

9/23/2014 DATE IN	SUSPENSE	PRG ENGINEER	9/23/2014 LOGGED IN	SWD TYPE	PM4M1426659473 APP NO.
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ABOVE THIS LINE FOR DIVISION USE ONLY

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



8105 JV-P MESA SWD #1W

ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Application Acronyms:

[NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]
[DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
[PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
[WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
[SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
[EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

[1] **TYPE OF APPLICATION** - Check Those Which Apply for [A]

[A] Location - Spacing Unit - Simultaneous Dedication
☐ NSL ☐ NSP ☐ SD

Check One Only for [B] or [C]

[B] Commingling - Storage - Measurement
☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
☐ WFX ☐ PMX ☒ SWD ☐ IPI ☐ EOR ☐ PPR

[D] Other: Specify _____

[2] **NOTIFICATION REQUIRED TO:** - Check Those Which Apply, or ☐ Does Not Apply

[A] ☐ Working, Royalty or Overriding Royalty Interest Owners

[B] ☒ Offset Operators, Leaseholders or Surface Owner

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

[D] ☒ Notification and/or Concurrent Approval by BLM or SLO
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office

[E] ☒ For all of the above, Proof of Notification or Publication is Attached, and/or,
We will forward copies of the signed "green card" PS Form 3811 certifications as soon as all are received back.

[F] ☐ Waivers are Attached

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

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

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

Kayla McConnell
Print or Type Name

Kayla McConnell
Signature

Regulatory Analyst
Title

9/18/2014
Date

kmccconnell@btaoil.com
e-mail Address

- SWD
- BTA Oil Producers
260297
well
- 8105 JV-P MESA
SWD #1W
30-025-Pending
Pool
- SWD, Delaware
96100



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

September 18, 2014

Re: Application for Authorization to Inject
8105 JV-P Mesa 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 a new well drill and completion of referenced disposal well. 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

RECEIVED OGD
SEP 23 2 30 PM

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

APPLICATION FOR AUTHORIZATION TO INJECT

- I. PURPOSE: Secondary Recovery Pressure Maintenance x Disposal Storage
Application qualifies for administrative approval? x Yes No
- II. OPERATOR: BTA Oil Producers, LLC
ADDRESS: 104 S. Pecos, Midland, TX 79701
CONTACT PARTY: 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. 8105 JV-P Mesa SWD #1W
- 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 McConnell TITLE: Regulatory Analyst
SIGNATURE: Kayla McConnell DATE: 09/18/2014
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: _____

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

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.

*Amended

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 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: *1200 sx. or ft³

Top of Cement: Cmt Circ Method Determined:

Production Casing

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

Cemented with: *800 sx. or ft³

Top of Cement: Cmt Circ Method Determined:

Total Depth: 7000'

Injection Interval

Proposed 4850' feet to 7000' Perf

(Perforated or Open Hole; indicate which)

INJECTION WELL DATA SHEETTubing Size: 3-1/2" Lining Material: Internally plastic coatedType of Packer: Arrowset A1XPacker Setting Depth: *4800'

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: Delaware_ (Bell Canyon/Cherry Canyon)

