installing tubing, the casing-tubing annulus shall be loaded with an inert fluid and equipped with a pressure gauge or an approved leak detection device in order to determine leakage in the casing, tubing, or packer. The casing shall be pressure tested from the surface to the packer setting depth to assure casing integrity.

The well shall pass an initial mechanical integrity test ("MIT") prior to initially commencing disposal and prior to resuming disposal each time the disposal packer is unseated. All MIT testing procedures and schedules shall follow the requirements in Division Rule 19.15.26.11A. NMAC.

The wellhead injection pressure on the well shall be limited to **no more than 3282 psi**. In addition, the disposal well or system shall be equipped with a pressure limiting device in workable condition which shall, at all times, limit surface tubing pressure to the maximum allowable pressure for this well.

The Director of the Division may authorize an increase in tubing pressure upon a proper showing by the operator of said well that such higher pressure will not result in migration of the disposed fluid from the target formation. Such proper showing shall be demonstrated by sufficient evidence including but not limited to an acceptable Step-Rate-Test.

The operator shall notify the supervisor of the Division's district office of the date and time of the installation of disposal equipment and of any MIT test so that the same may be inspected and witnessed. The operator shall provide written notice of the date of commencement of disposal to the Division's district office. The operator shall submit monthly reports of the disposal operations on Division Form C-115, in accordance with Division Rules 19.15.26.13 and 19.15.7.24 NMAC.

Without limitation on the duties of the operator as provided in Division Rules 19.15.29 and 19.15.30 NMAC, or otherwise, the operator shall immediately notify the Division's district office of any failure of the tubing, casing or packer in the well, or of any leakage or release of water, oil or gas from around any produced or plugged and abandoned well in the area, and shall take such measures as may be timely and necessary to correct such failure or leakage.


The injection authority granted under this order is not transferable except upon division approval. The division may require the operator to demonstrate mechanical integrity of any injection well that will be transferred prior to approving transfer of authority to inject.

The division may revoke this injection permit after notice and hearing if the operator is in violation of 19.15.5.9 NMAC.

The disposal authority granted herein shall terminate two years after the effective date of this order if the operator has not commenced injection operations into the subject well. One year after the last date of reported disposal into this well, the Division shall consider the well abandoned, and the authority to dispose will terminate *ipso facto*. The Division, upon written request mailed by the operator prior to the termination date, may grant an extension thereof for good cause.

Compliance with this order does not relieve the operator of the obligation to comply with other applicable federal, state or local laws or rules, or to exercise due care for the protection of fresh water, public health and safety and the environment.

Jurisdiction is retained by the Division for the entry of such further orders as may be necessary for the prevention of waste and/or protection of correlative rights or upon failure of the operator to conduct operations (1) to protect fresh or protectable waters or (2) consistent with the requirements in this order, whereupon the Division may, after notice and hearing, terminate the disposal authority granted herein.


JAMI BAILEY
Director

JB/wvjj

cc: Oil Conservation Division – Hobbs



C-108 Review Checklist: Received

10/16/13

Add. Request:

[Economics / HC potential; inactive status; WC removed from injection]

Reply Date:

Suspended:

[Ver 13]

PERMIT TYPE: WFX / PMX / SWD

Number:

1482

Permit Date:

06/10/14

Legacy Permits/Orders:

SWD - 1328

Well No.:

1

Well Name(s):

West Jal B Deep

[Injection 14411 to 16670 only]

API: 30-0

25-25046

Spud Date:

06/12/1975

New or Old:

Old

(UIC Class II Primacy 03/07/1982)

Footages

1980 FNL / 660 FEL

Lot

or Unit

H

Sec

17

Tsp

255

Rge

36 E

County

Lea

General Location:

~1/2 mi west of Jal on NM 128

Pool:

[Jal; Wolfcamp West
Jal; Atoka, West
Jal; Fusselman
Jal; Strawn
Jal; Screen]

Pool No.:

4 pools

(see map)

BLM 100K Map:

Jal

Operator:

BC & D Operating

OPGRID:

25670

Contact:

E. Seay (C-100)

COMPLIANCE RULE 5.9: Total Wells:

3

Inactive:

2

Fincl Assur:

Yes

Compl. Order?

No

IS 5.9 OK?

allowed

Date:

06/10/2014

WELL FILE REVIEWED

Current Status:

P&A

[Per D. Sanchez - approval of SWD allowed for 9.9 compl
former Atoka / Strawn / Fusselman produce - well plugged]

WELL DIAGRAMS: NEW: Proposed

or RE-ENTER: Before Conv.

After Conv.

Logs in Imaging:

DIL/DLL; CNL-FDC;
PML-ML/BCS

Planned Rehab Work to Well:

