

DATE 3/6/2017	SUSPENSE	ENGINEER MAM	LOGGED IN 3/28/2017	TYPE SAD	APP NO. PMAM1708753346
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ABOVE THIS LINE FOR DIVISION USE ONLY

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



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

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 _____

SAD 1531-A
 BTA Oil Production
 260297

well
 - Mesa 8105 1
 SWP SAD #9
 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
 - Sub. Deviation
 46101
 97865

[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 713-655-0346

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
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 x Disposal Storage
Application qualifies for administrative approval? x Yes No
- II. OPERATOR: BTA Oil Producers, LLC
ADDRESS: 104 S. Pecos, Midland, TX 79701
CONTACT PARTY: 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 x No
If yes, give the Division order number authorizing the project: _____
- V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.
- VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.
- VII. Attach data on the proposed operation, including:
1. Proposed average and maximum daily rate and volume of fluids to be injected;
 2. Whether the system is open or closed;
 3. Proposed average and maximum injection pressure;
 4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and,
 5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
- *VIII. Attach appropriate geologic data on the injection zone including appropriate lithologic detail, geologic name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval.
- IX. Describe the proposed stimulation program, if any.
- *X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted).
- *XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
- XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.
- XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.
- XIV. Certification: I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.

NAME: Kayla McConnellTITLE: Regulatory AnalystSIGNATURE: Kayla McConnellDATE: 03/02/2017E-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

WELLBORE SCHEMATICWELL CONSTRUCTION DATASurface 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

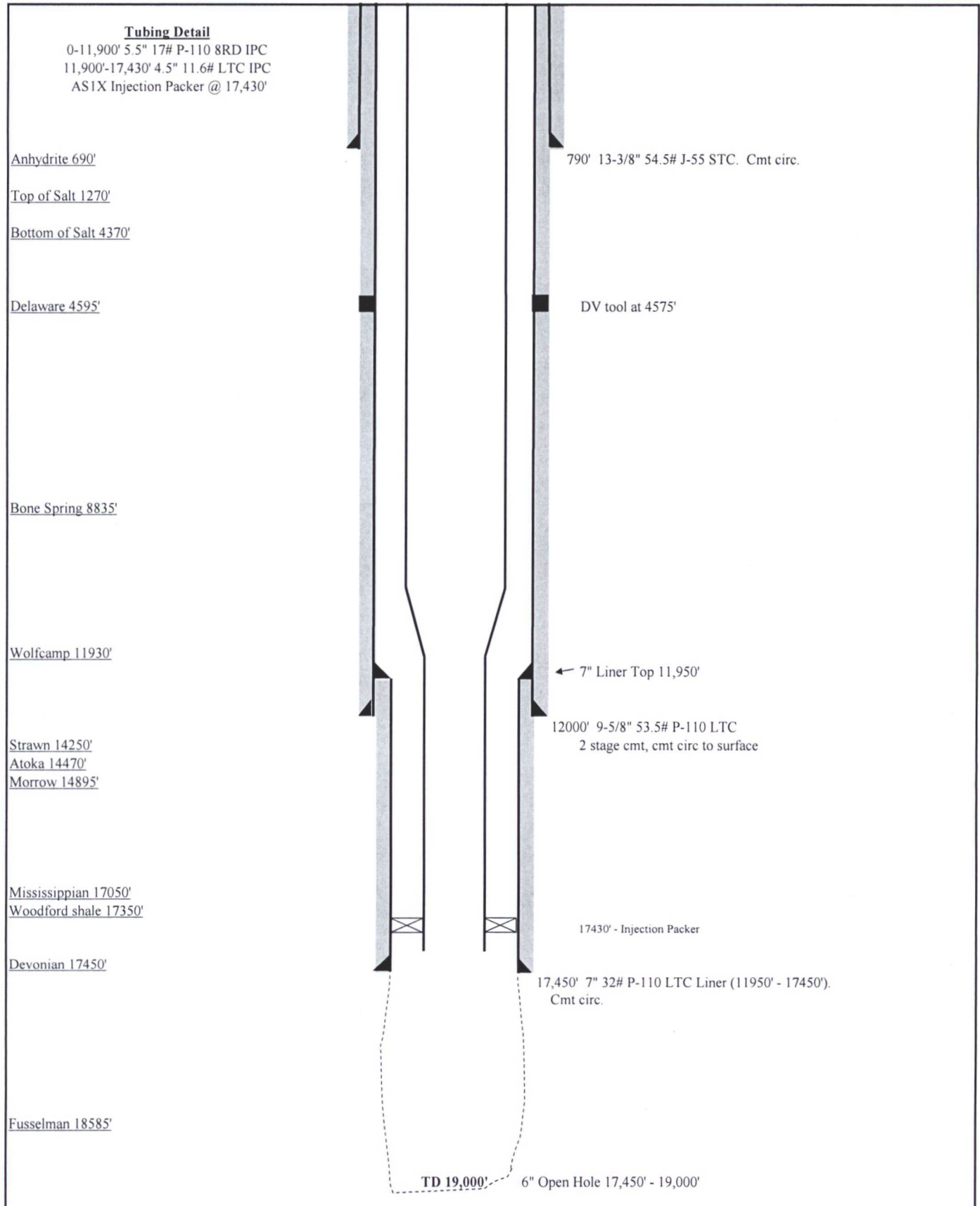
3. Name of Field or Pool (if applicable): _____

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

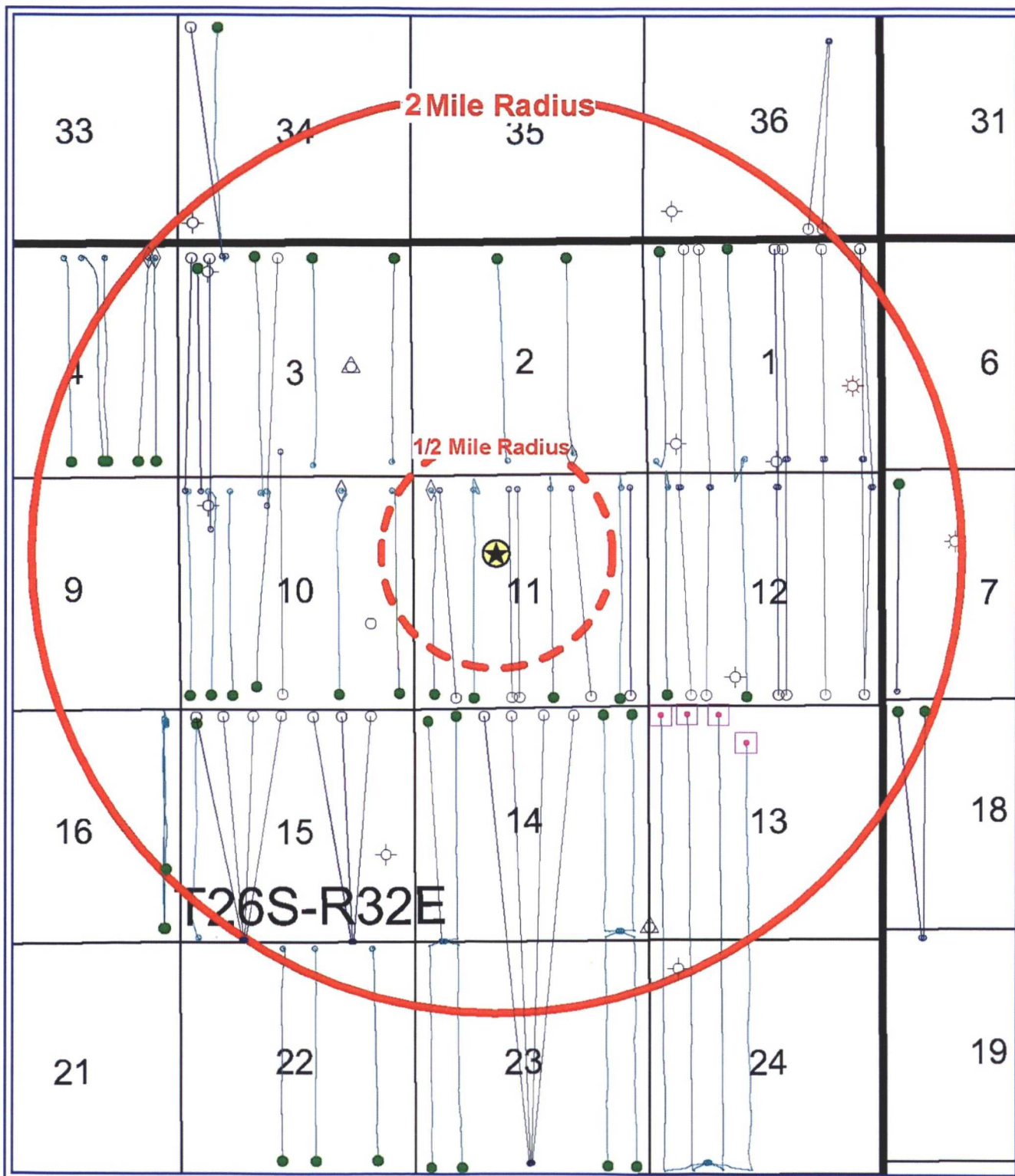
5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: _____