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

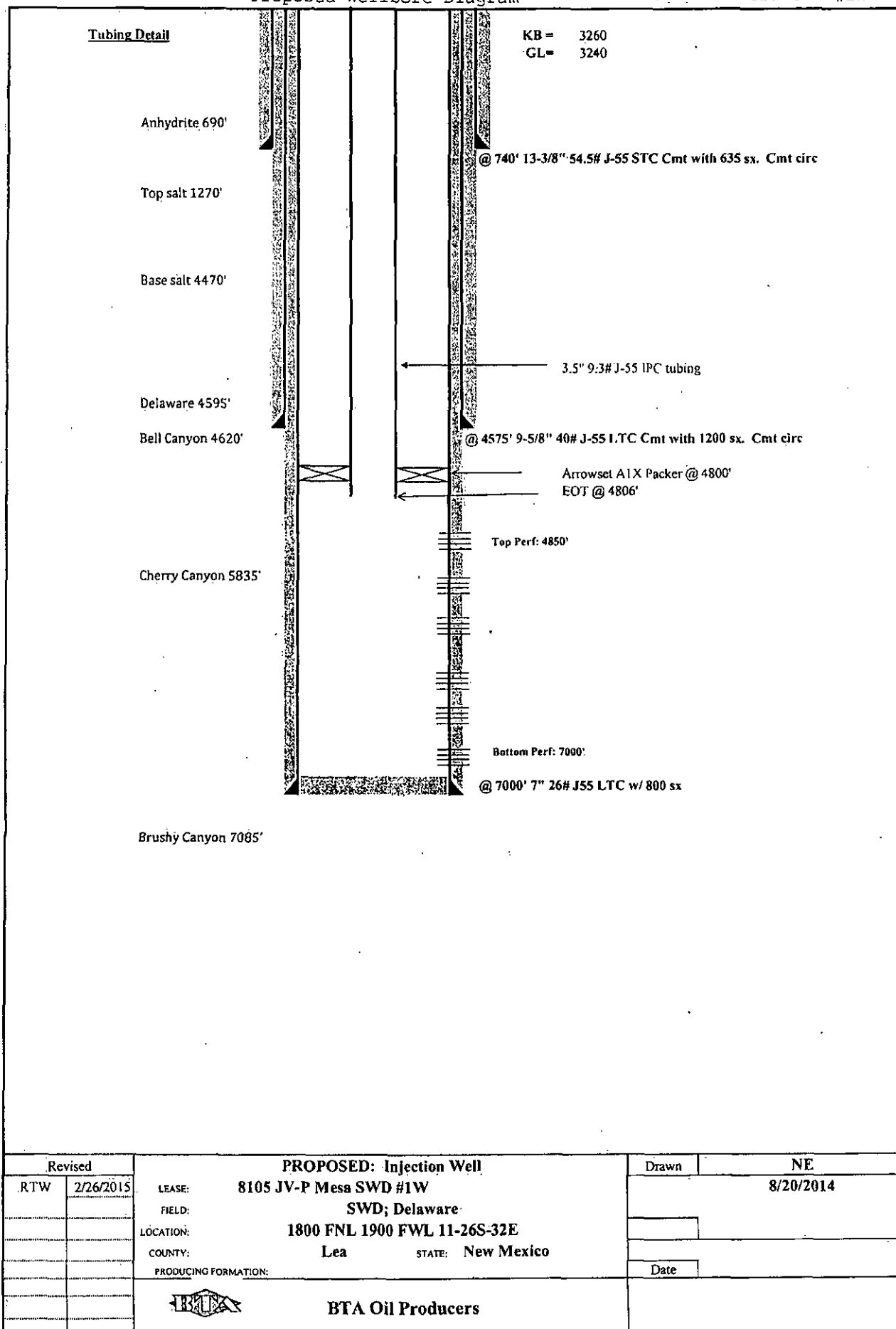
5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: _____


Delaware 4595'; Bell Canyon 4620' ; Cherry Canyon 5835'

