

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018

SUNDRY NOTICES AND REPORTS ON WELLS
*Do not use this form for proposals to drill or to re-
abandoned well. Use form 3160-3 (APD) for such proposals.*

Carlshad Field Office
DEBORAH MCKINNEY

File No. Serial No.
NMI/NM14492

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2

7. If Unit or CA/Agreement, Name and/or No.

1. Type of Well
 Oil Well Gas Well Other: UNKNOWN OTH

8. Well Name and No.
MESA SWD 8105 JV P 1W ✓

2. Name of Operator
BTA OIL PRODUCERS ✓ Contact: KAYLA MCCONNELL
E-Mail: kmcconnell@btaoil.com

9. API Well No.
30-025-42841-00-X1

3a. Address
104 SOUTH PECOS STREET
MIDLAND, TX 79701

3b. Phone No. (include area code)
Ph: 432.682.3753

10. Field and Pool or Exploratory Area
SWD

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 11 T26S R32E SENW 1800FNL 1900FWL ✓

11. County or Parish, State
LEA COUNTY, NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Change to Original A
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	PD

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

BTA Oil Producers, LLC respectfully request the following changes to the Original APD, as approved:

Approved: SWD;Bell Canyon-Cherry Canyon
Change to: SWD;Siluro-Devonian

Approved: 7000' TVD
Change to: 19000' TVD

Approved: 3M BOP/Choke
Change to: 10M BOP/Choke

*See attached Drilling Program for Casing and Cementing detail.

**SEE ATTACHED FOR
CONDITIONS OF APPROVAL**

14. I hereby certify that the foregoing is true and correct.

**Electronic Submission #371791 verified by the BLM Well Information System
For BTA OIL PRODUCERS, sent to the Hobbs
Committed to AFMSS for processing by DEBORAH MCKINNEY on 04/11/2017 (17DLM0846SE)**

Name (Printed/Typed) KAYLA MCCONNELL

Title PRODUCTION ASSISTANT

Signature (Electronic Submission)

Date 03/31/2017

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By MUSTAFA HAQUE

Title PETROLEUM ENGINEER

Date 05/01/2017

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office Hobbs

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

Kg

Additional data for EC transaction #371791 that would not fit on the form

32. Additional remarks, continued

Other Attachments included:
Approved Amended Injection Permit
Amended Injection Application
10M BOP & Choke Diagrams

DATE IN: 3/6/2017	SUSPENSE	ENGINEER: KAM	LOGGED IN: 3/28/2017	TYPE: SWD	APP NO: PMAM1708753346
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ABOVE THIS LINE FOR DIVISION USE ONLY

8105 JV-P Mesa SWD #1W
API: 3002542841

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 _____

SWD 1531-A
BTA Oil Producer
260297

well
-mes-8105 1
SWP SWD #
30-025-42841

- [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

Pod
-SWD Deviation
66104
97869

[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.

Kayla McConnell
Print or Type Name

Kayla McConnell
Signature

Regulatory Analyst
Title

3/2/2017
Date

kmccconnell@btaoil.com
e-mail Address



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 713-655-0348

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

March 3, 2017

Re: Amended Application for Authorization to Inject
Mesa 8105 JV-P SWD #1W
1800' FNL & 1900' FWL
Section 11, T26S, R32E
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 amend the current permit SWD-1531 to inject into a deeper formation. 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,

Kayla McConnell
BTA Oil Producers, LLC

2017 MAR - 6 10:00 AM
RECEIVED

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL
RESOURCES DEPARTMENT

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

FORM C-108
Revised June 10, 2003

API: 3002542841

APPLICATION FOR AUTHORIZATION TO INJECT

8105 JV-P Mesa SWD #1W

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

II. OPERATOR: BTA Oil Producers, LLC

ADDRESS: 104 S. Pecos, Midland, TX 79701

CONTACT PARTY: Kayla McConnell 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 _____ No
If yes, give the Division order number authorizing the project: _____

V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.

VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.

VII. Attach data on the proposed operation, including:

1. Proposed average and maximum daily rate and volume of fluids to be injected;
2. Whether the system is open or closed;
3. Proposed average and maximum injection pressure;
4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and,
5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).

*VIII. Attach appropriate geologic data on the injection zone including appropriate lithologic detail, geologic name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval.

IX. Describe the proposed stimulation program, if any.

*X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted).

*XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.

XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.

XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.

XIV. Certification: I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.

NAME: Kayla McConnell TITLE: Regulatory Analyst

SIGNATURE: *Kayla McConnell* DATE: 03/02/2017

E-MAIL ADDRESS: kmccconnell@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.

Side 1

INJECTION WELL DATA SHEET

OPERATOR: BTA Oil Producers, LLC

WELL NAME & NUMBER: 8105 JV-P Mesa SWD #1W

WELL LOCATION: 1800' FNL & 1900' FWL, UL F, Sec. 11, T26S, R32E, Lea County, NM

FOOTAGE LOCATION	UNIT LETTER	SECTION	TOWNSHIP	RANGE
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WELBORE SCHEMATIC

WELL CONSTRUCTION DATA

Surface Casing

Hole Size: 17-1/2" Casing Size: 13-3/8"

Cemented with: 635 sx. *or* ft³

Top of Cement: Circ Method Determined:

Intermediate Casing

Hole Size: 12-1/4" Casing Size: 9-5/8"

Cemented with: *1830 sx. *or* ft³

Top of Cement: Circ Method Determined:

*DV Tool @ 4575'

Production Casing

*Liner

Hole Size: 8-3/4" Casing Size: 7"

Cemented with: *850 sx. *or* ft³

Top of Cement: *11,950' Method Determined:

Total Depth: *19,000'

Injection Interval

*Proposed 17,450 feet to 19,000 Open Hole

(Perforated or Open Hole; indicate which)

INJECTION WELL DATA SHEET

Tubing Size: *5-1/2" 0 - 11,900'
*4-1/2" 11,900' - 17,430' Lining Material: Internally plastic coated

Type of Packer: Arrowset A1X

Packer Setting Depth: *17,430'

Other Type of Tubing/Casing Seal (if applicable): _____

Additional Data

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

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

2. Name of the Injection Formation: *Devonian

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

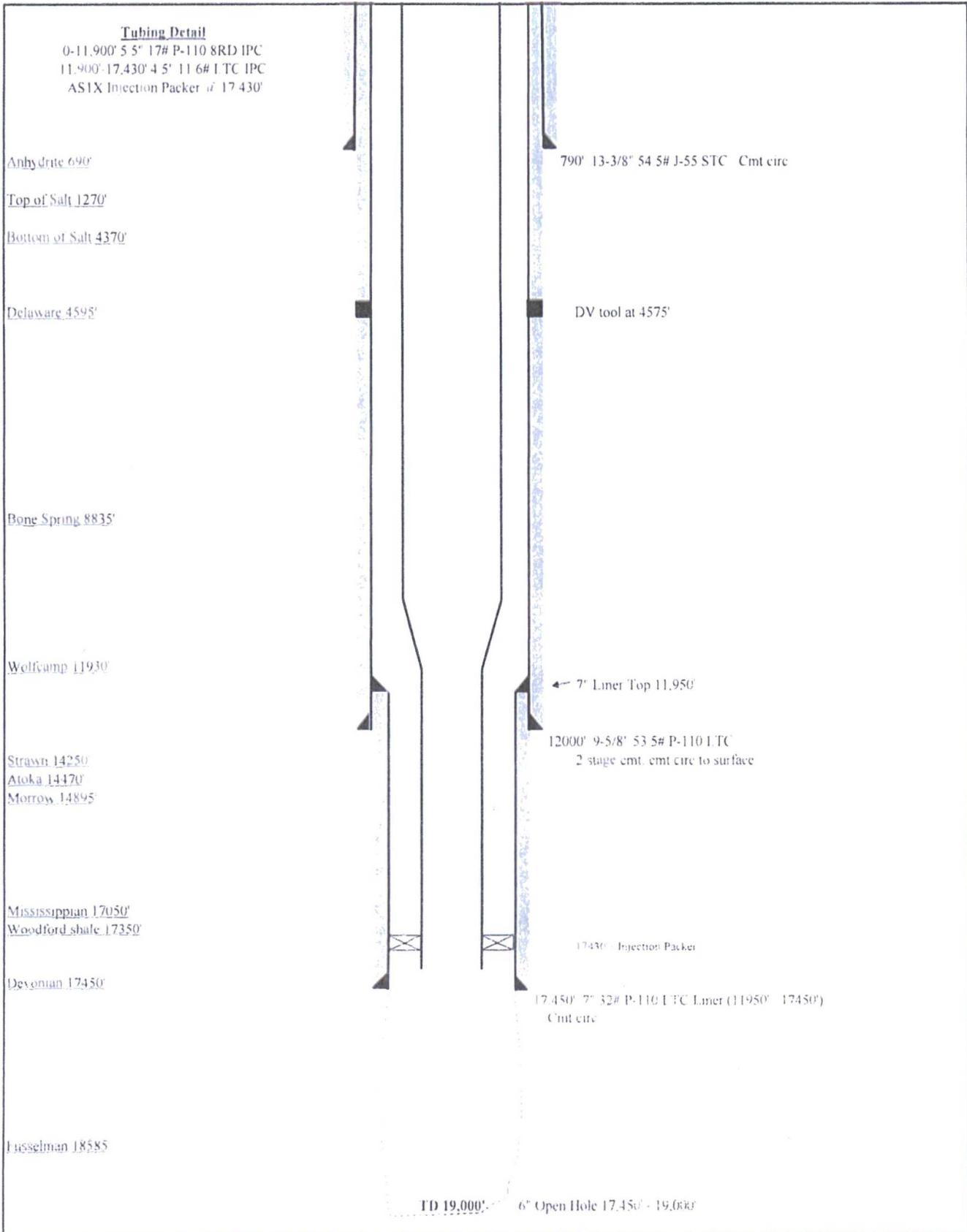
4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. No

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

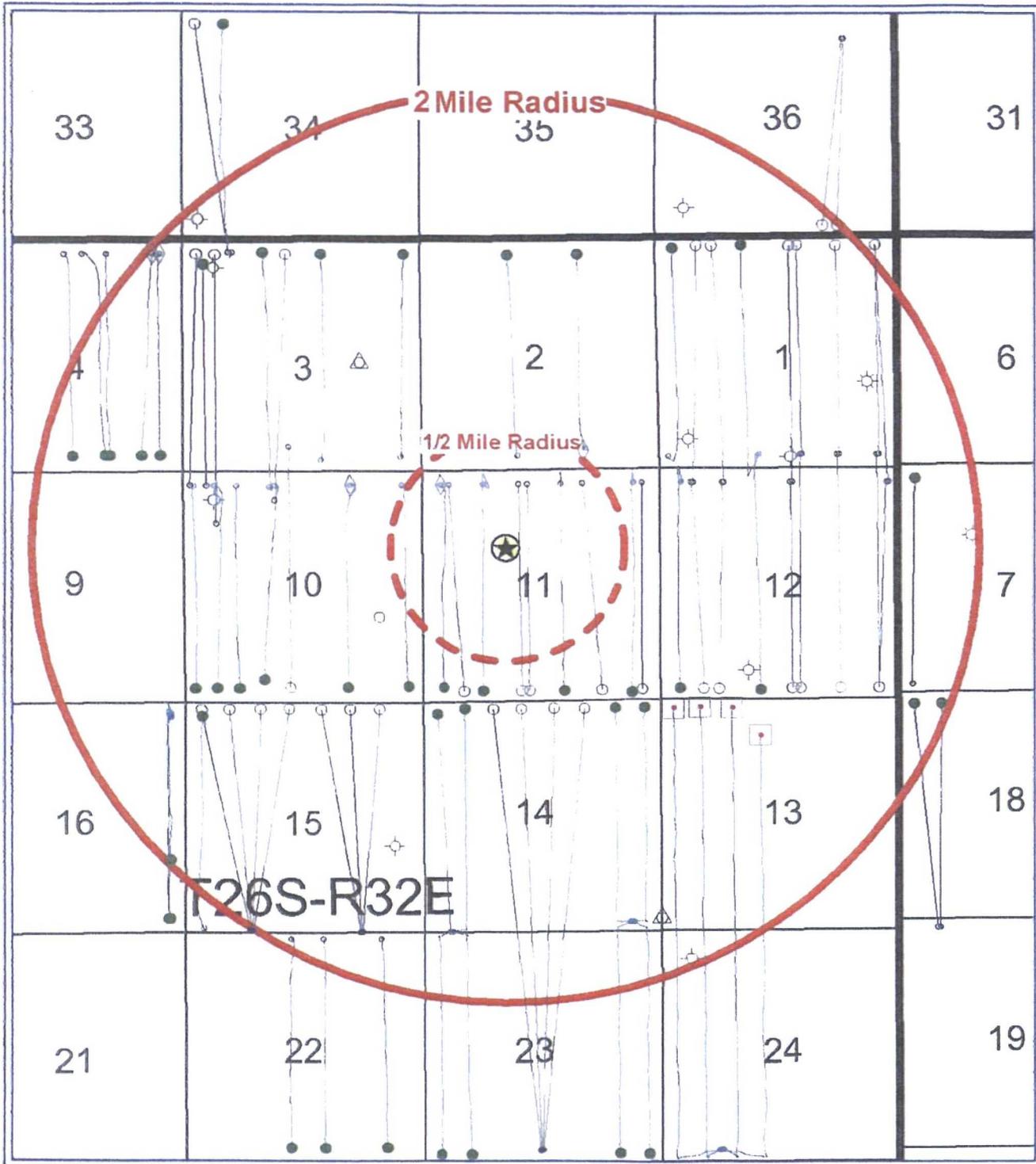
*Delaware 4595'; Brushy Canyon 7244'; Bone Spring 8835'; Wolfcamp 11930'

Strawn 14250'; Atoka 14470'; Morrow 14895'

Proposed



		Proposed Wellbore		Drawn	
		Mesa SWD 8105 JV-P #1		2/21/2017	
		Devonian			
		Sec 11, T26S-R32E		Approved	
		Lea	STATE	NM	
		PRODUCING FORMATION		Date	
				BTA Oil Producers, LLC	



BTA BTA Oil Producers, LLC

MESA SWD 8105 JV-P #1W
 1/2 & 2 Mile Radius Map
 Sec.11,T26S-R32E, 1800'FNL & 1900'FWL
 Lea County, New Mexico

- WELL SYMBOLS**
- ★ Proposed Location
 - Location Only
 - ◻ Drilled, Waiting on Completion
 - Oil Well
 - ☼ Gas Well
 - ⊙ Dry Hole
 - △ Service Well
 - ◇ Pilot Hole