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

Strawn 14250'; Atoka 14470'; Morrow 14895'



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



 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	
0 3,252 6,504 FEET	

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

UWI (APIUM)	OPERATOR	WELL NAME	WELL #	SEC	TWP	RNG	SURFACE FTG CALLS	SURF LAT	SURF LON	BOT LAT	BOT LON	TD	STATUS
30025270790000	DISCOVERY OPER INC	DOI FEDERAL	1	34	255	32E	467'FSL & 330'FWL	32.0808598	-103.6698419			4,650'	DRY
30025082480000	FULLERTON OIL CO	BRADLEY	1	36	255	32E	660'FSL & 660'FWL	32.0814767	-103.6346052			4,953'	DRY
30025428910000	EOG RESOURCES INC	GEM 36 STATE COM	703H	36	255	32E	745'FNL & 1141'FEL	32.0921768	-103.6230035	32.0803522	-103.6235719		LOC
30025428920000	EOG RESOURCES INC	GEM 36 STATE COM	704H	36	255	32E	745'FNL & 1171'FEL	32.0921761	-103.6231004	32.0803468	-103.6246211		LOC
30025127660000	HUMBLE OIL & REFG CO	F L NEWTON	1	1	265	32E	250'FSL & 2390'FEL	32.065673	-103.627022			2,027'	DRY
30025128610000	WOOD ROBERT L ETAL	RICHARDSON-FEDERAL	1	1	265	32E	660'FSL & 660'FWL	32.0668127	-103.6343802			4,900'	DRY
30025276000000	BTX OIL PRODUCERS, LLC	MESA 8105 JV-P	1	1	265	32E	1980'FSL & 660'FEL	32.0704184	-103.6214331			16,100'	GAS
30025276000001	BTX OIL PRODUCERS, LLC	MESA 8105 JV-P	1	1	265	32E	1980'FSL & 660'FEL	32.0704184	-103.6214331			16,100'	GAS
30025428470000	BTX OIL PRODUCERS, LLC	MESA 8105 JV-P	11H	1	265	32E	310'FSL & 2218'FWL	32.065842	-103.6293313	32.0508342	-103.6292623	14,944'	OIL
30025428480000	BTX OIL PRODUCERS, LLC	MESA 8105 JV-P	12H	1	265	32E	310'FSL & 2178'FWL	32.0658367	-103.6263375	32.0509375	-103.6263472		LOC
30025428490000	BTX OIL PRODUCERS, LLC	MESA 8105 JV-P	13H	1	265	32E	310'FSL & 1334'FWL	32.0658319	-103.6236132	32.0509421	-103.6234937		LOC
30025428500000	BTX OIL PRODUCERS, LLC	MESA 8105 JV-P	14H	1	265	32E	310'FSL & 450'FWL	32.0658268	-103.6207597	32.0509452	-103.6206403		LOC
30025428510000	BTX OIL PRODUCERS, LLC	MESA 8105 JV-P	16H	1	265	32E	310'FSL & 2218'FWL	32.0658418	-103.6293324	32.0790891	-103.6297592	14,848'	OIL
30025428520000	BTX OIL PRODUCERS, LLC	MESA 8105 JV-P	17H	1	265	32E	310'FSL & 2138'FWL	32.0658365	-103.6262084	32.0790937	-103.6265163		LOC
30025428530000	BTX OIL PRODUCERS, LLC	MESA 8105 JV-P	18H	1	265	32E	310'FSL & 1294'FWL	32.0658316	-103.623484	32.0790806	-103.6236629		LOC
30025428540000	BTX OIL PRODUCERS, LLC	MESA 8105 JV-P	19H	1	265	32E	310'FSL & 410'FWL	32.0658265	-103.6206306	32.0790959	-103.6208091		LOC
30025412900000	BTX OIL PRODUCERS, LLC	MESA 8105 JV-P	3H	1	265	32E	265'FSL & 205'FWL	32.0657294	-103.6358277	32.0789366	-103.6355155	14,361'	OIL
30025399470000	EOG Y RESCS INC	QUOTIE BOJ STATE COM	1H	2	265	32E	480'FSL & 1650'FWL	32.06627	-103.641827	32.0785607	-103.6424151	13,428'	OIL
30025399470000	EOG Y RESCS INC	QUOTIE BOJ STATE COM	1H	2	265	32E	480'FSL & 1650'FWL	32.06627	-103.641827	32.0660938	-103.6419757	10,296'	PILOT
30025400010000	EOG Y RESCS INC	ZAPATA BOJ STATE COM	1H	2	265	32E	330'FSL & 2180'FWL	32.0658106	-103.6466863	32.078551	-103.6474562	13,660'	OIL
30025399300000	BLACKROCK OIL CO	UNION-FEDERAL	1	3	265	32E	660'FNL & 660'FWL	32.0777629	-103.6687889			4,690'	DRY
30025412080000	COG OPERATING LLC	PINTAIL 3 FEDERAL SWD	1	3	265	32E	2500'FSL & 1400'FWL	32.0716989	-103.6582793			6,613'	SRV
30025429090000	MEWBOURNE OIL CO	RED HILLS WEST UNIT	16H	3	265	32E	550'FSL & 2310'FWL	32.0663754	-103.6635129	32.0510697	-103.6634203		LOC
30025406840000	COG PRODUCTION LLC	PINTAIL 3 FED	1H	3	265	32E	260'FSL & 2290'FWL	32.0655368	-103.6611134	32.078604	-103.6611711	14,007'	OIL
30025433620000	MEWBOURNE OIL CO	JENNINGS 34 W1MD FEDERAL COM	1H	3	265	32E	300'FNL & 1070'FWL	32.0787536	-103.6674622	32.0931595	-103.6680734	17,200'	OIL
30025406850000	COG PRODUCTION LLC	PINTAIL 3 FEDERAL	2H	3	265	32E	330'FSL & 480'FWL	32.0657395	-103.6552721	32.0786822	-103.6548688	14,000'	OIL
30025433740000	MEWBOURNE OIL CO	JENNINGS 34 A3MD FEDERAL COM	2H	3	265	32E	330'FNL & 990'FWL	32.0787534	-103.6677205	32.0931818	-103.6699354		LOC
30025404740000	CIMAREX ENERGY OF CO	HALLERTAU 4 FEDERAL	3H	4	265	32E	330'FNL & 2180'FWL	32.0786434	-103.6779547	32.065819	-103.6763379	13,948'	OIL
30025404750000	CIMAREX ENERGY OF CO	HALLERTAU 4 FEDERAL	4H	4	265	32E	330'FNL & 660'FWL	32.0786606	-103.6730476			8,976'	PILOT
30025404750100	CIMAREX ENERGY OF CO	HALLERTAU 4 FEDERAL	4H	4	265	32E	330'FNL & 660'FWL	32.0786606	-103.6730476	32.065798	-103.6737861	13,484'	OIL
30025404760000	CIMAREX ENERGY OF CO	HALLERTAU 4 FEDERAL	7H	4	265	32E	330'FNL & 1650'FWL	32.0786493	-103.6762435	32.0658011	-103.6760146	15,169'	OIL
30025404770000	CIMAREX ENERGY OF CO	HALLERTAU 4 FEDERAL	8H	4	265	32E	330'FNL & 510'FWL	32.0786623	-103.6725633			11,250'	PILOT
30025404770100	CIMAREX ENERGY OF CO	HALLERTAU 4 FEDERAL	8H	4	265	32E	330'FNL & 510'FWL	32.0786623	-103.6725633	32.0657735	-103.6725758	15,202'	OIL
30025418780000	CIMAREX ENERGY OF CO	HALLERTAU 4 FEDERAL	9H	4	265	32E	330'FNL & 2570'FWL	32.0786388	-103.6792135	32.0657606	-103.6786405	13,863'	OIL
30025082540000	MARSH C E II	FED-HALL	1	10	265	32E	660'FNL & 660'FWL	32.0629939	-103.6688136			4,590'	DRY
30025413250000	COG OPERATING LLC	BUFFLEHEAD 10 FEDERAL SWD	1	10	265	32E	1980'FSL & 990'FWL	32.0555332	-103.6568737				LOC
30025433060000	MEWBOURNE OIL CO	RED HILLS WEST UNIT	015H	10	265	32E	665'FNL & 1985'FWL	32.0629879	-103.6645367	32.0786089	-103.6636612		LOC
30025434280000	MEWBOURNE OIL CO	RED HILLS WEST UNIT	017H	10	265	32E	1200'FNL & 710'FWL	32.0615098	-103.6686399	32.0785909	-103.6686402		LOC
30025423360000	MEWBOURNE OIL CO	RED HILLS WEST UNIT	11H	10	265	32E	330'FNL & 215'FWL	32.0638982	-103.6702575	32.0510261	-103.6704211	13,450'	OIL
30025424170000	MEWBOURNE OIL CO	RED HILLS WEST UNIT	12H	10	265	32E	330'FNL & 660'FWL	32.063901	-103.6688212	32.0510416	-103.6685655	13,685'	OIL
30025429080000	MEWBOURNE OIL CO	RED HILLS WEST UNIT	13H	10	265	32E	330'FNL & 150'FWL	32.0639445	-103.6704698	32.0786359	-103.6699466		LOC
30025399110000	MEWBOURNE OIL CO	RED HILLS WEST 10 FED	1H	10	265	32E	330'FNL & 1980'FWL	32.0639088	-103.6645604	32.0515681	-103.6652745	13,678'	OIL
30025404230000	COG PRODUCTION LLC	BUFFLEHEAD 10 FEDERAL	1H	10	265	32E	330'FNL & 1650'FWL	32.0639186	-103.6590391			9,900'	PILOT
30025404230100	COG PRODUCTION LLC	BUFFLEHEAD 10 FEDERAL	1H	10	265	32E	330'FNL & 1650'FWL	32.0639186	-103.6590391	32.0510053	-103.6589849	13,930'	OIL
30025405940000	COG PRODUCTION LLC	BUFFLEHEAD 10 FEDERAL	2H	10	265	32E	330'FNL & 480'FWL	32.0639253	-103.6552627	32.0511079	-103.6546871	13,860'	OIL
30025406870000	MEWBOURNE OIL CO	RED HILLS WEST UNIT 3	4H	10	265	32E	370'FNL & 1840'FWL	32.0637979	-103.6650114	32.0787281	-103.6653789	14,761'	OIL
30025411360000	MEWBOURNE OIL CO	RED HILLS WEST UNIT	5H	10	265	32E	330'FNL & 500'FWL	32.0638999	-103.6693376	32.0779808	-103.6694979	15,650'	OIL
30025418490000	MEWBOURNE OIL CO	RED HILLS WEST UNIT	7H	10	265	32E	330'FNL & 1150'FWL	32.0639039	-103.6672395	32.0510223	-103.6670255	13,403'	OIL
30025428410000	BTX OIL PRODUCERS, LLC	MESA SWD 8105 JV-P	1W	11	265	32E	1800'FNL & 1900'FWL	32.0599468	-103.6475644				REC-LOC
30025428550000	BTX OIL PRODUCERS, LLC	MESA 8105 JV-P	20H	11	265	32E	330'FNL & 630'FWL	32.0639477	-103.6516799	32.0507919	-103.6505213		LOC
30025428560000	BTX OIL PRODUCERS, LLC	MESA 8105 JV-P	21H	11	265	32E	330'FNL & 2398'FWL	32.0640031	-103.6459735	32.0508391	-103.6458767		LOC