Drill out CIBPs at 11650 and 14200; Use existing perfs + add perfs

Well Construction Details:		Sizes (in)	Setting	Cement	Cement Top and
		Borehole / Pipe	Depths (ft)	Size or Cf	Determination Method
Planned ___ or Existing <input checked="" type="checkbox"/> Surface		26/20	0 to 590 767	1700	Cir to Surface
Planned ___ or Existing <input checked="" type="checkbox"/> Interm/Prod		17 1/2 / 13 3/8	0 to 5159	5300	Temp Survey / 590'
Planned ___ or Existing ___ Interm/Prod		12 1/4 / 10 3/4	0 to 11263	2950	Temp Survey / 5140'
Planned ___ or Existing ___ Prod/Liner		9 1/2 / 7 3/4	10917 to 14685	1300	- Calc. to TOL (Cir?)
Planned ___ or Existing ___ Liner		6 1/2 / 5	14332 to 18930	725	- Calc. to TOL (Cir?)
Planned ___ or Existing <input checked="" type="checkbox"/> OH / PERM		Borelines	11708 to 16439	473	
Completion/Operation Details:					
Injection Stratigraphic Units:		Depths (ft) # WC removed	Injection or Confining Units	Tops	
Adjacent Unit: Litho. Struc. Por.					Drilled TD 18945 PBTD CIBP at 17,000
Confining Unit: Litho. Struc. Por.			Wolfcamp - Canyon/Cisco		NEW TD ___ NEW PBTD Same
Proposed Inj Interval TOP:		11708	Strawn	11708	NEW open Hole ___ or NEW Perfs ___
Proposed Inj Interval BOTTOM:		16439	Fusselman	16404	Tubing Size 4 1/2 in. Inter Coated? Yes
Confining Unit: Litho. Struc. Por.			Monkhouse		Proposed Packer Depth ___ ft
Adjacent Unit: Litho. Struc. Por.			3 Simpson		Min. Packer Depth 11608 (100-ft limit)
AOR: Hydrologic and Geologic Information					
POTASH: R-111-P Noticed? Yes BLM Sec Ord Noticed? NA SALT SALADO T: 1460 B: 3360 CLIFF HOUSE NA					
FRESH WATER: Aquifer Capital not required Max Depth 600 HYDRO AFFIRM STATEMENT By Qualified Person					
NMOSE Basin: Capital CAPITAN REEF: thru ___ No. Wells within 1-Mile Radius? 0 For well N of West					
Disposal Fluid: Formation Source(s) BS / Delaware / WC / Penna Info provided - Geo-Tech On Lease ___ Operator Only ___ or Commercial ___					
Disposal Int: Inject Rate (Avg/Max BWPD): 11500 Protectable Waters? No Source: Historical System: Closed ___ or Open ___					
HC Potential: Producing Interval? No Gas - Atoka / Fusselman / Strawn - depleted Method: Logs/DST/P&A/Other Production 2-Mile Radius Pool Map ___					
AOR Wells: 1/2-M Radius Map? Yes Well List? Yes Total No. Wells Penetrating Interval: 1 Horizontals? 0					
Penetrating Wells: No. Active Wells 0 Num Repairs? ___ on which well(s)? ___ Diagrams? ___					
Penetrating Wells: No. P&A Wells 1 Num Repairs? 1 on which well(s)? [Has open perfs in WC & BS - remedial required if] Diagrams? Yes					
NOTICE: Newspaper Date 10/2/2013 Mineral Owner Fee Surface Owner Fee N. Date 10/2/13					
RULE 26.7(A): Identified Tracts? Yes Affected Persons: BLM / SLO / Yates N. Date 10/2/13					

Permit Conditions:

Issues:

AOR well open perfs; calc. TOC for liners

Add Permit Cond:

WC removed from injection interval - squeeze WC perfs in well;

West Jal B Deep #1

API 30-025-25046

County, Lea

Township 25S Range 35E

Township 25S Range 36E

Township 26S Range 35E

Township 26S Range 36E

Form 104--(Four on Township)