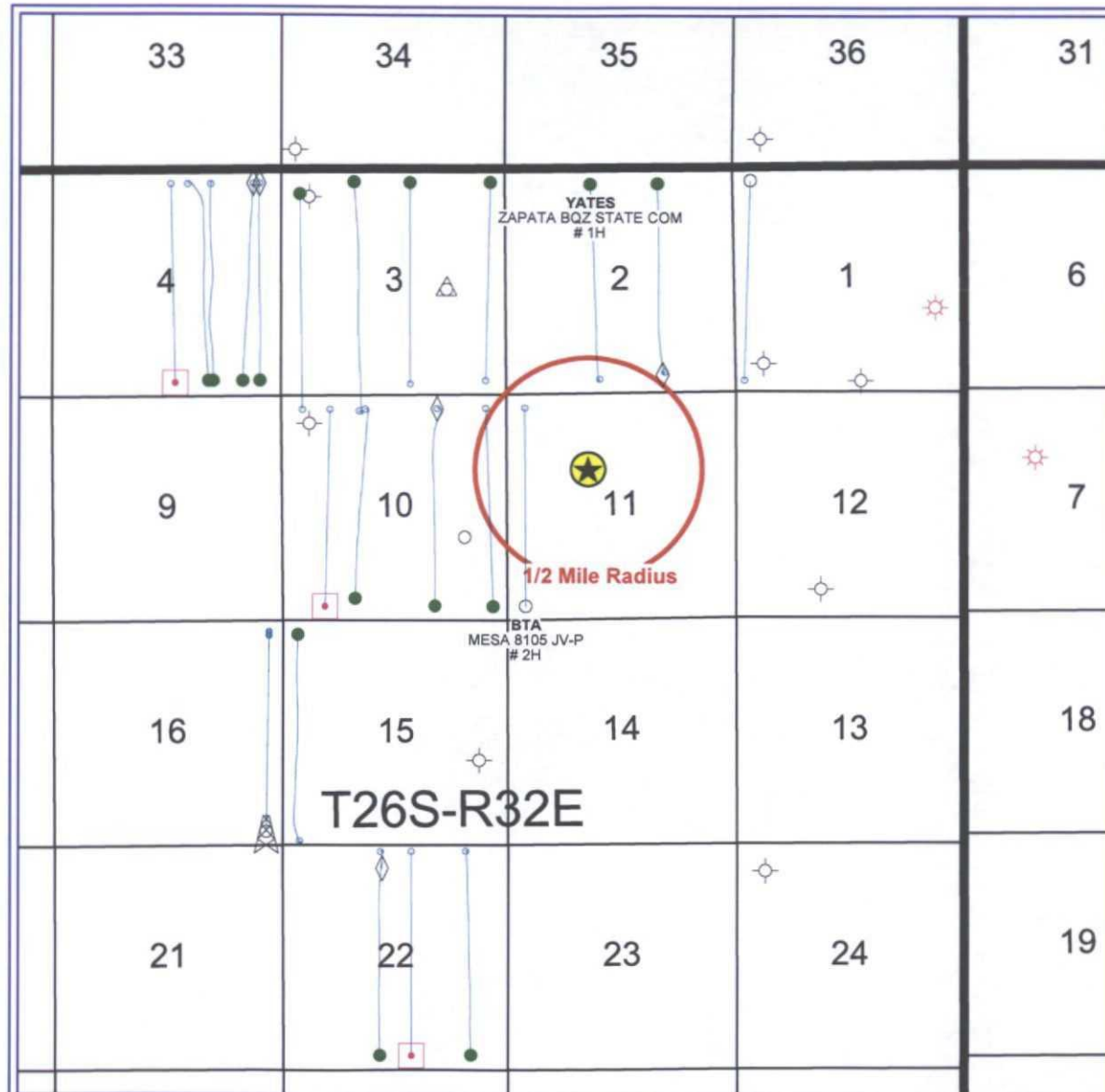
*Amended

Proposed Wellbore Diagram

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



Revised		PROPOSED: Injection Well		Drawn	NE
RTW	2/26/2015	LEASE:	8105 JV-P Mesa SWD #1W	8/20/2014	
		FIELD:	SWD; Delaware		
		LOCATION:	1800 FNL 1900 FWL 11-26S-32E		
		COUNTY:	Lea	STATE:	New Mexico
		PRODUCING FORMATION:		Date	
				BTA Oil Producers	



BTA Oil Producers, LLC
8105 JV-P Mesa SWD #1W
1/2 Mile Radius
Sec. 11, T26S-R32E
Lea County, New Mexico
WELL SYMBOLS Proposed Location Location Only Drilling Well Drilled, Waiting on Completion Oil Well Gas Well Dry Hole Service Well Pilot Hole
REMARKS 8105 JV-P Mesa SWD #1W Highlighted in Yellow 1/2 Mile Radius Indicated in Red Only Wells Within 2 Mile Radius Shown on Map See Exhibit "A" For Well List
By: JHB
September 11, 2014

PETRA 9/11/2014 1:41:09 PM

Attachment to C-108
 8105 JV-P Mesa SWD #1W
 1800' FNL & 1900' FWL
 Section 11, T26S, R32E
 Lea County, New Mexico

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

Attachment to C-108

HALF MILE RADIUS												
API #	Operator	Well Name	Well No.	TD	Sec	Twn	Rng	Footage Calls	Spud Date	Comp Date	Status	Prod Fm
30025400010000	Yates Petroleum Corp	Zapata BQZ State Com	2	13660	2	26S	32E	330' FSL & 2180' FWL	6/8/2011	12/2/2011	OIL	Bonespring
30025412890000	BTA Oil Producers, LLC	Mesa 8105 JV-P	2H		11	26S	32E	330' FNL & 430' FWL	New (Not Drilled)		LOC	Jennings; Upper Bone Spring
30025xxxxx0000	BTA Oil Producers, LLC	8105 JV-P Mesa SWD	1W		11	26S	32E	1800' FNL & 1900' FWL	New (Not Drilled)		REC LOC	Delaware

*Calc TOC @
3584'*

Attachment to C-108
8105 JV-P Mesa SWD #1W
 1800' FNL & 1900' FWL
 Section 11, T26S, R32E
 Lea County, New Mexico

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

Attachment to C-108
 *Amended

VI AOR Well Data

Well Name	Operator	Location	Type of Well	Spud Date	Comp Date	TD P&TD	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)	7000' MD Proposed	(Disp.) 4850'-7000' Proposed	(Disp.) Delaware	13-3/8"	740'	635	Circ
									9-5/8"	4575'	1200	Circ
									7"	7000'	800	Circ
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	proposed	proposed	proposed	proposed
									26"	40'	Conduction	Circ
									13-3/8"	765'	610	Circ
Mesa 8105 JV-P #2H	BTA Oil Producers, LLC	330' FNL & 430' FWL 11-T26S-R32E	LOC	New (Not drilled)	New (Not drilled)	14023' MD Proposed	New (Not drilled)	Jennings; Upper Bone Spring	9-5/8"	4785'	1561	Circ
									5-1/2"	13660'	1790	Circ
									13-3/8"	750'	840	Circ
									9-5/8"	4500'	1570	Circ
									5-1/2"	14023'	2215	Circ
									proposed	proposed	proposed	proposed