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

UWI (APINUM)	OPERATOR	WELL NAME	WELL #	SEC	TWP	RNG	SURFACE FTG CALLS	SURF LAT	SURF LON	BOT LAT	BOT LON	TD	STATUS
30025428570000	BTA OIL PRODUCERS, LLC	MESA 8105 JV-P	22H	11	26S	32E	330°FNL & 600°FEL	32.0640762	-103.6384116	32.0507428	-103.6385368	14,554'	OIL
30025412890300	BTA OIL PRODUCERS, LLC	MESA 8105 JV-P	2H	11	26S	32E	330°FNL & 430°FEL	32.0639415	-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°FEL	32.0639772	-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°FEL	32.0639969	-103.646619	32.0508334	-103.6464315		LOC
30025428440000	BTA OIL PRODUCERS, LLC	MESA 8105 JV-P	6H	11	26S	32E	330°FNL & 2198°FEL	32.0640264	-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	32.0640414	-103.6420265	32.0508841	-103.6406355		LOC
30025428460000	BTA OIL PRODUCERS, LLC	MESA 8105 JV-P	8H	11	26S	32E	330°FNL & 400°FEL	32.0640824	-103.637766	32.0509183	-103.6377806		LOC
30025082550000	HOMESTEAD OIL & GAS	CLIFFORD	1	12	26S	32E	660°FSL & 1980°FEL	32.0520866	-103.6300849			4,868'	DRY
30025429600000	BTA OIL PRODUCERS, LLC	MESA 8105 JV-P	10H	12	26S	32E	330°FNL & 1400°FEL	32.0640872	-103.6319561	32.0509297	-103.6322159		LOC
30025429610000	BTA OIL PRODUCERS, LLC	MESA 8105 JV-P	15H	12	26S	32E	330°FNL & 1440°FEL	32.064087	-103.6318269	32.079079	-103.6326289		LOC
30025429620000	BTA OIL PRODUCERS, LLC	MESA 8105 JV-P	23H	12	26S	32E	330°FNL & 710°FEL	32.064091	-103.6341832	32.0509404	-103.6333267		LOC
30025429510000	BTA OIL PRODUCERS, LLC	MESA 8105 JV-P	24H	12	26S	32E	330°FNL & 2390°FEL	32.0640786	-103.6270235	32.0509368	-103.6326924		LOC
30025429520000	BTA OIL PRODUCERS, LLC	MESA 8105 JV-P	25H	12	26S	32E	330°FNL & 250°FEL	32.0640664	-103.620116	32.0509377	-103.620662		LOC
30025429630000	BTA OIL PRODUCERS, LLC	MESA 8105 JV-P	26H	12	26S	32E	330°FNL & 750°FEL	32.0640908	-103.6340541	32.0790883	-103.6337394		LOC
30025429640000	BTA OIL PRODUCERS, LLC	MESA 8105 JV-P	27H	12	26S	32E	330°FNL & 2350°FEL	32.0640784	-103.6268944	32.0790955	-103.6270929		LOC
30025429650000	BTA OIL PRODUCERS, LLC	MESA 8105 JV-P	28H	12	26S	32E	330°FNL & 210°FEL	32.0640661	-103.6199869	32.0790892	-103.6208137		LOC
30025429670000	BTA OIL PRODUCERS, LLC	MESA 8105 JV-P	9H	12	26S	32E	330°FNL & 470°FEL	32.0640923	-103.6349579	32.0509723	-103.6350856	14,600'	OIL
30025423540000	CHEVRON U S A INC	SALADO DRAW SWD 13	1	13	26S	32E	290°FSL & 10°FEL	32.0363192	-103.6364428			18,675'	SRV
30025428000000	CHEVRON U S A INC	SD WE 14 FED P5	1H	14	26S	32E	10°FSL & 623°FEL	32.0354693	-103.6516458	32.0493267	-103.6526363	13,887'	OIL
30025428020000	CHEVRON U S A INC	SD WE 23 FEDERAL P5	1H	14	26S	32E	10°FSL & 648°FEL	32.0354697	-103.6515651	32.0212174	-103.6525024	13,862'	OIL
30025428010000	CHEVRON U S A INC	SD WE 14 FED P5	2H	14	26S	32E	10°FSL & 673°FEL	32.0354701	-103.6514844	32.0496461	-103.6505147	13,917'	OIL
30025428030000	CHEVRON U S A INC	SD WE 23 FEDERAL P5	2H	14	26S	32E	10°FSL & 698°FEL	32.0354705	-103.6514038	32.0212093	-103.6501996	13,891'	OIL
30025430860000	CHEVRON U S A INC	SD WE 14 FED P7	3H	14	26S	32E	215°FSL & 698°FEL	32.0361012	-103.6387273	32.0497027	-103.6397584	13,803'	OIL
30025430880000	CHEVRON U S A INC	SD WE 23 FED P7	3H	14	26S	32E	215°FSL & 673°FEL	32.0361016	-103.6386466	32.0212952	-103.6395676	14,043'	OIL
30025430870000	CHEVRON U S A INC	SD WE 14 FED P7	4H	14	26S	32E	215°FSL & 648°FEL	32.036102	-103.6385659	32.0497286	-103.6376632	13,816'	OIL
30025430890000	CHEVRON U S A INC	SD WE 23 FED P7	4H	14	26S	32E	215°FSL & 623°FEL	32.0361025	-103.6384853	32.0212788	-103.6374662	14,002'	OIL
30025082560000	BROWN TOM-KRUG WALTR	BEN-FEDERAL	1	15	26S	32E	2004°FSL & 666°FEL	32.0409454	-103.6558053			4,649'	DRY
30025435940000	CHEVRON U S A INC	SD WE 15 FEDERAL P12	002H	15	26S	32E	52°FSL & 1410°FEL	32.0356081	-103.6663783	32.0496661	-103.6677823		LOC