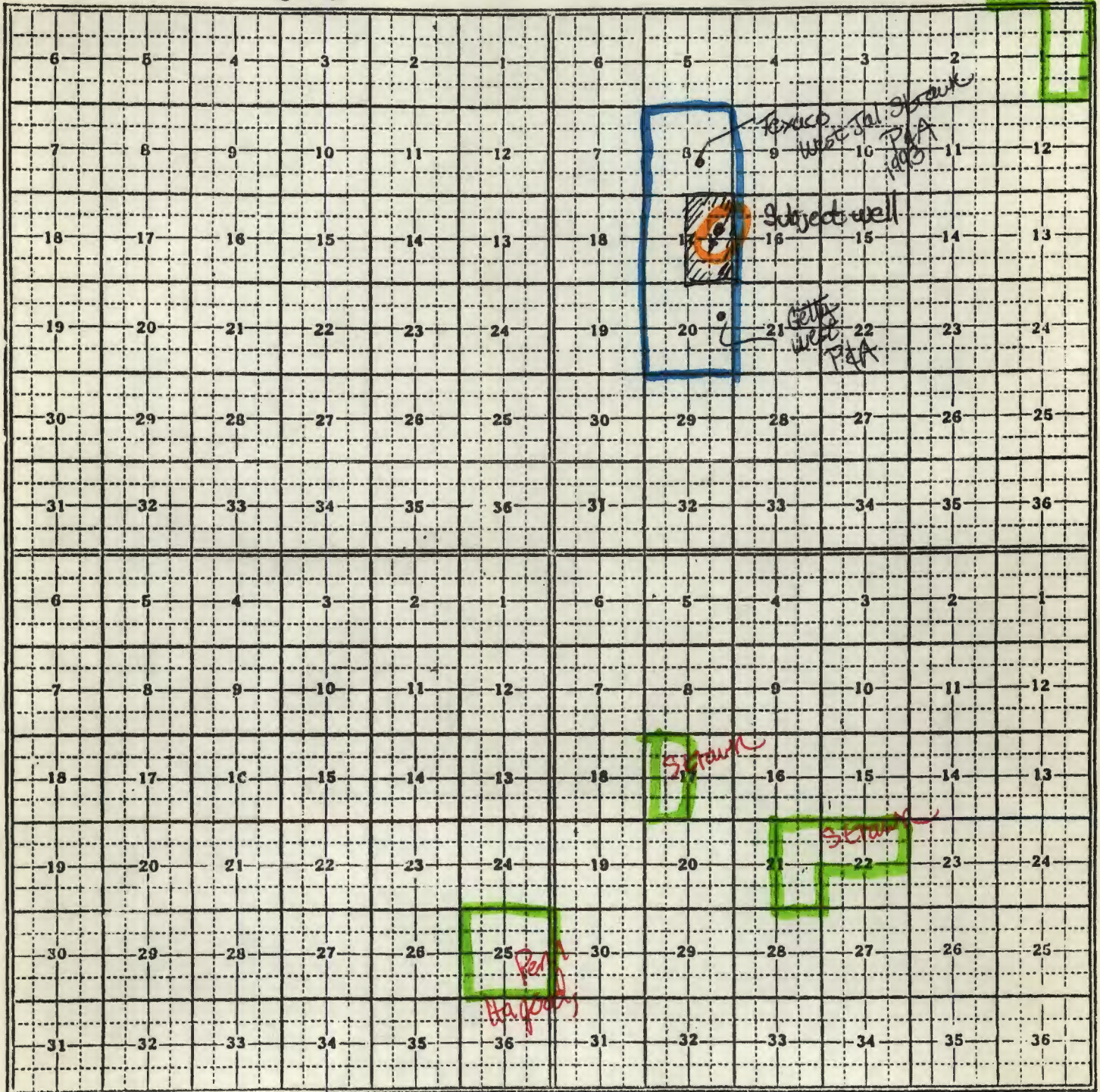
35 E

36 E

Elkberg

25
S

26
S



Jal; Wolfcamp, West
 Jal; Atoka, West
 Jal; Fusselman West Ggs - Associated - No producers
 Jal; Strawn, West
 No Devonian pods

Production Summary Report
API: 30-025-25046
[312747] WEST JAL B DEEP #001
Printed On: Friday, January 31 2014