REMARKS

**** SEE ATTACHED TABLE FOR DETAILED WELL DATA INFORMATION ****

Mesa SWD 8105 JV-P #1W Highlighted in Yellow

By JHB

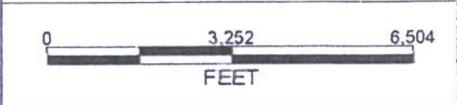


TABLE 1. Mesa SVD 8105 N-P RW 2 Mile Radius Well Data Information

UWI (ARJUNI)	OPERATOR	WELL NAME	WELL #	SEC	TWP	RNG	SURFACE FTG CALLS	SURF LAT	SURF LON	ROT LAT	ROT LON	TD	STATUS
3002527030000	OPERATOR	DOG FEDERAL	1	34	25S	32E	487FSL & 3307FWL	32.0805398	-103.6698419			4.650	DWY
30025082480000	FULFERTON OIL CO	BRADLEY	1	36	25S	32E	660FSL & 6607FWL	32.0814767	-103.6346052			4.953	DWY
30025428910000	EOG RESOURCES INC	GGM 36 STATE COM	703H	36	25S	32E	745FSL & 1141FSL	32.0921168	-103.6230035	32.0903522	-103.6235719		LOC
30025428930000	EOG RESOURCES INC	GGM 36 STATE COM	704H	36	25S	32E	745FSL & 1141FSL	32.0921167	-103.6231004	32.0903648	-103.6246311		LOC
30025127660000	HUMBLE OIL & MFG CO	F. NEWTON	1	1	26S	32E	350FSL & 2390FSL	32.065673	-103.627022			2.027	DWY
30025218610000	WOOD ROBERT I ETAL	RICHARDSON-FEDERAL	1	1	26S	32E	660FSL & 6607FWL	32.0664827	-103.6343802			4.900	DWY
30025276000000	BITA OIL PRODUCERS, LLC	MESA 8105 N-P	1	1	26S	32E	1190FSL & 6607FSL	32.0704184	-103.6214331			16.100	GA5
30025428410000	BITA OIL PRODUCERS, LLC	MESA 8105 N-P	11H	11	26S	32E	310FSL & 2218FSL	32.0758462	-103.6293113	32.0508342	-103.6292623	514.644	OIL
30025428410000	BITA OIL PRODUCERS, LLC	MESA 8105 N-P	12H	12	26S	32E	310FSL & 2218FSL	32.0658367	-103.6293735	32.0509773	-103.6292623	514.644	OIL
30025428410000	BITA OIL PRODUCERS, LLC	MESA 8105 N-P	13H	13	26S	32E	310FSL & 1134FSL	32.0658319	-103.6278132	32.0509421	-103.6278132	13.550	LOC
30025428510000	BITA OIL PRODUCERS, LLC	MESA 8150 N-P	14H	14	26S	32E	310FSL & 4507FSL	32.0658268	-103.6270159	32.0509421	-103.6270159	13.550	LOC
30025428510000	BITA OIL PRODUCERS, LLC	MESA 8150 N-P	16H	16	26S	32E	310FSL & 2218FSL	32.0658418	-103.6293244	32.0790891	-103.6292623	14.848	OIL
30025428510000	BITA OIL PRODUCERS, LLC	MESA 8150 N-P	17H	17	26S	32E	310FSL & 2138FSL	32.0658365	-103.6292084	32.0790937	-103.6292623	15.669	OIL
30025428510000	BITA OIL PRODUCERS, LLC	MESA 8105 N-P	18H	18	26S	32E	310FSL & 1134FSL	32.0658316	-103.6274464	32.0790806	-103.6286429		LOC
30025428510000	BITA OIL PRODUCERS, LLC	MESA 8105 N-P	19H	19	26S	32E	310FSL & 4107FSL	32.0658265	-103.6296206	32.0790806	-103.6286429		LOC
30025412980000	BITA OIL PRODUCERS, LLC	MESA 8105 N-P	3H	3	26S	32E	185FSL & 2057FWL	32.0652794	-103.6354277	32.0793366	-103.6355155	14.861	OIL
30025399470000	EOG Y MEXCS INC	QUODITE BOJ STATE COM	1H	2	26S	32E	480FSL & 1650FSL	32.06627	-103.641827	32.0793607	-103.6424131	13.628	OIL
30025399470000	EOG Y MEXCS INC	QUODITE BOJ STATE COM	2H	2	26S	32E	480FSL & 1650FSL	32.06627	-103.641827	32.0793607	-103.6424131	10.296	PLOT
30025400010000	BLACKROCK OIL CO	ZAPATA BOJ STATE COM	1H	1	26S	32E	330FSL & 2180FSL	32.0776729	-103.6456863	32.079551	-103.6476562	13.660	OIL
30025429090000	COG OPERATING LLC	UNION-FEDERAL	1	3	26S	32E	660FSL & 6607FWL	32.0776689	-103.6487889			6.133	DWY
30025429090000	COG OPERATING LLC	RED HILLS WEST UNIT	15H	3	26S	32E	250FSL & 1400FSL	32.0643754	-103.6582793	32.0510697	-103.6544209		LOC
30025439610000	MEMBOURNE OIL CO	PINTAL 3 FED	1H	3	26S	32E	260FSL & 2290FSL	32.0655564	-103.6611341	32.07864	-103.6611711	14.007	OIL
30025406850000	COG PRODUCTION LLC	JENNINGS SALVANO FEDERAL COM	2H	3	26S	32E	380FSL & 1070FSL	32.0787536	-103.6274622	32.0911595	-103.6607241	17.200	OIL
30025406850000	COG PRODUCTION LLC	JENNINGS SALVANO FEDERAL COM	3H	3	26S	32E	380FSL & 4407FSL	32.0673959	-103.6527211	32.0786822	-103.6548688	14.000	OIL
30025404740000	MEMBOURNE OIL CO	JENNINGS 34 35WD FEDERAL COM	2H	3	26S	32E	300FSL & 907FWL	32.0787534	-103.6617205	32.0931818	-103.6699354		LOC
30025404740000	MEMBOURNE OIL CO	HALLERTAU 4 FEDERAL	3H	4	26S	32E	330FSL & 2180FSL	32.0786434	-103.6779547	32.0855419	-103.6765379	13.948	OIL
30025404750000	MEMBOURNE OIL CO	HALLERTAU 4 FEDERAL	4H	4	26S	32E	330FSL & 6607FSL	32.0786606	-103.6730476	32.0857298	-103.6737861	8.76	PLOT
30025404750100	MEMBOURNE OIL CO	HALLERTAU 4 FEDERAL	4H	4	26S	32E	330FSL & 6607FSL	32.0786606	-103.6730476	32.0857298	-103.6737861	13.444	OIL
30025404760000	MEMBOURNE OIL CO	HALLERTAU 4 FEDERAL	7H	4	26S	32E	330FSL & 1550FSL	32.0786493	-103.6754493	32.0858011	-103.6760146	11.250	OIL
30025404770100	MEMBOURNE OIL CO	HALLERTAU 4 FEDERAL	8H	4	26S	32E	330FSL & 1550FSL	32.0786623	-103.6725633	32.0857235	-103.6725738	13.662	OIL
30025418780000	MEMBOURNE OIL CO	HALLERTAU 4 FEDERAL	9H	4	26S	32E	330FSL & 2370FSL	32.0786888	-103.6792135	32.0857608	-103.6786405	4.590	DWY
30025082510000	MARSH C E II	FED-MAIL	1	10	26S	32E	660FSL & 607FWL	32.0679939	-103.6688136			4.590	DWY
30025413230000	COG OPERATING LLC	RED HILLS WEST UNIT	1	10	26S	32E	1980FSL & 1907FSL	32.055532	-103.6568737				LOC
30025430800000	MEMBOURNE OIL CO	RED HILLS WEST UNIT	015H	10	26S	32E	665FSL & 1985FSL	32.0629879	-103.6645367	32.0786089	-103.6636612		LOC
30025434290000	MEMBOURNE OIL CO	RED HILLS WEST UNIT	017H	10	26S	32E	1200FSL & 1107FWL	32.0615098	-103.6686399	32.0785909	-103.6686402		LOC
30025423800000	MEMBOURNE OIL CO	RED HILLS WEST UNIT	11H	10	26S	32E	330FSL & 2157FWL	32.0658982	-103.6702575	32.0510261	-103.6704211	13.450	OIL
30025424810000	MEMBOURNE OIL CO	RED HILLS WEST UNIT	12H	10	26S	32E	330FSL & 6607FWL	32.0639301	-103.6688212	32.0510416	-103.6685655	13.683	OIL
30025429800000	MEMBOURNE OIL CO	RED HILLS WEST UNIT	13H	10	26S	32E	330FSL & 1507FWL	32.0639445	-103.6704698	32.0785159	-103.6699466		LOC
30025399190000	MEMBOURNE OIL CO	RED HILLS WEST 10 FED	14H	10	26S	32E	330FSL & 1980FSL	32.0639088	-103.6654604	32.0515681	-103.6655745	13.878	OIL
30025404230000	COG PRODUCTION LLC	BUFFERHEAD 10 FEDERAL	14H	10	26S	32E	330FSL & 1650FSL	32.0639186	-103.6590391	32.0510053	-103.6589849	13.990	PLOT
30025404230100	COG PRODUCTION LLC	BUFFERHEAD 10 FEDERAL	24H	10	26S	32E	330FSL & 1650FSL	32.0639253	-103.6556217	32.0511079	-103.6546871	13.660	OIL
30025406840000	MEMBOURNE OIL CO	RED HILLS WEST UNIT 3	4H	10	26S	32E	370FSL & 1840FSL	32.0639799	-103.6650114	32.0787281	-103.6653789	14.761	OIL
30025413800000	MEMBOURNE OIL CO	RED HILLS WEST UNIT	5H	10	26S	32E	330FSL & 5007FWL	32.0638999	-103.6693176	32.0507808	-103.6694979	15.650	OIL
300254248410000	BITA OIL PRODUCERS, LLC	MESA 8105 N-P	1W	10	26S	32E	330FSL & 1150FSL	32.0639068	-103.6672395	32.0510213	-103.6670285	13.609	OIL
30025428510000	BITA OIL PRODUCERS, LLC	MESA 8105 N-P	20H	11	26S	32E	330FSL & 6307FWL	32.0639477	-103.6515269	32.0507739	-103.6505213		LOC
30025428510000	BITA OIL PRODUCERS, LLC	MESA 8105 N-P	21H	11	26S	32E	330FSL & 2398FWL	32.0640031	-103.6459735	32.0608351	-103.6458787		LOC

TABLE 1. Mesa SWD 8105 N-P #1W 2 Mile Radius Well Data Information

UWI (API#)UWI	OPERATOR	WELL NAME	WELL #	SEC	TWP	RNG	SURFACE FTG CALLS	SURF LAT	SURF LONG	BOOT LAT	BOOT LONG	TD	STATUS
30025428570000	BRITA OIL PRODUCERS, LLC	MESA 8105 N-P	2H	11	26S	32E	307FNL & 607FNL	32.0640762	-103.6584116	32.0550748	-103.6583568	14.534	Oil
30025428580000	BRITA OIL PRODUCERS, LLC	MESA 8105 N-P	2H	11	26S	32E	307FNL & 4307FNL	32.0619416	-103.6520254	32.0510416	-103.6521215	14.026	Oil
300254284430000	BRITA OIL PRODUCERS, LLC	MESA 8105 N-P	4H	11	26S	32E	3107FNL & 1197FNL	31.0659172	-103.6461976	31.0508005	-103.6469205	14.355	Oil
300254284840000	BRITA OIL PRODUCERS, LLC	MESA 8105 N-P	5H	11	26S	32E	3107FNL & 2197FNL	32.0659769	-103.6468163	32.0508934	-103.6444315	14.445	Oil
300254284840000	BRITA OIL PRODUCERS, LLC	MESA 8105 N-P	6H	11	26S	32E	3107FNL & 2197FNL	32.0640764	-103.6463593	32.0508624	-103.6443487	14.445	Oil
300254284840000	BRITA OIL PRODUCERS, LLC	MESA 8105 N-P	7H	11	26S	32E	3107FNL & 1720FNL	32.0640824	-103.6420265	32.0508184	-103.6406355	14.445	Oil
300254284840000	BRITA OIL PRODUCERS, LLC	MESA 8105 N-P	8H	11	26S	32E	3107FNL & 407FNL	32.0640824	-103.6377166	32.0509183	-103.6377806	14.445	Oil
300250825350000	HOMESTEAD OIL & GAS, CLIFORD	MESA 8105 N-P	1	12	26S	32E	6607FNL & 19807FNL	32.0510867	-103.6500840	32.0708921	-103.6208317	4.868	Dry
30025429600000	BRITA OIL PRODUCERS, LLC	MESA 8105 N-P	10H	12	26S	32E	3107FNL & 14007FNL	32.0640872	-103.6319561	32.0509297	-103.6322159	14.007	Oil
30025429600000	BRITA OIL PRODUCERS, LLC	MESA 8105 N-P	15H	12	26S	32E	3107FNL & 14007FNL	32.0640921	-103.6341832	32.0509604	-103.6333817	14.007	Oil
30025429600000	BRITA OIL PRODUCERS, LLC	MESA 8105 N-P	23H	12	26S	32E	3107FNL & 2107FNL	32.0640786	-103.6370235	32.0509584	-103.6365924	14.007	Oil
30025429510000	BRITA OIL PRODUCERS, LLC	MESA 8105 N-P	24H	12	26S	32E	3107FNL & 2507FNL	32.0640786	-103.6320111	32.0509577	-103.6370962	14.007	Oil
30025429510000	BRITA OIL PRODUCERS, LLC	MESA 8105 N-P	25H	12	26S	32E	3107FNL & 7507FNL	32.0640908	-103.6340541	32.0709083	-103.637394	14.007	Oil
30025429640000	BRITA OIL PRODUCERS, LLC	MESA 8105 N-P	27H	12	26S	32E	3107FNL & 23507FNL	32.0640784	-103.6268944	32.0709055	-103.6270929	14.007	Oil
30025429650000	BRITA OIL PRODUCERS, LLC	MESA 8105 N-P	28H	12	26S	32E	3107FNL & 107FNL	32.0640661	-103.6199888	32.0708982	-103.6208317	14.007	Oil
30025430700000	BRITA OIL PRODUCERS, LLC	MESA 8105 N-P	9H	12	26S	32E	3107FNL & 4707FNL	32.0640923	-103.6349572	32.0509723	-103.6350856	14.007	Oil
30025428030000	CHEVRON U.S.A. INC.	SALADO DRAW SWD 13	1	13	26S	32E	2807FNL & 3107FNL	32.0461921	-103.6364421	32.0509748	-103.6376322	16.675	Oil
30025428030000	CHEVRON U.S.A. INC.	SD WE 14 FED P5	1H	13	26S	32E	107FNL & 6217FNL	32.0354689	-103.6518458	32.0493657	-103.6526363	13.887	Oil
30025428030000	CHEVRON U.S.A. INC.	SD WE 14 FED P5	1H	14	26S	32E	107FNL & 6647FNL	32.0354689	-103.6515851	32.0472174	-103.6525024	13.887	Oil
30025428010000	CHEVRON U.S.A. INC.	SD WE 14 FED P5	2H	14	26S	32E	107FNL & 6737FNL	32.0354701	-103.6515484	32.0496481	-103.6505147	13.917	Oil
30025428010000	CHEVRON U.S.A. INC.	SD WE 14 FED P5	2H	14	26S	32E	107FNL & 6987FNL	32.0354705	-103.6514031	32.0712089	-103.6501986	13.903	Oil
30025430800000	CHEVRON U.S.A. INC.	SD WE 14 FED P7	3H	14	26S	32E	2157FNL & 14467FNL	32.0381012	-103.6387666	32.0712932	-103.6397584	14.043	Oil
30025430800000	CHEVRON U.S.A. INC.	SD WE 14 FED P7	3H	14	26S	32E	2157FNL & 6487FNL	32.0381016	-103.6385659	32.0492786	-103.6376632	13.916	Oil
30025430800000	CHEVRON U.S.A. INC.	SD WE 23 FED P7	4H	14	26S	32E	2157FNL & 6237FNL	32.0381025	-103.6384883	32.0712788	-103.6376662	14.007	Oil
30025082560000	BROWN TOM-KRUG WALTER	BRH-FEDNL	1	15	26S	32E	20047FNL & 6667FNL	32.0496954	-103.6585803	32.0496661	-103.6677813	4.849	Dry
30025435950000	CHEVRON U.S.A. INC.	SD WE 13 FEDERAL P12	003H	15	26S	32E	577FNL & 14107FNL	32.0356281	-103.6663783	32.0496567	-103.6671813	14.007	Oil
30025435950000	CHEVRON U.S.A. INC.	SD WE 13 FEDERAL P12	003H	15	26S	32E	577FNL & 14357FNL	32.0356281	-103.6663976	32.0496507	-103.6656133	14.007	Oil
30025435950000	CHEVRON U.S.A. INC.	SD WE 13 FEDERAL P9	005H	15	26S	32E	127FNL & 1417FNL	32.0342766	-103.6583232	32.0496447	-103.6596675	14.007	Oil
30025435950000	CHEVRON U.S.A. INC.	SD WE 13 FEDERAL P9	006H	15	26S	32E	127FNL & 14467FNL	32.0342766	-103.6582413	32.0496482	-103.6584987	14.007	Oil
30025435950000	CHEVRON U.S.A. INC.	SD WE 13 FEDERAL P9	007H	15	26S	32E	127FNL & 14217FNL	32.0342766	-103.6585386	32.0492231	-103.6609726	13.940	Oil
30025435950000	CHEVRON U.S.A. INC.	SD WE 13 FEDERAL P12	1H	15	26S	32E	1007FNL & 4007FNL	32.0356288	-103.6656365	32.0496414	-103.6609742	14.007	Oil
30025435950000	CHEVRON U.S.A. INC.	SD WE 13 FEDERAL P12	1H	15	26S	32E	527FNL & 13857FNL	32.0356288	-103.6656365	32.0496414	-103.6609742	14.007	Oil
30025417000000	CONOCOPhillips CO	RED HILLS WEST 16 STATE W2	10H	16	26S	32E	2837FNL & 3307FNL	32.0356276	-103.6662127	32.0496532	-103.6653221	17.244	Oil
30025417000000	CONOCOPhillips CO	RED HILLS WEST 16 STATE W1	11H	16	26S	32E	3167FNL & 3307FNL	32.0492649	-103.6719074	32.0383347	-103.6719466	15.707	Oil
30025417000000	CONOCOPhillips CO	RED HILLS WEST 16 STATE W1	12H	16	26S	32E	3497FNL & 3307FNL	32.0492649	-103.6719074	32.0383351	-103.6720413	15.707	Oil
30025417060000	CONOCOPhillips CO	RED HILLS WEST 16 STATE W1	9H	16	26S	32E	2597FNL & 3307FNL	32.0494463	-103.6719063	32.0400573	-103.6720139	15.333	Oil
30025417090000	CONOCOPhillips CO	RED HILLS WEST 22 CN FEDERAL WA	1H	22	26S	32E	1507FNL & 23107FNL	32.0350451	-103.6634074	32.0218666	-103.6658743	13.915	Oil
30025406600000	MEMOROUND OIL CO	RED HILLS WEST 22 CN FEDERAL COM	1H	22	26S	32E	1507FNL & 3907FNL	32.0350275	-103.6668519	32.0218176	-103.6654282	13.998	Oil
30025413100000	MEMOROUND OIL CO	RED HILLS WEST 22 CN FEDERAL COM	1H	22	26S	32E	1507FNL & 21107FNL	32.0350288	-103.6661112	32.0218549	-103.6609866	13.960	Oil
30025434860000	CHEVRON USA INC	SD WE 23 FED P25	001H	23	26S	32E	2607FNL & 26037FNL	32.0214581	-103.6653211	32.0496581	-103.664871	14.007	Oil
30025434860000	CHEVRON USA INC	SD WE 23 FED P25	002H	23	26S	32E	2607FNL & 26287FNL	32.0214588	-103.6652211	32.0496504	-103.6648701	14.007	Oil
30025434860000	CHEVRON USA INC	SD WE 23 FED P25	3H	23	26S	32E	2607FNL & 26287FNL	32.0214588	-103.6651653	32.0496504	-103.6648701	14.007	Oil
30025434860000	CHEVRON USA INC	SD WE 23 FED P25	4H	23	26S	32E	2607FNL & 26287FNL	32.0214588	-103.665082	32.0496583	-103.6641919	14.007	Oil
30025434860000	CHEVRON USA INC	SD WE 23 FED P25	4H	23	26S	32E	2607FNL & 26287FNL	32.0214588	-103.665082	32.0496583	-103.6641919	14.007	Oil
30025434860000	CHEVRON USA INC	SD WE 23 FED P25	4H	23	26S	32E	2607FNL & 26287FNL	32.0214588	-103.665082	32.0496583	-103.6641919	14.007	Oil
30025434860000	CHEVRON USA INC	SD WE 23 FED P25	4H	23	26S	32E	2607FNL & 26287FNL	32.0214588	-103.665082	32.0496583	-103.6641919	14.007	Oil
30025434860000	CHEVRON USA INC	SD WE 23 FED P25	4H	23	26S	32E	2607FNL & 26287FNL	32.0214588	-103.665082	32.0496583	-103.6641919	14.007	Oil
30025434860000	CHEVRON USA INC	SD WE 23 FED P25	4H	23	26S	32E	2607FNL & 26287FNL	32.0214588	-103.665082	32.0496583	-103.6641919	14.007	Oil
30025434860000	CHEVRON USA INC	SD WE 23 FED P25	4H	23	26S	32E	2607FNL & 26287FNL	32.0214588	-103.665082	32.0496583	-103.6641919	14.007	Oil
30025434860000	CHEVRON USA INC	SD WE 23 FED P25	4H	23	26S	32E	2607FNL & 26287FNL	32.0214588	-103.665082	32.0496583	-103.6641919	14.007	Oil
30025434860000	CHEVRON USA INC	SD WE 23 FED P25	4H	23	26S	32E	2607FNL & 26287FNL	32.0214588	-103.665082	32.0496583	-103.6641919	14.007	Oil
30025434860000	CHEVRON USA INC	SD WE 23 FED P25	4H	23	26S	32E	2607FNL & 26287FNL	32.0214588	-103.665082	32.0496583	-103.6641919	14.007	Oil
30025434860000	CHEVRON USA INC	SD WE 23 FED P25	4H	23	26S	32E	2607FNL & 26287FNL	32.0214588	-103.665082	32.0496583	-103.6641919	14.007	Oil
30025434860000	CHEVRON USA INC	SD WE 23 FED P25	4H	23	26S	32E	2607FNL & 26287FNL	32.0214588	-103.665082	32.0496583	-103.6641919	14.007	Oil
30025434860000	CHEVRON USA INC	SD WE 23 FED P25	4H	23	26S	32E	2607FNL & 26287FNL	32.0214588	-103.665082	32.0496583	-103.6641919	14.007	Oil
30025434860000	CHEVRON USA INC	SD WE 23 FED P25	4H	23	26S	32E	2607FNL & 26287FNL	32.0214588	-103.665082	32.0496583	-103.6641919	14.007	Oil
30025434860000	CHEVRON USA INC	SD WE 23 FED P25	4H	23	26S	32E	2607FNL & 26287FNL	32.0214588	-103.665082	32.0496583	-103.6641919	14.007	Oil
30025434860000	CHEVRON USA INC	SD WE 23 FED P25	4H	23	26S	32E	2607FNL & 26287FNL	32.0214588	-103.665082	32.0496583	-103.6641919	14.007	Oil
30025434860000	CHEVRON USA INC	SD WE 23 FED P25	4H	23	26S	32E	2607FNL & 26287FNL	32.0214588	-103.665082	32.0496583	-103.6641919	14.007	Oil
30025434860000	CHEVRON USA INC	SD WE 23 FED P25	4H	23	26S	32E	2607FNL & 26287FNL	32.0214588	-103.665082	32.0496583	-103.6641919	14.007	Oil
30025434860000	CHEVRON USA INC	SD WE 23 FED P25	4H	23	26S	32E	2607FNL & 26287FNL	32.0214588	-103.665082	32.0496583	-103.6641919	14.007	Oil
30025434860000	CHEVRON USA INC	SD WE 23 FED P25	4H	23	26S	32E	2607FNL & 26287FNL	32.0214588	-103.665082				