30025435950000	CHEVRON U S A INC	SD WE 15 FEDERAL P12	003H	15	26S	32E	57°FSL & 1435°FEL	32.0356216	-103.6662976	32.0496907	-103.6656133		LOC
30025436400000	CHEVRON U S A INC	SD WE 15 FED P9	005H	15	26S	32E	12°FSL & 1471°FEL	32.0354769	-103.6584026	32.0496311	-103.6611589		LOC
30025436410000	CHEVRON U S A INC	SD WE 15 FED P9	006H	15	26S	32E	12°FSL & 1446°FEL	32.0354766	-103.6583322	32.0496447	-103.6590675		LOC
30025436420000	CHEVRON U S A INC	SD WE 15 FEDERAL P9	007H	15	26S	32E	12°FSL & 1421°FEL	32.0354764	-103.6582413	32.0496582	-103.6568987		LOC
30025406020000	CHEVRON U S A INC	KIEHNE RANCH 15-26-32 USA	1H	15	26S	32E	100°FSL & 400°FEL	32.0357486	-103.6696366	32.0492331	-103.6697016	14,100'	OIL
30025436130000	CHEVRON U S A INC	SD WE 15 FED P12	1H	15	26S	32E	52°FSL & 1385°FEL	32.0356083	-103.666459	32.0496414	-103.6697428		LOC
30025435960000	CHEVRON U S A INC	SD WE 15 FED P12	4H	15	26S	32E	52°FSL & 1460°FEL	32.0356076	-103.666217	32.0496932	-103.6635221		LOC
30025417080000	CONOCOPHILLIPS CO	RED HILLS WEST 16 STATE W2	10H	16	26S	32E	283°FNL & 330°FEL	32.0493556	-103.6719069	32.0363427	-103.6719466	17,264'	OIL
30025417070000	CONOCOPHILLIPS CO	RED HILLS WEST 16 STATE W1	11H	16	26S	32E	316°FNL & 330°FEL	32.0492649	-103.6719074	32.0363361	-103.6720411	16,702'	OIL
30025417060000	CONOCOPHILLIPS CO	RED HILLS WEST 16 STATE TC	12H	16	26S	32E	349°FNL & 330°FEL	32.0491742	-103.671908	32.0363352	-103.6720319	15,333'	OIL
30025417090000	CONOCOPHILLIPS CO	RED HILLS WEST 16 STATE W3	9H	16	26S	32E	250°FNL & 330°FEL	32.0494463	-103.6719063	32.0400573	-103.6719058	16,333'	OIL
30025406070000	MEWBOURNE OIL CO	RED HILLS WEST 22 CN FEDERAL COM	1H	22	26S	32E	150°FNL & 2310°FEL	32.0350452	-103.6634743	32.0216866	-103.6635743	13,615'	OIL
30025406080000	MEWBOURNE OIL CO	RED HILLS WEST 22 AP FEDERAL COM	1H	22	26S	32E	150°FNL & 990°FEL	32.0350275	-103.6568519	32.021676	-103.6564282	13,998'	OIL
30025411350000	MEWBOURNE OIL CO	RED HILLS WEST 22 BO FEDERAL COM	1H	22	26S	32E	150°FNL & 2310°FEL	32.0350388	-103.6611112	32.0216589	-103.6609866	13,960'	OIL
30025434600000	CHEVRON U S A INC	SD WE 23 FED P25	001H	23	26S	32E	260°FSL & 2603°FEL	32.0214581	-103.6453018	32.0496391	-103.648471		LOC
30025434610000	CHEVRON U S A INC	SD WE 23 FED P25	002H	23	26S	32E	260°FSL & 2628°FEL	32.0214585	-103.6452211	32.0496504	-103.6464701		LOC
30025434620000	CHEVRON U S A INC	SD WE 23 FED P25	3H	23	26S	32E	260°FSL & 2653°FEL	32.021486	-103.645163	32.0496917	-103.6441335		LOC
30025434630000	CHEVRON U S A INC	SD WE 23 FED P25	4H	23	26S	32E	260°FSL & 2678°FEL	32.021486	-103.645082	32.049685	-103.641919		LOC
30025204480000	GULF OIL CORP	LITTLEFIELD-FRAL DR	2	24	26S	32E	660°FNL & 660°FEL	32.0337081	-103.634351			4,645'	DRY
30025433180000	CHEVRON U S A INC	SD WE 24 FEDERAL P23	1H	24	26S	32E	260°FSL & 1283°FEL	32.0214932	-103.6323785	32.0496866	-103.6355565	19,366'	WOC
30025432960000	CHEVRON U S A INC	SD WE 24 FED P23	2H	24	26S	32E	260°FSL & 1308°FEL	32.0214932	-103.6322978	32.0497297	-103.6336244	19,261'	WOC
30025432970000	CHEVRON U S A INC	SD WE 24 FED P23	3H	24	26S	32E	260°FSL & 1333°FEL	32.0214931	-103.6322172	32.0496909	-103.6313275	19,261'	WOC
30025432980000	CHEVRON U S A INC	SD WE 24 FED P23	4H	24	26S	32E	260°FSL & 1358°FEL	32.021493	-103.6321365	32.0479252	-103.6293016	18,709'	WOC
30025306620000	BTA OIL PRODUCERS, LLC	MESA 8105 JV-P	1	7	26S	33E	1650°FNL & 1650°FEL	32.0606247	-103.6139864			13,900'	GAS
30025412180000	BTA OIL PRODUCERS, LLC	8115 JV-P MESA B COM	5H	7	26S	33E	190°FSL & 330°FEL	32.0511543	-103.6182868	32.0642492	-103.6180703	13,777'	OIL
30025421590000	CHEVRON U S A INC	SALADO DRAW 18 26 33 FEDERAL	1H	19	26S	33E	200°FNL & 873°FEL	32.0355911	-103.6165547	32.0498626	-103.6182092	14,042'	OIL
30025426600000	CHEVRON U S A INC	SALADO DRAW 18 26 33 FEDERAL	2H	19	26S	33E	200°FNL & 923°FEL	32.0355915	-103.6163934	32.0498678	-103.6162567	14,135'	OIL