Calc 984

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
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103
October 13, 2009

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 <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>		5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
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:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	P AND A <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPL <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>	
DOWNHOLE COMMINGLE <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
For State Use Only

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

P. O. BOX 1488
MONAHANS, TEXAS 79756
PH. 943-3234 OR 583-1040

Martin Water Laboratories, Inc.

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

RESULT OF WATER ANALYSES

TO: Mr. Tom Williams
104 South Pecos, Midland, TX 79701-5099

LABORATORY NO. 89713
SAMPLE RECEIVED 8-5-97
RESULTS REPORTED 8-6-97

COMPANY BTA Oil Producers LEASE Mesa #1 8105

FIELD OR POOL
SECTION 1 BLOCK SURVEY-26S&R-32E 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			
Resistivity, ohm-cm 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 compitibility 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	1.08	2.20	132205.83	5.90		11390.50	2098.17

TH (CaCO ₃)	Na (mg/L)	K (mg/L)	Zn (mg/L)	Fe (mg/L)	Ba (mg/L)	Sr (mg/L)	Mn (mg/L)	Resistivity	HCO ₃ (mg/L)	CO ₃ (mg/L)	OH (mg/L)	SO ₄ (mg/L)	Cl (mg/L)	CO ₂ (mg/L)	H ₂ S (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	800.00	0.00