1/2 Mile Radius Well Data

UWI (APINUM)	OPERATOR	WELL NAME	WELL #	SEC	TWP	RNG	SURFACE FTG CALLS	SURF LAT	SURF LONG	BOT LAT	BOT LONG	TD	STATUS
30025400010000	EOG Y RESCS INC	ZAPATA BQZ STATE COM	1H	2	26S	32E	330'FSL & 2180'FWL	32.06581	-103.6466863	32.078551	-103.6474562	13,660'	OIL
30025428410000	BTA OIL PRODUCERS, LLC	MESA SWD 8105 JV-P	1W	11	26S	32E	1800'FNL & 1900'FWL	32.05995	-103.6475644				REC-LOC
30025428550000	BTA OIL PRODUCERS, LLC	MESA 8105 JV-P	20H	11	26S	32E	330'FNL & 630'FWL	32.06395	-103.6516799	32.0507919	-103.6505213		LOC
30025428560000	BTA OIL PRODUCERS, LLC	MESA 8105 JV-P	21H	11	26S	32E	330'FNL & 2398'FWL	32.064	-103.6459735	32.0508391	-103.6458767		LOC
30025412890300	BTA OIL PRODUCERS, LLC	MESA 8105 JV-P	2H	11	26S	32E	330'FNL & 430'FWL	32.06394	-103.6523254	32.0510416	-103.6521215	14,026'	OIL
30025428420000	BTA OIL PRODUCERS, LLC	MESA 8105 JV-P	4H	11	26S	32E	330'FNL & 1399'FWL	32.06397	-103.6491978	32.050805	-103.649205	14,355'	OIL
30025428430000	BTA OIL PRODUCERS, LLC	MESA 8105 JV-P	5H	11	26S	32E	330'FNL & 2198'FWL	32.064	-103.646619	32.0508334	-103.6464315		LOC
30025428440000	BTA OIL PRODUCERS, LLC	MESA 8105 JV-P	6H	11	26S	32E	330'FNL & 2198'FEL	32.06403	-103.6435693	32.0508624	-103.643487	14,445'	OIL
30025428450000	BTA OIL PRODUCERS, LLC	MESA 8105 JV-P	7H	11	26S	32E	330'FNL & 1720'FEL	32.06404	-103.6420265	32.0508841	-103.6406355		LOC

1/2 Mile Radius AOR Well Data

Well Name	Operator	Location	Type of Well	Spud Date	Comp Date	TD PBDT	Comp Interval	Producing Formation	Casing Program			
									Casing	Depth	Amt Cmt	Circ
8105 JV-P Mesa SWD #1W	BTA Oil Producers, LLC	1800' FNL & 1900' FWL 11-T26S-R32E	DISP	New (Not drilled)	New (Not drilled)	19000' TVD Proposed	(Disp.) 17450'-19000' Proposed	(Disp.) Devonian	13-3/8" 790' 9-5/8" 1200' 7" 6" 17450' proposed 19000' proposed	635 1630 850 Open Hole proposed	Circ Circ Circ proposed	
Zapata BQZ State Com #2	Yates Petroleum Corp	330' FSL & 2180' FWL 2-T26S-R32E	OIL	6/8/2011	12/2/2011	13660'	9370'-13,555'	Bone Spring	26" 40' 13-3/8" 765' 9-5/8" 4785' 5-1/2" 13660'	Conduction 610 1561 1790	Circ Circ	
Mesa 8105 JV-P #2H	BTA Oil Producers, LLC	330' FNL & 430' FWL 11-T26S-R32E	OIL	9/27/2014	5/10/2015	14026' MD 9650' TVD	12,482' - 13,988'	Jennings; Upper Bone Spring	13-3/8" 924' 9-5/8" 4532' 5-1/2" 14008'	770 1400 1950	Circ Circ 3550'	
Mesa 8105 JV-P #4H	BTA Oil Producers, LLC	330' FNL & 1399' FWL 11-T26S-R32E	OIL	10/20/2014	2/10/2015	14355' MD 9620' TVD	8704' - 13755'	Jennings; Upper Bone Spring	13-3/8" 801' 9-5/8" 4570' 5-1/2" 14335'	770 1460 1745	Circ Circ 700'	
Mesa 8105 JV-P #5H	BTA Oil Producers, LLC	330' FNL & 2198' FWL 11-T26S-R32E	LOC	New (Not drilled)	New (Not drilled)	14104' MD 9520' TVD Proposed	New (Not drilled)	Jennings; Upper Bone Spring	13-3/8" 790' 9-5/8" 4600' 5-1/2" 14104' proposed proposed	770 1200 1950 proposed	Circ Circ proposed	
Mesa 8105 JV-P #6H	BTA Oil Producers, LLC	330' FNL & 2198' FEL 11-T26S-R32E	OIL	12/12/2015	8/6/2016	14445' MD 9600' TVD	9061' - 14445'	Jennings; Upper Bone Spring	13-3/8" 750' 9-5/8" 4500' 5-1/2" 14445'	840 1570 1745	Circ Circ Circ	
Mesa 8105 JV-P #7H	BTA Oil Producers, LLC	330' FNL & 1720' FEL 11-T26S-R32E	LOC	New (Not drilled)	New (Not drilled)	14120' MD 9520' TVD Proposed	New (Not drilled)	Jennings; Upper Bone Spring	13-3/8" 790' 9-5/8" 4610' 5-1/2" 14121' proposed proposed	770 1200 1950 proposed	Circ Circ proposed	
Mesa 8105 JV-P #20H	BTA Oil Producers, LLC	330' FNL & 630' FWL 11-T26S-R32E	LOC	New (Not drilled)	New (Not drilled)	16230' MD 11635' TVD Proposed	New (Not drilled)	Jennings; Upper Bone Spring	13-3/8" 820' 9-5/8" 4533' 5-1/2" 16230' proposed proposed	770 1200 1950 proposed	Circ Circ proposed	
Mesa 8105 JV-P #21H	BTA Oil Producers, LLC	330' FNL & 2398' FWL 11-T26S-R32E	LOC	New (Not drilled)	New (Not drilled)	16219' MD 11635' TVD Proposed	New (Not drilled)	Jennings; Upper Bone Spring	13-3/8" 790' 9-5/8" 4587' 5-1/2" 16219' proposed proposed	770 1200 1950 proposed	Circ Circ proposed	

Submit 1 Copy To Appropriate District Office
 District I
 1625 N. French Dr., Hobbs, NM 88240
 District II
 1301 W Grand Ave., Artesia, NM 88210
 District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 District IV
 1220 S. St Francis Dr., Santa Fe, NM 87505

State of New Mexico
 Energy, Minerals and Natural Resources
HOBBS OIL CONSERVATION DIVISION
 1220 South St. Francis Dr.
 Santa Fe, NM 87505

Form C-103
 October 13, 2009

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"/>		WELL API NO. 30-025-40001
2. Name of Operator Yates Petroleum Corporation		5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
3. Address of Operator 105 South Fourth Street, Artesia, NM 88210		6. State Oil & Gas Lease No. VB-853
4. Well Location Surface N : 330 feet from the South line and 2180 feet from the West line BHL C : 330 feet from the North Line and 1980 feet from the West line Section 2 Township 26S Range 32E NMPM Lea County		7. Lease Name or Unit Agreement Name Zapata BQZ State Com
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3256'GR		8. Well Number LH
		9. OGRID Number 025575
		10. Pool name or Wildcat Wildcat; Bone Spring

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

NOTICE OF INTENTION TO: PERFORM REMEDIAL WORK <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/> PULL OR ALTER CASING <input type="checkbox"/> MULTIPLE COMPL <input type="checkbox"/> DOWNHOLE COMMINGLE <input type="checkbox"/>		SUBSEQUENT REPORT OF: REMEDIAL WORK <input type="checkbox"/> ALTERING CASING <input type="checkbox"/> COMMENCE DRILLING OPNS. <input type="checkbox"/> P AND A <input type="checkbox"/> CASING/CEMENT JOB <input type="checkbox"/>	
OTHER: <input type="checkbox"/>		OTHER: Production casing <input checked="" type="checkbox"/>	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

6/23/11 - Drilled to 8658' KOP and continued to drill directionally.
 6/27/11 - Drilled to 9255' and reduced hole to 8-1/2".
 7/13/11 - TD 8-1/2" hole to 13,660'.
 7/15/11 - Set 5-1/2" 20# L-80 LT&C casing at 13,660'. DV tool/stage tool at 7321'. Float collar at 13,567'. Cemented stage 1 with 200 sx 35:65:6 Poz "H" +6% D020 + 3#/sx D042 + 5% D044 + 0.2% D046 + 1% D112 + 0.125#/sx D130 + 0.125#/sx D130 + 28#/sx D132 + 0.03g/sx D177 + 61#/sx D909 (yld 2.09, wt 12.6). Tailed in with 940 sx Class "C" + 0.2% D046 + 75#/sx D049 + 0.5% D079 + 0.5% D112 + 22.5#/sx D151 + 1.5% D174 + 0.3g/sx D177 + 0.9% D800 (yld 1.83, wt 13). Circulated DV tool at 7321' (full returns). Did not circulate any cement to pit. Cemented stage 2 with 550 sx 35:65:6 Poz "C" + 6% D020 + 2#/sx D042 + 5% D044 + 0.2% D046 + 1% D112 + 0.125#/sx D130 + 28#/sx D132 + 0.2% D201 + 61#/sx D903 (yld 2.08, wt 12.6). Tailed in with 100 sx Class "C" + 0.2% D201 (yld 1.33, wt 14.8). Closed DV tool. ND BOP. Tested to 5000 psi, Ok.

Spud Date: 1/31/11 Rig Release Date: 7/17/11

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

SIGNATURE *Tina Huerta* TITLE Regulatory Compliance Supervisor DATE July 28, 2011

Type or print name Tina Huerta E-mail address: tinah@yatespetroleum.com PHONE: 575-748-4168

APPROVED BY: *[Signature]* TITLE PETROLEUM ENGINEER DATE AUG 01 2011

P. O. BOX 1488
MCNAHANE, TEXAS 79728
PH. 943-3234 OR 663-1040

Martin Water Laboratories, Inc.

709 W. INDIANA
MIDLAND, TEXAS 79701
PHONE 688-4321

RESULT OF WATER ANALYSES

LABORATORY NO. 89713
 TO: Mr. Tom Williams SAMPLE RECEIVED 8-5-97
10 1/2 South Pecos, Midland, TX 79701-3099 RESULTS REPORTED 8-6-97
 COMPANY BTA Oil Producers LEASE Mesa #1 8105
 FIELD OR POOL _____
 SECTION 1 BLOCK 3 SURVEY 2658K-32 COUNTY Lea STATE NM
 SOURCE OF SAMPLE AND DATE TAKEN _____
 NO. 1 Produced water - taken from Mesa #1
 NO. 2 _____
 NO. 3 _____
 NO. 4 _____

REMARKS: Wolfcamp

CHEMICAL AND PHYSICAL PROPERTIES				
	NO. 1	NO. 2	NO. 3	NO. 4
Specific Gravity at 60° F	1.0156			
pH When Sampled				
pH When Received	7.28			
Bicarbonate as HCO ₃	390			
Supersaturation as CaCO ₃				
Undersaturation as CaCO ₃				
Total Hardness as CaCO ₃	720			
Calcium as Ca	232			
Magnesium as Mg	34			
Sodium and/or Potassium	7.683			
Sulfate as SO ₄	48			
Chloride as Cl	11.786			
Iron as Fe	971			
Barium as Ba	0			
Turbidity, Electric				
Color as Pt				
Total Solids, Calculated	19.974			
Temperature, °F				
Carbon Dioxide, Calculated				
Dissolved Oxygen				
Hydrogen Sulfide	11.0			
Acidity, unfiltered at 77° F	0.400			
Suspended Oil				
Filterable Solids as mg/l				
Volume Filtered, ml				

Results Reported As Milligrams Per Liter

Additional Determinations And Remarks: In comparing this water with our nearest cataloged records some 5 miles to the northeast, we find this water has ratios of salts decidedly similar to what would be expected from a natural Wolfcamp. However, the levels of the salts are approximately one-third those that would be expected from a natural Wolfcamp, therefore strongly indicating a significant dilution influence exists; but there can be some slight amount of Wolfcamp water involved.