1/2 Mile Radius Well Data

UWI (API#)	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 BOZ 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'FWL	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'FWL	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 PBD	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" 9-5/8" 7" 6" proposed	790' 1200' 17450' 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" 13-3/8" 9-5/8" 5-1/2"	40' 765' 4785' 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" 9-5/8" 5-1/2"	924' 4532' 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" 9-5/8" 5-1/2"	801' 4570' 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" 9-5/8" 5-1/2" proposed	790' 4600' 14104' 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" 9-5/8" 5-1/2"	750' 4500' 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" 9-5/8" 5-1/2" proposed	790' 4610' 14121' 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" 9-5/8" 5-1/2" proposed	820' 4533' 16230' 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" 9-5/8" 5-1/2" proposed	790' 4587' 16219' 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

Form C-103
October 13, 2009

HOBBES OGD

OIL CONSERVATION DIVISION

JUL 29 2011

1220 South St. Francis Dr.
Santa Fe, NM 87505

RECEIVED

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)		WELL API NO. 30-025-40001
1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐		5. Indicate Type of Lease STATE ☒ FEE ☐
2. Name of Operator Yates Petroleum Corporation		6. State Oil & Gas Lease No. VB-853
3. Address of Operator 105 South Fourth Street, Artesia, NM 88210		7. Lease Name or Unit Agreement Name Zapata BQZ State Com
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		8. Well Number 1H
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3256'GR		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 ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
DOWNHOLE COMMINGLE ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐

OTHER: ☐

OTHER: Production casing ☒

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 + 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
For State Use Only

APPROVED BY: [Signature] TITLE PETROLEUM ENGINEER DATE AUG 01 2011
Conditions of Approval (if any):

P. O. BOX 1468
MCKINNEY, TEXAS 75069
PH: 943-3234 OR 683-1040

Martin Water Laboratories, Inc.

709 W. INDIANA
MIDLAND, TEXAS 79701
PHONE 683-4521

RESULT OF WATER ANALYSES

TO: Mr. Tom Williams LABORATORY NO. 89713
104 South Pecos, Midland, TX 79701-5099 SAMPLE RECEIVED 8-5-97
RESULTS REPORTED 8-6-97

COMPANY BTA Oil Producers LEASE Mesa #1 8105

FIELD OR POOL _____

SECTION 1 BLOCK 26 SURVEY 26S&R-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	7,483			
Sulfate as SO ₄	48			
Chloride as Cl	11,786			
Iron as Fe	371			
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			
Residual Chlorine 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.

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

WATER SAMPLE REPRESENTATIVE OF WATER BEING INJECTED INTO THE PROPOSED SWD WELL

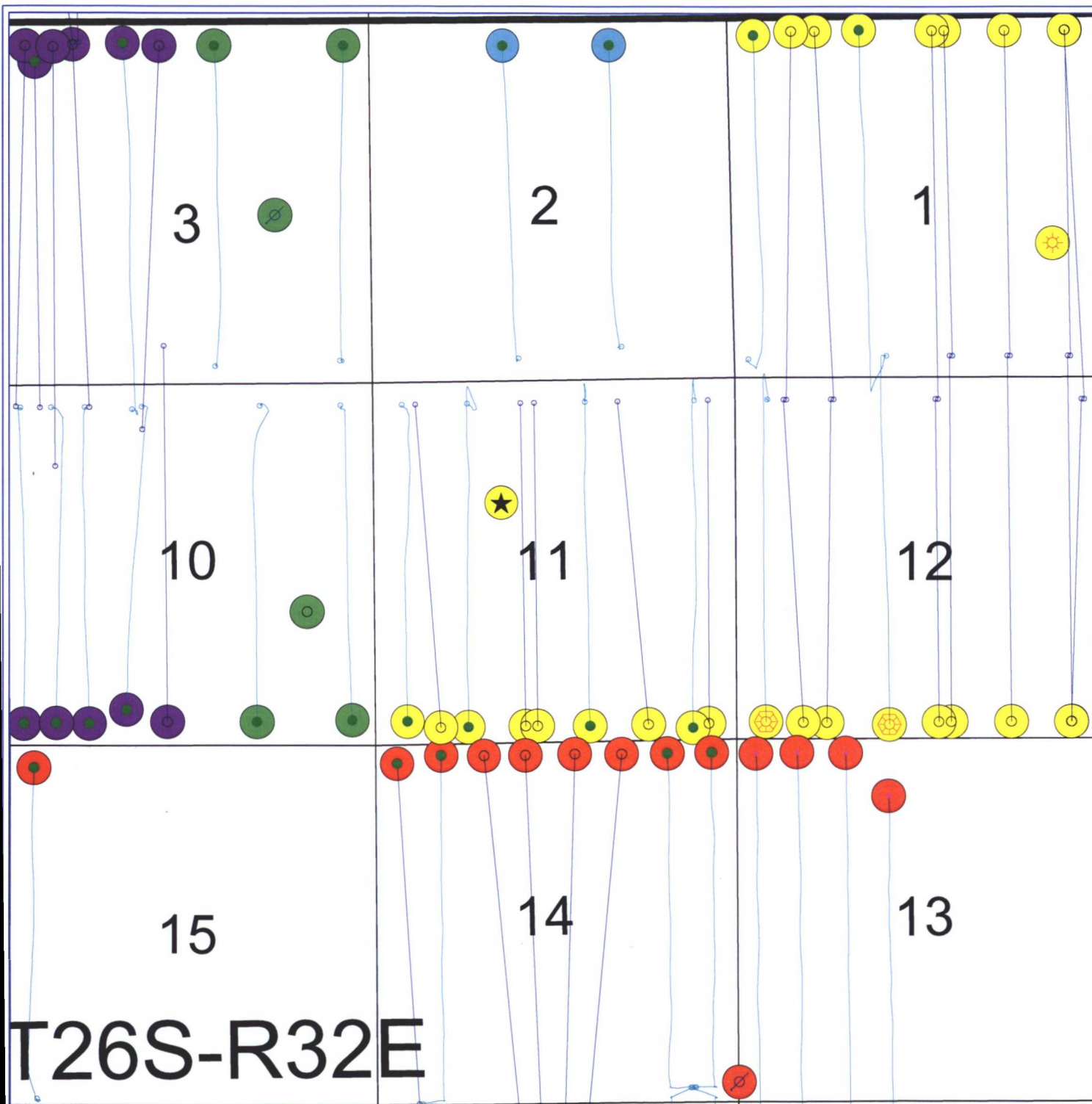
Water is very similar to that of the receiving formation, therefore no compatibility problems are expected.

