

DATE: 7/18/2017	SUSPENSE	ENGINEER: PRG	LOGGED IN: 4/21/2014	TYPE: SWD	APP NO: PMAM1411 3369
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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]

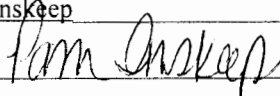
- [1] **TYPE OF APPLICATION** - Check Those Which Apply for [A]
- [A] Location - Spacing Unit - Simultaneous Dedication
☐ NSL ☐ NSP ☐ SD
- Check One Only for [B] or [C]
- [B] Commingling - Storage - Measurement
☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM
- [C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
☐ WFX ☐ PMX ☒ SWD ☐ IPI ☐ EOR ☐ PPR
- [D] Other: Specify _____ Amend existing Injection Authority _____
- [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,
 We will forward copies of the signed "green card" PS Form 3811 certifications as soon as all are received back.
- [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.

Pam Inskeep		Regulatory Administrator	4/02/2014
Print or Type Name	Signature	Title	Date
		pinskeep@btaoil.com	
		e-mail Address	

APPLICATION FOR AUTHORIZATION TO INJECT

- I. PURPOSE: Secondary Recovery Pressure Maintenance X Disposal Storage
Application qualifies for administrative approval? X Yes No
- II. OPERATOR: BTA OIL PRODUCERS LLC
ADDRESS: 104 S Pecos, Midland, TX 79701
CONTACT PARTY: Pam Inskeep PHONE: 432-682-3753
- III. WELL DATA: Complete the data required on the reverse side of this form for each well proposed for injection.
Additional sheets may be attached if necessary.
- IV. Is this an expansion of an existing project? Yes X No
If yes, give the Division order number authorizing the project: _____
- V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.
- VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.
- VII. Attach data on the proposed operation, including:
1. Proposed average and maximum daily rate and volume of fluids to be injected;
 2. Whether the system is open or closed;
 3. Proposed average and maximum injection pressure;
 4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and,
 5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
- *VIII. Attach appropriate geologic data on the injection zone including appropriate lithologic detail, geologic name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval.
- IX. Describe the proposed stimulation program, if any.
- *X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted).
Well logs were filed with the Division with the original completion.
- *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: Pam Inskeep TITLE: Regulatory Administrator
SIGNATURE:  DATE: 03/25/2014
E-MAIL ADDRESS: pinskeep@btaoil.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: _____

III. WELL DATA

- A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:
- (1) Lease name; Well No.; Location by Section, Township and Range; and footage location within the section.
 - (2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.
 - (3) A description of the tubing to be used including its size, lining material, and setting depth.
 - (4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.
- Division District Offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.
- B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.
- (1) The name of the injection formation and, if applicable, the field or pool name.
 - (2) The injection interval and whether it is perforated or open-hole.
 - (3) State if the well was drilled for injection or, if not, the original purpose of the well.
 - (4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.
 - (5) Give the depth to and the name of the next higher and next lower oil or gas zone in the area of the well, if any.

XIV. PROOF OF NOTICE

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

- (1) The name, address, phone number, and contact party for the applicant;
- (2) The intended purpose of the injection well; with the exact location of single wells or the Section, Township, and Range location of multiple wells;
- (3) The formation name and depth with expected maximum injection rates and pressures; and,
- (4) A notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, 1220 South St. Francis Dr., Santa Fe, New Mexico 87505, within 15 days.

NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

NOTICE: Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.

INJECTION WELL DATA SHEET

OPERATOR: BTA OIL PRODUCERS LLCWELL NAME & NUMBER: 8016 State 2 #1 ^{JP}WELL LOCATION: 660' FSL & 1980' FWL, UL N, Sec. 2, T23S, R34E, Lea County, NM
FOOTAGE LOCATION UNIT LETTER SECTION TOWNSHIP RANGEWELLBORE SCHEMATICWELL CONSTRUCTION DATASurface CasingHole Size: 26" Casing Size: 20"
Cemented with: 2450 [✓] sx. *or* ft³
Top of Cement: surface Method Determined: circIntermediate CasingHole Size: 17-1/2/12-1/4" Casing Size: 13-3/8"/9-5/8"
Cemented with: 3000/3600 sx. *or* ft³
Top of Cement: 3450'/surface Method Determined: TOC/circProduction CasingHole Size: 12-1/4" Casing Size: 7-5/8"
Cemented with: 320 sx. *or* ft³
Top of Cement: 11387' Method Determined: circ
Total Depth: 13380'Injection IntervalPropose 5400 feet to 7120 Perf

(Perforated or Open Hole; indicate which)

3.5 on diagram
of well

INJECTION WELL DATA SHEET

Tubing Size: 2-7/8" Lining Material: internally plastic-coated

Type of Packer: Arrowset AIX

Packer Setting Depth: 5340'

Other Type of Tubing/Casing Seal (if applicable):
CIBP @ ±12300', cap w/40' cmt
CIBP @ ±12150', cap w/40' cmt
CIBP @ ±11830' cap w/40' cmt
plug @ ±11337-11437'
plug @ ±8160-8375'

Additional Data

1. Is this a new well drilled for injection? Yes X No
 If no, for what purpose was the well originally drilled? Oil & Gas Producer, 1982
P&A 02/06/95
2. Name of the Injection Formation: Delaware (Bell Canyon/Cherry Canyon)
3. Name of Field or Pool (if applicable): SWD; Delaware
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. Yes, see detail in VI

AOR Well Data

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:
Delaware 5343'; Brushy Canyon 7140'; Bone Spring 8388'; Wolfcamp 10539'

8006
BTA Oil Producers
8016 State 2 #1 JV-P
Proposal to Re-Enter Wellbore and Convert to Disposal
Antelope Ridge
Lea County, New Mexico

Well Data: TD 13,380' Elevations: 3408' KB
PBTD: Surface 3376' GL
32' Diff

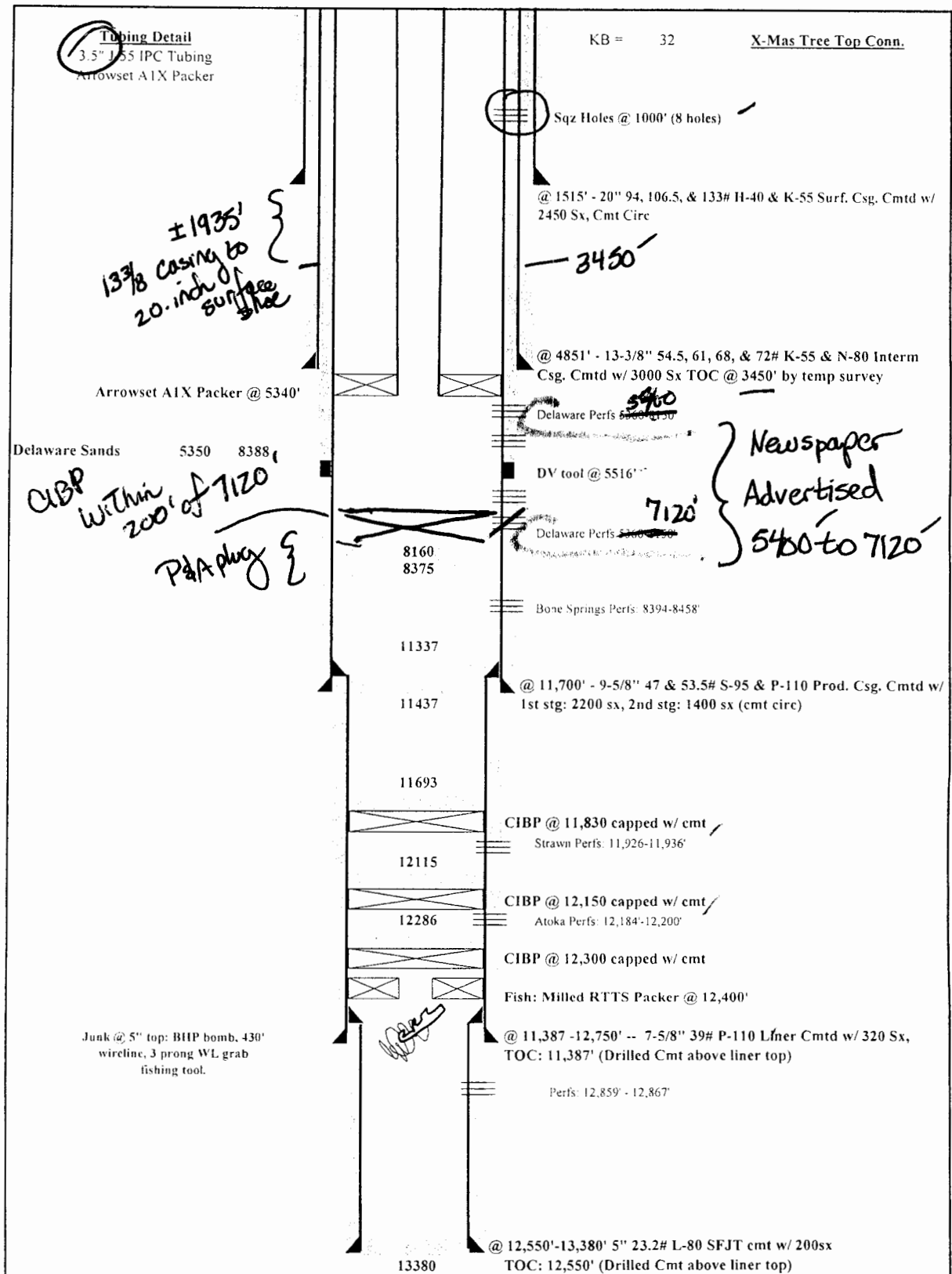
Casing: 20" 94, 106.5, 133# H-40 & K-55 @ 1515' w/ 2450 sx (cmt circ)
13-3/8" 54.5, 61, 68, 72# K-55 & N-80 @ 4851' w/ 3000 Sx
(TOC 3450' by temp survey)
9-5/8" 47 & 53.5# S-95 & P-110 @ 11,700' w/ 3600 Sx (Cmt Circ)
7-5/8" 39# P-110 Liner @ 11,387'-12,750' w/ 320 Sx
5" 23.2# L-80 SFJT @ 12,550'-13,380' w/ 200 Sx

Procedure:

1. Notify NMOCD of job to re-enter and convert to disposal
2. Dig out cellar and install wellhead on 9-5/8" casing string. Plate back 20" and 13-3/8" casing strings to 9-5/8" and install 2" risers with ball valves at surface. Label each valve. Wrap casing stub in polyken tape.
3. Install tubing head and pressure test 9-5/8" wellhead to 1500 psi.
4. MIRU pulling unit.
5. NU BOP and test to 250/1500 psi.
6. Drill out cement plug from surface to 30'. Drill out CICR @ 960' and squeeze cement below. Drill out plugs at 1465, 3400, and 4800'.
7. Circulate clean on top of cement plug @ 8160'.
8. Pressure test casing to 500 psi for 30 min on chart recorder.
9. MIRU WL unit. RIH w/ 3-3/8" 2 JSPF perforating guns and perforate (Delaware) 5360'-8150' as per perf sheet.
10. PU and RIH w/ pump off plug, nickel coated OD / plastic coated ID Arrowset 1X packer for 9-5/8" 53.5# casing; T2 on/off tool w/ 2.81F SS Profile; and new 3-1/2" J-55 plastic coated ID tubing. Set packer at 5340'.
11. Get off of packer and circulate around inhibited packer fluid. Pressure test backside to 500 psi for 30 min recording results on chart.
12. ND BOP, NU WH. RDMO pulling unit.
13. Pressure up on tubing and blow pump off plug.
14. Establish injection into Delaware perfs. Report injection rate/pressure to office.
15. Schedule and perform Mechanical Integrity Test with NMOCD. Send in chart to office.
16. After MIT has been approved, put well on injection.