		Production					Injection				
Year	Pool	Month	Oil(BBLS)	Gas(MCF)	Water(BBLS)	Days P/I	Water(BBLS)	Co2(MCF)	Gas(MCF)	Other	Pressure
1997	[33810] JAL;STRAWN, WEST (ASSOC)	Sep	0	2883	217	30	0	0	0	0	0
1997	[33810] JAL;STRAWN, WEST (ASSOC)	Oct	0	1702	318	31	0	0	0	0	0
1997	[33810] JAL;STRAWN, WEST (ASSOC)	Nov	0	1623	93	30	0	0	0	0	0
1997	[33810] JAL;STRAWN, WEST (ASSOC)	Dec	0	3359	390	31	0	0	0	0	0
1998	[33810] JAL;STRAWN, WEST (ASSOC)	Jan	0	2047	90	30	0	0	0	0	0
1998	[33810] JAL;STRAWN, WEST (ASSOC)	Feb	0	1605	84	28	0	0	0	0	0
1998	[33810] JAL;STRAWN, WEST (ASSOC)	Mar	0	2886	90	31	0	0	0	0	0
1998	[33810] JAL;STRAWN, WEST (ASSOC)	Apr	0	7892	92	30	0	0	0	0	0
1998	[33810] JAL;STRAWN, WEST (ASSOC)	May	0	1664	0	31	0	0	0	0	0
1998	[33810] JAL;STRAWN, WEST (ASSOC)	Jun	0	1229	95	30	0	0	0	0	0
1998	[33810] JAL;STRAWN, WEST (ASSOC)	Jul	0	1639	91	31	0	0	0	0	0
1998	[33810] JAL;STRAWN, WEST (ASSOC)	Aug	0	1681	239	31	0	0	0	0	0
1998	[33810] JAL;STRAWN, WEST (ASSOC)	Sep	0	2904	834	30	0	0	0	0	0
1998	[33810] JAL;STRAWN, WEST (ASSOC)	Oct	0	2260	558	30	0	0	0	0	0
1998	[33810] JAL;STRAWN, WEST (ASSOC)	Nov	0	1802	465	30	0	0	0	0	0
1998	[33810] JAL;STRAWN, WEST (ASSOC)	Dec	0	1758	345	28	0	0	0	0	0
1999	[33810] JAL;STRAWN, WEST (ASSOC)	Jan	0	1465	267	31	0	0	0	0	0
1999	[33810] JAL;STRAWN, WEST (ASSOC)	Feb	0	1182	242	28	0	0	0	0	0
1999	[33810] JAL;STRAWN, WEST (ASSOC)	Mar	0	1153	243	31	0	0	0	0	0
1999	[33810] JAL;STRAWN, WEST (ASSOC)	Apr	0	1720	399	25	0	0	0	0	0
1999	[33810] JAL;STRAWN, WEST (ASSOC)	May	0	1754	445	31	0	0	0	0	0
1999	[33810] JAL;STRAWN, WEST (ASSOC)	Jun	0	1313	145	25	0	0	0	0	0
1999	[33810] JAL;STRAWN, WEST (ASSOC)	Jul	0	1188	28	16	0	0	0	0	0
1999	[33810] JAL;STRAWN, WEST (ASSOC)	Aug	0	1066	3	31	0	0	0	0	0
1999	[33810] JAL;STRAWN, WEST (ASSOC)	Sep	0	1381	0	30	0	0	0	0	0
1999	[33810] JAL;STRAWN, WEST (ASSOC)	Oct	0	1532	0	31	0	0	0	0	0
1999	[33810] JAL;STRAWN, WEST (ASSOC)	Nov	0	1511	0	30	0	0	0	0	0
1999	[33810] JAL;STRAWN, WEST (ASSOC)	Dec	0	962	0	31	0	0	0	0	0
2000	[33810] JAL;STRAWN, WEST (ASSOC)	Jan	0	2086	42	26	0	0	0	0	0
2000	[33810] JAL;STRAWN, WEST (ASSOC)	Feb	0	1635	0	29	0	0	0	0	0
2000	[33810] JAL;STRAWN, WEST (ASSOC)	Mar	0	1450	0	31	0	0	0	0	0
2000	[33810] JAL;STRAWN, WEST (ASSOC)	Apr	0	1313	0	30	0	0	0	0	0
2000	[33810] JAL;STRAWN, WEST (ASSOC)	May	0	1734	0	31	0	0	0	0	0
2000	[33810] JAL;STRAWN, WEST (ASSOC)	Jun	0	1496	0	30	0	0	0	0	0
2000	[33810] JAL;STRAWN, WEST (ASSOC)	Jul	0	3254	0	31	0	0	0	0	0
2000	[33810] JAL;STRAWN, WEST (ASSOC)	Aug	0	3184	0	31	0	0	0	0	0
2000	[33810] JAL;STRAWN, WEST (ASSOC)	Sep	0	1606	0	30	0	0	0	0	0
2000	[33810] JAL;STRAWN, WEST (ASSOC)	Oct	0	1364	0	31	0	0	0	0	0
2000	[33810] JAL;STRAWN, WEST (ASSOC)	Nov	0	1154	0	30	0	0	0	0	0
2000	[33810] JAL;STRAWN, WEST (ASSOC)	Dec	0	1472	0	30	0	0	0	0	0
2001	[33810] JAL;STRAWN, WEST (ASSOC)	Jan	0	1532	453	31	0	0	0	0	0
2001	[33810] JAL;STRAWN, WEST (ASSOC)	Feb	0	0	0	0	0	0	0	0	0
2001	[33810] JAL;STRAWN, WEST (ASSOC)	Mar	0	0	0	0	0	0	0	0	0
2001	[33810] JAL;STRAWN, WEST (ASSOC)	Apr	0	1065	450	30	0	0	0	0	0
2001	[33810] JAL;STRAWN, WEST (ASSOC)	May	0	1355	394	31	0	0	0	0	0
2001	[33810] JAL;STRAWN, WEST (ASSOC)	Jun	0	812	0	30	0	0	0	0	0
2001	[33810] JAL;STRAWN, WEST (ASSOC)	Jul	82	820	0	30	0	0	0	0	0
2001	[33810] JAL;STRAWN, WEST (ASSOC)	Aug	0	849	0	31	0	0	0	0	0
2001	[33810] JAL;STRAWN, WEST (ASSOC)	Sep	0	852	0	30	0	0	0	0	0
2001	[33810] JAL;STRAWN, WEST (ASSOC)	Oct	0	693	0	31	0	0	0	0	0
2001	[33810] JAL;STRAWN, WEST (ASSOC)	Nov	6	1070	117	30	0	0	0	0	0
2001	[33810] JAL;STRAWN, WEST (ASSOC)	Dec	56	2255	642	31	0	0	0	0	0
2002	[33810] JAL;STRAWN, WEST (ASSOC)	Jan	0	1008	0	31	0	0	0	0	0
2002	[33810] JAL;STRAWN, WEST (ASSOC)	Feb	0	741	0	28	0	0	0	0	0
2002	[33810] JAL;STRAWN, WEST (ASSOC)	Mar	0	803	0	31	0	0	0	0	0
2002	[33810] JAL;STRAWN, WEST (ASSOC)	Apr	0	681	0	30	0	0	0	0	0

Production Summary Report
API: 30-025-25046
[312747] WEST JAL B DEEP #001
Printed On: Friday, January 31 2014