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

[illegible]

Bone Spring Produced Water

112



 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

Subsea Depth (ft)
-13900

-14000

-14100

-14200

-14300

-14400

-14500

-14600

-14700

-14800

-14900

-15000

-15100

-15200

-15300

-15400

-15500

-15600

-15700

-15800

HS=32.40
PETRA 2/19/2017 3:02 PM

CHEVRON USA INC
SALADO DRAW SWD 13

1

DEVONIAN

BTA OIL PRODUCERS, LLC
MESA SWD 8105 JV-P

1W



CIMAREX ENERGY CO OF COLORADO
RED HILLS UNIT

3



DEVONIAN

Subsea Depth (ft)
-13900

-14000

-14100

-14200

-14300

-14400

-14500

-14600

-14700

-14800

-14900

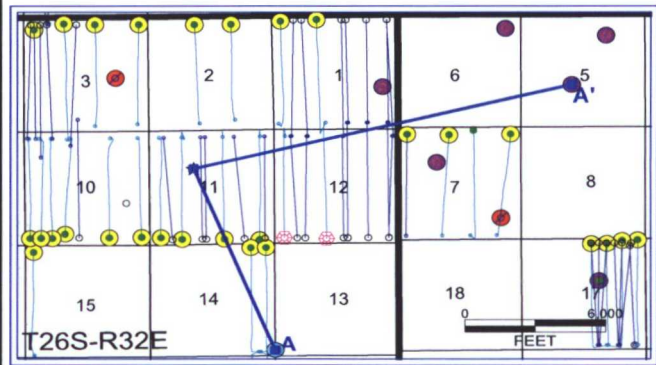
-15000

-15100

-15200

-15300

-15400



BTA OIL PRODUCERS, LLC

8105 JV-P Mesa SWD #1W

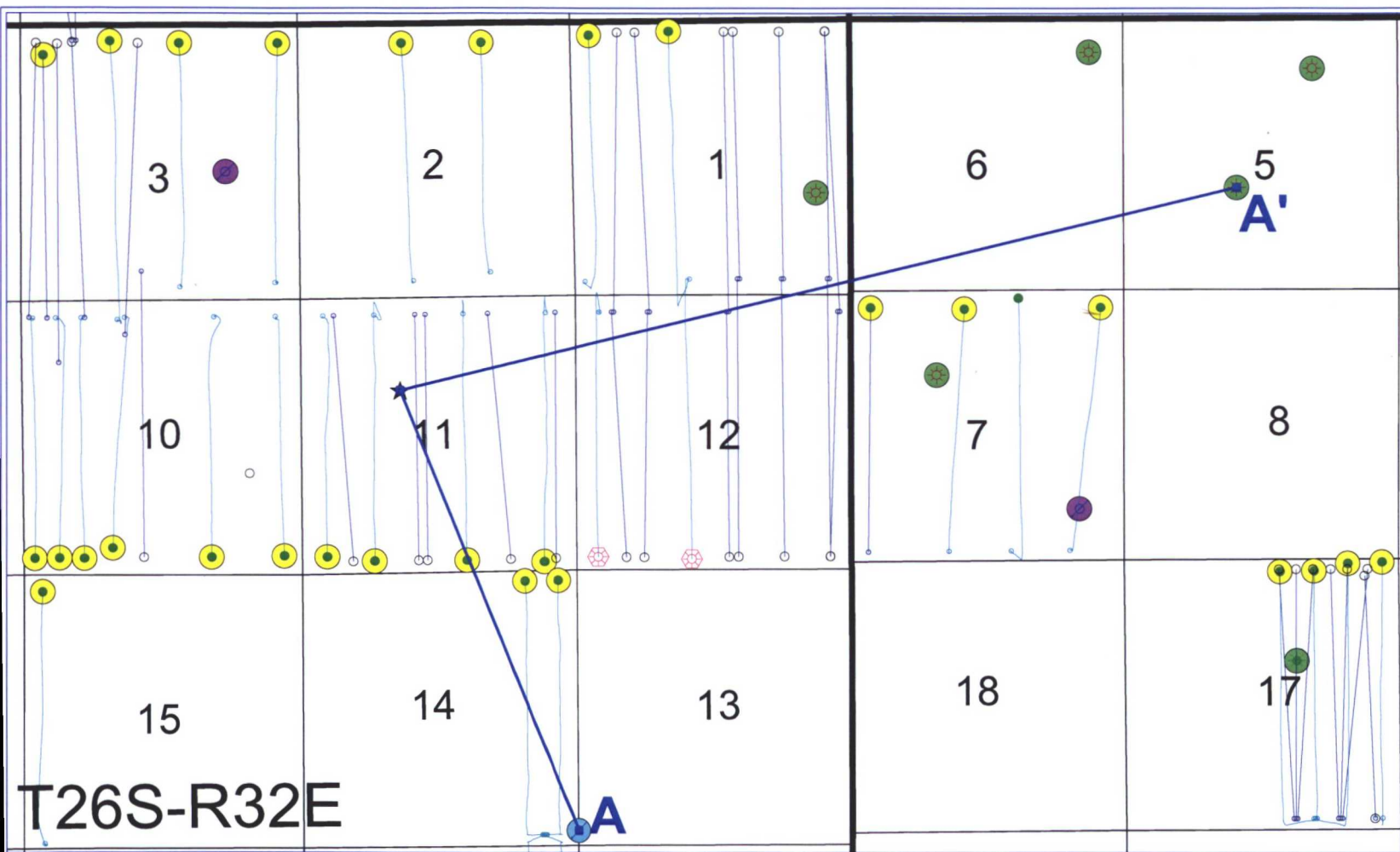
A - A' Stratigraphic Cross Section

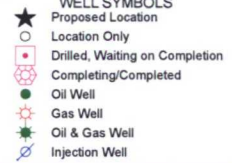
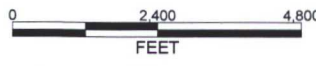
Devonian

TOPS AND MARKERS
DEVONIAN

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

By: JHB



 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 "WOLF CAMP" 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	
	
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.

{acre ft per annum)

(R=POD has been replaced
and no longer serves this file
C=the file is closed)

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

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

WR File Nbr	Sub basin	Use	Diversion	Owner	County	POD Number	Code	Grant	Source	6416	4	Sec	2ws	Rng	X	Y
<u>C 02271</u>	CUB	PDL	3	OLIVER KIEHNE	LE	<u>C 02271</u>	R		Shallow	2	3	21	26S	32E	624449	3544111*
					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*
C 03829	CUB	EXP	0	GREGORY ROCKHOUSE RANCH INC	LE	C 03829 POD1	NON		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	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	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
713-858-0077 FAX 713-855-0346

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 ½ 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