PROPOSED WELLBORE

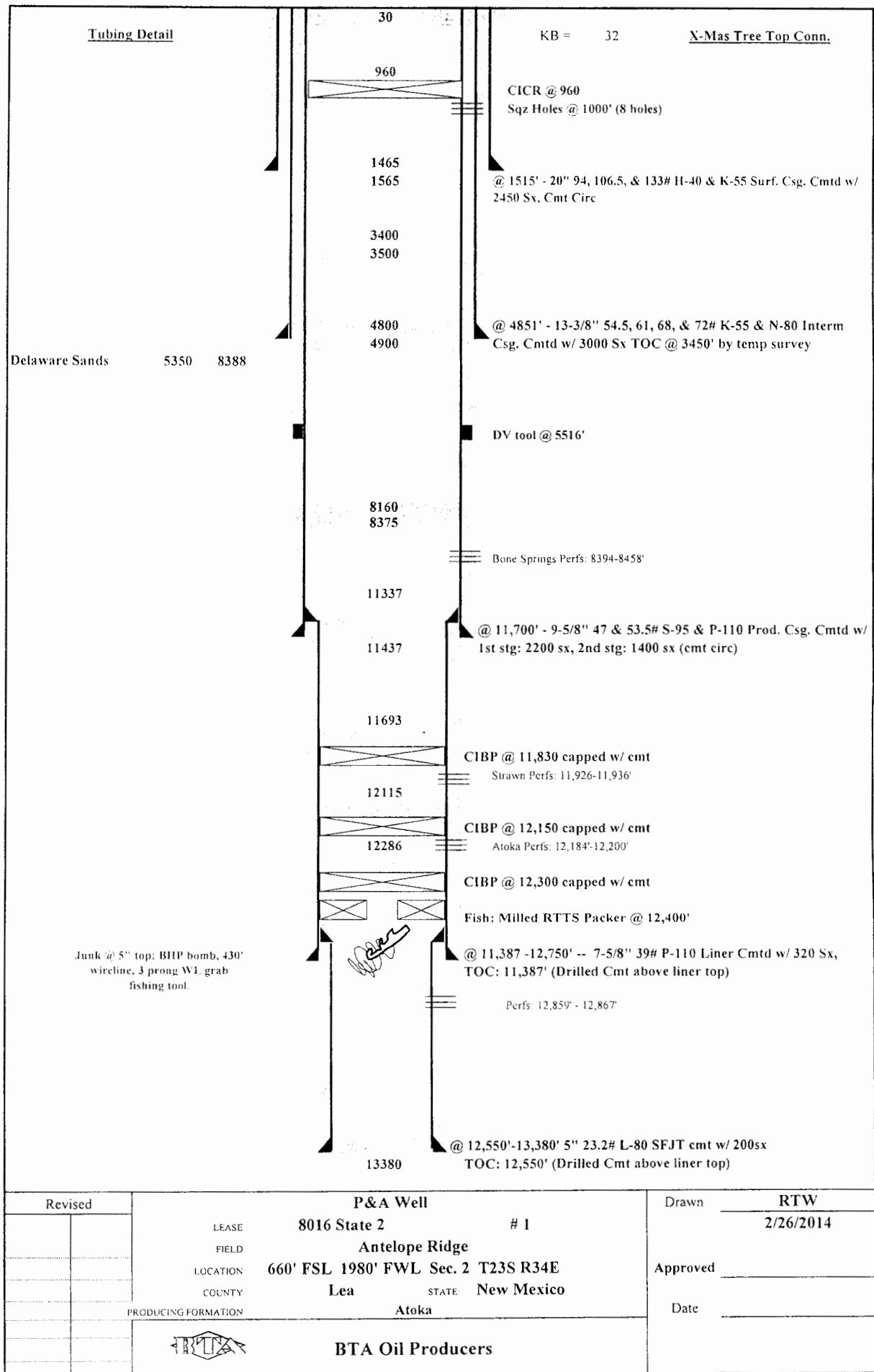
API 30-025-27486



Revised	P&A Well		Drawn	RTW
	LEASE	8016 State 2	# 1	2/26/2014
	FIELD	Antelope Ridge		
	LOCATION	660' FSL 1980' FWL Sec. 2 T23S R34E		
	COUNTY	Lea	STATE	New Mexico
	PRODUCING FORMATION	Atoka		
	BTA		Approved	
	BTA Oil Producers LLC		Date	

CURRENT WELLBORE

API 30-025-27486



Submit 3 Copies
to Appropriate
District Office

State of New Mexico
Energy, Minerals and Natural Resources Department

COPY
Form C-100
Revised 1-1-89

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

WELL API NO. 30-025-27486
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. NMB 1040
7. Lease Name or Unit Agreement Name 002348 State 2, 8016 JV-P
8. Well No. 1
9. Pool name or Wildcat Wildcat

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)	
1. Type of Well: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. Name of Operator BTA Oil Producers	
3. Address of Operator 104 S. Pecos, Midland, TX 79701	
4. Well Location Unit Letter <u>N</u> : <u>660</u> Feet From The <u>South</u> Line and <u>1980</u> Feet From The <u>West</u> Line Section <u>2</u> Township <u>23S</u> Range <u>34E</u> NMPM Lea County	
10. Elevation (Show whether DF, RKB, RT, GR, etc.) 3376' GR 3408' KB	

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input checked="" type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>		CASING TEST AND CEMENT JOB <input type="checkbox"/>	
OTHER: <input type="checkbox"/>		OTHER: <input type="checkbox"/>	

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

2-2-95: TD 13380, PB 11,337, Loaded tbg w/2% KCL wtr, released RTTS pkr @ 8256' & POH. WIH 2/2-7/8" tbg open-ended to 8375'. Circ hole w/9.5#/gal gld brine. Spotted 75 sx cmt plug @ 8375'. POH w/tbg.

2-3-95: Tagged plug @ 8160', Spotted 45 sx plug @ 4900-4800',
Spotted 45 sx plug @ 3500-3400'.

2-6-95: Spotted 45 sx cmt plug @ 1565-1465', Perf 8 sqz holes @ 1000', GIH w/9-5/8" cmt ret, Set @ 960', Sqzd w/200 sx Class -H-, Left 10' cmt on top of retainer. Cut off wellhead & spotted 10 sx @ surface. Installed dry hole marker.
P & A 2-6-95.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Dorothy Houghton TITLE Regulatory Administrator DATE 2-13-95
(915)
TYPE OR PRINT NAME Dorothy Houghton TELEPHONE NO. 682-3753

(This space for State Use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

Submit to Appropriate
District Office
State Lease - 6 copies
Fee Lease - 5 copies
DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

COPY
Form C-105
Revised 1-1-89

WELL API NO. 30-025-27486
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. NMB 1040

WELL COMPLETION OR RECOMPLETION REPORT AND LOG							
1a. Type of Well: OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> OTHER _____				7. Lease Name or Unit Agreement Name 002348 State 2, 8016 JV-P			
b. Type of Completion: NEW WELL <input type="checkbox"/> WORK OVER <input type="checkbox"/> DEEPEN <input type="checkbox"/> FLUD BACK <input checked="" type="checkbox"/> DEEP RESVR <input type="checkbox"/> OTHER _____							
2. Name of Operator BTA Oil Producers				8. Well No. 1			
3. Address of Operator 104 S. Pecos, Midland, TX 79701				9. Pool name or Wildcat Wildcat <i>Strawn</i>			
4. Well Location Unit Letter <u>N</u> : <u>660</u> Feet From The <u>South</u> Line and <u>1980</u> Feet From The <u>West</u> Line Section <u>2</u> Township <u>23S</u> Range <u>34E</u> NMPM Lea County							
10. Date Spudded W/O 6-29-94	11. Date T.D. Reached	12. Date Compl. (Ready to Prod.) 8-4-94	13. Elevations (DF & RKB, RT, GR, etc.) 3408' GR 3376' RT	14. Elev. Casinghead			
15. Total Depth 13380'	16. Plug Back T.D. 12115'	17. If Multiple Compl. How Many Zones?	18. Intervals Drilled By Rotary Tools	Cable Tools			
19. Producing Interval(s), of this completion - Top, Bottom, Name 11,926-11936' (Strawn)				20. Was Directional Survey Made			
21. Type Electric and Other Logs Run None				22. Was Well Cored			
23. NO CHANGE CASING RECORD (Report all strings set in well)							
CASING SIZE	WEIGHT LB/FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED		
24. LINER RECORD			25. TUBING RECORD				
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2-7/8	11936	11772
26. Perforation record (interval, size, and number) 11926-36' w/2 SPF (21 holes)				27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.			
				DEPTH INTERVAL			AMOUNT AND KIND MATERIAL USED
				11926-36			A w/2500 gals HCL
							A w/5000 gals gel pad
							10000 gals HCL
PRODUCTION							
28. Date First Production 8-4-94		Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing				Well Status (Prod. or Shut-in) Prod	
Date of Test 8-5-94	Hours Tested 24	Choke Size 1"	Prod'n For Test Period	Oil - Bbl. 3	Gas - MCF 20	Water - Bbl. 3	Gas - Oil Ratio 6666
Flow Tubing Press. 20 psi	Casing Pressure Pkr	Calculated 24-Hour Rate	Oil - Bbl. 3	Gas - MCF 20	Water - Bbl. 3	Oil Gravity - API - (Corr.) 52.0°	
29. Disposition of Gas (Sold, used for fuel, vented, etc.) Sold						Test Witnessed By Jim Loughmiller	
30. List Attachments C-104							
31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief							
Signature <i>Dorothy Houghton</i>				Printed Name Dorothy Houghton		Title Regulatory Admn. Date 8-16-94	

COPY

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Northwestern New Mexico

OIL OR GAS SANDS OR ZONES

IMPORTANT WATER SANDS

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness in Feet	Lithology	From	To	Thickness in Feet	Lithology
<p>RECEIVED AUG 18 1964 WALL NUBBS OFFICE</p>							

RECEIVED

Aug 18 1994

WILMINGTON
OFFICE

DISTRIBUTION		
SANTA FE		
FILE		
U.S.G.S.		
LAND OFFICE		
OPERATOR		

NEW MEXICO OIL CONSERVATION COMMISSION WELL COMPLETION OR RECOMPLETION REPORT AND LOG

COPY

Revised 11-1-81

5a. Indicate Type of Lease	
State <input checked="" type="checkbox"/>	Fee <input type="checkbox"/>
5. State Oil & Gas Lease No.	
NMB-1040	

1a. TYPE OF WELL	
OIL WELL <input type="checkbox"/>	GAS WELL <input checked="" type="checkbox"/>
b. TYPE OF COMPLETION	
NEW WELL <input checked="" type="checkbox"/>	WORK OVER <input type="checkbox"/>
DEEPEN <input type="checkbox"/>	PLUG BACK <input type="checkbox"/>
DIFF. RESVR. <input type="checkbox"/>	OTHER <input type="checkbox"/>

7. Unit Agreement Name
8. Farm or Lease Name
State 2, 8006 JV-P
9. Well No.
1
10. Field and Pool, or Wildcat
Antelope Ridge (Atoka)

2. Name of Operator
BTA OIL PRODUCERS
3. Address of Operator
104 South Pecos Midland, Texas 79701
4. Location of Well

UNIT LETTER "N"	LOCATED 660	FEET FROM THE South	LINE AND 1980	FEET FROM
THE West	LINE OF SEC. 2	TWP. 23-S	REC. 34-E	SUPR. Lea