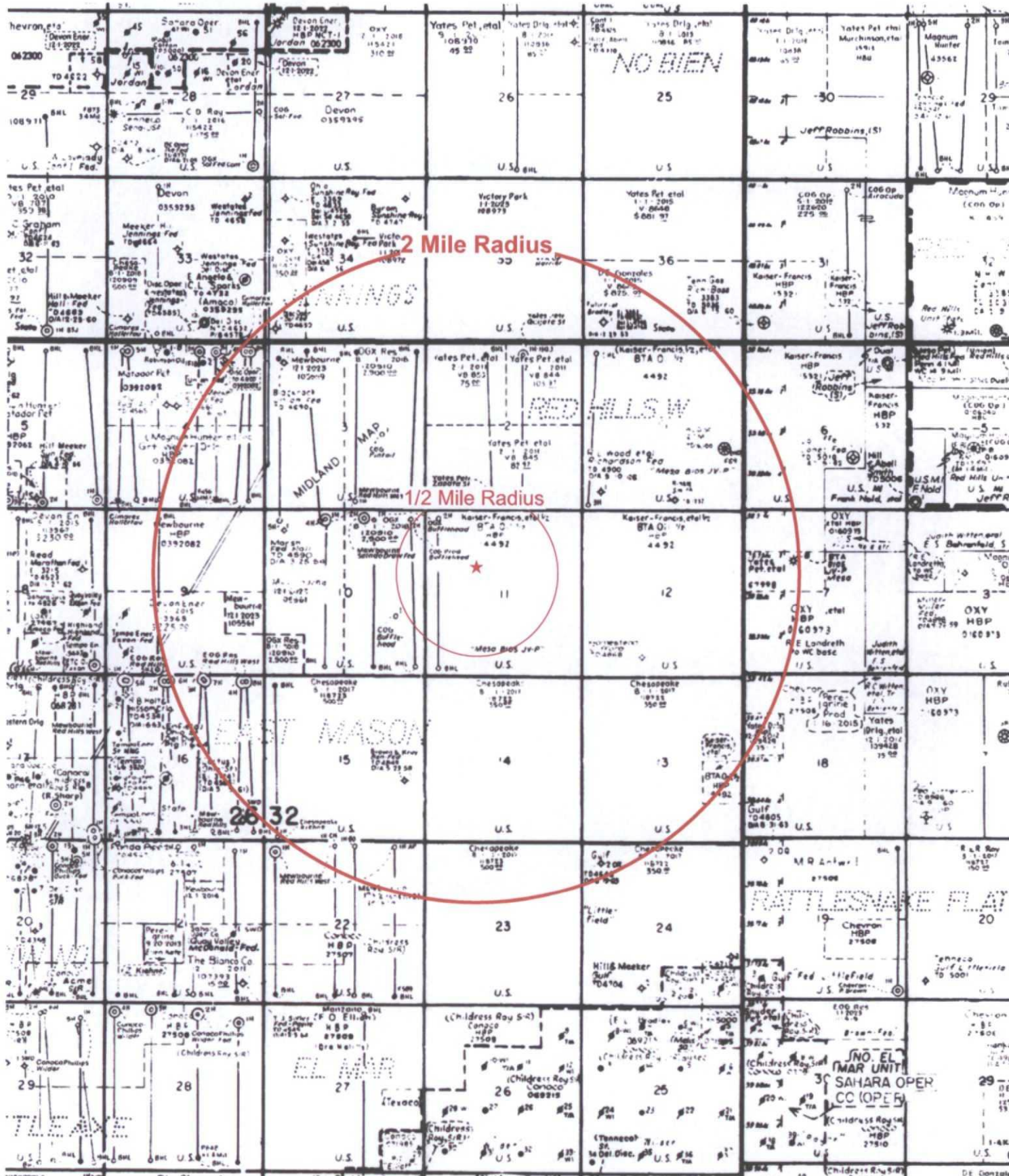
Bone Spring Produced Water

Representative Delaware Produced And Receiving Formation Water

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

General Information About: Sample 4222			
NORTH EL MAR UNIT 022			
API	3002508278	Sample Number	
Unit/Section/ Township/Range	J / 25 / 26 S / 32 E	Field	EL MAR
County	Dea	Formation	DEL
State	NM	Depth	
Lat/Long	32.01136 / - 103.62579	Sample Source	UNKNOWN
TDS (mg/L)	244815	Water Type	
Sample Date(MM/DD/YYYY)		Analysis Date(MM/DD/YYYY)	
Remarks/Description			
Cation Information (mg/L)		Anion Information (mg/L)	
Potassium (K)		Sulfate (SO ₄)	220
Sodium (Na)		Chloride (Cl)	153500
Calcium (Ca)		Carbonate (CO ₃)	
Magnesium (Mg)		Bicarbonate (HCO ₃)	88
Barium (Ba)		Hydroxide (OH)	
Manganese (Mn)		Hydrogen Sulfide (H ₂ S)	
Strontium (Sr)		Carbon Dioxide (CO ₂)	
Iron (Fe)		Oxygen (O)	