		Production					Injection				
Year	Pool	Month	Oil(BBLS)	Gas(MCF)	Water(BBLS)	Days P/I	Water(BBLS)	Co2(MCF)	Gas(MCF)	Other	Pressure
1992 Cum	[33810] JAL;STRAWN, WEST (ASSOC)	Dec	4117	547927	3936	99	0	0	0	0	0
1993	[33810] JAL;STRAWN, WEST (ASSOC)	Jan	20	5307	0	28	0	0	0	0	0
1993	[33810] JAL;STRAWN, WEST (ASSOC)	Feb	0	3055	0	24	0	0	0	0	0
1993	[33810] JAL;STRAWN, WEST (ASSOC)	Mar	0	2169	0	26	0	0	0	0	0
1993	[33810] JAL;STRAWN, WEST (ASSOC)	Apr	0	3551	0	30	0	0	0	0	0
1993	[33810] JAL;STRAWN, WEST (ASSOC)	May	0	2783	0	31	0	0	0	0	0
1993	[33810] JAL;STRAWN, WEST (ASSOC)	Jun	0	3123	0	30	0	0	0	0	0
1993	[33810] JAL;STRAWN, WEST (ASSOC)	Jul	0	2798	0	31	0	0	0	0	0
1993	[33810] JAL;STRAWN, WEST (ASSOC)	Aug	17	3166	0	28	0	0	0	0	0
1993	[33810] JAL;STRAWN, WEST (ASSOC)	Sep	98	2320	0	30	0	0	0	0	0
1993	[33810] JAL;STRAWN, WEST (ASSOC)	Oct	66	4945	0	31	0	0	0	0	0
1993	[33810] JAL;STRAWN, WEST (ASSOC)	Nov	3	3753	0	30	0	0	0	0	0
1993	[33810] JAL;STRAWN, WEST (ASSOC)	Dec	96	4814	0	31	0	0	0	0	0
1994	[33810] JAL;STRAWN, WEST (ASSOC)	Jan	5	3743	815	31	0	0	0	0	0
1994	[33810] JAL;STRAWN, WEST (ASSOC)	Mar	101	2773	0	31	0	0	0	0	0
1994	[33810] JAL;STRAWN, WEST (ASSOC)	Apr	1	2625	0	30	0	0	0	0	0
1994	[33810] JAL;STRAWN, WEST (ASSOC)	May	19	3314	0	31	0	0	0	0	0
1994	[33810] JAL;STRAWN, WEST (ASSOC)	Jun	15	4897	1290	30	0	0	0	0	0
1994	[33810] JAL;STRAWN, WEST (ASSOC)	Jul	0	4296	0	31	0	0	0	0	0
1994	[33810] JAL;STRAWN, WEST (ASSOC)	Aug	5	4238	0	29	0	0	0	0	0
1994	[33810] JAL;STRAWN, WEST (ASSOC)	Sep	6	3876	0	30	0	0	0	0	0
1994	[33810] JAL;STRAWN, WEST (ASSOC)	Oct	7	3846	0	31	0	0	0	0	0
1994	[33810] JAL;STRAWN, WEST (ASSOC)	Nov	12	3249	780	30	0	0	0	0	0
1994	[33810] JAL;STRAWN, WEST (ASSOC)	Dec	8	3122	775	31	0	0	0	0	0
1995	[33810] JAL;STRAWN, WEST (ASSOC)	Jan	0	3361	1023	31	0	0	0	0	0
1995	[33810] JAL;STRAWN, WEST (ASSOC)	Feb	0	2840	924	28	0	0	0	0	0
1995	[33810] JAL;STRAWN, WEST (ASSOC)	Mar	0	2098	990	30	0	0	0	0	0
1995	[33810] JAL;STRAWN, WEST (ASSOC)	Apr	0	2959	0	30	0	0	0	0	0
1995	[33810] JAL;STRAWN, WEST (ASSOC)	May	1	2918	609	24	0	0	0	0	0
1995	[33810] JAL;STRAWN, WEST (ASSOC)	Jun	0	1882	3	30	0	0	0	0	0
1995	[33810] JAL;STRAWN, WEST (ASSOC)	Jul	0	2247	73	31	0	0	0	0	0
1995	[33810] JAL;STRAWN, WEST (ASSOC)	Aug	0	2373	138	30	0	0	0	0	0
1995	[33810] JAL;STRAWN, WEST (ASSOC)	Sep	0	2063	0	30	0	0	0	0	0
1995	[33810] JAL;STRAWN, WEST (ASSOC)	Oct	0	2981	248	31	0	0	0	0	0
1995	[33810] JAL;STRAWN, WEST (ASSOC)	Nov	0	2614	889	30	0	0	0	0	0
1995	[33810] JAL;STRAWN, WEST (ASSOC)	Dec	0	2512	636	31	0	0	0	0	0
1996	[33810] JAL;STRAWN, WEST (ASSOC)	Jan	0	2521	730	24	0	0	0	0	0
1996	[33810] JAL;STRAWN, WEST (ASSOC)	Feb	0	2206	836	29	0	0	0	0	0
1996	[33810] JAL;STRAWN, WEST (ASSOC)	Mar	0	1740	811	30	0	0	0	0	0
1996	[33810] JAL;STRAWN, WEST (ASSOC)	Apr	0	1784	687	25	0	0	0	0	0
1996	[33810] JAL;STRAWN, WEST (ASSOC)	May	0	2252	461	31	0	0	0	0	0
1996	[33810] JAL;STRAWN, WEST (ASSOC)	Jun	0	2259	75	30	0	0	0	0	0
1996	[33810] JAL;STRAWN, WEST (ASSOC)	Jul	0	2136	10	31	0	0	0	0	0
1996	[33810] JAL;STRAWN, WEST (ASSOC)	Aug	0	1917	18	31	0	0	0	0	0
1996	[33810] JAL;STRAWN, WEST (ASSOC)	Sep	0	1699	22	30	0	0	0	0	0
1996	[33810] JAL;STRAWN, WEST (ASSOC)	Oct	1	2837	389	30	0	0	0	0	0
1996	[33810] JAL;STRAWN, WEST (ASSOC)	Nov	0	1854	161	30	0	0	0	0	0
1996	[33810] JAL;STRAWN, WEST (ASSOC)	Dec	0	1975	128	31	0	0	0	0	0
1997	[33810] JAL;STRAWN, WEST (ASSOC)	Jan	4	2318	309	30	0	0	0	0	0
1997	[33810] JAL;STRAWN, WEST (ASSOC)	Feb	0	1666	81	28	0	0	0	0	0
1997	[33810] JAL;STRAWN, WEST (ASSOC)	Mar	0	1695	93	31	0	0	0	0	0
1997	[33810] JAL;STRAWN, WEST (ASSOC)	Apr	0	2580	324	30	0	0	0	0	0
1997	[33810] JAL;STRAWN, WEST (ASSOC)	May	3780	1723	84	31	0	0	0	0	0
1997	[33810] JAL;STRAWN, WEST (ASSOC)	Jun	0	1613	355	30	0	0	0	0	0
1997	[33810] JAL;STRAWN, WEST (ASSOC)	Jul	0	2172	126	31	0	0	0	0	0
1997	[33810] JAL;STRAWN, WEST (ASSOC)	Aug	0	1689	102	31	0	0	0	0	0