Waylan C. Martin

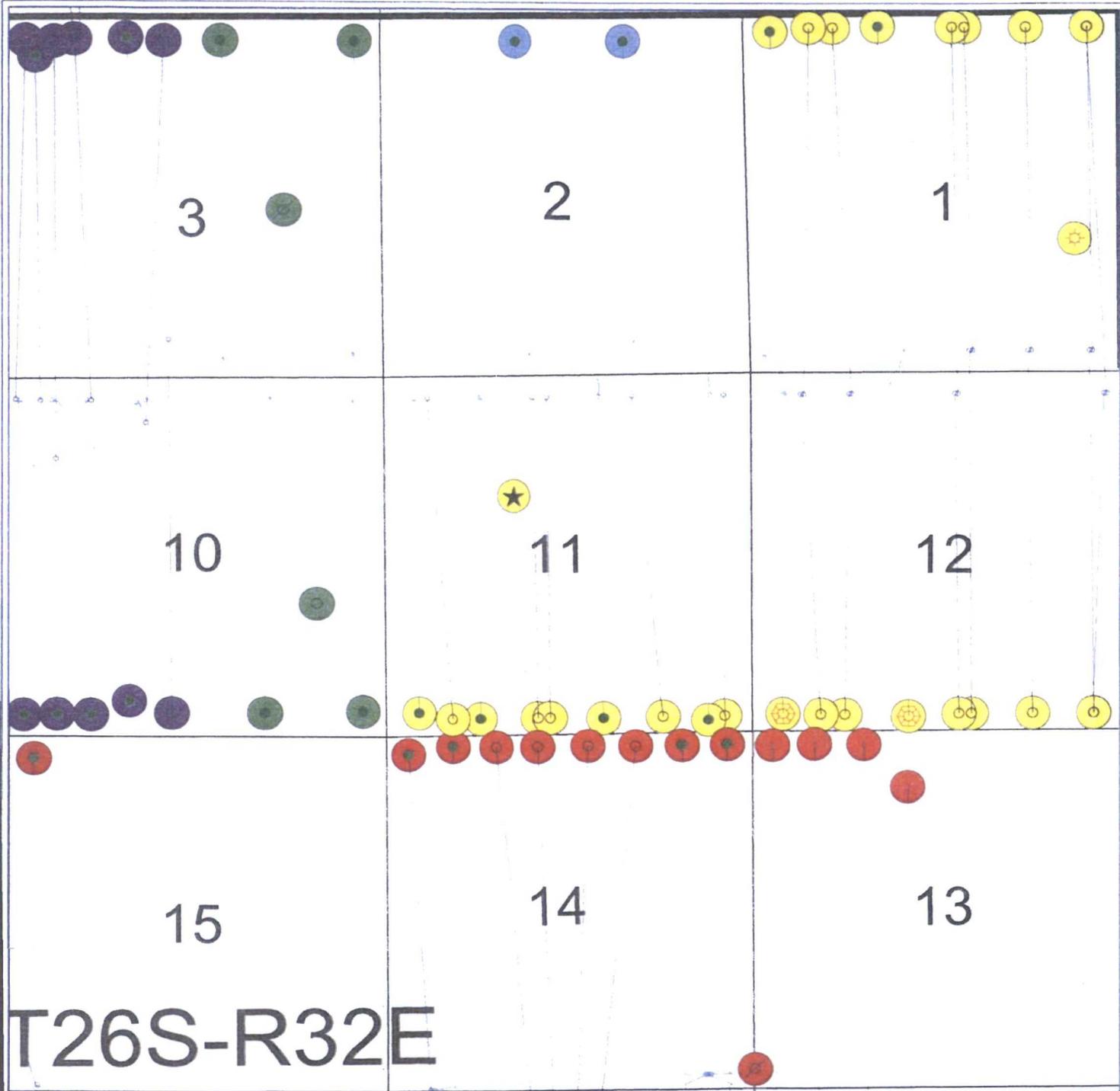
8105 JV-P Mesa SWD #1W
Associated with C-108

WATER SAMPLE REPRESENTATIVE OF WATER BEING INJECTED INTO THE PROPOSED SWD WELL												
Water is very similar to that of the receiving formation, therefore no compatibility problems are expected.												
Avalon												
Lab Test #	Lease	Location	Salesman	Date Out	Sample Date	Specific Gravity	Ionic Strength	TDS	pH	conductivity	Ca (mg/L)	Mg (mg/L)
2012105497	Gunner	8 Fed 8H		3/12/2012	12/17/2011	1.09	2.20	132205.83	5.90		11390.50	2098.17

TH (CaCO3)	Na (mg/L)	K (mg/L)	Zn (mg/L)	Fe (mg/L)	Ba (mg/L)	Sr (mg/L)	Mn (mg/L)	Resistivity	HCO3 (mg/L)	CO3 (mg/L)	OH (mg/L)	SO4 (mg/L)	Cl (mg/L)	CO2 (mg/L)	H2S (mg/L)	
37551.69	48017.49	593.89	96.83	39.25	0.00	378.06	2.66		439.00	0.00		1050.00	68100.00	600.00	0.00	

Bone Spring Produced Water

1/2



BTA Oil Producers, LLC

8105 JV-P Mesa SWD #1W

Active Operator Map
 Sec 11, T26S-R32E
 Lea County, New Mexico

ATTRIBUTE MAP

- Operator Name Contains "BTA"
- Operator Name Contains "CHEVRON"
- Operator Name Contains "COG"
- Operator Name Contains "EOG"
- Operator Name Contains "MEWBOURNE"

WELL SYMBOLS

- ★ Proposed Location
- Location Only
- Drilled, Waiting on Completion
- ◐ Completing/Completed
- Oil Well
- Gas Well
- ⊗ Injection Well

REMARKS

Only Active Locations Shown on Map

By JHB

0 2,000 4,000
 FEET

February 16, 2017

BTA Oil Producers, LLC
Application for Authorization to Inject
Mesa 8105 JV-P SWD #1W
1800' FNL & 1900' FWL
Section 11, T26S, R32E
Lea County, New Mexico

Attachment to C-108

VII Operation Data

1. Proposed average Daily Injection volume 30,000 BWPD
 Proposed Maximum daily injection volume 60,000 BWPD
2. This will be a closed system.
3. Proposed average daily injection pressure 2500 psi
 Proposed maximum daily injection pressure 3490 psi
4. Sources of injection water will be produced water from area that have been
 and will be drilled. These will be compatible with waters in disposal zones.

BTA Oil Producers, LLC
Application for Authorization to Inject
Mesa 8105 JV-P SWD #1W
1800' FNL & 1900' FWL
Section 11, T26S, R32E
Lea County, New Mexico

Attachment to C-108

VII Item 5

Disposal Zone Formation Water

Injection into the Mesa 8105 JV-P SWD #1W API will be for disposal of produced water from other wells. The zone identified for disposal is not productive of oil and gas at this location.

BTA Oil Producers, LLC
Application for Authorization to Inject
Mesa 8105 JV-P SWD #1W
1800' FNL & 1900' FWL
Section 11, T26S, R32E
Lea County, New Mexico

Attachment to C-108

VIII Geologic Data

Mesa 8105 JV-P SWD #1W Geological Discussion Regarding Proposed Disposal Interval.

A. Disposal Zone

The proposed disposal interval for this wellbore is the Devonian formation. The Devonian formation was deposited a shallow water platform carbonate formation achieving thicknesses >1000 ft in this area. Oil and gas reservoirs occur where porosity is trapped on a closure.

B. Fresh Water Sources:

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

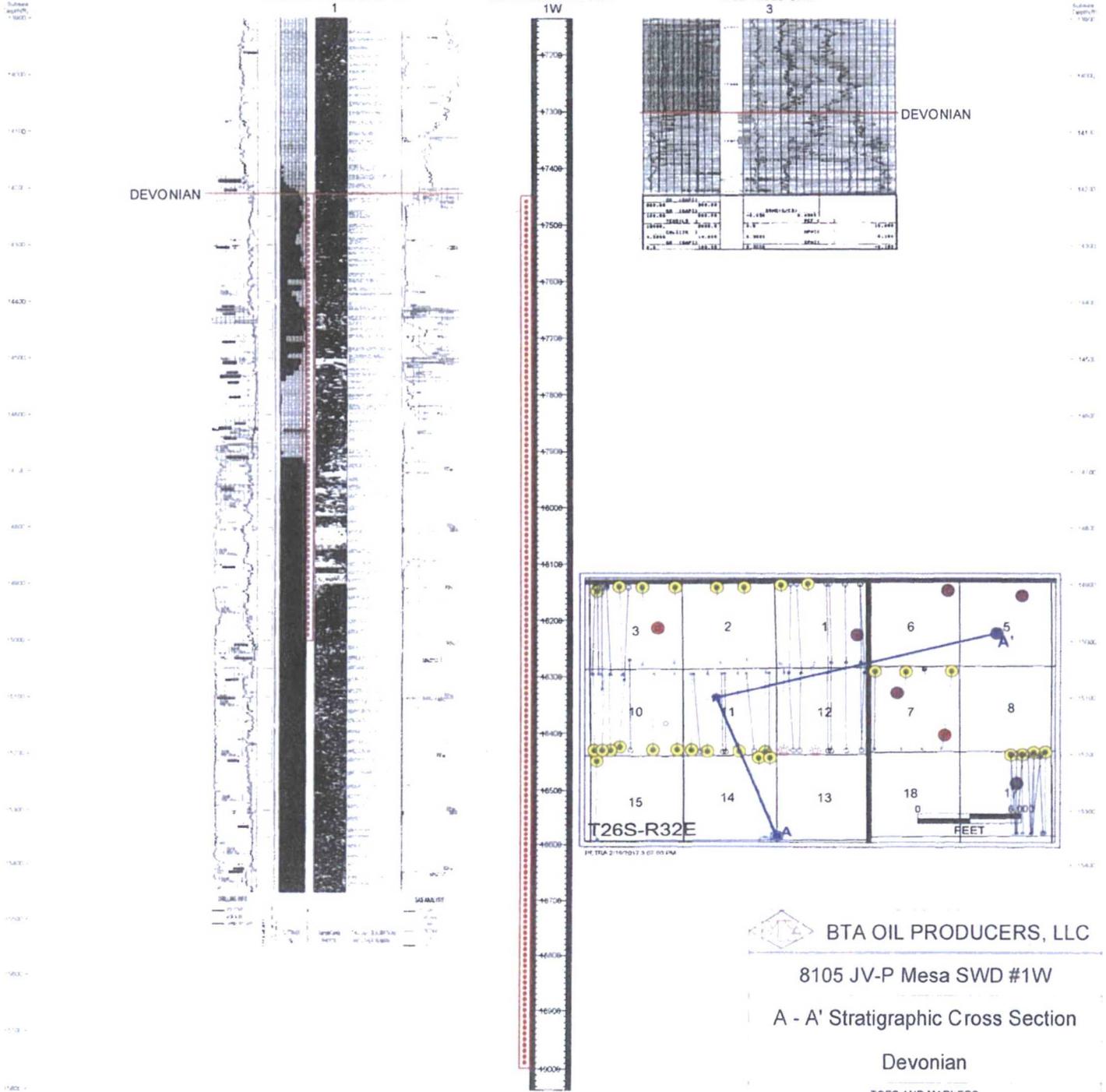
A

A'

CHEVRON USA INC
SALADO DRAW SWD 13

BTA OIL PRODUCERS, LLC
MESA SWD 8105 JV-P

CIMAREX ENERGY CO OF COLORADO
RED HILLS UNIT



BTA OIL PRODUCERS, LLC

8105 JV-P Mesa SWD #1W

A - A' Stratigraphic Cross Section

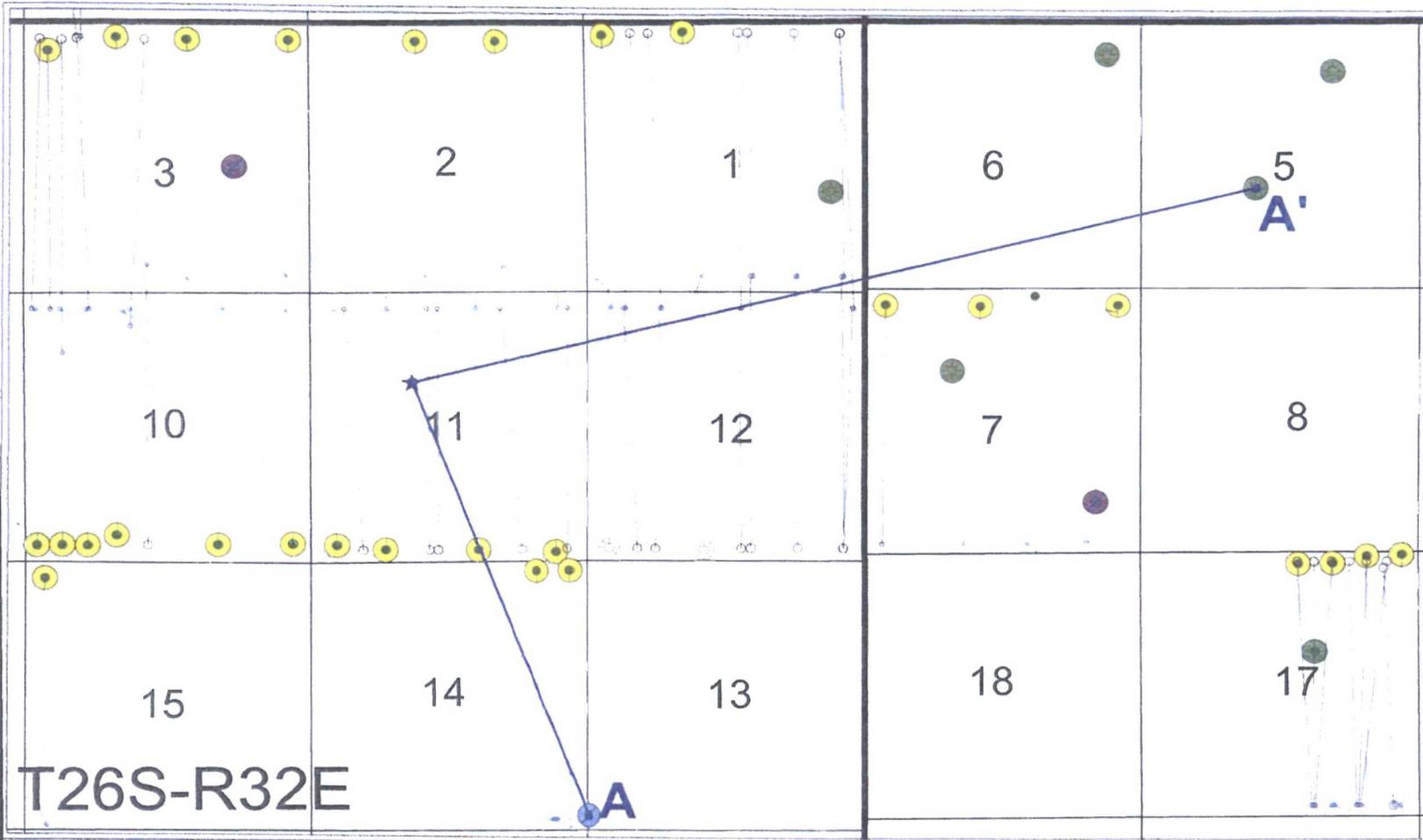
Devonian

TOPS AND MARKERS

DEVONIAN

*** Proposed Injection Interval Indicated In Red ***

By JHB



T26S-R32E

BTA Oil Producers, LLC

8105 JV-P Mesa SWD #1W
 Producing Formation Map
 Sec 11 T26S-R32E
 Lea County, New Mexico

ATTRIBUTE MAP

- Producing Formation Contains "DELAWARE"
- Producing Formation Contains "BONESPRING"
- Producing Formation Contains "WOLFCAMP"
- Producing Formation Contains "DEVONIAN"

WELL SYMBOLS

- ★ Proposed Location
- Location Only
- Drilled, Waiting on Completion
- Completing/Completed
- Oil Well
- Gas Well
- Oil & Gas Well
- Injection Well

REMARKS

Top of Devonian Stratigraphic Cross Section Shown On Map

Only Active Wells Shown on the Map

By JHB

0 2,400 4,800
 FEET

February 16, 2017

BTA Oil Producers, LLC
Application for Authorization to Inject
Mesa 8105 JV-P SWD #1W
1800' FNL & 1900' FWL
Section 11, T26S, R32E
Lea County, NM

Attachment to C-108

- X Will run Gamma Ray Neutron Log.
- XI No water wells are located in the 1-mile area surrounding the Mesa 8105 JV-P SWD #1W well. Within the 1-mile radius there is an injection well, Pintail 3 Federal SWD #1, operated by COG.
- XII There is no geological evidence of open faults nor other hydrologic connection between the disposal zone and any underground drinking water sources. Per Britton McQuien, Exploration Engineer.