Data obtained from <http://octance.nmt.edu>



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

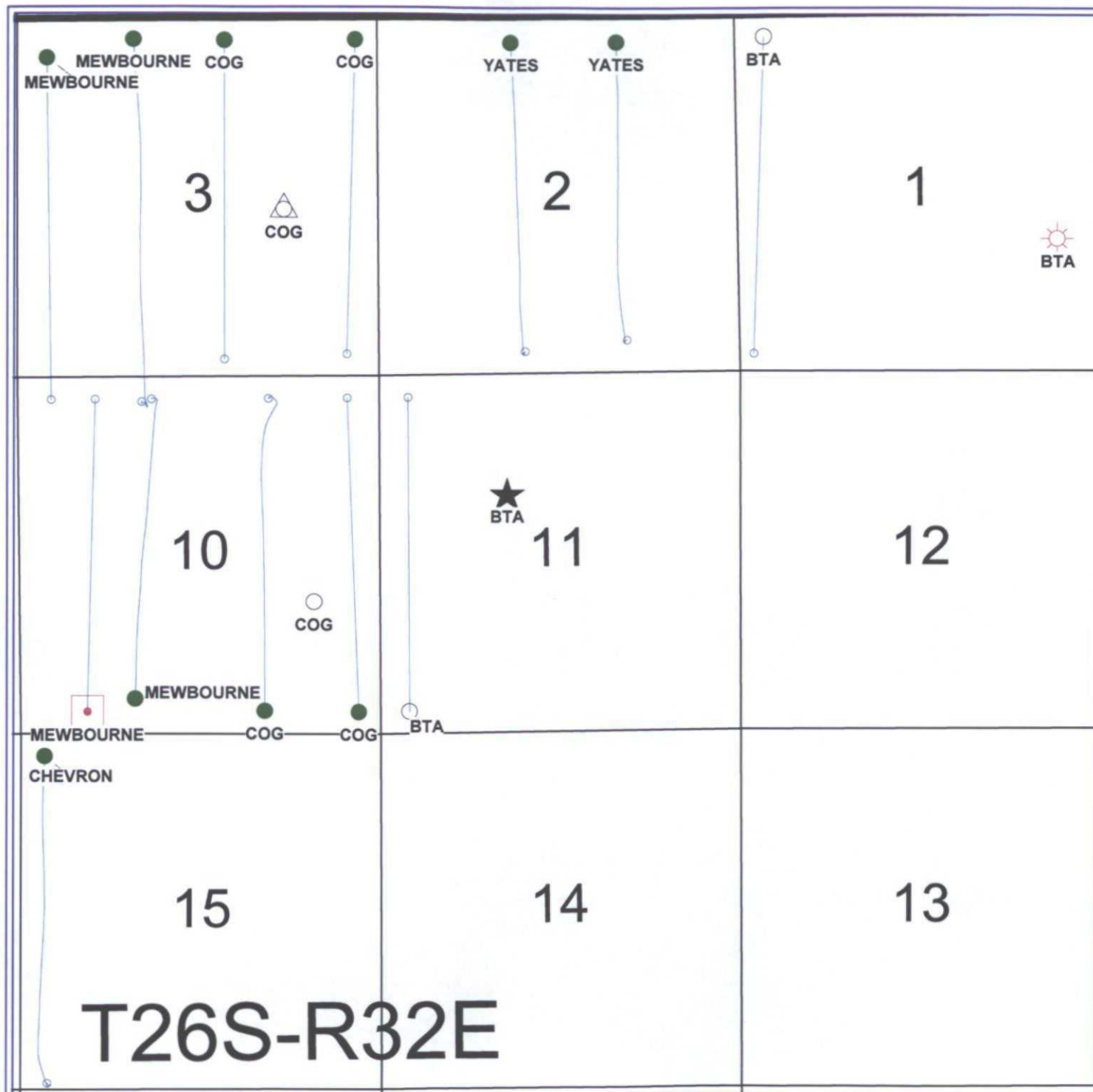
Wells within 1/2 mile and 2 mile radius









Attachment to C-108
8105 JV-P Mesa SWD #1W
1800' FNL & 1900' FWL
Section 11, T26S, R32E
Lea County, New Mexico