Production Summary Report

API: 30-025-25046

[312747] WEST JAL B DEEP #001

Printed On: Friday, January 31 2014

Year	Pool	Production					Injection				
		Month	Oil(BBLS)	Gas(MCF)	Water(BBLS)	Days P/I	Water(BBLS)	Co2(MCF)	Gas(MCF)	Other	Pressure
2002	[33810] JAL;STRAWN, WEST (ASSOC)	May	0	904	216	31	0	0	0	0	0
2002	[33810] JAL;STRAWN, WEST (ASSOC)	Jun	0	626	0	30	0	0	0	0	0
2002	[33810] JAL;STRAWN, WEST (ASSOC)	Jul	0	716	0	29	0	0	0	0	0
2002	[33810] JAL;STRAWN, WEST (ASSOC)	Aug	0	884	0	31	0	0	0	0	0
2002	[33810] JAL;STRAWN, WEST (ASSOC)	Sep	0	1671	0	30	0	0	0	0	0
2002	[33810] JAL;STRAWN, WEST (ASSOC)	Oct	0	1572	0	31	0	0	0	0	0
2002	[33810] JAL;STRAWN, WEST (ASSOC)	Nov	0	972	0	30	0	0	0	0	0
2002	[33810] JAL;STRAWN, WEST (ASSOC)	Dec	0	840	0	31	0	0	0	0	0
2003	[33810] JAL;STRAWN, WEST (ASSOC)	Jan	0	953	0	31	0	0	0	0	0
2003	[33810] JAL;STRAWN, WEST (ASSOC)	Feb	0	631	0	28	0	0	0	0	0
2003	[33810] JAL;STRAWN, WEST (ASSOC)	Mar	0	691	0	31	0	0	0	0	0
2003	[33810] JAL;STRAWN, WEST (ASSOC)	Apr	0	610	0	30	0	0	0	0	0
2003	[33810] JAL;STRAWN, WEST (ASSOC)	May	0	642	0	31	0	0	0	0	0
2003	[33810] JAL;STRAWN, WEST (ASSOC)	Jun	0	1556	0	30	0	0	0	0	0
2003	[33810] JAL;STRAWN, WEST (ASSOC)	Jul	0	1078	993	25	0	0	0	0	0
2003	[33810] JAL;STRAWN, WEST (ASSOC)	Aug	0	848	1031	25	0	0	0	0	0
2003	[33810] JAL;STRAWN, WEST (ASSOC)	Sep	0	795	830	29	0	0	0	0	0
2003	[33810] JAL;STRAWN, WEST (ASSOC)	Oct	0	873	673	25	0	0	0	0	0
2003	[33810] JAL;STRAWN, WEST (ASSOC)	Nov	0	690	467	28	0	0	0	0	0
2003	[33810] JAL;STRAWN, WEST (ASSOC)	Dec	0	808	460	31	0	0	0	0	0
2004	[33810] JAL;STRAWN, WEST (ASSOC)	Jan	0	801	227	31	0	0	0	0	0
2004	[33810] JAL;STRAWN, WEST (ASSOC)	Feb	0	647	174	29	0	0	0	0	0
2004	[33810] JAL;STRAWN, WEST (ASSOC)	Mar	0	692	100	31	0	0	0	0	0
2004	[33810] JAL;STRAWN, WEST (ASSOC)	Apr	0	711	203	30	0	0	0	0	0
2004	[33810] JAL;STRAWN, WEST (ASSOC)	May	0	497	120	31	0	0	0	0	0
2004	[33810] JAL;STRAWN, WEST (ASSOC)	Jun	0	440	35	30	0	0	0	0	0
2004	[33810] JAL;STRAWN, WEST (ASSOC)	Jul	0	441	30	31	0	0	0	0	0
2004	[33810] JAL;STRAWN, WEST (ASSOC)	Aug	0	621	0	31	0	0	0	0	0
2004	[33810] JAL;STRAWN, WEST (ASSOC)	Sep	0	773	0	30	0	0	0	0	0
2004	[33810] JAL;STRAWN, WEST (ASSOC)	Oct	0	944	0	31	0	0	0	0	0
2004	[33810] JAL;STRAWN, WEST (ASSOC)	Nov	0	896	33	30	0	0	0	0	0
2004	[33810] JAL;STRAWN, WEST (ASSOC)	Dec	0	261	136	17	0	0	0	0	0
2005	[79160] JAL;FUSSELMAN, WEST (GAS)	Jan	0	3987	1578	9	0	0	0	0	0
2005	[79160] JAL;FUSSELMAN, WEST (GAS)	Feb	0	524	45	22	0	0	0	0	0
2005	[79160] JAL;FUSSELMAN, WEST (GAS)	Mar	0	702	23	31	0	0	0	0	0
2005	[79160] JAL;FUSSELMAN, WEST (GAS)	Apr	0	522	0	30	0	0	0	0	0
2005	[79160] JAL;FUSSELMAN, WEST (GAS)	May	0	544	0	31	0	0	0	0	0
2005	[79160] JAL;FUSSELMAN, WEST (GAS)	Jun	0	181	0	30	0	0	0	0	0
2005	[79160] JAL;FUSSELMAN, WEST (GAS)	Jul	0	79	0	31	0	0	0	0	0
2005	[79160] JAL;FUSSELMAN, WEST (GAS)	Aug	0	0	0	31	0	0	0	0	0
2005	[79160] JAL;FUSSELMAN, WEST (GAS)	Sep	0	0	0	0	0	0	0	0	0
2005	[79160] JAL;FUSSELMAN, WEST (GAS)	Oct	0	0	0	0	0	0	0	0	0
2005	[79160] JAL;FUSSELMAN, WEST (GAS)	Nov	0	0	0	0	0	0	0	0	0
2005	[79160] JAL;FUSSELMAN, WEST (GAS)	Dec	0	0	0	0	0	0	0	0	0
2006	[33813] JAL;WOLFCAMP, WEST	Aug	0	1048	0	31	0	0	0	0	0
2006	[33813] JAL;WOLFCAMP, WEST	Sep	0	916	0	30	0	0	0	0	0
2006	[33813] JAL;WOLFCAMP, WEST	Oct	0	779	0	31	0	0	0	0	0
2006	[33813] JAL;WOLFCAMP, WEST	Nov	0	357	0	30	0	0	0	0	0
2006	[33813] JAL;WOLFCAMP, WEST	Dec	0	486	0	30	0	0	0	0	0
2006	[79160] JAL;FUSSELMAN, WEST (GAS)	Jan	0	0	0	0	0	0	0	0	0
2006	[79160] JAL;FUSSELMAN, WEST (GAS)	Feb	0	0	0	0	0	0	0	0	0
2007	[33813] JAL;WOLFCAMP, WEST	Jan	0	8	0	30	0	0	0	0	0
2007	[33813] JAL;WOLFCAMP, WEST	Feb	0	141	0	14	0	0	0	0	0
2007	[33813] JAL;WOLFCAMP, WEST	Mar	0	78	0	19	0	0	0	0	0
2007	[33813] JAL;WOLFCAMP, WEST	Apr	0	49	0	30	0	0	0	0	0
2007	[33813] JAL;WOLFCAMP, WEST	May	0	0	7	31	0	0	0	0	0