15. Date Spudded	16. Date T.D. Reached	17. Date Compl. (Ready to Prod.)	18. Elevations (DF, RAB, RT, GR, etc.)	19. Elev. Casinghead
8/30/81	1/12/82	1/30/82	3376' GR	3386'
20. Total Depth	21. Plug Back T.D.	22. If Multiple Compl., How Many	23. Intervals Drilled By	24. Was Directional Survey Made
13,380'	13,360'	- -	Rotary Tools X	No
24. Producing Interval(s), of this completion - Top, Bottom, Name				25. Was Well Cored
12,184' - 12,867' (Atoka)				No
26. Type Electric and Other Logs Run				27. Was Well Cored
DLL/MSFL - DI BHC Sonic				No

28. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT LB. FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
20"	94,106.5&133#	1515'	26"	2450 SX	- -
13-3/8"	54.5,61,68&72#	4851'	17 1/2"	3000 SX	- -
9-5/8"	47& 53.5#	11700'	12 1/4"	3600 SX	- -
DV Tool @ 5516'					

29. LINER RECORD				30. TUBING RECORD			
SIZE	TOP	BOTTOM	SACKS CEMENT	SIZE	DEPTH SET	PACKER SET	
7-5/8"	11387'	12750'	320	- -	2-7/8"	11,905'	11,800'
5"	12550'	13380'	200				

31. Perforation Record (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
12,200' (25 - 17 HOLES)		DEPTH INTERVAL	
12,184' - 12,867' (2" - 26 holes)		AMOUNT AND KIND MATERIAL USED	
		12,184'-12,867' - -	

33. PRODUCTION							
Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump)				Well Status (Prod. or Shut-in)	
1/30/82		Flowing				Shut-in	
Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas-Oil Ratio
1/30/82	24			264	6451		24.436
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)	
6430	Pkr.		264	6451	- -	51.5	

34. Disposition of Gas (Sold, used for fuel, vented, etc.)	Test Witnessed By
SI Pending Connection (Vented for Test)	

35. List of Attachments
Log, Inclination Survey & C-104 (C-122&C-122-D will be filed upon connection)

36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.

SIGNED	BOB K. NEWLAND	TITLE	Regulatory Administrator	DATE	2/9/82
--------	----------------	-------	--------------------------	------	--------

This form is to be filled with the appropriate District Office of the Commission not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 30 through 34 shall be reported for each zone. The form is to be filled in quintuplicate except on state land, where six copies are required. See Rule 1105.

COPY

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northwestern New Mexico

T. Anhy 1648	T. Canyon	T. Ojo Alamo	T. Penn. "B"
T. Salt	T. Strawn 11,760	T. Kirtland-Fruitland	T. Penn. "C"
B. Salt	T. Atoka 12,146	T. Pictured Cliffs	T. Penn. "D"
T. Yates	T. Miss	T. Cliff House	T. Leadville
T. 7 Rivers	T. Devonian	T. Menefee	T. Madison
T. Queen	T. Silurian	T. Point Lookout	T. Elbert
T. Grayburg	T. Montoya	T. Mancos	T. McCracken
T. San Andres	T. Simpson	T. Gallup	T. Ignacio Qtzite
T. Glorieta	T. McKee	Base Greenhorn	T. Granite
T. Paddock	T. Ellenburger	T. Dakota	T.
T. Blinberry	T. Gr. Wash	T. Morrison	T.
T. Tubb	T. Granite	T. Todilto	T.
T. Drinkard	T. Delaware Sand 5349	T. Entrada	T.
T. Abo	T. Bone Springs 8388	T. Wingate	T.
T. Wolfcamp LS. 10539'	T. Morrow Sh. 12919'	T. Chinle	T.
T. Wolfcamp SH. 10686'	T. Morrow 'A' 13096'	T. Permian	T.
T. Cisco (Bough C)	T. Morrow 'C' 13286'	T. Penn. "A"	T.

OIL OR GAS SANDS OR ZONES

No. 1, from 12184' to 12200'	No. 4, from to
No. 2, from 12859' to 12867'	No. 5, from to
No. 3, from to	No. 6, from to

IMPORTANT WATER SANDS


Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from to feet	
No. 2, from to feet	
No. 3, from to feet	
No. 4, from to feet	

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
1648	5349		Anhydrite, Salt, red shale				
5349	8388		Del. Sand, Limestone, Sandstone, shale, dolomite				
8388	10539		Bone Springs, Limestone, shale, sandstone, chert				
10539	10686		Wolfcamp shale, sandstone shale, limestone				
10686	11760		Strawn, Limestone, Sand, Trace chert				
11760	12146		Atoka, Shale, Limestone, Chert.				
12146			Morrow, Limestone, Shale, chert, Sand.				

COPY



DOROTHY V. HOUGHTON

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LAND OFFICE	
TRANSPORTER	OIL
	GAS
OPERATOR	
PRORATION OFFICE	

NEW MEXICO OIL CONSERVATION COMMISSION
REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104
Supersedes Old C-104 and C-110
Effective 1-1-85

COPY

I. OPERATOR

Operator: **BTA OIL PRODUCERS**

Address: **104 South Pecos Midland, Texas 79701**

Reason(s) for filing (Check proper box)

New Well	<input checked="" type="checkbox"/>	Change in Transporter of:	
Recompletion	<input type="checkbox"/>	Oil	<input type="checkbox"/>
Change in Ownership	<input type="checkbox"/>	Casinghead Gas	<input type="checkbox"/>
		Dry Gas	<input type="checkbox"/>
		Condensate	<input type="checkbox"/>

Other (Please explain):

If change of ownership give name and address of previous owner:

II. DESCRIPTION OF WELL AND LEASE

Lease Name State 2, 8006 JV-P	Well No. 1	Pool Name, including Formation Antelope Ridge (Atoka)	Kind of Lease State, Federal or Fee State	Lease No. NMB-1040
Location Unit Letter "N" ; 660 Feet From The South Line and 1980 Feet From The West				
Line of Section 2 Township 23-S Range 34-E , NMPM, Lea County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
The Permian Corporation	Box 1183, Houston, Texas 77001
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
Llano, Inc.	P. O. Drawer 1320, Hobbs, New Mexico 88240
If well produces oil or liquids, give location of tanks.	Is gas actually connected? When
N 2 23-S 34-E	No 3/1/82

If this production is commingled with that from any other lease or pool, give commingling order number:

V. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Resrv.	Diff. Resrv.
		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					
Date Spudded 8/30/81	Date Compl. Ready to Prod. 1/30/82	Total Depth 13,380'		P.B.T.D. 13,360'				
Elevations (DF, RKB, RT, GR, etc.) 3376' GR	Name of Producing Formation Atoka	Top Oil/Gas Pay 12,184'		Tubing Depth 11,905'				
Perforations 12,184' - 12867'				Depth Casing Shoe 13,380'				
TUBING, CASING, AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE	DEPTH SET		SACKS CEMENT				
26"	20"	1515'		2450				
17 1/2"	13-3/8"	4851'		3000				
12 1/2"	9-5/8"	11700' DV05516'		3600				
-	2-7/8"	11950'						

V. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL

(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil-Bbls.	Water-Bbls.	Gas-MCF

GAS WELL

Actual Prod. Test-MCF/D 6451	Length of Test 24	Bbls. Condensate/MMCF 264	Gravity of Condensate 51.5
Testing Method (pilot, back pr.) Venting	Tubing Pressure (Shut-In) 7230	Casing Pressure (Shut-In) Pkr.	Choke Size -

VI. CERTIFICATE OF COMPLIANCE

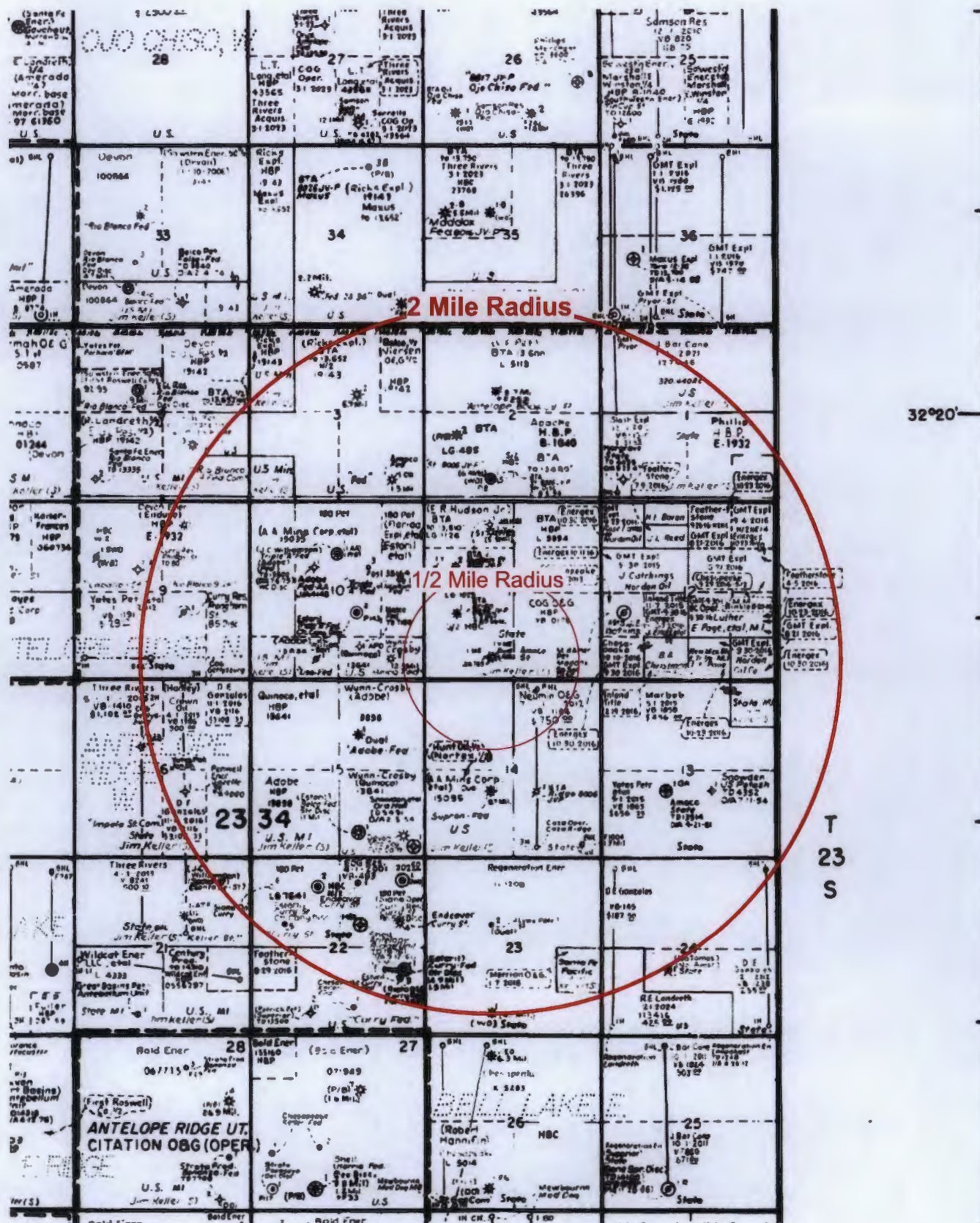
I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Bob K. Newland
 (Signature) **BOB K. NEWLAND**
 Regulatory Administrator
 (Title)
 2/11/82
 (Date)

OIL CONSERVATION COMMISSION

APPROVED _____, 19____
 BY _____
 TITLE _____

This form is to be filed in compliance with RULE 1104.
 If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.
 All sections of this form must be filled out completely for allowable on new and recompleted wells.
 Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.
 Separate Forms C-104 must be filed for each pool in multiply completed wells.