New Mexico Office of the State Engineer

Active & Inactive Points of Diversion

(with Ownership Information)

WR File Nbr	(acre ft per annum)			County POD Number	Code Grant	Source	(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) (NAD83 UTM in meters)						
	Sub basin	Use	Diversion				Owner	Q	Q	Q	Q	X	Y
<u>C 02271</u>	CUB	PDL	3	OLIVER KIEHNE	LE <u>C 02271</u>	R	6416 4	2 3	21	26S	32E	624449	35441111'
					LE <u>C 02271</u> POD2	Shallow	3 2 3	21	26S	32E	624348	3544010'	
<u>C 02274</u>		STK	3	BUCK & LARUE JACKSON	LE <u>C 02274</u>		2 1 2	31	26S	32E	621742	3541730'	
<u>C 02323</u>	C	DOL	3	M R MADERA TRUST	LE <u>C 02323</u>	Shallow	3 2 3	21	26S	32E	624348	3544010'	
<u>C 03537</u>	C	EXP	0	GREGORY ROCKHOUSE RANCH, INC.	LE <u>C 03537</u> POD1		3 2 3	21	26S	32E	624250	3543985'	
<u>C 03595</u>	CUB	EXP	0	OLIVER D KIEHNE	LE <u>C 03595</u> POD1	Shallow	4 2 3	21	26S	32E	624422	3544045'	
<u>C 03829</u>	CUB	EXP	0	GREGORY ROCKHOUSE RANCH INC	LE <u>C 03829</u> POD1	Shallow	3 3 1	06	26S	32E	620628	3549186'	

Record Count: 7

POD Search:

POD Basin: Carlsbad

PLSS Search:

Section(s): 1-36 Township: 26S Range: 32E

Sorted by: File Number

*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.

3/3/17 7:41 AM

ACTIVE & INACTIVE POINTS OF DIVERSION

Attachment to C-108
Mesa 8105 JV-P SWD #1W



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 closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest) (NAD83 UTM in meters)

(In.feet)

POD Number	POD Code	Sub-basin	County	Q 6	Q 4	Q 16	4 Sec	Tws	Rng	X	Y	DepthWell	DepthWater	Water Column
<u>C 02271</u>	R		LE	2	3	21	26S	32E		624449	3544111'	150	125	25
<u>C 02271 POD2</u>		CUB	LE	3	2	3	21	26S	32E	624348	3544010'	270	250	20
<u>C 02274</u>			LE	2	1	2	31	26S	32E	621742	3541730'	300	295	5
<u>C 02323</u>		C	LE	3	2	3	21	26S	32E	624348	3544010'	405	405	0
<u>C 03537 POD1</u>		C	LE	3	2	3	21	26S	32E	624250	3543985'	850		
<u>C 03595 POD1</u>		CUB	LE	4	2	3	21	26S	32E	624423	3544045'	280	180	100
<u>C 03829 POD1</u>		CUB	LE	3	3	1	06	26S	32E	620628	3549186'	646	350	296

Average Depth to Water: **267 feet**
 Minimum Depth: **125 feet**
 Maximum Depth: **405 feet**

Record Count: 7

Basin/County Search:

Basin: Carlsbad County: Lea

PLSS Search:

Section 1-36 Township: 26S Range: 32E

(s):

*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.

3/3/17 7:39 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER

Attachment to C-108
Mesa 8105 JV-P, SWD #1W

BTA Oil Producers, LLC
Application for Authorization to Inject
Mesa 8105 JV-P SWD #1W
1800' FNL & 1900' FWL
Section 11, T26S, R32E
Lea County, New Mexico

Attachment to C-108

XIII Notice of Offset Operators Within ½ Mile

Working Interest Owners

BTA Oil Producers, LLC

JOA Interest Group to be noticed with AFE distribution

Surface Owner

Bureau of Land MGMT
620 E. Greene St.
Carlsbad, NM 88220

Grazing Lease Owner

Oliver Kiehne
P. O. Box 135
Orla, TX 79770

Offset Operator list

BTA Oil Producers, LLC
104 S. Pecos
Midland, TX 79701

WTG Exploration Inc
401 W Wadley Ave
Midland, TX 79705

Kaiser Francis Oil
P. O. Box 21463
Tulsa, OK 74121

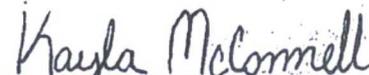
Yates Petroleum Corp.
105 S 4th St.
Artesia, NM 88210

Pioneer Exploration LTD
15603 Kuyhendahl #219
Houston, TX 77090

Mewbourne Oil Company
P. O. Box 5270
Hobbs, NM 88241

COG Operating LLC
600 W Illinois Ave
Midland, TX 79701

In addition, I hereby certify that notification of BTA's application was mailed via certified mail to the above named parties on the 3rd day of March, 2017.


Kayla McConnell



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

March 18, 2015

In re: Mesa SWD #1W 1/2 Mile Radius
Section 11
T-26-S, R-32-E
Lea County, NM

Leasehold Tract: All of Section 11, T-26-S, R-32-E, Lea County, New Mexico

<u>Ownership</u>	<u>Owner Information</u>	<u>Interest</u>
Working Interest	BTA Oil Producers, LLC 104 S. Pecos Midland, TX 79701	62.331081%
Working Interest	Kaiser Francis Oil Company P.O. Box 21468 Tulsa, OK 74121	27.668919%
Working Interest	Atlas OBO Energy, LP 15603 Kuykendahl, Ste 200 Houston, TX 77090	7.500000%
Working Interest	Royalty Clearinghouse 2003 LLC 401 Congress Ave., Ste. 1750 Austin, TX 78701	1.250000%
Working Interest	WTG Exploration, Inc. 401 West Wadley Ave Midland, TX 79705	1.250000%
		100.000000%

Leasehold Estate

Oil and Gas Lease

Lease No: NM 14492

Date: November 1, 1971

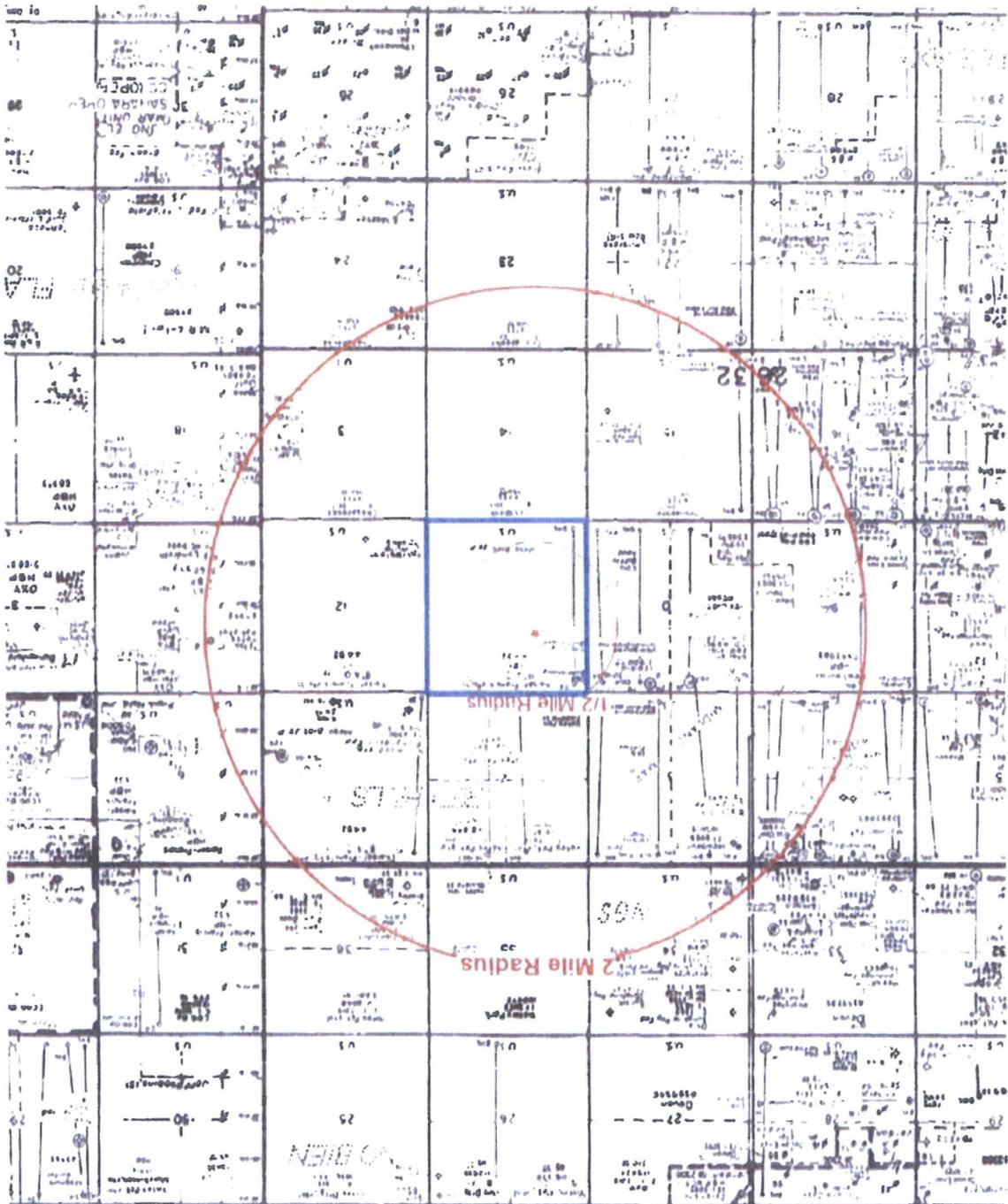
Lessor: Unites States of America

Lessee: Lester Alston

Royalty: 12.5%

Attachment: Map

MTM





BTA OIL PRODUCERS, LLC

104 SOUTH PECOS STREET
MIDLAND, TEXAS 79701-5021
432-882-3753
FAX 432-883-0311

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
713-858-0077 FAX 713-855-0348

ROCKY MOUNTAIN DISTRICT
800 17TH STREET, STE. 2230 SOUTH
DENVER, COLORADO 80202
303-534-4404 FAX 303-534-4681

March 12, 2015

In re: Mesa SWD #1W ½ Mile Radius
Section 11
T-26-S, R-32-E
Lea County, NM

Leasehold Tract: East 320 acres of Section 10, T-26-S, R-32-E, Lea County, New Mexico

<u>Ownership</u>	<u>Owner Information</u>	<u>Interest</u>
Working Interest	COG Production LLC 600 W. Illinois Ave One Concho Center Midland, TX 79701	100%

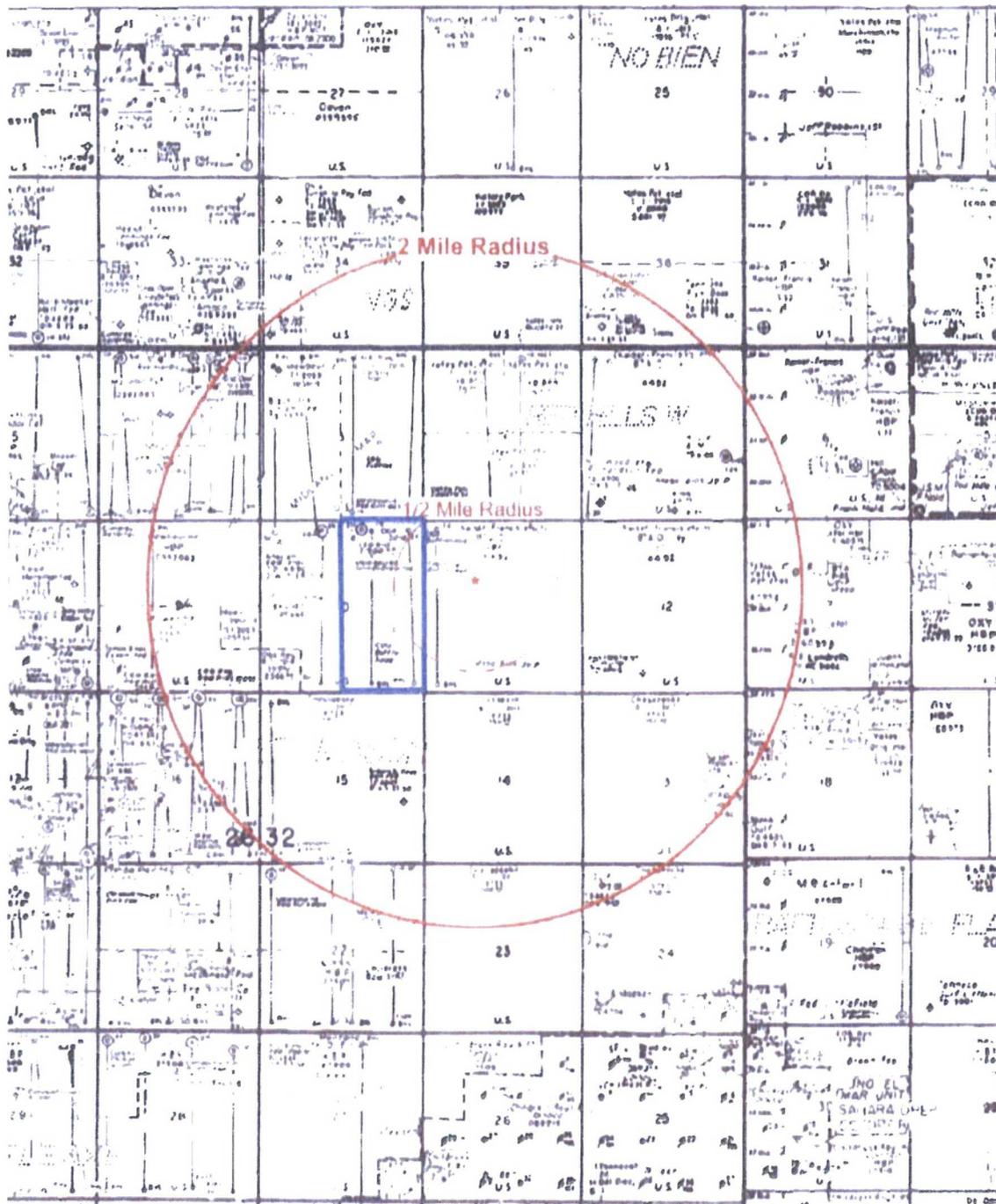
Leasehold Estate

Oil and Gas Lease

Lease No: NM 120910
Date: November 1, 2008
Lessor: Unites States of America
Lessee: OGX Resources, LLC
Royalty: 12.5%

Attachment: Map

MTM



BTA Oil Producers, LLC
Application for Authorization to Inject
Mesa 8105 JV-P SWD #1W
1800' FNL & 1900' FWL
Section 11, T26S, R32E
Lea County, New Mexico

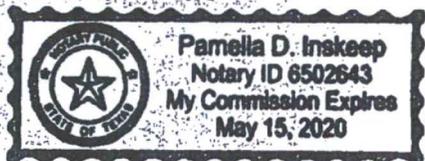
Attachment to C-108

STATE OF TEXAS

COUNTY OF MIDLAND

BEFORE ME, the undersigned authority on this day personally appeared Kayla McConnell, a Regulatory Analyst with BTA Oil Producers, LLC who being by me duly sworn, deposes and states the persons listed on the foregoing attached list have been sent a copy on March 3, 2017, of the New Mexico Oil Conservation Division Form C-108 "Application for Authorization to Inject" for the Mesa 8105 JV-P SWD #1W, located in section 11, T26S, R32E, Lea County, New Mexico.

SUBSCRIBED AND SWORN TO before me on this 3rd day of March, 2017; to certify which witness my hand and seal of office.



Pamela D. Inskip
Pamela D. Inskip
Notary Public, State of Texas

Affidavit of Publication

STATE OF NEW MEXICO
COUNTY OF LEA

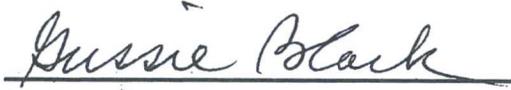
I, Daniel Russell, Publisher of the Hobbs News-Sun, a newspaper published at Hobbs, New Mexico, solemnly swear that the clipping attached hereto was published in the regular and entire issue of said newspaper, and not a supplement thereof for a period of 1 issue(s).