API: 30-025-25046

Printed On: Friday, January 31 2014

		Production					Injection				
Year	Pool	Month	Oil(BBLS)	Gas(MCF)	Water(BBLS)	Days P/I	Water(BBLS)	Co2(MCF)	Gas(MCF)	Other	Pressure
2007	[33813] JAL;WOLFCAMP, WEST	Jun	0	0	0	0	0	0	0	0	0
2007	[33813] JAL;WOLFCAMP, WEST	Jul	0	0	0	0	0	0	0	0	0
2007	[33813] JAL;WOLFCAMP, WEST	Aug	0	0	0	0	0	0	0	0	0
2007	[33813] JAL;WOLFCAMP, WEST	Sep	0	0	0	0	0	0	0	0	0
2007	[33813] JAL;WOLFCAMP, WEST	Oct	0	0	0	0	0	0	0	0	0
2007	[33813] JAL;WOLFCAMP, WEST	Nov	0	0	0	0	0	0	0	0	0
2007	[33813] JAL;WOLFCAMP, WEST	Dec	0	0	0	0	0	0	0	0	0
2008	[33813] JAL;WOLFCAMP, WEST	Jan	0	0	0	0	0	0	0	0	0
2008	[33813] JAL;WOLFCAMP, WEST	Feb	0	0	0	0	0	0	0	0	0
2008	[33813] JAL;WOLFCAMP, WEST	Mar	0	0	0	0	0	0	0	0	0
2008	[33813] JAL;WOLFCAMP, WEST	Apr	0	0	0	0	0	0	0	0	0
2008	[33813] JAL;WOLFCAMP, WEST	May	0	0	0	0	0	0	0	0	0
2008	[33813] JAL;WOLFCAMP, WEST	Jun	0	0	0	0	0	0	0	0	0
2008	[33813] JAL;WOLFCAMP, WEST	Jul	0	0	0	0	0	0	0	0	0
2008	[33813] JAL;WOLFCAMP, WEST	Aug	0	0	0	0	0	0	0	0	0
2008	[33813] JAL;WOLFCAMP, WEST	Sep	0	0	0	0	0	0	0	0	0
2008	[33813] JAL;WOLFCAMP, WEST	Oct	0	0	0	0	0	0	0	0	0
2008	[33813] JAL;WOLFCAMP, WEST	Nov	0	0	0	0	0	0	0	0	0
2008	[33813] JAL;WOLFCAMP, WEST	Dec	0	0	0	0	0	0	0	0	0
2009	[33813] JAL;WOLFCAMP, WEST	Jan	0	0	0	0	0	0	0	0	0
2009	[33813] JAL;WOLFCAMP, WEST	Feb	0	0	0	0	0	0	0	0	0
2009	[33813] JAL;WOLFCAMP, WEST	Mar	0	0	0	0	0	0	0	0	0
2009	[33813] JAL;WOLFCAMP, WEST	Apr	0	0	0	0	0	0	0	0	0
2009	[33813] JAL;WOLFCAMP, WEST	May	0	0	0	0	0	0	0	0	0
2009	[33813] JAL;WOLFCAMP, WEST	Jun	0	0	0	0	0	0	0	0	0
2009	[33813] JAL;WOLFCAMP, WEST	Jul	0	0	0	0	0	0	0	0	0
2009	[33813] JAL;WOLFCAMP, WEST	Aug	0	0	0	0	0	0	0	0	0
2009	[33813] JAL;WOLFCAMP, WEST	Sep	0	0	0	0	0	0	0	0	0
2009	[33813] JAL;WOLFCAMP, WEST	Oct	0	0	0	0	0	0	0	0	0
2009	[33813] JAL;WOLFCAMP, WEST	Nov	0	0	0	0	0	0	0	0	0
2009	[33813] JAL;WOLFCAMP, WEST	Dec	0	0	0	0	0	0	0	0	0
2010	[33813] JAL;WOLFCAMP, WEST	Jan	0	0	0	0	0	0	0	0	0
2010	[33813] JAL;WOLFCAMP, WEST	Feb	0	0	0	0	0	0	0	0	0
2010	[33813] JAL;WOLFCAMP, WEST	Mar	0	0	0	0	0	0	0	0	0
2010	[33813] JAL;WOLFCAMP, WEST	Apr	0	0	0	0	0	0	0	0	0
2010	[33813] JAL;WOLFCAMP, WEST	May	0	0	0	0	0	0	0	0	0
2010	[33813] JAL;WOLFCAMP, WEST	Jun	0	0	0	0	0	0	0	0	0
2010	[33813] JAL;WOLFCAMP, WEST	Jul	0	0	0	0	0	0	0	0	0
2010	[33813] JAL;WOLFCAMP, WEST	Aug	0	0	0	0	0	0	0	0	0
2010	[33813] JAL;WOLFCAMP, WEST	Sep	0	0	0	0	0	0	0	0	0
2010	[33813] JAL;WOLFCAMP, WEST	Oct	0	0	0	0	0	0	0	0	0
2010	[33813] JAL;WOLFCAMP, WEST	Nov	0	0	0	0	0	0	0	0	0
2010	[33813] JAL;WOLFCAMP, WEST	Dec	0	0	0	0	0	0	0	0	0
2011	[33813] JAL;WOLFCAMP, WEST	Jan	0	0	0	0	0	0	0	0	0
2011	[33813] JAL;WOLFCAMP, WEST	Feb	0	0	0	0	0	0	0	0	0
2011	[33813] JAL;WOLFCAMP, WEST	Mar	0	0	0	0	0	0	0	0	0
2011	[33813] JAL;WOLFCAMP, WEST	Apr	0	0	0	0	0	0	0	0	0
2011	[33813] JAL;WOLFCAMP, WEST	May	0	0	0	0	0	0	0	0	0
2011	[33813] JAL;WOLFCAMP, WEST	Jun	0	0	0	0	0	0	0	0	0
2011	[33813] JAL;WOLFCAMP, WEST	Jul	0	0	0	0	0	0	0	0	0
2011	[33813] JAL;WOLFCAMP, WEST	Aug	0	0	0	0	0	0	0	0	0
2011	[33813] JAL;WOLFCAMP, WEST	Sep	0	0	0	0	0	0	0	0	0
2011	[33813] JAL;WOLFCAMP, WEST	Oct	0	0	0	0	0	0	0	0	0
	[33813] JAL;WOLFCAMP, WEST	Nov	0	0	0	0	0	0	0	0	0
2011	[33813] JAL;WOLFCAMP, WEST	Dec	0	0	0	0	0	0	0	0	0
2012	[33813] JAL;WOLFCAMP, WEST	Jan	0	0	0	0	0	0	0	0	0