BTA Oil Producers, LLC - 8006 JV-P State 2 #1 WIW
Wells within 1/2 mile and 2 mile radius

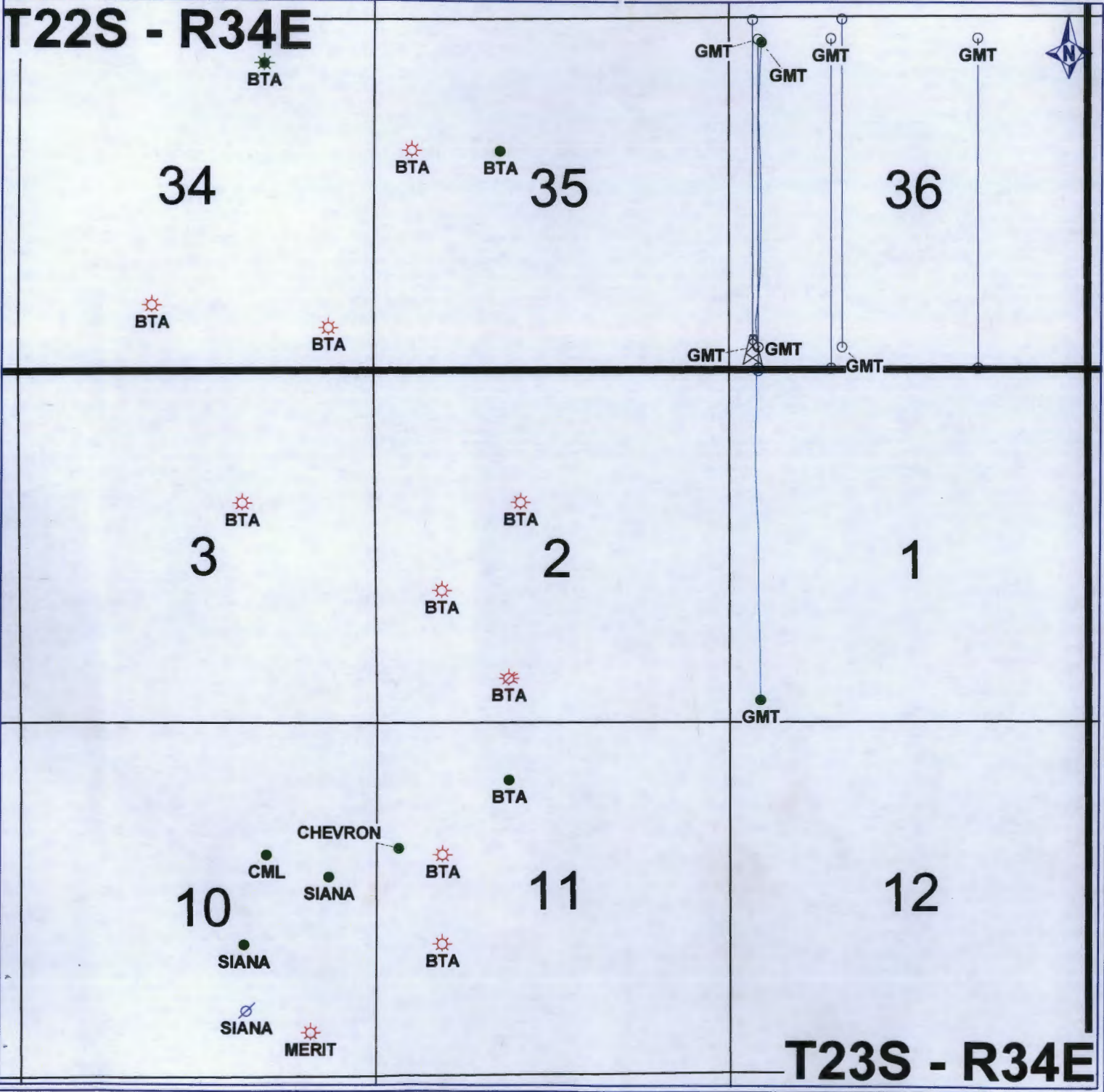
Exhibit "A"




API #	Operator	Well Name	Well No.	Sec	Tw	Rng	Footage Calls	TOC
30025298070000	BTA OIL PRODUCERS, LLC	MAXUS B	1	34	22S	34E	660'FSL & 660'FEL	surface
30025300320000	BTA OIL PRODUCERS, LLC	MAXUS B	2	34	22S	34E	990'FSL & 1980'FWL	surface
30025306610000	BTA OIL PRODUCERS, LLC	MAXUS 'B' 8026 JV-P	3	34	22S	34E	660'FNL & 1650'FEL	surface
30025306610001	BTA OIL PRODUCERS, LLC	MAXUS B 8026 JV-P	3	34	22S	34E	660'FNL & 1650'FEL	surface
30025278240000	BTA OIL PRODUCERS, LLC	MDDX FDRL 8016 JV-P	1	35	22S	34E	660'FSL & 1980'FWL	surface
30025279410000	BTA OIL PRODUCERS, LLC	MDDX FD 'B' 8016 JV-P	1	35	22S	34E	1980'FNL & 1980'FWL	surface
30025279410001	BTA OIL PRODUCERS, LLC	MADDOX FED B	1	35	22S	34E	1980'FNL & 1980'FWL	surface
30025301280000	BTA OIL PRODUCERS, LLC	MADDOX 'B' FEDERAL 8016 JV-P	2	35	22S	34E	1980'FNL & 660'FWL	1,400'
30025300920000	MAXUS EXPL CO	TORO '12-36'	1	36	22S	34E	1980'FSL & 990'FWL	surface
30025403960000	GMT EXPLOR CO LLC	PRYOR STATE	1H	36	22S	34E	330'FSL & 430'FWL	est 5,000'
30025403967000	GMT EXPLOR CO LLC	PRYOR STATE	1H	36	22S	34E	330'FSL & 430'FWL	est 5,000'
30025407150000	GMT EXPLOR CO LLC	PRYOR STATE	2H	36	22S	34E	20'FSL & 1508'FWL	est 5,000'
30025407160000	GMT EXPLOR CO LLC	PRYOR STATE	6H	36	22S	34E	20'FSL & 1618'FEL	est 5,000'
30025408440000	GMT EXPLOR CO LLC	PRYOR STATE	5H	36	22S	34E	20'FSL & 430'FWL	est 5,000'
30025413520000	GMT EXPLOR CO LLC	MERCHANT GAP 36 STATE COM	1H	36	22S	34E	40'FNL & 350'FWL	est 4,000'
30025413530000	GMT EXPLOR CO LLC	MERCHANT GAP 36 STATE COM	2H	36	22S	34E	40'FNL & 1670'FWL	est 4,000'
30025084820000	HARGRAVES ALLAN	STATE	1	1	23S	34E	660'FSL & 660'FWL	UNK
30025408620000	GMT EXPLOR CO LLC	PRYOR FEDERAL-STATE COM	4H	1	23S	34E	20'FNL & 430'FWL	3,992'
30025271660000	BTA OIL PRODUCERS, LLC	ANTELOPE 8006 JV-P	1	2	23S	34E	1980'FNL & 2180'FWL	2,800'
30025274860000	BTA OIL PRODUCERS, LLC	STATE '2' 8006 JV-P	1	2	23S	34E	660'FSL & 1980'FWL	3,450'
30025274860001	BTA OIL PRODUCERS, LLC	STATE '2' 8016 JV-P	1	2	23S	34E	660'FSL & 1980'FWL	3,450'
30025317390000	BTA OIL PRODUCERS, LLC	8016 JV-P STATE COM	2	2	23S	34E	1980'FSL & 990'FWL	3,900'
30025317390001	BTA OIL PRODUCERS, LLC	8016 JV-P STATE COM	2	2	23S	34E	1980'FSL & 990'FWL	3,900'
30025281190000	BP AMERICA PROD. CO.	FEDERAL 'CW' COM	1	3	23S	34E	660'FSL & 990'FEL	est 3,501'
30025294290000	BTA OIL PRODUCERS, LLC	MAXUS A	1	3	23S	34E	1980'FNL & 1980'FEL	1,089'
30025364250000	DEVON ENERGY CORP.	RIO BLANCO 4 FEDERAL COM	3	4	23S	34E	1650'FSL & 1650'FEL	4,570'
30025278050000	WILLIAMSON J C	PRONGHORN STATE	1	9	23S	34E	1980'FSL & 1980'FEL	est 4,500'
30025363020000	DEVON ENERGY CORP.	RIO BLANCO 9 STATE	1	9	23S	34E	660'FNL & 1575'FEL	surface
30025249020000	ADOBE OIL CO.	FEDERAL /AA/	1	10	23S	34E	1980'FNL & 1980'FWL	surface
30025249930000	SIANA OPERATING LLC	FEDERAL /AA/	1X	10	23S	34E	1560'FNL & 1830'FWL	surface
30025249930001	WILLIAMSON JC	TRIPLE 'A' FEDERAL	1	10	23S	34E	1560'FNL & 1830'FWL	surface
30025275210000	SIANA OPERATING LLC	TRIPLE 'A' FEDERAL	2	10	23S	34E	1980'FSL & 1980'FEL	4,970'
30025278130000	WILLIAMSON J C	ALTA FEDERAL	1	10	23S	34E	660'FSL & 1980'FWL	surface
30025279010000	MERIT ENERGY CO.	BELCO FEDERAL	2	10	23S	34E	660'FSL & 990'FEL	est 4,582'
30025285540000	SIANA OPERATING LLC	FEDERAL 'APD'	1	10	23S	34E	990'FSL & 1940'FEL	4,690'
30025325080000	CML EXP. LLC	TRIPLE 'A' FEDERAL	3	10	23S	34E	1980'FNL & 1650'FEL	3,170'

Exhibit "A"