Beginning with the issue dated
February 08, 2017
and ending with the issue dated
February 08, 2017.



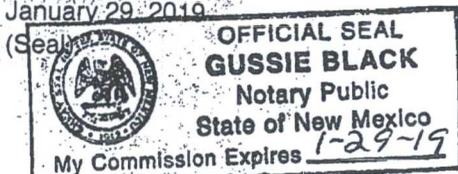
Publisher

Sworn and subscribed to before me this
8th day of February 2017.



Business Manager

My commission expires
January 29, 2019



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

LEGALS

LEGAL NOTICE February 8, 2017

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 Mesa SWD 8105 JV-P #1W is located 1800' FNL & 1900' FWL; Section 11, T26S, R32E, Lea County, NM. Disposal water will be sourced from area wells producing from the Delaware, Bone Spring, and Wolfcamp formations. The disposal water will be injected into the Devonian and Silurian formations at a depth of 17450'-19000', at a maximum surface pressure of 3490 psi, and an average rate of 30000 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.
#31531

01101299

00188264

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

7015 0640 0001 5098 2259

U.S. Postal Service
CERTIFIED MAIL® RECEIPT
 Domestic Mail Only

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

OFFICIAL USE

Certified Mail Fee
 Return Receipt (hardcopy) \$ 2.05
 Certified Mail Restricted Delivery \$ 3.35
 Adult Signature Restricted Delivery \$ 2.75

Postage
 8.13

Total Postage and Fees

Send To
 Bureau of Land MGMT
 620 E. Greene St.
 Carlsbad, NM 88220

PS Form 3800, July 2016 PSN 7520-01-000-9001

SENDER: COMPLETE THIS SECTION

Complete items 1, 2, and 3.
 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:
 Bureau of Land MGMT
 620 E. Greene St.
 Carlsbad, NM 88220

2. Article Number (Transfer from service label)

PS Form 3811, July 2016 PSN 7520-01-000-9001

COMPLETE THIS SECTION ON DELIVERY

A. Signature
 X [Signature]
 Agent
 Addressee

B. Received by (Printed Name)
 [Signature]

C. Date of Delivery
 3/6/17

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

3. Service Type
 Adult Signature
 Adult Signature Restricted Delivery
 Certified Mail
 Certified Mail Restricted Delivery
 Collect on Delivery
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 Insured Mail Restricted Delivery (over \$500)

Priority Mail Express®
 Registered Mail®
 Registered Mail Restricted Delivery
 Return Receipt for Merchandise
 Signature Confirmation®
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PS Form 3811, July 2016 PSN 7520-01-000-9001

7015 0640 0001 5098 2273

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Postage
 8.13

Total Postage and Fees

Send To
 WTG Exploration Inc
 401 W Wadley Ave
 Midland, TX 79705

PS Form 3800, July 2016 PSN 7520-01-000-9001

SENDER: COMPLETE THIS SECTION

Complete items 1, 2, and 3.
 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:
 WTG Exploration Inc
 401 W Wadley Ave
 Midland, TX 79705

2. Article Number (Transfer from service label)

PS Form 3811, July 2016 PSN 7520-01-000-9001

COMPLETE THIS SECTION ON DELIVERY

A. Signature
 X [Signature]
 Agent
 Addressee

B. Received by (Printed Name)
 Kelly Gonzalez

C. Date of Delivery
 3/6/17

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

3. Service Type
 Adult Signature
 Adult Signature Restricted Delivery
 Certified Mail
 Certified Mail Restricted Delivery
 Collect on Delivery
 Collect on Delivery Restricted Delivery
 Insured Mail
 Insured Mail Restricted Delivery (over \$500)

Priority Mail Express®
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 Registered Mail Restricted Delivery
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 Signature Confirmation®
 Signature Confirmation Restricted Delivery

PS Form 3811, July 2016 PSN 7520-01-000-9001

7015 0640 0001 5098 2327

U.S. Postal Service
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OFFICIAL USE

Certified Mail Fee
 Return Receipt (hardcopy) \$ 2.05
 Certified Mail Restricted Delivery \$ 3.35
 Adult Signature Restricted Delivery \$ 2.75

Postage
 7.08

Total Postage and Fees

Send To
 COG Operating LLC
 600 W Illinois Ave
 Midland, TX 79701

PS Form 3800, July 2016 PSN 7520-01-000-9001

SENDER: COMPLETE THIS SECTION

Complete items 1, 2, and 3.
 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:
 COG Operating LLC
 600 W Illinois Ave
 Midland, TX 79701

2. Article Number (Transfer from service label)

PS Form 3811, July 2016 PSN 7520-01-000-9001

COMPLETE THIS SECTION ON DELIVERY

A. Signature
 X [Signature]
 Agent
 Addressee

B. Received by (Printed Name)
 [Signature]

C. Date of Delivery
 3/6/17

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

3. Service Type
 Adult Signature
 Adult Signature Restricted Delivery
 Certified Mail
 Certified Mail Restricted Delivery
 Collect on Delivery
 Collect on Delivery Restricted Delivery
 Insured Mail
 Insured Mail Restricted Delivery (over \$500)

Priority Mail Express®
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 Return Receipt for Merchandise
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PS Form 3811, July 2016 PSN 7520-01-000-9001

7015 0640 0001 5098 2303

U.S. Postal Service
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OFFICIAL USE

Certified Mail Fee
 Return Receipt (hardcopy) \$ 2.05
 Certified Mail Restricted Delivery \$ 3.35
 Adult Signature Restricted Delivery \$ 2.75

Postage
 8.13

Total Postage and Fees

Send To
 Pioneer Exploration LTD
 15603 Kuykendahl #219
 Houston, TX 77090

PS Form 3800, July 2016 PSN 7520-01-000-9001

SENDER: COMPLETE THIS SECTION

Complete items 1, 2, and 3.
 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:
 Pioneer Exploration LTD
 15603 Kuykendahl #219
 Houston, TX 77090

2. Article Number (Transfer from service label)

PS Form 3811, July 2016 PSN 7520-01-000-9001

COMPLETE THIS SECTION ON DELIVERY

A. Signature
 X [Signature]
 Agent
 Addressee

B. Received by (Printed Name)
 [Signature]

C. Date of Delivery
 3/7/17

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

3. Service Type
 Adult Signature
 Adult Signature Restricted Delivery
 Certified Mail
 Certified Mail Restricted Delivery
 Collect on Delivery
 Collect on Delivery Restricted Delivery
 Insured Mail
 Insured Mail Restricted Delivery (over \$500)

Priority Mail Express®
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PS Form 3811, July 2016 PSN 7520-01-000-9001

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OFFICIAL USE

Article Addressed to:
Yates Petroleum Corp.
 105 S 4th St.
 Artesia, NM 88210

Postage: 7.09

PS Form 3800, 7015 0640 0001 5098 2297

SENDER: COMPLETE THIS SECTION

1. Article Addressed to:
Yates Petroleum Corp.
 105 S 4th St.
 Artesia, NM 88210

2. Article Number (Transfer from service label)

PS Form 3811, July 2015 PSN 7530-02-1 7015 0640 0001 5098 2297

COMPLETE THIS SECTION ON DELIVERY

A. Signature: *[Signature]*

B. Received by (Printed Name): *[Name]*

C. Date of Delivery: *3/10/17*

D. Is delivery address different from item 1? Yes No

3. Service Type: Adult Signature, Registered Mail, Certified Mail, Collect on Delivery, Insured Mail (over \$500)

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OFFICIAL USE

Article Addressed to:
Kaiser Francis Oil
 P.O. Box 21463
 Tulsa, OK 74121

Postage: 8.13

PS Form 3800, 7015 0640 0001 5098 2260

SENDER: COMPLETE THIS SECTION

1. Article Addressed to:
Kaiser Francis Oil
 P.O. Box 21463
 Tulsa, OK 74121

2. Article Number (Transfer from service label)

PS Form 3811, July 2015 PSN 7530-02-1 7015 0640 0001 5098 2260

COMPLETE THIS SECTION ON DELIVERY

A. Signature: *[Signature]*

B. Received by (Printed Name): *[Name]*

C. Date of Delivery: *MAR 07 2017*

D. Is delivery address different from item 1? Yes No

3. Service Type: Adult Signature, Registered Mail, Certified Mail, Collect on Delivery, Insured Mail (over \$500)

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OFFICIAL USE

Article Addressed to:
Mewbourne Oil Company
 P.O. Box 5270
 Hobbs, NM 88241

Postage: 8.12

PS Form 3800, 7015 0640 0001 5098 2310

SENDER: COMPLETE THIS SECTION

1. Article Addressed to:
Mewbourne Oil Company
 P.O. Box 5270
 Hobbs, NM 88241

2. Article Number (Transfer from service label)

PS Form 3811, July 2015 PSN 7530-02-1 7015 0640 0001 5098 2310

COMPLETE THIS SECTION ON DELIVERY

A. Signature: *[Signature]*

B. Received by (Printed Name): *[Name]*

C. Date of Delivery: *3/17/17*

D. Is delivery address different from item 1? Yes No

3. Service Type: Adult Signature, Registered Mail, Certified Mail, Collect on Delivery, Insured Mail (over \$500)

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OFFICIAL USE

Article Addressed to:
Oliver Kiehne
 P. O. Box 135
 Ora, TX 79770

Postage: 8.13

PS Form 3800, 7015 0640 0001 5098 2266

SENDER: COMPLETE THIS SECTION

1. Article Addressed to:
Oliver Kiehne
 P. O. Box 135
 Ora, TX 79770

2. Article Number (Transfer from service label)

PS Form 3811, July 2015 7015 0640 0001 5098 2266

COMPLETE THIS SECTION ON DELIVERY

A. Signature: *[Signature]*

B. Received by (Printed Name): *[Name]*

C. Date of Delivery: *3-8-17*

D. Is delivery address different from item 1? Yes No

3. Service Type: Adult Signature, Registered Mail, Certified Mail, Collect on Delivery, Insured Mail (over \$500)

Kayla McConnell

From: Melissa Dimit <MDimit@concho.com>
Sent: Friday, March 24, 2017 9:26 AM
To: Kayla McConnell
Subject: Application for Authorization to Inject - 8105 JV-P Mesa SWD 1W

Karen-

COG has no objections to this amended application to inject.

Sincerely,

Melissa L. Dimit
Land Coordinator
Delaware Basin - NM

COG Operating LLC
One Concho Center
600 W. Illinois Ave.
Midland, TX 79701
Direct: 432-685-2568
mdimit@concho.com



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BTA Oil Producers, LLC
Application for Authorization to Inject
Mesa 8105 JV-P SWD #1W
1800' FNL & 1900' FWL
Section 11, T26S, R32E
Lea County, NM

Attachment to C-108

- X Will run Gamma Ray Neutron Log.
- XI No water wells are located in the 1-mile area surrounding the Mesa 8105 JV-P SWD #1W well. Within the 1-mile radius there is an injection well, Pintail 3 Federal SWD #1, operated by COG.
- XII There is no geological evidence of open faults nor other hydrologic connection between the disposal zone and any underground drinking water sources. Per Britton McQuien, Exploration Engineer.


Britton McQuien

State of New Mexico
Energy, Minerals and Natural Resources Department

Susana Martinez
Governor

David Martin
Cabinet Secretary

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

David R. Catanach, Division Director
Oil Conservation Division



Administrative Order SWD-1531
April 9, 2015

**ADMINISTRATIVE ORDER
OF THE OIL CONSERVATION DIVISION**

Pursuant to the provisions of Division Rule 19.15.26.8B, NMAC, BTA Oil Producers, LLC (the "operator") seeks an administrative order for its proposed Mesa 8105 SWD JV-P Well No. 1 to be located 1800 feet from the North line and 1900 feet from the West line, Unit letter F of Section 11, Township 26 South, Range 32 East, NMPM, Lea County, New Mexico, for produced water disposal.

THE DIVISION DIRECTOR FINDS THAT:

The application has been duly filed under the provisions of Division Rule 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 Rule 19.15.26.8 NMAC have been met and the operator is in compliance with Rule 19.15.5.9 NMAC.

IT IS THEREFORE ORDERED THAT:

The applicant, BTA Oil Producers, LLC (OGRID 260297), is hereby authorized to utilize its proposed Mesa 8105 SWD JV-P Well No. 1 (API 30-025-NA) to be located 1800 feet from the North line and 1900 feet from the West line, Unit letter F of Section 11, Township 26 South, Range 32 East, NMPM, Lea County, for disposal of oil field produced water (UIC Class II only) in the Bell Canyon and Cherry Canyon formations of the Delaware Mountain group through perforations from 4850 feet to 7000 feet. Injection shall occur through internally-coated, 3/2-inch or smaller tubing and a packer set within 100 feet of the top perforation.

IT IS FURTHER ORDERED THAT:

The operator shall take all steps necessary to ensure that the disposed water enters only the approved disposal interval and is not permitted to escape to other formations or onto the surface. This includes the well construction proposed and as amended and shown in a well diagram submitted by the applicant on February 26, 2015.

The operator shall supply the Division with a copy of a mudlog over the permitted disposal interval and also the (estimated) insitu water salinity based on open-hole logs. If significant hydrocarbon shows occur while drilling, the operator shall notify the Division's District I and the operator shall be required to receive written permission prior to commencing

disposal.

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 procedures and schedules shall follow the requirements in Division Rule 19.15.26.11A. NMAC. The Division Director retains the right to require at any time wireline verification of completion and packer setting depths in this well.

The wellhead injection pressure on the well shall be limited to **no more than 970 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. At the discretion of the supervisor of District I, the operator shall install and maintain a tubing/casing pressure chart recorder.

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 I office of the date and time of the installation of disposal equipment and of any MIT 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 I 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.

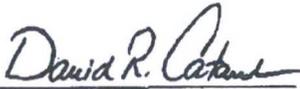
The Division may revoke this injection order after notice and hearing if the operator is in violation of Rule 19.15.5.9 NMAC.

The disposal authority granted herein shall terminate two (2) 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.



DAVID R. CATANACH
Director

DRC/wvjj

cc: Oil Conservation Division – Hobbs District Office
Bureau of Land Management – Carlsbad Field Office



C-108 Review Checklist: Received 3-6-2017 Add. Request: 3-28-2017 Reply Date: _____ Suspended: _____ [Ver 15]

ORDER TYPE: WFX / PMX / SWD Number: 1531-11 Order Date: _____ Legacy Permits/Orders: _____

Well No. 1 Well Name(s): Mesa 8105 JU-P SAND

API: 30-0 25-42841 Spud Date: TBD New or Old: N (UIC Class II Primacy 03/07/1982)

Footages 1800FWL
1900FWL Lot _____ or Unit F Sec 4 Tsp 26S Rge 32E County LEC

General Location: 230mi. ES
SAL Pool: _____ Pool No.: _____

BLM 100K Map: JAL Operator: BTAPII
Productions, LLC OGRID: 260297 Contact: KAYLA
McConnell

COMPLIANCE RULE 5.9: Total Wells: 161 Inactive: 3 Fincl Assur: OK Compl. Order: N/A IS 5.9 OK? X Date: 3-28-2017

WELL FILE REVIEWED Current Status: Proposed

WELL DIAGRAMS: NEW: Proposed or RE-ENTER: Before Conv. After Conv. Logs in Imaging: N/A

Planned Rehab Work to Well: C-B-L Liner

Well Construction Details	Sizes (in) Borehole / Pipe	Setting Depths (ft)	Cement Sx or Cf	Cement Top and Determination Method
Planned ___ or Existing ___ Surface	<u>17 1/2 / 13 3/8</u>	<u>790</u>	<u>635</u>	<u>SURFACE / VISUAL</u>
Planned ___ or Existing ___ Interm/Prod	<u>12 1/4 / 9 5/8</u>	<u>1200</u>	<u>1830</u>	<u>SURFACE / VISUAL</u>
Planned ___ or Existing ___ Interm/Prod				
Planned ___ or Existing ___ Prod. Liner	<u>283M17</u>	<u>17450</u>	<u>850</u>	<u>11950 / C-B-L</u>
Planned ___ or Existing ___ Liner				
Planned ___ or Existing ___ OH / PERF				