Inactive Well List

Total Well Count: 3 Inactive Well Count: 3

Printed On: Tuesday, February 04 2014

District	API	Well	ULSTR	OCD Unit	OGRID	Operator	Lease Type	Well Type	Last Production	Formation/Notes	Status	TA Exp Date
1	30-025-11873	G W SHAHAN #002	B-33-25S-37E	B	25670	BC & D OPERATING INC.	P	G	07/2011	RET TO PROD 10/05/2009		
1	30-025-07281	PEOPLES SECURITY #001	L-23-16S-38E	L	25670	BC & D OPERATING INC.	P	O	08/2009	SAN ANDRES, 04/11/07 PUT BK ON PROD		
1	30-025-25046	WEST JAL B DEEP #001	H-17-25S-36E	H	25670	BC & D OPERATING INC.	P	G	04/2007	FUSSELMAN		

WHERE Ogrid:25670, County:All, District:All, Township:All, Range:All, Section:All, Production(months):15, Excludes Wells Under ACOI, Excludes Wells in Approved TA Period

Inactive Well List

Total Well Count: 3 Inactive Well Count: 3
Printed On: Wednesday, May 14 2014

District	API	Well	ULSTR	OCD Unit	OGRID	Operator	Lease Type	Well Type	Last Production	Formation/Notes	Status	TA Exp Date
1	30-025-11873	G W SHAHAN #002	B-33-25S-37E	B	25670	BC & D OPERATING INC.	P	G	07/2011	RET TO PROD 10/05/2009		
1	30-025-07281	PEOPLES SECURITY #001	L-23-16S-38E	L	25670	BC & D OPERATING INC.	P	O	08/2009	SAN ANDRES, 04/11/07 PUT BK ON PROD		
1	30-025-25046	WEST JAL B DEEP #001	H-17-25S-36E	H	25670	BC & D OPERATING INC.	P	G	04/2007	FUSSELMAN		

WHERE Ogrid:25670, County:All, District:All, Township:All, Range:All, Section:All, Production(months):15, Excludes Wells Under ACOI, Excludes Wells in Approved TA Period

*Returned to production
Confirmed by Hobbs*

*Complete SWD Conversion per D. Sanchez to resolve
TW status*