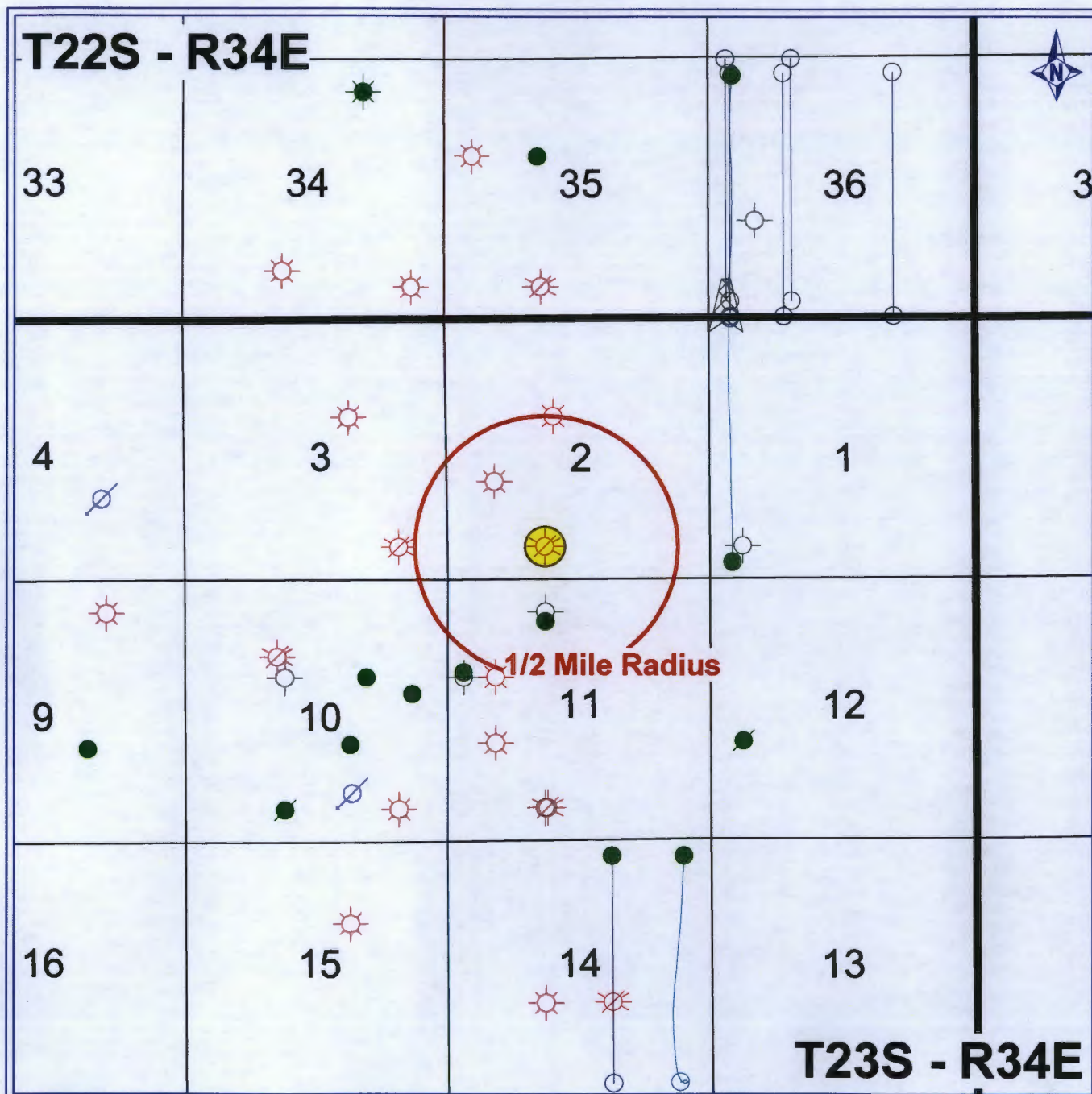
API #	Operator	Well Name	Well No.	Sec	Twtn	Rng	Footage Calls	TOC
30025329370000	SIANA OPERATING LLC	NEWKUMET FEDERAL	D1	10	23S	34E	2310'FNL & 720'FEL	4,060'
30025329370001	TOCO L L C	NEWKUMET FEDERAL	1	10	23S	34E	2310'FNL & 720'FEL	4,060'
30025273100000	BTA OIL PRODUCERS, LLC	HUDSON ST 8006 JV-P	1	11	23S	34E	660'FNL & 1980'FWL	surface
30025273640000	BTA OIL PRODUCERS, LLC	HUDSN STATE 8006 JV-P	1-Y	11	23S	34E	860'FNL & 1980'FWL	130'
30025275160000	AMOCO PROD CO	STATE /ME/COM	1	11	23S	34E	660'FSL & 1980'FWL	surface
30025276440000	BP AMERICA PROD. CO.	STATE `ME` COM	1-Y	11	23S	34E	660'FSL & 2030'FWL	1,865'
30025276440001	AMOCO PROD CO	STATE `ME` COM	1-Y	11	23S	34E	660'FSL & 2030'FWL	1,865'
30025305350000	BTA OIL PRODUCERS, LLC	BRIAN 8036 JV-P	1	11	23S	34E	1980'FSL & 990'FWL	3,054'
30025316130000	BTA OIL PRODUCERS, LLC	8016 JV-P HUDSON STATE COM	2	11	23S	34E	1980'FNL & 990'FWL	surface
30025316130001	BTA OIL PRODUCERS, LLC	HUDSON STATE COM 8016 JV-P	2	11	23S	34E	1980'FNL & 990'FWL	surface
30025382160000	CHEVRON USA INC.	KELLER 11 STATE	1Y	11	23S	34E	1880'FNL & 330'FWL	4,257'
30025385300000	CHESAPEAKE OPERG INC	KELLER 11 STATE	1	11	23S	34E	1980'FNL & 330'FWL	4,257'
30025272000000	MID-AMERICA PETRO. INC.	MADDOX	1	12	23S	34E	1980'FSL & 660'FWL	3,864'
30025266920000	BTA OIL PRODUCERS, LLC	RIDGE 8006 JV-P	1	14	23S	34E	1980'FSL & 1980'FEL	surface
30025266920001	BTA OIL PRODUCERS, LLC	RIDGE 8006 JV-P	1	14	23S	34E	1980'FSL & 1980'FEL	surface
30025267190000	HUNT OIL CO.	SUPRON /14/ FEDERAL	1	14	23S	34E	1980'FSL & 1980'FWL	surface
30025406210100	CAZA OPERATING LLC	CAZA RIDGE `14` STATE	3H	14	23S	34E	330'FSL & 1980'FEL	4,830'
30025409360000	CAZA OPERATING LLC	CAZA RIDGE `14` STATE	4H	14	23S	34E	330'FSL & 660'FEL	4,830'
30025268870000	MERIT ENERGY CO.	ADOBE FEDERAL	1	15	23S	34E	1650'FNL & 1980'FEL	surface

T22S - R34E



 BTA Oil Producers, LLC
8006 JV-P State 2
Active Operator Map
Sec. 2 - T23S - R34E
Lea Co., New Mexico
WELL SYMBOLS  Location Only  Drilling Well  Oil Well  Gas Well  Oil & Gas Well  Injection Well  Plugged & Abandoned Gas Well  Oil & Gas Well
REMARKS Only Active Locations Shown on Map
By: JHB
 0 2,000 FEET

T23S - R34E



BTA BTA Oil Producers, LLC

8006 JV-P State 2 #1

1/2 Mile Radius

Lea Co., New Mexico

- WELL SYMBOLS**
- Location Only
 - Drilling Well
 - Oil Well
 - Gas Well
 - Oil & Gas Well
 - Dry Hole
 - Injection Well
 - Plugged & Abandoned Oil Well
 - Plugged & Abandoned Gas Well
 - Oil & Gas Well

REMARKS

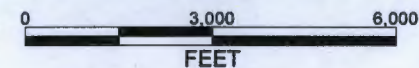
8006 JV-P State 2 #1 Highlighted in Yellow

1/2 Mile Radius Indicated in Red

Only Wells Within 2 Mile Radius Shown on Map

See Exhibit "A" For Well List

By: JHB



HALF MILE RADIUS

API #	Operator	Well Name	Well No.	TD	Sec	Tw	Rng	Footage Calls	Spud Date	Comp Date	Status	Prod Fm
30025274860000	BTA OIL PRODUCERS, LLC	STATE '2' 8006 JV-P	1	13380	2	23S	34E	660'FSL & 1980'FWL	8/30/1981	1/30/1982	PAGW	ATOKA
30025274860001	BTA OIL PRODUCERS, LLC	STATE '2' 8016 JV-P	1	13380	2	23S	34E	660'FSL & 1980'FWL	6/29/1994	8/5/1994	PAGW	STRAWN
30025317390000	BTA OIL PRODUCERS, LLC	8016 JV-P STATE COM	2	13460	2	23S	34E	1980'FSL & 990'FWL	3/4/1993	7/17/1993	GAS	ATOKA / MORROW
30025317390001	BTA OIL PRODUCERS, LLC	8016 JV-P STATE COM	2	13460	2	23S	34E	1980'FSL & 990'FWL	1/19/1994	2/1/1994	GAS	ATOKA
30025273100000	BTA OIL PRODUCERS, LLC	HUDSON ST 8006 JV-P	1	1061	11	23S	34E	660'FNL & 1980'FWL	3/30/1981	4/8/1981	DRY	
30025273640000	BTA OIL PRODUCERS, LLC	HUDSN STE 8006 JV-P	1-Y	13410	11	23S	34E	860'FNL & 1980'FWL	4/14/1981	3/2/1982	OIL	ATOKA / MORROW

3 AOR — 3 wells penetrate
+
1 Application

BTA Oil Producers LLC
 Application for Authorization to Inject
 8016 JV-P State 2 #1 WIW
 660' FSL & 1980' FWL
 Section 2, T23S, R34E
 Lea County, New Mexico

VI AOR Well Data

Well Name	Operator	Location	Type of Well	Spud Date	Comp Date	TD PBTD	Comp Interval	Producing Formation	Casing Program			
									Casing	Depth	Amt Cmt	Circ
8016 JV-P Hudson State #1-Y 30-025-27364	BTA Oil Producers LLC	1980' FWL & 860' FNL 11-23S-34E	Gas	4/18/1981	8/19/1981	13410' MD	13240-13296'	Morrow	20"	1500	2300	Circ
			Gas		Rec 4/20/1988	13380' PBTD 13410' MD 13158' PBTD	Sqz w/20 sx 12117-12158'	Atoka	13-3/8" 9-5/8"	4800 11700	3900 3400	130' Circ
8016 JV-P State 2 #1 30-025-27486 <i>Subject well</i>	BTA Oil Producers LLC	660' FSL & 1980' FWL 2-23S-34E	Gas	8/30/1981	1/30/1982	13380' MD	12184-12867'	Atoka	20"	1515	2450	Circ
			Oil		Rec 8/04/1994	13360' PBTD 13380' MD 12115' PBTD	CIBP @ 12150' w/35' 11926-11936' CIBP @ 11830' w/35 sx *	Strawn	13-3/8" 9-5/8"	4851 11700	3000 3600	3450' Circ
			Oil		Test 1/28/1995 P&A 2/06/1995	13380' MF 11337' PBTD	8394-8458' * 35 sx plug 11437'-11337'	Bone Spring				
8016 JV-P State 2 #2 30-025-31739	BTA Oil Producers LLC	1980' FSL & 990' FWL 2-23S-34E	Gas	3/4/1993	7/15/1993	13460' MD	12866-13322'	Morrow	13-3/8"	2000	2300	Circ
			Gas		1/31/1994	13400' PBTD 13460' MD 12800' PBTD	CIBP @ 12835' w/35' cmt 12122-12260'	Atoka	9-5/8" 7"	4150 10373	2000 2000	Circ 3900'
8006 JV-P Antelope #1 30-025-27166	BTA Oil Producers LLC	2180' FWL & 1980' FNL 2-23S-34E	Gas	12/6/1980	4/10/1981	13600' MD 13,015' PBTD	12241 - 12303'	Atoka	20" 13-3/8" 9-5/8"	703 4858 11754	1375 5400 3000	Circ 2800' Circ

3 wells - Active

A

A'

SIANA OPERATING L.L.C.
FEDERAL 'APD'
1
T23S R34E S10

BTA OIL PRODUCERS
STATE '2' 8006 JV-P
1
T23S R34E S2

BTA OIL PRODUCERS LLC
ANTELOPE 8006 JV-P
1
T23S R34E S2

Subsea
Depth (ft)
-1500 -

Subsea
Depth (ft)
-1500 -

-1600 -

-1600 -

-1700 -

-1700 -

-1800 -

-1800 -

-1900 -

-1900 -

-2000 -

-2000 -

-2100 -

-2100 -

-2200 -

-2200 -

-2300 -

-2300 -

-2400 -

-2400 -

-2500 -

-2500 -

-2600 -

-2600 -

-2700 -

-2700 -

-2800 -

-2800 -

-2900 -

-2900 -

-3000 -

-3000 -

-3100 -

-3100 -

-3200 -

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-3600 -

-3600 -

-3700 -

-3700 -

-3800 -

-3800 -

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-3900 -

-3600 -

-3600 -

-3700 -

-3700 -

-3800 -

-3800 -

DELAWARE

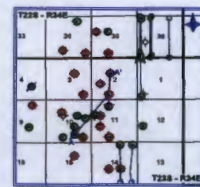
DELAWARE

Perfed
Casing
not OK

SUD-712
Injection

5110' to
5650'
only

No
Brushy



BTA OIL PRODUCERS, LLC	
8006 JV-P State 2	
A - A' Stratigraphic Cross Section	
Delaware	
TOPS AND MARKERS	
DELAWARE	
*** Top of Proposed Injection Interval Indicated in Red ***	
*** Open Hole Injection Interval Indicated in Blue ***	
By JHB	
March 1, 2014 12:54 PM	

Sec. 9 20-025-34577

SWD-1077 / Devon / Bell & Cherry

Sec. 8 Kaiser · Francis

30-025-24771

SWD-1084 Delaware

IPI-456 [to 1870psi]