Exhibit "A" - 2 Mile Radius

API #	Operator	Well Name	Well No.	Sec	Twn	Rng	Footage Calls	TOC
30025270790000	DISCOVERY OPER INC	DOI FEDERAL	1	34	25S	32E	467'FSL & 330'FWL	P&A
30025082480000	FULLERTON OIL CO	BRADLEY	1	36	25S	32E	660'FSL & 660'FWL	P&A
30025127660000	HUMBLE OIL & REFG CO	F L NEWTON	1	1	26S	32E	250'FSL & 2390'FEL	N/A
30025218610000	WOOD ROBERT L ETAL	RICHARDSON-FEDERAL	1	1	26S	32E	660'FSL & 660'FWL	P&A
30025276000001	BTA OIL PRODUCERS LLC	MESA 8105 JV-P	1	1	26S	32E	1980'FSL & 660'FEL	4580'
30025412900000	BTA OIL PRODUCER LLC	MESA 8105 JV-P	3H	1	26S	32E	265'FSL & 205'FWL	est 4125'
30025399470000	YATES PETROLEUM CORP	QUIJOTE BQJ STATE COM	1H	2	26S	32E	480'FSL & 1650'FEL	est 8900'
30025399477000	YATES PETROLEUM CORP	QUIJOTE BQJ STATE COM	1H	2	26S	32E	480'FSL & 1650'FEL	est 4000'
30025400010000	YATES PETROLEUM CORP	ZAPATA BQZ STATE COM	1H	2	26S	32E	330'FSL & 2180'FWL	est 4250'
30025239930000	BLACKROCK OIL CO	UNION-FEDERAL	1	3	26S	32E	660'FNL & 660'FWL	P&A
30025406840000	COG PRODUCTION LLC	PINTAIL 3 FEDERAL	1H	3	26S	32E	260'FSL & 2290'FEL	Surface
30025406850000	COG PRODUCTION LLC	PINTAIL 3 FEDERAL	2H	3	26S	32E	330'FSL & 480'FEL	Surface
30025412080000	COG OPERATING LLC	PINTAIL 3 FEDERAL SWD	1	3	26S	32E	2500'FSL & 1400'FEL	Surface
30025404740000	CIMAREX ENERGY CO	HALLERTAU '4' FEDERAL	3H	4	26S	32E	330'FNL & 2180'FEL	est 4500'
30025404750000	CIMAREX ENERGY CO	HALLERTAU '4' FEDERAL	4H	4	26S	32E	330'FNL & 660'FEL	est 4350'
30025404750100	CIMAREX ENERGY CO	HALLERTAU '4' FEDERAL	4H	4	26S	32E	330'FNL & 660'FEL	est 4350'
30025404760000	CIMAREX ENERGY CO	HALLERTAU '4' FEDERAL	7H	4	26S	32E	330'FNL & 1650'FEL	2700'
30025404770000	CIMAREX ENERGY CO	HALLERTAU '4' FEDERAL	8H	4	26S	32E	330'FNL & 510'FEL	6110'
30025404770100	CIMAREX ENERGY CO	HALLERTAU '4' FEDERAL	8H	4	26S	32E	330'FNL & 510'FEL	6110'
30025418780000	CIMAREX ENERGY CO	HALLERTAU 4 FEDERAL	9H	4	26S	32E	330'FNL & 2570'FEL	est 4330'
30025082540000	MARSH C E II	FED-HALL	1	10	26S	32E	660'FNL & 660'FWL	P&A
30025399110000	MEWBOURNE OIL CO	RED HILLS WEST 10 FEDERAL	1H	10	26S	32E	330'FNL & 1980'FWL	est 1470'
30025404230000	COG OPERATING LLC	BUFFLEHEAD '10' FEDERAL	1H	10	26S	32E	330'FNL & 1650'FEL	est 1470'
30025404230100	COG PRODUCTION LLC	BUFFLEHEAD '10' FEDERAL	1H	10	26S	32E	330'FNL & 1650'FEL	est 1470'
30025405940000	COG PRODUCTION LLC	BUFFLEHEAD 10 FEDERAL	2H	10	26S	32E	330'FNL & 480'FEL	1070'
30025406870000	MEWBOURNE OIL CO	RED HILLS WEST UNIT '3'	4H	10	26S	32E	370'FNL & 1840'FWL	9593'
30025411360000	MEWBOURNE OIL CO	RED HILLS WEST UNIT	5H	10	26S	32E	330'FNL & 500'FWL	4070'
30025413250000	COG OPERATING LLC	BUFFLEHEAD 10 FEDERAL SWD	1	10	26S	32E	1980'FSL & 990'FEL	N/A
30025418490000	MEWBOURNE OIL CO	RED HILLS WEST UNIT	7H	10	26S	32E	330'FNL & 1150'FWL	est 4250'
30025412890000	BTA OIL PRODUCER LLC	MESA 8105 JV-P	2H	11	26S	32E	330'FNL & 430'FWL	est 4000'
30025xxxxx0000	BTA OIL PRODUCERS LLC	8105 JV-P Mesa SWD #1W	1W	11	26S	32E	1800'FNL & 1900'FWL	Surface
30025082550000	HOMESTEAD OIL & GAS	CLIFFORD	1	12	26S	32E	660'FSL & 1980'FWL	N/A
30025082560000	BROWN TOM-KRUG WALTR	BEN-FEDERAL	1	15	26S	32E	2004'FSL & 666'FEL	P&A
30025406020000	CHEVRON USA INC	KIEHNE RANCH 15-26-32 USA	1H	15	26S	32E	100'FSL & 400'FWL	N/A
30025417060000	CONOCOPHILLIPS CO	RED HILLS WEST 16 STATE TC	12H	16	26S	32E	349'FNL & 330'FEL	est 4125'
30025417070000	CONOCOPHILLIPS CO	RED HILLS WEST 16 STATE W1	11H	16	26S	32E	316'FNL & 330'FEL	est 4105'
30025417080000	CONOCOPHILLIPS CO	RED HILLS WEST 16 STATE W2	10H	16	26S	32E	283'FNL & 330'FEL	est 4105'
30025417090000	CONOCOPHILLIPS CO	RED HILLS WEST 16 STATE W3	9H	16	26S	32E	250'FNL & 330'FEL	est 4125'
30025406070000	MEWBOURNE OIL CO	RED HILLS WEST '22' CN FEDERAL COM	1H	22	26S	32E	150'FNL & 2310'FWL	est 2205'
30025406077000	MEWBOURNE OIL CO	RED HILLS WEST '22' CN FEDERAL COM	1H	22	26S	32E	150'FNL & 2310'FWL	est 2205'
30025406080000	MEWBOURNE OIL CO	RED HILLS WEST '22' AP FEDERAL COM	1H	22	26S	32E	150'FNL & 990'FEL	est 2700'
30025411350000	MEWBOURNE OIL CO	RED HILLS WEST 22 'BO' FEDERAL COM	1H	22	26S	32E	150'FNL & 2310'FEL	est 4220'
30025204480000	GULF OIL CORP	LITTLEFIELD-FRAL DR	2	24	26S	32E	660'FNL & 660'FWL	P&A
30025306620000	BTA OIL PRODUCERS LLC	MESA 'B' 8105 JV-P	1	7	26S	33E	1650'FNL & 1650'FWL	Surface