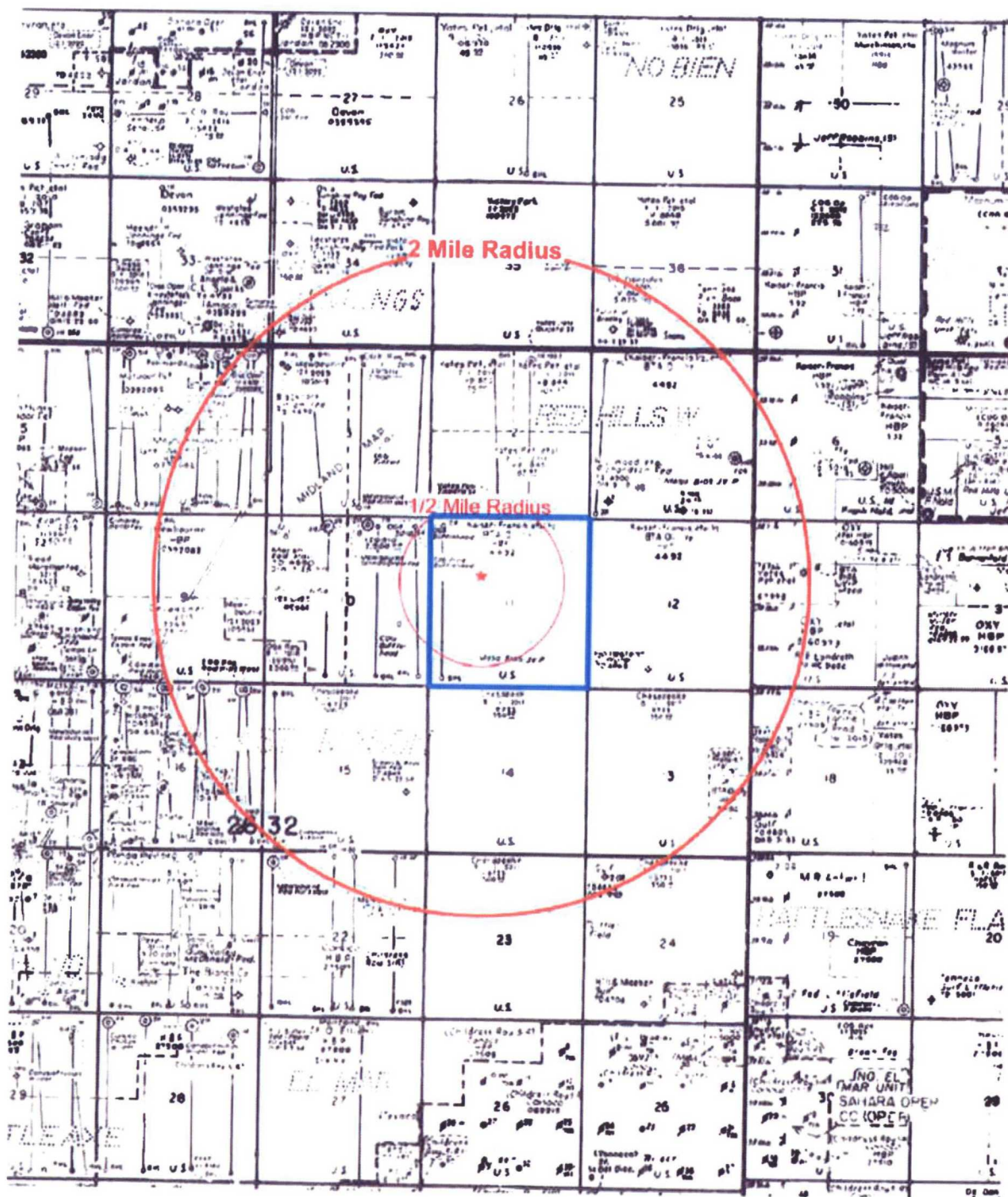
Lessor: Unites States of America

Lessee: Lester Alston

Royalty: 12.5%

Attachment: Map

MTM





BTA OIL PRODUCERS, LLC

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

Ownership

Working Interest

Owner Information

COG Production LLC
600 W. Illinois Ave
One Concho Center
Midland, TX 79701

Interest

100%

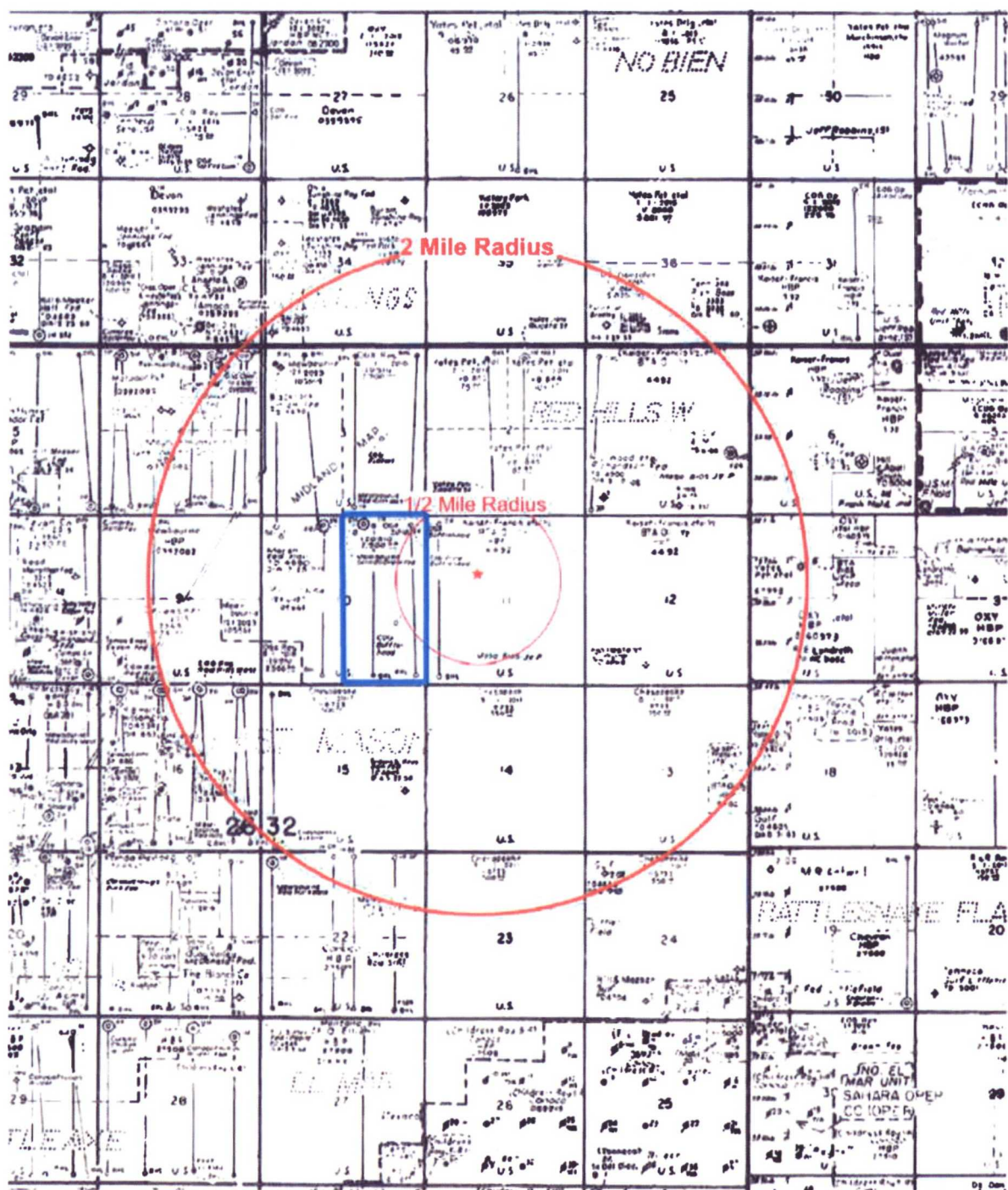
Leasehold Estate

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

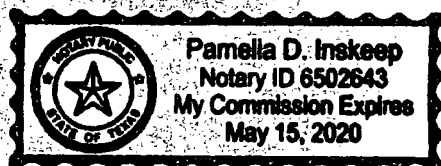
Attachment to C-108

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

Affidavit of Publication

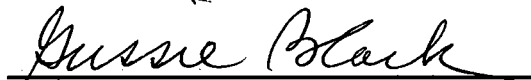
STATE OF NEW MEXICO
COUNTY OF LEA

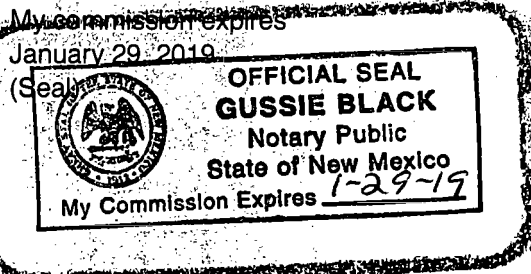
I, Daniel Russell, Publisher of the Hobbs News-Sun, a newspaper published at Hobbs, New Mexico, solemnly swear that the clipping attached hereto was published in the regular and entire issue of said newspaper, and not a supplement thereof for a period of 1 issue(s).