Sec. 10 Siona Operating

30-025-28554

SWD-712 5110 to 5650

T22S - R34E

33

34

35

36

3

4

3

2

1

9

10

11

12

16

15

14

13

T23S - R34E

BTA BTA Oil Producers, LLC

8006 JV-P State 2

Producing Formation Map

Sec. 2 - T23S - R34E

Lea Co., New Mexico

ATTRIBUTE MAP

- Producing Formation Contains "BELL CANYON"
- Producing Formation Contains "CHERRY CANYON"
- Producing Formation Contains "BRUSHY CANYON"
- Producing Formation Contains "BONESPONG"
- Producing Formation Contains "WOLF CAMP"
- Producing Formation Contains "STRAWN"
- Producing Formation Contains "ATOKA"
- Producing Formation Contains "MORROW"
- Producing Formation Contains "DEVONIAN"

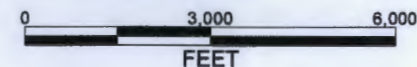
WELL SYMBOLS

- Location Only
- Drilling Well
- Oil Well
- Gas Well
- Oil & Gas Well
- Dry Hole
- Injection Well
- Plugged & Abandoned Oil Well
- Plugged & Abandoned Gas Well
- Oil & Gas Well

REMARKS

Top of Delaware Stratigraphic Cross Section
Shown On Map

By: JHB



30-025-36425

Devon's Active

SWD

R-13410

Siona

SWD-712

CoG
Gettysburg

SWD-1416

Delaware: 5062'-6550'

BTA Oil Producers LLC
Application for Authorization to Inject
8016 JV-P State 2 #1 WIW
660' FSL & 1980' FWL
Section 2, T23S, R34E
Lea County, New Mexico

VII Operation Data

1. Proposed average daily injection volume 4000 BWPD
 Proposed maximum daily injection volume 10000 BWPD
2. This will be a closed system.
3. Proposed average daily injection pressure 500 psi
 Proposed maximum daily injection pressure 1080 psi
4. Sources of injection water will be produced water from area producers that have been drilled, or may be drilled. These will be compatible with known waters in disposal zones.

BTA Oil Producers LLC
Application for Authorization to Inject
8016 JV-P State 2 #1 WIW
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Section 2, T23S, R34E
Lea County, New Mexico

VII Item 5

Disposal Zone Formation Water

Injection into the 8016 JV-P State 2 #1 will be for disposal of produced water from other wells. The zone identified for disposal is not productive of oil or gas at this location. See attached Producing Formation Map. There are three current producing wells within the AOR of the 8016 JV-P State 2 #1. All of these wells are BTA wells: 8006 JV-P Antelope #1 API 30-025-27166, the 8016 JV-P State 2 #2 API 30-025-31739, and the 8016 JV-P Hudson State #1-Y API 30-025-27364, all producing from the Atoka.

BTA Oil Producers LLC
Application for Authorization to Inject
8016 JV-P State 2 #1 WIW
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VIII Geologic Data

8016 JV-P State 2 #1WIW Geological Discussion Regarding Proposed Disposal Interval

A. Disposal Zone

Injection will be into the Bell Canyon and Cherry Canyon members of the Delaware Mountain Group.

The Delaware Mountain Group has a total thickness in excess of 4,000 feet within this locality. It is comprised of alternating units of siltstone, sandstone, and limestone with minor units of shale. The proposed injection intervals in the Bell Canyon and Cherry Canyon members exhibit very good porosity as observed on electric logs. These sandstones have made productive oil and gas reservoirs regionally when the formations are associated with structural closures or stratigraphic pinchouts. At the proposed location, however, no closure has been observed. Additionally, electric logs indicate the formation is brine saturated and no shows were observed on the mudlog.

The Delaware Mountain Group was deposited within a deep marine basin. The cleaner sandstone units represent submarine channel/fan sequences deposited down dip of the shelf margin under turbiditic conditions triggered by tectonic activity, gravity slumping or sea level changes. The siltstone, limestone and/or shale units represent the normal deposition that occurs within a marine basin between the catastrophic interruptions of turbiditic events.

B. Fresh Water Sources:

Fresh water is present in Triassic aged reservoirs to a depth of 600 feet.

BTA Oil Producers LLC
Application for Authorization to Inject
8016 JV-P State 2 #1 WIW
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Section 2, T23S, R34E
Lea County, New Mexico

- X Well logs were filed with the original completion.
- XI No water wells are located in the 2-mile area surrounding the 8016 JV-P State 2 #1.
- XII There is no geological evidence of open faults nor other hydrologic connection between the disposal zone and any underground drinking water sources.



New Mexico Office of the State Engineer Water Column/Average Depth to Water

(A CLW##### in the
POD suffix indicates the
POD has been replaced
& no longer serves a
water right file.)

(R=POD has
been replaced,
O=orphaned,

C=the file is (quarters are 1=NW 2=NE 3=SW 4=SE)
closed) (quarters are smallest to largest)

(NAD83 UTM in meters) (In feet)

POD Number	POD Sub- Code	basin	County	Q Q Q			Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
				64	16	4								
C 03620 POD1	C	LE		1	4	3	32	23S	34E	641790	3569941	480	130	350
CP 00556		LE		4	4	3	08	23S	34E	641762	3576206	497	255	242
CP 00580		LE		3	4	3	23	23S	34E	646524	3572948*	220		
CP 00606		LE			4	1	23	23S	34E	646613	3573854*	650	265	385
CP 00618		LE		1	2	4	22	23S	34E	645713	3573539*	428	295	133
CP 00637		LE		3	3	4	15	23S	34E	645293	3574541*	430	430	0
CP 00872		LE		1	1	1	08	23S	34E	641225	3577504*	500	305	195
CP 01120 POD1		LE		2	3	3	14	23S	34E	646366	3574753	397	318	79
CP 01258 POD1		LE		1	4	3	22	23S	34E	645015	3573221	25		
CP 01258 POD2		LE		1	4	3	22	23S	34E	644941	3572883	65		
CP 01258 POD3		LE		1	4	3	22	23S	34E	644941	3572883	25		

Average Depth to Water: **285 feet**

Minimum Depth: **130 feet**

Maximum Depth: **430 feet**

Record Count: 11

Basin/County Search:

County: Lea

PLSS Search:

Section(s): 1-36

Township: 23S

Range: 34E

*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.




New Mexico Office of the State Engineer

Currently Active Points of Diversion

(with Ownership Information)

(acre ft per annum)					(quarters are 1=NW 2=NE 3=SW 4=SE)										(quarters are smallest to largest)		(NAD83 UTM in meters)	
WR File Nbr	Sub basin	Use	Diversion	Owner	County	POD Number	Grant	Source	q	q	q	6416 4	Sec	Tws	Rng	X	Y	
CP 00323		PRO	0	SHELL OIL COMPANY	LE	CP 00323			3	2	22	23S	34E			645406	3573837*	
CP 00556		PRO	0	J.C. MILLS	LE	CP 00556		Shallow	4	4	3	08	23S	34E		641762	3576206	
CP 00580		PRO	0	NATOMAS NORTH AMERICA INC	LE	CP 00580		Shallow	3	4	3	23	23S	34E		646524	3572948*	
CP 00606		PRO	0	NATOMAS NORTH AMERCIA INC.	LE	CP 00606		Shallow	4	1	23	23S	34E			646613	3573854*	
CP 00613		PRO	0	J.C. MILLS	LE	CP 00613			3	1	4	07	23S	34E		640433	3576489*	
CP 00615		PRO	0	J.C. MILLS	LE	CP 00615			4	4	4	06	23S	34E		641016	3577701*	
CP 00618		PRO	0	ESTORIL PRODUCING CO.	LE	CP 00618		Shallow	1	2	4	22	23S	34E		645713	3573539*	
CP 00629		PRO	0	J.C. MILLS	LE	CP 00629			4	4	3	08	23S	34E		641846	3576102*	
CP 00637		PRO	3	KELLER RV, LLC	LE	CP 00637		Shallow	3	3	4	15	23S	34E		645293	3574541*	
CP 00649		PRO	0	MID AMERICAN PETROLEUM COMPANY	LE	CP 00649			4	1	10	23S	34E			644956	3577051*	
CP 00872		EXP	0	JIM KELLER RV, LLC	LE	CP 00872		Shallow	1	1	1	08	23S	34E		641225	3577504*	
CP 00876		COM	0	LIMESTONE LIVESTOCK, LLC	LE	CP 00872		Shallow	1	1	1	08	23S	34E		641225	3577504*	
CP 00878		PRO		PENWELL ENERGY	LE	CP 00872		Shallow	1	1	1	08	23S	34E		641225	3577504*	
CP 01070		PRO	0	TONYA'S PERMIT SERVICE	LE	CP 00556		Shallow	4	4	3	08	23S	34E		641762	3576206	
CP 01071		PRO	0	TD WATER SERVICES	LE	CP 00556		Shallow	4	4	3	08	23S	34E		641762	3576206	
CP 01072		PRO	0	GLENN'S WATER WELL SRVC, INC.	LE	CP 00556		Shallow	4	4	3	08	23S	34E		641762	3576206	
CP 01075		DOL	0	ATKINS ENGR ASSOC INC	LE	CP 01075 POD1			1	1	1	08	23S	34E		641277	3577525	
CP 01120		STK	3	LIMESTONE LIVESTOCK LLC	LE	CP 01120 POD1		Shallow	2	3	3	14	23S	34E		646366	3574753	

*UTM location was derived from PLSS - see Help

(acre ft per annum)					(quarters are 1=NW 2=NE 3=SW 4=SE)												
WR File Nbr	Sub basin	Use	Diversion	Owner	County	POD Number	Grant	Source	(quarters are smallest to largest)				(NAD83 UTM in meters)				
									q	q	q	q	X	Y			
									6416	4	Sec	Tws	Rng				
<u>CP 01130</u>		MON		0 SOUTHERN UNION GAS SERVICES	LE	<u>CP 01130 POD1</u>			2	1	2	07	23S	34E	640662	3577558	
					LE	<u>CP 01130 POD2</u>			2	1	2	07	23S	34E	640673	3577549	
					LE	<u>CP 01130 POD3</u>			2	1	2	07	23S	34E	640684	3577540	
					LE	<u>CP 01130 POD4</u>			2	1	2	07	23S	34E	640695	3577534	
					LE	<u>CP 01130 POD5</u>			2	1	2	07	23S	34E	640705	3577525	
<u>CP 01168</u>		EXP		0 LIMESTONE LIVESTOCK LLC	LE	<u>CP 01168 POD1</u>			2	4	1	18	23S	34E	640246	3575420	
<u>CP 01179</u>		PRO		0 CONCHO OIL & GAS	LE	<u>CP 00556</u>		Shallow	4	4	3	08	23S	34E	641762	3576206	
<u>CP 01180</u>		PRO		0 CONCHO OIL & GAS	LE	<u>CP 00556</u>		Shallow	4	4	3	08	23S	34E	641762	3576206	
<u>CP 01181</u>		PRO		0 CONCHO OIL & GAS	LE	<u>CP 00556</u>		Shallow	4	4	3	08	23S	34E	641762	3576206	
<u>CP 01258</u>		MON		0 SIANA OIL AND GAS CO., LLC.	LE	<u>CP 01258 POD1</u>			1	4	3	22	23S	34E	645014	3573221	
					LE	<u>CP 01258 POD2</u>			1	4	3	22	23S	34E	644941	3572883	
					LE	<u>CP 01258 POD3</u>			1	4	3	22	23S	34E	644941	3572883	

Record Count: 30

POD Search:

POD Basin: Capitan

Basin/County Search:

Basin: Capitan

County: Lea

PLSS Search:

Section(s): 1-36

Township: 23S

Range: 34E

Sorted by: File Number

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

4/15/14 2:19 PM

Page 2 of 2

CURRENTLY ACTIVE POINTS OF DIVERSION

BTA Oil Producers LLC
Application for Authorization to Inject
8016 JV-P State 2 #1 WIW
660' FSL & 1980' FWL
Section 2, T23S, R34E
Lea County, New Mexico

XIII Notice of Offset Operators Within ½ Mile

I hereby certify that BTA Oil Producers LLC holds 100% Working Interest in this well.