Injection Lithostratigraphic Units:	Depths (ft)	Injection or Confining Units	Tops	Completion/Operation Details:
Adjacent Unit: Litho. Struc. Por.		<u>MS</u>	<u>1705</u>	Drilled TD <u>1900</u> PBDT _____
Confining Unit: Litho. Struc. Por.		<u>wt</u>	<u>1735</u>	NEW TD _____ NEW PBDT _____
Proposed Inj Interval TOP:				NEW Open Hole <input checked="" type="checkbox"/> or NEW Perfs <input type="checkbox"/>
Proposed Inj Interval BOTTOM:				Tubing Size _____ in. Inter Coated? _____
Confining Unit: Litho. Struc. Por.				Proposed Packer Depth _____ ft
Adjacent Unit: Litho. Struc. Por.				Min. Packer Depth _____ (100-ft limit)
				Proposed Max. Surface Press. _____ psi
				Admin. Inj. Press. _____ (0.2 psi per ft)

AOR: Hydrologic and Geologic Information

POTASH: R-111-P N/A Noticed? _____ BLM Sec Ord WIPP Noticed? _____ Salt/Salado T: 1270 B: 4370 NW: Cliff House fm _____

FRESH WATER: Aquifer N/A Max Depth _____ HYDRO AFFIRM STATEMENT By Qualified Person

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

Disposal Fluid: Formation Source(s) WOLF CAMP? BOWSPRING? Analysis? Y On Lease Operator Only or Commercial

Disposal Int: Inject Rate (Avg/Max BWPD): 30K/60K Protectable Waters? N/A Source: _____ System Closed or Open

HC Potential: Producing Interval? N/A Formerly Producing? _____ Method: Logs/DST/P&A/Other regional 2-Mile Radius Pool Map

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

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

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

NOTICE: Newspaper Date 2-8-2017 Mineral Owner BLM Surface Owner BLM N. Date 3/6/2017

RULE 26.7(A): Identified Tracts? Y Affected Persons: CUB, WTB-EXPL, KUISEN, FRANKIS N. Date 3/7/2017

Order Conditions: Issues: (See tubing) & C-B-L

Add Order Cond: * 5 1/2" tubing to ~ 11900; 4 1/2" ~ 11900 - 17450
* Amend SWD 1531 to 90F non SWD; Bell-cherry-

State of New Mexico
Energy, Minerals and Natural Resources Department

Susana Martínez
Governor

Ken McQueen
Cabinet Secretary

Matthias Sayer
Deputy Cabinet Secretary

David R. Catanach, Division Director
Oil Conservation Division



Administrative Order SWD-1531-A
March 29, 2017

**ADMINISTRATIVE ORDER
OF THE OIL CONSERVATION DIVISION**

Pursuant to the provisions of Division Rule 19.15.26.8B, NMAC, BTA Oil Producers, LLC (the "operator") seeks an administrative order for its proposed Mesa SWD 8105 JV-P Well No. 1 located 1800 feet from the North line and 1900 feet from the West line, Unit F of Section 11, Township 26 South, Range 32 East, NMPM, Lea County, New Mexico, for the commercial disposal of produced water.

This Order supersedes and replaces Administrative Order SWD-1531, issued on April 9, 2015, which permitted injection in the Bell Canyon and Cherry Canyon formations from 4850 feet to 7000 feet. The amended Administrative Order changes the injection interval into the Devonian and Silurian formations from 17450 feet to 19000 feet. Lastly, this amended order increases the approved injection pressure to **3490 psi**.

THE DIVISION DIRECTOR FINDS THAT:

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

IT IS THEREFORE ORDERED THAT:

The applicant, BTA Oil Producers, LLC (OGRID 260297), is hereby authorized to utilize its Mesa SWD 8105 JV-P Well No. 1 (API 30-025-42841) located 1800 feet from the North line and 1900 feet from the West line, Unit F of Section 11, Township 26 South, Range 32 East, NMPM, Lea County, for commercial disposal of oil field produced water (UIC Class II only) in Devonian and Silurian formations, through open-hole interval from **17450 feet to 19000 feet**.

Injection will occur through internally-coated, 4½-inch or smaller tubing inside the 7-inch liner, and a packer set within 100 feet of the uppermost perforation. The operator will be authorized to place a 5-1/2-inch or smaller tubing inside the surface and intermediate casings.

Prior to commencing disposal, the operator shall submit mudlog and geophysical logs information to the Division's District geologist and Santa Fe Bureau Engineering office, showing

evidence agreeable that only the permitted formations are open for disposal including a summary of depths (picks) for contacts of the formations which the Division shall use to amend this order for a final description of the depth for the injection interval.

This permit does not permit disposal into the Ellenburger formation (lower Ordovician) or lost circulation intervals directly on top and obviously connected to this formation.

The operator shall supply the Division with a copy of a mudlog over the permitted disposal interval and an estimated insitu water salinity based on open-hole logs. If significant hydrocarbon shows occur while drilling, the operator shall notify the Division's District I office and the operator shall be required to receive written permission prior to commencing disposal.

The operator shall circulate all surface and intermediate casings to the surface.

The operator shall run a CBL (or equivalent) across the 7-inch liner from approximately 17450 feet to 11000 feet to demonstrate a good cement across the 7-inch liner, and good bond between the liner and the 9-5/8-inch casing.

Within one year after commencing disposal, the operator shall submit to the Division copies of an injection survey run on this well consisting of a temperature log, or equivalent, run under representative disposal rates.

IT IS FURTHER ORDERED THAT:

The operator shall take all steps necessary to ensure that the disposed water enters only the approved disposal interval and is not permitted to escape to other formations or onto the surface. This includes the completion and construction of the well as proposed in the application, and as modified by this Order.

Within two years after commencing disposal, the operator shall conduct an injection survey, consisting of a temperature log or equivalent, over the entire injection interval using representative disposal rates. Copies of the survey results shall be provided to the Division's District I office and Santa Fe Engineering Bureau office.

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 procedures and schedules shall follow the requirements in Division Rule 19.15.26.11A. NMAC. The Division Director retains the right to require at any time wireline verification of completion and packer setting depths in this well.

The wellhead injection pressure on the well shall be limited to **no more than 3490 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 I office of the date and time of the installation of disposal equipment and of any MIT 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 I 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 order after notice and hearing if the operator is in violation of Rule 19.15.5.9 NMAC.

The disposal authority granted herein shall terminate two (2) 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.

Administrative Order SWD-1531-A
BTA Oil Producers, LLC
March 29, 2017
Page 4 of 4



DAVID R. CATANACH
Director

DRC/mam

cc: Oil Conservation Division – Hobbs District Office
Bureau of Land Management – Carlsbad
Well File - 30-025-42841

APPLICATION FOR DRILLING

BTA OIL PRODUCERS, LLC
Mesa SWD 8105 JV-P #1
1800' FNL & 1900' FWL
UL -F-, Sec. 11, T26S, R32E Surface
Lea County, New Mexico

In conjunction with Form 3160-3, Application for Permit to Drill, BTA Oil Producers submits the following 10 items for pertinent information in accordance with BLM requirements:

1. Geologic surface formation is Quaternary.
2. Top of geologic markers & depths of anticipated fresh water, oil or gas:

Anhydrite	690'	
Top of Salt	1,270'	
Base of Salt	4,370'	
Delaware	4,595'	
Bell Canyon	4,620'	
Cherry Canyon	5,835'	
Brushy Canyon	7,085'	Oil

No other formations are expected to yield oil, gas, or fresh water in measurable volumes. Depth to fresh water, in this area, is 175'. The surface fresh water sands will be protected by setting 13-3/8" csg at 790' cemented back to surface.

All shows of fresh water and minerals will be reported and protected. A sample will be taken of any water flows and furnished to the BLM, Division of Minerals. All oil and gas shows will be adequately tested for commercial possibilities, reported and protected.

3. Proposed Casing and Cementing Program:

<u>Hole Size</u>	<u>OD Casing</u>	<u>Setting From</u>	<u>Depth to</u>	<u>Weight</u>	<u>Grade</u>	<u>Joint</u>
17-1/2"	13-3/8"	0'	790'	54.5#	J55	STC
12-1/4"	9-5/8"	0'	12,000'	53.5#	P-110	LTC
8-1/2"	7" Liner	11,950' ^{11,900'}	17,450'	32#	P-110	LTC
6"	Open Hole	17,450'	19,000'	N/A	N/A	N/A

Minimum Casing Design Factors:

Collapse	1.125
Burst	1.0
Tensile	1.8

E COA & n casing infringement plan

Depending upon availability at the time that the casing is run, equivalent weights and grades may be substituted. All casing will be new. Casing will be kept a minimum 1/3 full at all times.

4. Cement Program:

I. Surface Casing:

- Lead: 435 sx Class C.
 - Yield 1.75 ft³/sk
 - Weight: 13.5 ppg
- Tail: 200 sx Class – C
 - Yield 1.34 ft³/sk
 - Weight: 14.8 ppg
- Cement circulated to surface. 100% Excess.

II. 9 5/8" Casing:

Stage 1 -

- Lead: 200 sx Class H
 - Yield 1.18 ft³/sk
 - Weight: 15.6 PPG
- Tail: 630 sx Class H.
 - Yield 4.42 ft³/sk
 - Weight: 10.5 ppg

Stage 2 - DV Tool @ 4575'

- Tail: 1000 sx Class C
 - Yield 1.94 ft³/sk
 - Weight: 12.7 PPG
- Cement circulated to surface. 33% excess in open hole.

III. 7" Liner:

- Tail: 600 sx Class H
 - 1.48 ft³/sk; 16 ppg
- Cement calculated to tie back 250 ft. into 9 5/8" casing. 33% open hole excess.

Note: All casing strings will be pressure tested to 0.22 psi/ft. of setting depth or 1500 psi (whichever is greater) after cementing and prior to drillout.

5. Pressure Control Equipment:

The 13 5/8" blowout preventer equipment (BOP) shown in Exhibit A will consist of a (10M system) double ram type (10000 psi WP) preventor and a bag-type (Hydril) preventor (10000 psi WP). Will be hydraulically operated and the ram type preventor will be equipped with blind rams on top and 4-1/2" drill pipe rams on bottom. The BOP's will be installed on

the 13-3/8" casing and utilized continuously until TD is reached. All BOP's and associated equipment will be tested as per BLM drilling Operations Order No. 2.

Pipe rams will be operated and checked each 24-hour period and each time the drill pipe is out of the hole. These functional tests will be documented on the daily driller's log. A 2" kill line and 3" choke line will be incorporated in the drilling spool below the ram-type BOP. Other accessory BOP equipment will include a Kelly cock, floor safety valve, choke lines, and choke manifold having a 10000 psi WP rating.

6. Mud Program:

Surface to 790': 8.5 to 8.8 ppg fresh water spud with 35 to 45 sec/1000 cc viscosity.

790' to 12000': Oil-Based Mud 9.1# - 9.3#

12000' to 17450': Fresh Water Mud 12.2# - 13.1#

17450' to 19000': Fresh Water Mud 8.3#

Will use paper for seepage losses. Will adjust fluid weight as required using brine water. Visual mud monitoring equipment will be used at all times.

7. Auxiliary Equipment:

- a) Upper Kelly cock valve with handle available.
- b) Lower Kelly cock valve with handle available.
- c) Safety valves and subs to fit all drill string connections in use.
- d) Monitoring of mud system will be mechanical.

8. Testing Logging and Coring Program:

Drill Stem Tests – none planned

Open hole electrical logging program will be:

- i. TD to Surface: Gamma Ray/Compensated Neutron
- ii. No coring program is planned.

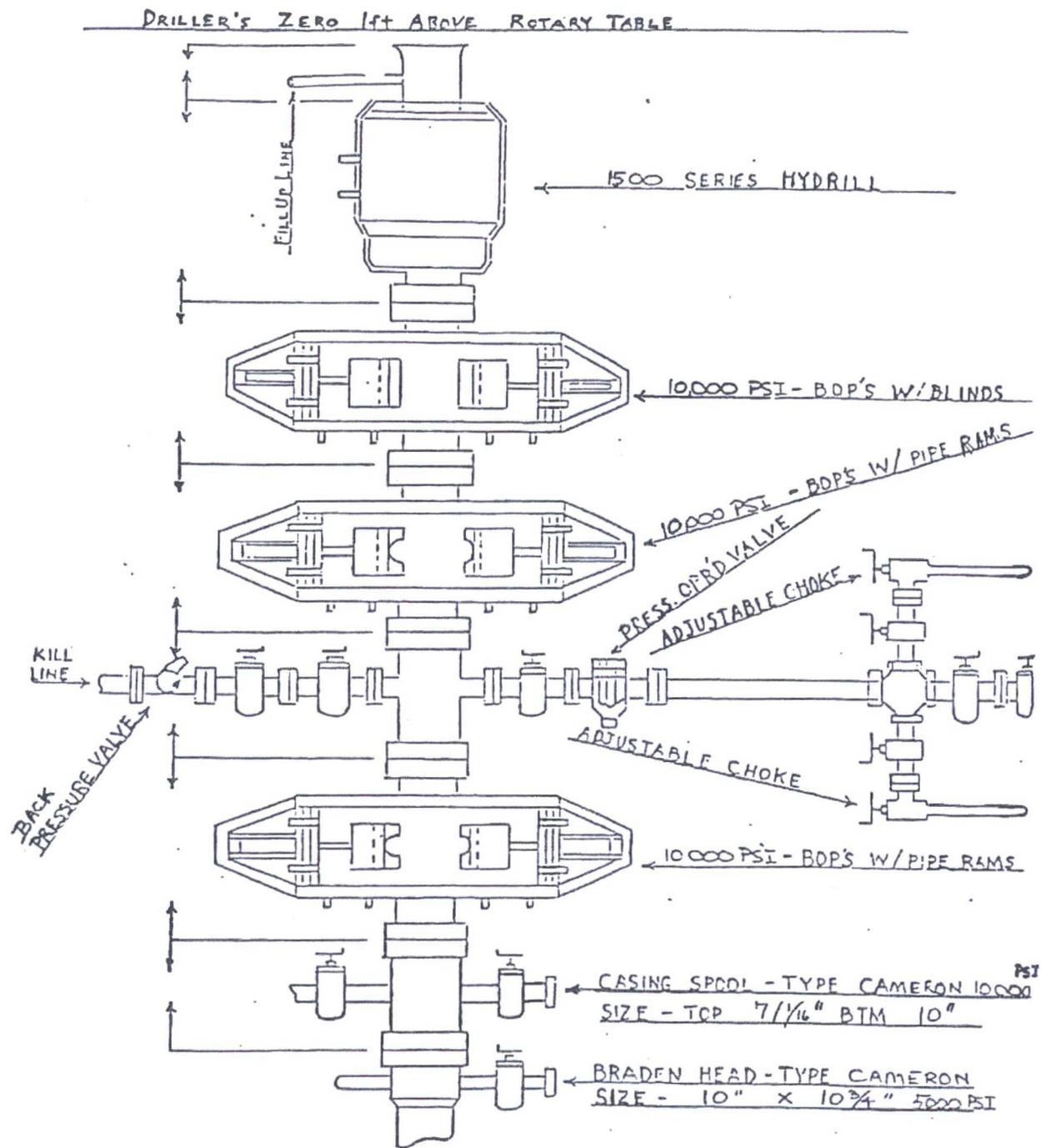
9. Potential Hazards:

No abnormal pressures or temperatures are anticipated. All personnel will be familiar with all aspects of safe operation of equipment being used to drill this well. Estimated BHP: 8,300 psi. Estimated BHT: 180° F. No H₂S is anticipated to be encountered (H₂S monitoring equipment will be operational prior to penetrating the Delaware).