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



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-7108 (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

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

2. Article Number (Transfer from service label)

PS Form 3811, July 2015 PSN 7530-01 0640 0001 5098 2259

SENDER: COMPLETE THIS SECTION

1. Complete items 1, 2, and 3.
2. Print your name and address on the reverse so that we can return the card to you.
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1. Article Addressed to:

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

2. Article Number (Transfer from service label)

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1. Article Addressed to:

WTG Exploration Inc
401 W Wadley Ave
Midland, TX 79705

2. Article Number (Transfer from service label)

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2. Print your name and address on the reverse so that we can return the card to you.
3. 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 2015 PSN 7530-01 0640 0001 5098 2273

7015 0640 0001 5098 2327

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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 2015 PSN 7530-01 0640 0001 5098 2327

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3. 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 2015 PSN 7530-01 0640 0001 5098 2327

7015 0640 0001 5098 2303

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Article Number (Transfer from service label)

1. Article Addressed to:

Pioneer Exploration LTD
15603 Kuyhendahl #219
Houston, TX 77090

2. Article Number (Transfer from service label)

PS Form 3811, July 2015 PSN 7530-01 0640 0001 5098 2303

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

1. Article Addressed to:

Pioneer Exploration LTD
15603 Kuyhendahl #219
Houston, TX 77090

2. Article Number (Transfer from service label)

PS Form 3811, July 2015 PSN 7530-01 0640 0001 5098 2303

7015 0640 0001 5098 2297

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Certified Mail Fee
☐ Return Receipt (hardcopy) \$2.80
☐ Return Receipt (electronic) \$3.35
☐ Certified Mail Restricted Delivery \$3.75
☐ Adult Signature Required
☐ Adult Signature Restricted Delivery \$4.15

Postage
 \$7.08

Total Postage and Fee
 \$9.88

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

Street and Apt. No.
 City, State, ZIP+4®

PS Form 3800, 4

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:
 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

COMPLETE THIS SECTION ON DELIVERY

A. Signature
 x B. Received by (Printed Name)
 C. Date of Delivery
 D. Is delivery address different from item 1? ☐ Yes ☐ No
 If YES, enter delivery address below:

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 (over \$500)
☐ Insured Mail Restricted Delivery (over \$500)

☐ Priority Mail Express®
☐ Registered Mail™
☐ Registered Mail Restricted Delivery
☐ Return Receipt for Merchandise
☐ Signature Confirmation™
☐ Signature Confirmation Restricted Delivery

PS Form 3811, July 2015 PSN 7530-02-1

7015 0640 0001 5098 2280

U.S. Postal Service
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 Domestic Mail Only

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

OFFICIAL USE

Certified Mail Fee
☐ Return Receipt (hardcopy) \$2.80
☐ Return Receipt (electronic) \$3.35
☐ Certified Mail Restricted Delivery \$3.75
☐ Adult Signature Required
☐ Adult Signature Restricted Delivery \$4.15

Postage
 \$8.73

Total Postage and Fee
 \$12.08

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

Street and Apt. No.
 City, State, ZIP+4®

PS Form 3800, 4

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

2. Article Number (Transfer from service label)

PS Form 3811, July 2015 PSN 1

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PS Form 3811, July 2015 PSN 1

7015 0640 0001 5098 2310

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

OFFICIAL USE

Certified Mail Fee
☐ Return Receipt (hardcopy) \$2.80
☐ Return Receipt (electronic) \$3.35
☐ Certified Mail Restricted Delivery \$3.75
☐ Adult Signature Required
☐ Adult Signature Restricted Delivery \$4.15

Postage
 \$8.13

Total Postage and Fee
 \$11.48

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

Street and Apt. No.
 City, State, ZIP+4®

PS Form 3800, 4

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 P.O. Box 5270
 Hobbs, NM 88241

2. Article Number (Transfer from service label)

PS Form 3811, July 2015 PSN 751

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 D. Is delivery address different from item 1? ☐ Yes ☐ No
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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 (over \$500)
☐ Insured Mail Restricted Delivery (over \$500)

☐ Priority Mail Express®
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PS Form 3811, July 2015 PSN 751

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OFFICIAL USE

Certified Mail Fee
☐ Return Receipt (hardcopy) \$2.80
☐ Return Receipt (electronic) \$3.35
☐ Certified Mail Restricted Delivery \$3.75
☐ Adult Signature Required
☐ Adult Signature Restricted Delivery \$4.15

Postage
 \$6.13

Total Postage and Fee
 \$9.48

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

Street and Apt. No.
 City, State, ZIP+4®

PS Form 3800, 4

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

2. Article Number (Transfer from service label)

PS Form 3811, July 2015

COMPLETE THIS SECTION ON DELIVERY

A. Signature
 x B. Received by (Printed Name)
 C. Date of Delivery
 D. Is delivery address different from item 1? ☐ Yes ☐ No
 If YES, enter delivery address below:

3. Service Type
☐ Adult Signature
☐ Adult Signature Restricted Delivery
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☐ Certified Mail Restricted Delivery
☐ Collect on Delivery
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☐ Insured Mail (over \$500)
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☐ Priority Mail Express®
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☐ Registered Mail Restricted Delivery
☐ Return Receipt for Merchandise
☐ Signature Confirmation™
☐ Signature Confirmation Restricted Delivery

PS Form 3811, July 2015

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

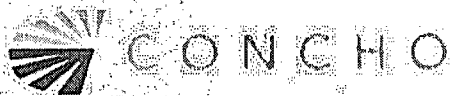
Karen-

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, 3½-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-# Order Date: _____ Legacy Permits/Orders: _____

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

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

Footages 1800FNL 1900FNL Lot _____ or Unit F Sec 11 Tsp 26S Rge 32E County LEC

General Location: 230mi E S 41 JAL Pool: _____ Pool No: _____

BLM 100K Map: JAL Operator: BTAPII Producers, LLC OGRID: 260297 Contact: KAYLA M E CONNELL

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

WELL FILE REVIEWED ☐ Current Status: ProposedWELL 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	17 1/2 / 13 3/8	790	Stage Tool	635	SURFACE / VISUAL
Planned ___ or Existing ___ Interm/Prod	12 1/4 / 9 5/8	1200	4575	1830	SURFACE / VISUAL
Planned ___ or Existing ___ Interm/Prod					
Planned ___ or Existing ___ Prod/Liner	2834 / 17	17450		850	11950 / C-B-L
Planned ___ or Existing ___ Liner					
Planned ___ or Existing ___ OH / PERF			Inj Length		

Injection Lithostratigraphic Units	Depths (ft)	Injection or Confining Units	Tops
Adjacent Unit: Litho. Struc. Por.		ms	17050
Confining Unit: Litho. Struc. Por.		wd	17350
Proposed Inj Interval TOP:			
Proposed Inj Interval BOTTOM:			
Confining Unit: Litho. Struc. Por.			
Adjacent Unit: Litho. Struc. Por.			

Completion/Operation Details:	
Drilled TD	19000 PBDT
NEW TD	NEW PBDT
NEW Open Hole ☒ or NEW Perfs ☐	
Tubing Size _____ in.	Inter Coated? _____
Proposed Packer Depth _____ ft	
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 fmFRESH 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? ☒ FW AnalysisDisposal Fluid: Formation Source(s) Wolfcamp 7, Bone Springs Analysis? ☒ On Lease ☐ Operator Only ☐ or Commercial ☐Disposal Int: Inject Rate (Avg/Max BWPD): 30K/60K Protectable Waters? N/A Source: _____ System Closed ☒ or OpenHC 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? ☒ Well List? ☒ Total No. Wells Penetrating Interval: ☒ Horizontals? _____Penetrating Wells: No. Active Wells ☒ 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? ☒ Affected Persons: CUB, WTB-EXPL, KUISEN, FRANKS 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 SLD 1531 to 900FNL SLD; Bell-clear-