Surface Owner is State of NM

Offset Operator List

Chevron Midcontinent LP
Chevron USA Inc
1400 Smith
Houston, TX 77002
Attn: Sandy Stedman-Daniel

CML Exploration LLC
P. O. Box 890
Snyder, TX 79550

Merit Energy Company LLC
Attn: Lynne Moon, Regulatory Manager
13727 Noel Road, Suite 500
Dallas, TX 75204

Siana Operating LLC
P. O. Box 10303
Midland, TX 79702

In addition, I hereby certify that notification of BTA's application was mailed via certified mail to the above named parties on the 15th day of April, 2014.



Pam Inskeep



BTA OIL PRODUCERS, LLC

104 SOUTH PECOS STREET
MIDLAND, TEXAS 79701-5021
432-682-3753
FAX 432-683-0311

CARLTON BEAL, JR.
BARRY BEAL
SPENCER BEAL
KELLY BEAL
BARRY BEAL, JR.
STUART BEAL
ROBERT DAVENPORT, JR.

GULF COAST DISTRICT
TOTAL PLAZA
1201 LOUISIANA STREET, STE. 570
HOUSTON, TEXAS 77002
713-658-0077 FAX 713-655-0346

ROCKY MOUNTAIN DISTRICT
600 17TH STREET, STE. 2230 SOUTH
DENVER, COLORADO 80202
303-534-4404 FAX 303-534-4661

April 14, 2014

RE: Offset Operator Notification
Application for Authorization to Inject
8016 JV-P State 2 #1 WIW
660' FSL & 1980' FWL
Section 2, T23S, R34E
Lea County, New Mexico

INTERESTED PARTIES

Gentlemen,

BTA has filed an application for Authorization to Inject at the above referenced location.

As required by NMOCD rules, you are receiving notification of the proposed well. Attached please find a copy of our letter to the State of New Mexico requesting approval along with a copy of our Application Packet. This letter is notice only. No action is needed, unless you have questions or objections. Should you have concerns or objections to the application, you may object in writing to the Oil Conservation at 1220 S. St. Francis Drive, Santa Fe, NM 87505 within 15 days of receipt of this correspondence.

Should you have any questions regarding this, please do not hesitate to contact Trace Wohlfahrt at the letterhead address.

Respectfully,

Pam Inskeep
BTA Oil Producers LLC

Enc.

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

State of New Mexico
Commissioner of Public Lands
3830 N. Grimes, Suite -C-
Hobbs, NM 88240

2. Article Number

(Transfer from service label)

7010 3090 0001 8426 6841

PS Form 3811, February 2004

Domestic Return Receipt

102595-02-M-1540

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

☐ Agent☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type

- ☒ Certified Mail ☐ Express Mail
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

☐ YesU.S. Postal ServiceTMCERTIFIED MAILTM RECEIPT

(Domestic Mail Only; No Insurance Coverage Provided)

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

OFFICIAL USE

Postage

\$

Certified Fee

Return Receipt Fee
(Endorsement Required)Restricted Delivery Fee
(Endorsement Required)

Total Postage & Fees

\$

Postmark
Here

Sent To

State of New Mexico
Commissioner of Public Lands
3830 N. Grimes, Suite -C-
Hobbs, NM 88240

PS Form 3800, August 2006

See Reverse for Instructions

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Chevron Midcontinent LP
Chevron USA Inc
1400 Smith
Houston, TX 77002
Attn: Sandy Stedman-Daniel

2. Article Number

(Transfer from service label)

7010 3090 0001 8426 6810

PS Form 3811, February 2004

Domestic Return Receipt

102595-02-M-1540

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

☐ Agent☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type

- ☒ Certified Mail ☐ Express Mail
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

☐ YesU.S. Postal ServiceTMCERTIFIED MAILTM RECEIPT

(Domestic Mail Only; No Insurance Coverage Provided)

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

OFFICIAL USE

Postage

\$

Certified Fee

Return Receipt Fee
(Endorsement Required)Restricted Delivery Fee
(Endorsement Required)

Total Postage & Fees

\$

Postmark
Here

Sent To

Chevron Midcontinent LP
Chevron USA Inc
1400 Smith
Houston, TX 77002

PS Form 3800, August 2006

See Reverse for Instructions

SENDER: COMPLETE THIS SECTION

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- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

CML Exploration LLC
P. O. Box 890
Snyder, TX 79550

2. Article Number

(Transfer from service label)

7010 3090 0001 8426 6827

PS Form 3811, February 2004

Domestic Return Receipt

102595-02-M-1540

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

☐ Agent☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type

☒ Certified Mail☐ Express Mail☐ Registered☐ Return Receipt for Merchandise☐ Insured Mail☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

☐ Yes

U.S. Postal Service™

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Postage \$

Certified Fee

Return Receipt Fee
(Endorsement Required)Restricted Delivery Fee
(Endorsement Required)

Total Postage & Fees \$

Postmark
Here

Sent To

CML Exploration LLC

Street, Apt. No.,
or PO Box No.

P.O. Box 890

City, State, ZIP+4

Snyder, TX 79550

PS Form 3800, August 2006

See Reverse for Instructions

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Merit Energy Company LLC
Attn: Lynne Moon, Reg Mgr
13727 Noel Road, Suite 500
Dallas, TX 75204

2. Article Number

(Transfer from service label)

7010 3090 0001 8426 6834

PS Form 3811, February 2004

Domestic Return Receipt

102595-02-M-1540

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

☐ Agent☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type

☒ Certified Mail☐ Express Mail☐ Registered☐ Return Receipt for Merchandise☐ Insured Mail☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

☐ Yes

U.S. Postal Service™

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

OFFICIAL USE

Postage \$

Certified Fee

Return Receipt Fee
(Endorsement Required)Restricted Delivery Fee
(Endorsement Required)

Total Postage & Fees \$

Postmark
Here

Sent To

Merit Energy Company LLC

Street, Apt. No.,
or PO Box No.Attn: Lynne Moon, Reg Mgr
13727 Noel Road, Suite 500

City, State, ZIP+4

Dallas, TX 75204

PS Form 3800, August 2006

See Reverse for Instructions

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Siana Operating LLC
P. O. Box 10303
Midland, TX 79702

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

☐ Agent

☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes

If YES, enter delivery address below: ☐ No

3. Service Type

☒ Certified Mail

☐ Express Mail

☐ Registered

☐ Return Receipt for Merchandise

☐ Insured Mail

☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

☐ Yes

2. Article Number

(Transfer from service label)

7010 3090 0001 8426 6858

PS Form 3811, February 2004

Domestic Return Receipt

102595-02-M-1540

PLACE STICKER AT TOP OF ENVELOPE TO THE RIGHT OF THE RETURN ADDRESS, FOLD AT DOTTED LINE.
CERTIFIED MAILTM



7010 3090 0001 8426 6858
7010 3090 0001 8426 6858

U.S. Postal ServiceTM

CERTIFIED MAILTM RECEIPT

(Domestic Mail Only; No Insurance Coverage Provided)

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

OFFICIAL USE

Postage \$

Certified Fee

Return Receipt Fee
(Endorsement Required)

Restricted Delivery Fee
(Endorsement Required)

Total Postage & Fees \$

Postmark
Here

Sent To

Siana Operating LLC

P. O. Box 10303

Street, Apt. No.,
or PO Box No.

Midland, TX 79702

City, State, ZIP+4

PS Form 3800, August 2006

See Reverse for Instructions

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
March 08, 2014
and ending with the issue dated
March 08, 2014



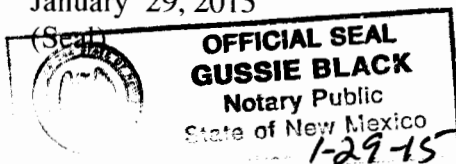
PUBLISHER

Sworn and subscribed to before me
this 10th day of
March, 2014



Notary Public

My commission expires
January 29, 2015



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

LEGAL NOTICE
March 8, 2014

BTA OIL PRODUCERS
LLC, 104 S Pecos, Midland,
Texas 79701, will file form
C-108 (Application for
Authorization to Inject) with
the New Mexico Oil
Conservation Division,
seeking administrative
approval for a salt water
disposal well. The proposed
well, the 8016 JV-P State 2,
#1 is located 660' FSL &
1980' FWL, Section 2,
T23S, R34E, Lea County,
NM. Disposal water will be
sourced from area wells
producing from the Bone
Spring formation. The
disposal water will be
injected into the Delaware
formation at a depth of
5400'-7120', at a maximum
surface pressure of 1080psi,
and an average rate of 4000
BWPD.

All interested parties
opposing the action must file
objections or requests for
hearing with the Oil
Conservation Division, 1220
South St. Francis Drive,
Santa Fe, NM 87505, within
15 days. Additional
information can be obtained
by contacting Trace
Wohlfahrt, Production
Engineer, at 104 S Pecos,
Midland, TX 79701, or
(432) 682-3753.
#28839

5400 to 7120

01101299

00132185

PAM INSKEEP
BTA OIL PRODUCERS
104 SOUTH PECOS
MIDLAND, TX 79701

BTA Oil Producers LLC
Application for Authorization to Inject
8016 JV-P State 2 #1 WIW
660' FSL & 1980' FWL
Section 2, T23S, R34E
Lea County, New Mexico

STATE OF TEXAS

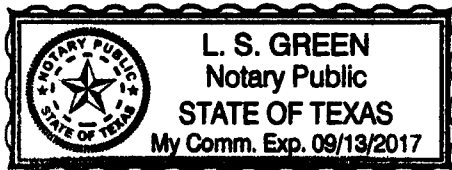
COUNTY OF MIDLAND

BEFORE ME, the undersigned authority on this day personally appeared Pam Inskeep, a Regulatory Administrator with BTA Oil Producers LLC, who being by me duly sworn, deposes and states that the persons listed on the foregoing attached list have been sent a copy on April 15, 2014, of the New Mexico Oil Conservation Division Form C-108 "Application for Authorization to Inject" for the 8016 JV-P State 2 #1, located in Section 2, T23S, R34E, Lea County, New Mexico.

SUBSCRIBED AND SWORN TO before me on this 15th day of April, 2014, to certify which witness my hand and seal of office.



Lou S. Green
Notary Public, State of Texas





CARLTON BEAL, JR.
BARRY BEAL
SPENCER BEAL
KELLY BEAL
BARRY BEAL, JR.
STUART BEAL
ROBERT DAVENPORT, JR.

BTA OIL PRODUCERS, LLC

104 SOUTH PECOS STREET
MIDLAND, TEXAS 79701-5021
432-682-3753
FAX 432-683-0311

GULF COAST DISTRICT

TOTAL PLAZA
1201 LOUISIANA STREET, STE. 570
HOUSTON, TEXAS 77002
713-658-0077 FAX 713-655-0346

ROCKY MOUNTAIN DISTRICT

600 17TH STREET, STE. 2230 SOUTH
DENVER, COLORADO 80202
303-534-4404 FAX 303-534-4661

April 2, 2014

RE: Application for Authorization to Inject
BTA Oil Producers LLC
8016 JV-P State 2 #1 WIW
660' FSL & 1980' FWL
Section 2, T23S, R34E
Lea County, New Mexico

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

Attn: Mr. Phillip Goetze

Dear Mr. Goetze,

BTA Oil Producers LLC hereby seeks approval for Authorization to Inject at the above referenced location. We are proposing to reenter this P&A well and open a Delaware interval. We plan to utilize this well as a commercial disposal.