Drilling Plan
Mesa SWD 8105 JV-P #1W

10. Anticipated Starting Date and Duration of Operations:

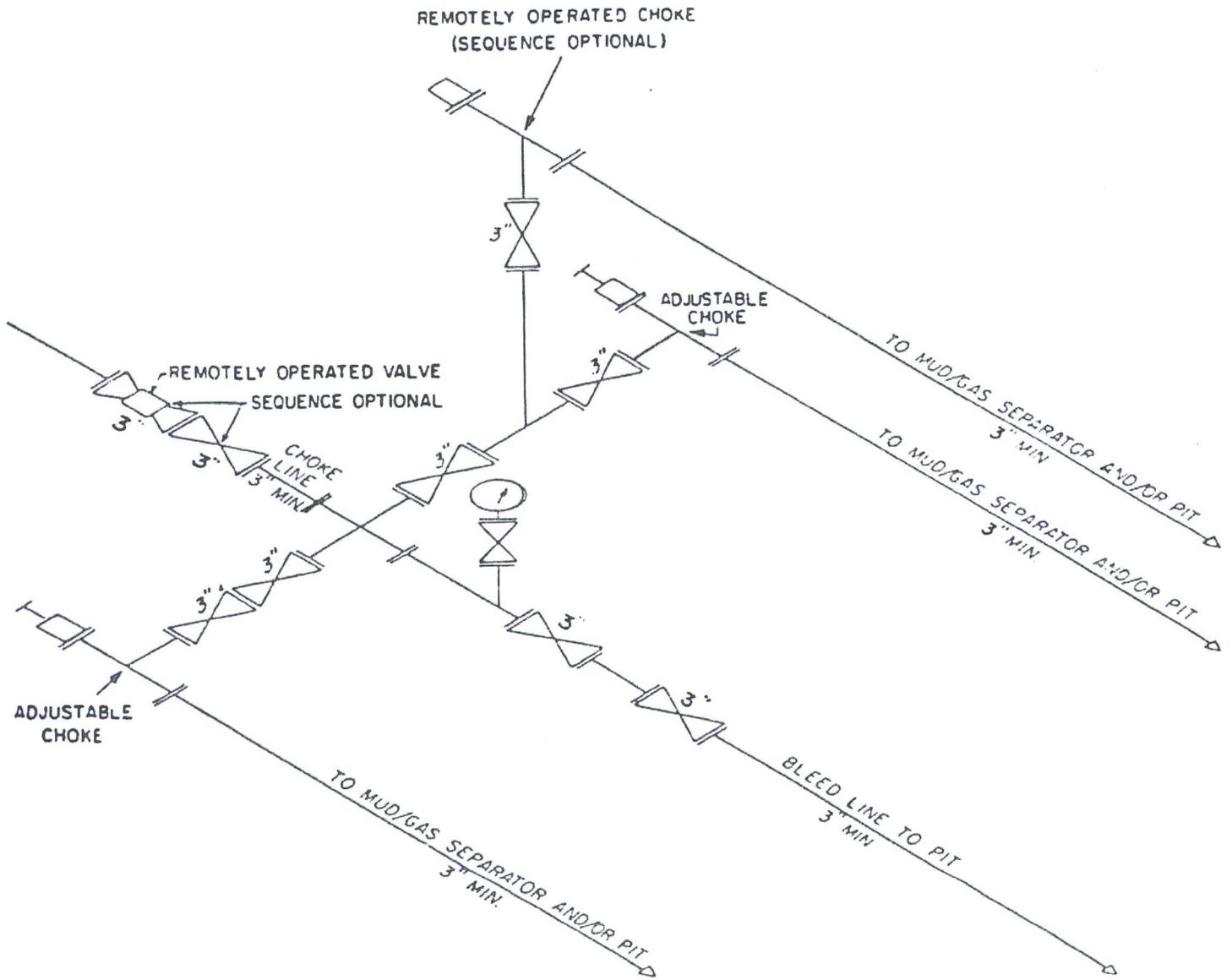
Anticipated start date will be as soon as possible after BLM approval and as soon as a rig is available. Move in operations and drilling is expected to take 20 days.



BTA Oil Producers, LLC

Mesa SWD 8105 JV-P #1W

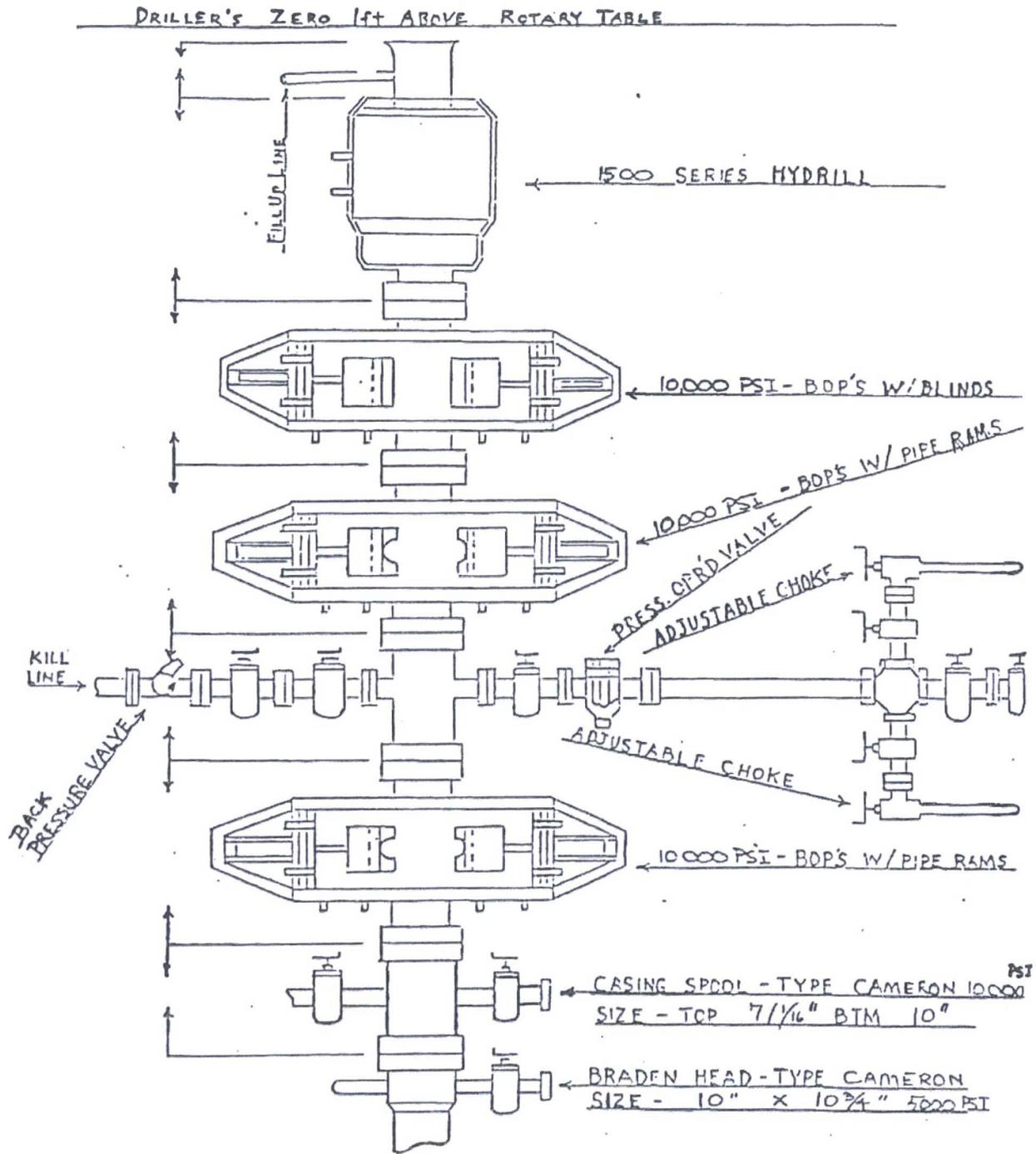
10M BOP



10M CHOKE MANIFOLD EQUIPMENT — CONFIGURATION MAY VARY

BTA Oil Producers, LLC

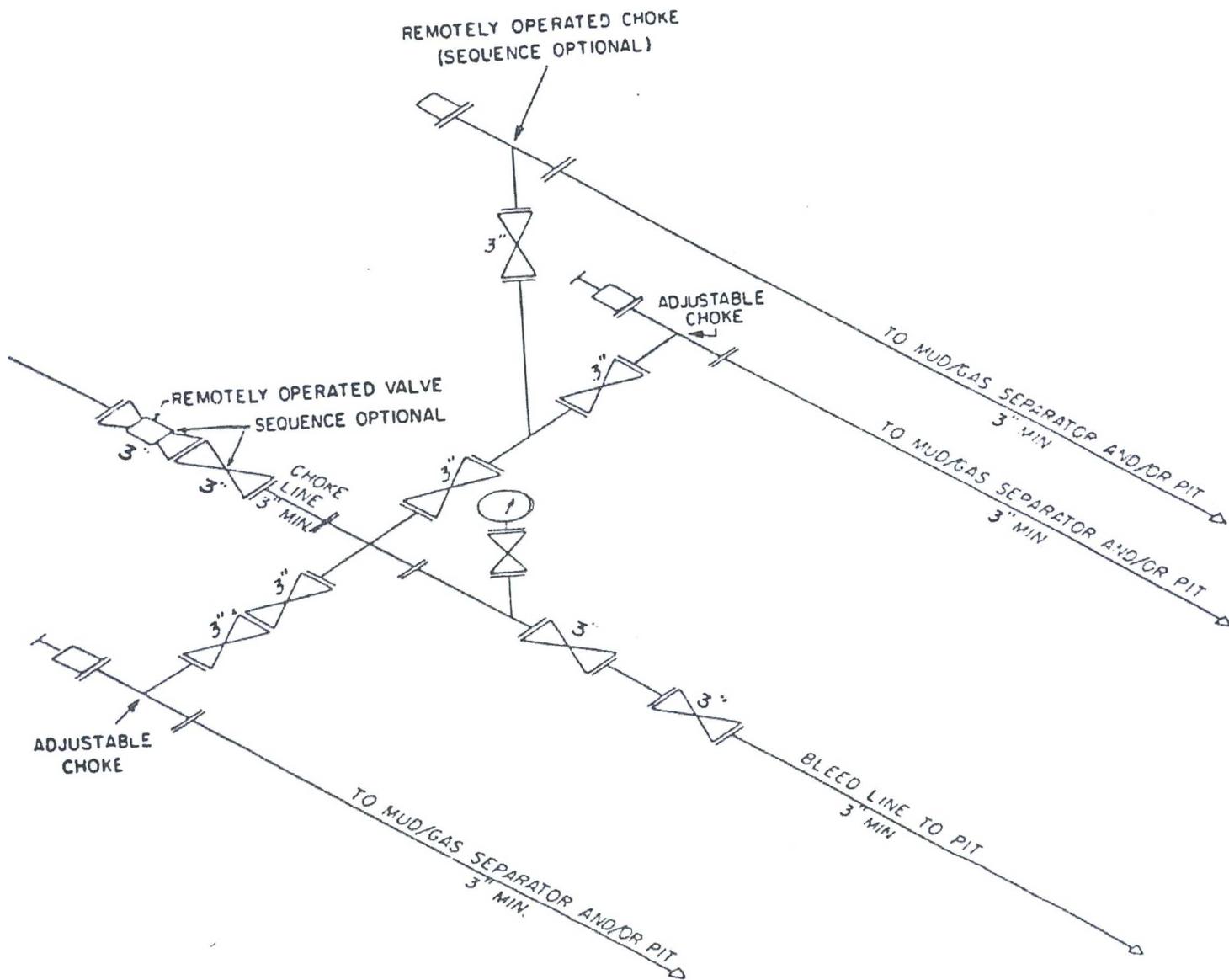
Mesa SWD 8105 JV-P #1W



BTA Oil Producers, LLC

Mesa SWD 8105 JV-P #1W

10M BOP



10M CHOKE MANIFOLD EQUIPMENT — CONFIGURATION MAY VARY

BTA Oil Producers, LLC
 Mesa SWD 8105 JV-P #1W

**PECOS DISTRICT
CONDITIONS OF APPROVAL**

OPERATOR'S NAME:	BTA Oil Producers, LLC
LEASE NO.:	NMNM-14492
WELL NAME & NO.:	Mesa SWD 8105 JV-P 1W
SURFACE HOLE FOOTAGE:	1800' FNL & 1900' FWL
LOCATION:	Section 11, T. 26 S., R 32 E., NMPM
COUNTY:	Lea County, New Mexico

All previous COAs still apply except the following:

A. CASING

Changes to the approved APD casing program need prior approval if the items substituted are of lesser grade or different casing size or are Non-API. The Operator can exchange the components of the proposal with that of superior strength (i.e. changing from J-55 to N-80, or from 36# to 40#). Changes to the approved cement program need prior approval if the altered cement plan has less volume or strength or if the changes are substantial (i.e. Multistage tool, ECP, etc.). The initial wellhead installed on the well will remain on the well with spools used as needed.

Centralizers required on surface casing per Onshore Order 2.III.B.1.f.

Wait on cement (WOC) for Water Basin:

After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi at the shoe, 2) until cement has been in place at least **8 hours**. WOC time will be recorded in the driller's log. See individual casing strings for details regarding lead cement slurry requirements.

No pea gravel permitted for remedial or fall back remedial without prior authorization from the BLM engineer.

Medium Cave/Karst

Possible water flows in the Salado and Castile.

Possible lost circulation in the Red Beds, Rustler, and Delaware.

Abnormal pressures may be encountered when penetrating the 3rd Bone Spring Sandstone and all subsequent formations.

1. The 13-3/8 inch surface casing shall be set at approximately 790 feet (in a competent bed **below the Magenta Dolomite**, which is a **Member of the Rustler**, and if salt is encountered, set casing at least 25 feet above the salt) and cemented to the surface.

- a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature survey with surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping cement and ideally between 8-10 hours after completing the cement job.
- b. Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry.**
- c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength, whichever is greater.
- d. If cement falls back, remedial cementing will be done prior to drilling out that string.

Formation below the 13-3/8" shoe to be tested according to Onshore Order 2.III.B.1.i. Test to be done as a mud equivalency test using the mud weight necessary for the pore pressure of the formation below the shoe (not the mud weight required to prevent dissolving the salt formation) and the mud weight for the bottom of the hole. Report results to BLM office

2. The minimum required fill of cement behind the 9-5/8 inch intermediate casing is:

Operator has proposed DV tool at depth of 4575', but will adjust cement proportionately if moved. DV tool shall be set a minimum of 50' below previous shoe and a minimum of 200' above current shoe. Operator shall submit sundry if DV tool depth cannot be set in this range. If an ECP is used, it is to be set a minimum of 50' below the shoe to provide cement across the shoe. If it cannot be set below the shoe, a CBL shall be run to verify cement coverage.

- a. First stage to DV tool:
 - Cement to circulate. If cement does not circulate, contact the appropriate BLM office before proceeding with second stage cement job. Operator should have plans as to how they will achieve circulation or approved top of cement on the next stage.
- b. Second stage above DV tool:
 - Cement to surface. If cement does not circulate see A.1.a, c-d above. **Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst.**

Contingency: If the cement on the 9 5/8" inch intermediate casing doesn't circulate to surface, the 7" inch production casing needs to come to surface and cemented.

Formation below the 9-5/8" shoe to be tested according to Onshore Order 2.III.B.1.i. Test to be done as a mud equivalency test using the mud weight necessary for the pore pressure

of the formation below the shoe (not the mud weight required to prevent dissolving the salt formation) and the mud weight for the bottom of the hole. Report results to BLM office

3. The minimum required fill of cement behind the 7 inch production liner is:

- Cement should tie-back at least **100** feet into previous casing string. Operator shall provide method of verification.

6" hole will be drilled from 17,450'-19,000' and will be open hole completion.

4. If hardband drill pipe is rotated inside casing, returns will be monitored for metal. If metal is found in samples, drill pipe will be pulled and rubber protectors which have a larger diameter than the tool joints of the drill pipe will be installed prior to continuing drilling operations.

B. PRESSURE CONTROL

1. All blowout preventer (BOP) and related equipment (BOPE) shall comply with well control requirements as described in Onshore Oil and Gas Order No. 2 and API RP 53 Sec. 17.

2. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **10,000 (10M) psi. 5M/10M system requires an HCR valve, remote kill line and annular to match. The remote kill line is to be installed prior to testing the system and tested to stack pressure.**

4. The appropriate BLM office shall be notified a minimum of 4 hours in advance for a representative to witness the tests.

a. In a water basin, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. The casing cut-off and BOP installation can be initiated four hours after installing the slips, which will be approximately six hours after bumping the plug. For those casing strings not using slips, the minimum wait time before cut-off is eight hours after bumping the plug. BOP/BOPE testing can begin after cut-off or once cement reaches 500 psi compressive strength (including lead when specified), whichever is greater. However, if the float does not hold, cut-off cannot be initiated until cement reaches 500 psi compressive strength (including lead when specified).

b. The tests shall be done by an independent service company utilizing a test plug **not a cup or J-packer.**

c. The test shall be run on a 5000 psi chart for a 2-3M BOP/BOP, on a 10000 psi chart for a 5M BOP/BOPE and on a 15000 psi chart for a 10M BOP/BOPE. If a linear chart is used, it shall be a one hour chart. A circular chart shall have a maximum 2

hour clock. If a twelve hour or twenty-four hour chart is used, tester shall make a notation that it is run with a two hour clock.

- d. The results of the test shall be reported to the appropriate BLM office.
- e. All tests are required to be recorded on a calibrated test chart. **A copy of the BOP/BOPE test chart and a copy of independent service company test will be submitted to the appropriate BLM office.**
- f. The BOP/BOPE test shall include a low pressure test from 250 to 300 psi. The test will be held for a minimum of 10 minutes if test is done with a test plug and 30 minutes without a test plug. This test shall be performed prior to the test at full stack pressure.
- g. BOP/BOPE must be tested by an independent service company within 500 feet of the top of the **Wolfcamp** formation if the time between the setting of the intermediate casing and reaching this depth exceeds 20 days. This test does not exclude the test prior to drilling out the casing shoe as per Onshore Order No. 2.

C. DRILLING MUD

Mud system monitoring equipment, with derrick floor indicators and visual and audio alarms, shall be operating before drilling into the **Wolfcamp** formation, and shall be used until production casing is run and cemented.

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