Enclosed herewith is our Application Packet.

BTA has notified all Offset Operators and the Surface Owner of our intentions by certified mail. We will forward copies of the signed "green card" PS Form 3811 certifications as soon as all are received back.

BTA has also published a Legal Notice in the Hobbs Daily News-Sun. The Affidavit of Publication is attached.

Should further information be required to approve this application, please advise.

Respectfully,

Pam Inskeep
BTA Oil Producers LLC

Enc.

Goetze, Phillip, EMNRD

From: Pam Inskeep <Pinskeep@btaoil.com>
Sent: Monday, July 14, 2014 12:37 PM
To: Goetze, Phillip, EMNRD
Subject: REPLY: C-108 Application for the State 2 8006 JV-P No. 1
Attachments: 20140623154338.pdf; 8016 JV-P State 2 #1 Attach to C108 Item VII amended.pdf

Hi, Mr. Goetze.

In response to your questions below:

- 1) Attached please find one amended Attachment to C-108 Item VII - Item 4 was amended and Item 5 was added. Copy of a water analysis provided by our geological department for our 8705 JV-P Gem #5, 30-025-31271 is attached. This well currently produces from the Delaware, but at the time this sample was taken the well was producing from the Bone Spring.
- 2) Britton McQuien, Petroleum Engineer made the affirmative statement.

Please advise, should there be any additional questions.

Thank you for your time, regarding this application.

Pam
Pam Inskeep

From: Goetze, Phillip, EMNRD [<mailto:Phillip.Goetze@state.nm.us>]
Sent: Monday, July 07, 2014 5:32 PM
To: Pam Inskeep
Subject: C-108 Application for the State 2 8006 JV-P No. 1

RE: State 2 8006 JV-P No. 1; API 30-025-27486

Pam:

Two items regarding the application:

1. The submittal (found as Item 4 of VII Operation Data) notes that this commercial well will be receiving "injection water from area producers that have been drilled, or may be drilled". Since this a commercial well, BTA will have to specify the formations and examples/sources for the water chemistry to be disposed.
2. The submittal (found as XII – the affirmative statement) contains the statement, but who made the affirmation? Please provide the name and position within the corporation provided the affirmation. Please note that this individual be qualified to make the assessment as if the individual were to appear as an expert in a Division hearing.

Please forward via e-mail this information at your convenience. Give me a call/e-mail with any questions regarding this request. PRG

Phillip R. Goetze, P.G.
Engineering and Geological Services Bureau, Oil Conservation Division
1220 South St. Francis Drive, Santa Fe, NM 87505
O: 505.476.3466 F: 505.476.3462

BTA Oil Producers LLC
Application for Authorization to Inject
8016 JV-P State 2 #1 WIW
660' FSL & 1980' FWL
Section 2, T23S, R34E
Lea County, New Mexico

VII Operation Data

1. Proposed average daily injection volume 4000 BWPD
 Proposed maximum daily injection volume 10000 BWPD
2. This will be a closed system.
3. Proposed average daily injection pressure 500 psi
 Proposed maximum daily injection pressure 1080 psi
4. Sources of injection water will be produced water from area producers, including but not limited to:
 BTA's currently permitted 8016 Hudson State #3H which will produce from the Bone Spring.
 Supplementary sources of injection waters will be from future Bone Spring and Wolfcamp producers in the area.
5. Water sample analysis from the 8705 JV-P Gem #5, 30-025-31271, Unit M, Sec. 2, T20S – R33E, Lea County is attached herein.

9



3312 Bankhead Hwy.
Midland, Texas 79701
(915) 689-7232
FAX (915) 689-0130

SAMPLE

Sample Loc. :
Date Sampled : SEPTEMBER 25, 1991
Attention : GERALD PHILLIPS
Analysis No. : 10008-4

MG/L EQ. WT. #MEQ/L

- | | | |
|-----------------------------------------------|----------|--------|
| 1. pH | | 7.000 |
| 2. Specific Gravity 60/60 F. | | 1.092 |
| 3. CaCO ₃ Saturation Index @ 80 F. | +0.753 | |
| | @ 140 F. | +1.633 |

4. Hydrogen Sulfide	0
5. Carbon Dioxide	300
6. Dissolved Oxygen	Not Determined

7.	Calcium	(Ca ⁺⁺)	1,162	/	20.1	=	57.81
8.	Magnesium	(Mg ⁺⁺)	219	/	12.2	=	17.95
9.	Sodium	(Na ⁺)	(Calculated) 51,847	/	23.0	=	2,254.22
10.	Barium	(Ba ⁺⁺)	Not Determined				

11.	Hydroxyl (OH ⁻)	0	/	17.0	=	0.00
12.	Carbonate (CO ₃ ⁼)	0	/	30.0	=	0.00
13.	Bicarbonate (HCO ₃ ⁼)	1,892	/	61.1	=	30.97
14.	Sulfate (SO ₄ ⁼)	970	/	48.8	=	19.88
15.	Chloride (Cl ⁻)	80,833	/	35.5	=	2,276.99
16.	Total Dissolved Solids	136,923				
17.	Total Iron (Fe)	18	/	18.2	=	0.86
18.	Total Hardness As CaCO ₃	3,803				
19.	Resistivity @ 75 F. (Calculated)	0.052	/cm.			

PROBABLE MINERAL COMPOSITION

#mg/L.

COMPOUND EQ. WT. X #meq/L = mg/L.

Ion	Concentration (ME/L)
Na	10000
Ca	1000
Mg	100
Fe	10
C1	1
HCO3	0.1
SO4	0.01
CO3	0.0001

Calculated Calcium Sulfate solubility in this brine is 6,292 mg/L. at 90 F.

Ca (HCO ₃) ₂	81.04	30.97	2,509
CaSO ₄	68.07	19.88	1,353
CaCl ₂	55.50	6.97	387
Mg (HCO ₃) ₂	73.17	0.00	0
MgSO ₄	60.19	0.00	0
MgCl ₂	47.62	17.95	855
NaHCO ₃	84.00	0.00	0
NaSO ₄	71.03	0.00	0
NaCl	58.46	2,252.07	131,656

~~Analysis~~

Remarks and Comments:



C-108 Review Checklist: Received 04/21/14 Add. Request: 07/02/14 07/14/14 Reply Date: 07/15/14 Suspended: — [Ver 13]

PERMIT TYPE: WFX / PMX (SWD) Number: 1492 Permit Date: 07/18/14 Legacy Permits/Orders: —

Well No. 1 Well Name(s): State 2 8006 JV-P

API: 30-0 25-27486 Spud Date: 8/30/81 New or Old: Old UIC Class II Primacy 03/07/1982)

Footages 660 FSL/1980 FWL Lot — or Unit N Sec 2 Tsp 23S Rge 34 E County Lea

General Location: In San Simon Swale ~ 17 SW of Eunice Pool: SWD; Delaware Pool No.: 46100

BLM 100K Map: Jal Operator: BTA Oil Producers LLC OGRID: 260297 Contact: Pam Inskip

COMPLIANCE RULE 5.9: Total Wells: 107 Inactive: 1 Fincl Assur: Yes Compl. Order? No IS 5.9 OK? Yes Date: 07/18/14

WELL FILE REVIEWED ☒ Current Status: P&A; former producer / Atoka / Morrow / BS / strawn

WELL DIAGRAMS: NEW: Proposed ☐ or RE-ENTER: Before Conv. ☒ After Conv. ☒ Logs in Imaging: DLL / MSFL; DI; BHC Sonic

Planned Rehab Work to Well: Drill out shallow plugs; (install new plug); add perms.

Well Construction Details:		Sizes (in) Borehole / Pipe	Setting Depths (ft)	Cement Sx or Cf	Cement Top and Determination Method
Planned <input type="checkbox"/> or Existing <input checked="" type="checkbox"/>	Surface	26/20	0 to 1515	2450	Circulated to Surf.
Planned <input type="checkbox"/> or Existing <input checked="" type="checkbox"/>	Interm/Prod	17 1/2 / 13 7/8	0 to 4851	3000	3460 / Temp. Surface
Planned <input type="checkbox"/> or Existing <input checked="" type="checkbox"/>	Interm/Prod	12 1/4 / 9 5/8	0 to 11700	3600	Circulated to Surf.
Planned <input type="checkbox"/> or Existing <input checked="" type="checkbox"/>	Prod. Liner	12 1/4 / 7 5/8 liner	11387 to	320	Circulated / cal. only
Planned <input type="checkbox"/> or Existing <input checked="" type="checkbox"/>	Liner	8 1/2 / 7 5/8 liner	12550 to 13380	200	Cal. only
Planned <input checked="" type="checkbox"/> or Existing <input type="checkbox"/>	OH / PERF	Lin 9 5/8 casing	* 5400 to 7120 (undercase)	Inj Length 1720	

Injection Stratigraphic Units:	Depths (ft)	Injection or Confining Units	Tops
Adjacent Unit: Litho. Struc. Por.		Plaster / Vicksburg	—
Confining Unit: Litho. Struc. Por.	+50'	Capitan	Atoka
Proposed Inj Interval TOP:	5400	Delaware Gp	5349
Proposed Inj Interval BOTTOM:	7120	Del. Sand / Bell Canyon	71010
Confining Unit: Litho. Struc. Por.	HLET'	Brushy Canyon	7287
Adjacent Unit: Litho. Struc. Por.		Bone Springs	8386

Completion/Operation Details:	
Drilled TD	13380 P&A
NEW TD	7320 NEW P&A
NEW Open Hole	or NEW Perfs
Tubing Size	2 7/8" Inter Coated? Yes
Proposed Packer Depth	5340 ft
Min. Packer Depth	5900 (100-ft limit)
Proposed Max. Surface Press.	1080 psi
Admin. Inj. Press.	1080 (0.2 psi per ft)

AOR: Hydrologic and Geologic Information

POTASH: R-111-P NO Noticed? NA BLM Sec Ord NO WIP NO Noticed? NA SALT/SALADO T: — B: — CLIFF HOUSE NA

FRESH WATER: Aquifer Santa Rosa / Little Ogallala Max Depth 400 HYDRO AFFIRM STATEMENT By Qualified Person ☒

NMOSE Basin: Capitan CAPITAN REEF: thru 0 adj 0 NA No. Wells within 1-Mile Radius? 0 FW Analysis ☐

Disposal Fluid: Formation Source(s) Bone Springs Analysis? Yes On Lease ☐ Operator Only ☐ or Commercial ☒

Disposal Int: Inject Rate (Avg/Max BWPD): 4000/10000 Protectable Waters? No Source: Water Sample System: Closed ☒ or Open ☐

HC Potential: Producing Interval? No Formerly Producing? No Method: Logs — / P&A / Other — 2-Mile Radius Pool Map ☒

AOR Wells: 1/2-M Radius Map? Yes Well List? Yes Total No. Wells Penetrating Interval: 3 Horizontals? 0

Penetrating Wells: No. Active Wells 3 Num Repairs? 0 on which well(s)? — Diagrams? No

Penetrating Wells: No. P&A Wells 0 Num Repairs? 0 on which well(s)? — Diagrams? NA

NOTICE: Newspaper Date 03/08/14 Mineral Owner SLO Surface Owner SLO N. Date 04/14/14

RULE 26.7(A): Identified Tracts? Yes Affected Persons: CML Exploration / Sierra Operating / Chevron Mid / Merit N. Date 04/14/14

Permit Conditions: Issues: * Compl. plan & diagram: 5360' to 8150' vs. Data Sheet & publ notice: 5400' to 7120'

Add Permit Cond: Approved interval: 5400' to 7120'; injection survey; survey every 4th after 1st

State 28006 JV-P

R 33 E

R 34 E

R 35 E