Attachment to C-108
 8105 JV-P Mesa SWD #1W
 1800' FNL & 1900' FWL
 Section 11, T26S, R32E
 Lea County, New Mexico



 BTA Oil Producers, LLC
8105 JV-P Mesa SWD #1W
Active Operator Map
Sec. 11, T26S-R32E
Lea County, New Mexico
WELL SYMBOLS  Proposed Location  Location Only  Drilled, Waiting on Completion  Oil Well  Gas Well  Service Well
REMARKS
Only Active Locations Shown on Map
By: JHB
 0 2,000 4,000 FEET
September 11, 2014

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

Exhibit "A"							
API #	Operator	Well Name	Well No.	Sec	Twn	Rng	Footage Calls
30025276000001	BTA OIL PRODUCERS LLC	MESA 8105 JV-P	1	1	26S	32E	1980'FSL & 660'FEL
30025276000000	BTA OIL PRODUCERS LLC	MESA 8105 JV-P	1	1	26S	32E	1980'FSL & 660'FEL
30025412900000	BTA OIL PRODUCER LLC	MESA 8105 JV-P	3H	1	26S	32E	265'FSL & 205'FWL
30025399470000	YATES PETROLEUM CORP	QUIJOTE BQJ STATE COM	1H	2	26S	32E	480'FSL & 1650'FEL
30025400010000	YATES PETROLEUM CORP	ZAPATA BQZ STATE COM	1H	2	26S	32E	330'FSL & 2180'FWL
30025406840000	COG PRODUCTION LLC	PINTAIL 3 FEDERAL	1H	3	26S	32E	260'FSL & 2290'FEL
30025406850000	COG PRODUCTION LLC	PINTAIL 3 FEDERAL	2H	3	26S	32E	330'FSL & 480'FEL
30025412080000	COG OPERATING LLC	PINTAIL 3 FEDERAL SWD	1	3	26S	32E	2500'FSL & 1400'FEL
30025399110000	MEWBOURNE OIL CO	RED HILLS WEST 10 FEDERAL	1H	10	26S	32E	330'FNL & 1980'FWL
30025404230100	COG PRODUCTION LLC	BUFFLEHEAD '10' FEDERAL	1H	10	26S	32E	330'FNL & 1650'FEL
30025405940000	COG PRODUCTION LLC	BUFFLEHEAD 10 FEDERAL	2H	10	26S	32E	330'FNL & 480'FEL
30025406870000	MEWBOURNE OIL CO	RED HILLS WEST UNIT '3'	4H	10	26S	32E	370'FNL & 1840'FWL
30025411360000	MEWBOURNE OIL CO	RED HILLS WEST UNIT	5H	10	26S	32E	330'FNL & 500'FWL
30025413250000	COG OPERATING LLC	BUFFLEHEAD 10 FEDERAL SWD	1	10	26S	32E	1980'FSL & 990'FEL
30025418490000	MEWBOURNE OIL CO	RED HILLS WEST UNIT	7H	10	26S	32E	330'FNL & 1150'FWL
30025412890000	BTA OIL PRODUCER LLC	MESA 8105 JV-P	2H	11	26S	32E	330'FNL & 430'FWL
30025xxxxx0000	BTA OIL PRODUCERS LLC	8105 JV-P Mesa SWD #1W	1W	11	26S	32E	1800'FNL & 1900'FWL
30025406020000	CHEVRON USA INC	KIEHNE RANCH 15-26-32 USA	1H	15	26S	32E	100'FSL & 400'FWL

Attachment to C-108
8105 JV-P Mesa SWD #1W
1800' FNL & 1900' FWL
Section 11, T26S, R32E
Lea County, New Mexico

BTA Oil Producers, LLC
Application for Authorization to Inject
8105 JV-P Mesa 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 6000 BWPD
 Proposed Maximum daily injection volume 15000 BWPD
2. This will be a closed system.
3. Proposed average daily injection pressure 500 psi
 Proposed maximum daily injection pressure 970 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
8105 JV-P Mesa SWD #1W
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Section 11, T26S, R32E
Lea County, New Mexico

Attachment to C-108

VII Item 5

Disposal Zone Formation Water

Injection into the 8105 JV-P Mesa SWD #1W 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. See attached Producing Formation Map. There are two current wells within the AOR of 8105 JV-P Mesa SWD #1W. One is the BTA permitted Mesa 8105 JV-P #2H API 30-025-41289 and the other is the Yates Petroleum Corp Zapata BQZ State Com #2 API 30-025-40001.

*See SWD 1395 DISCUSSION
(Located 1/2 mi SW of Here)*

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

Attachment to C-108

VIII Geologic Data

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

A. Disposal Zone

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

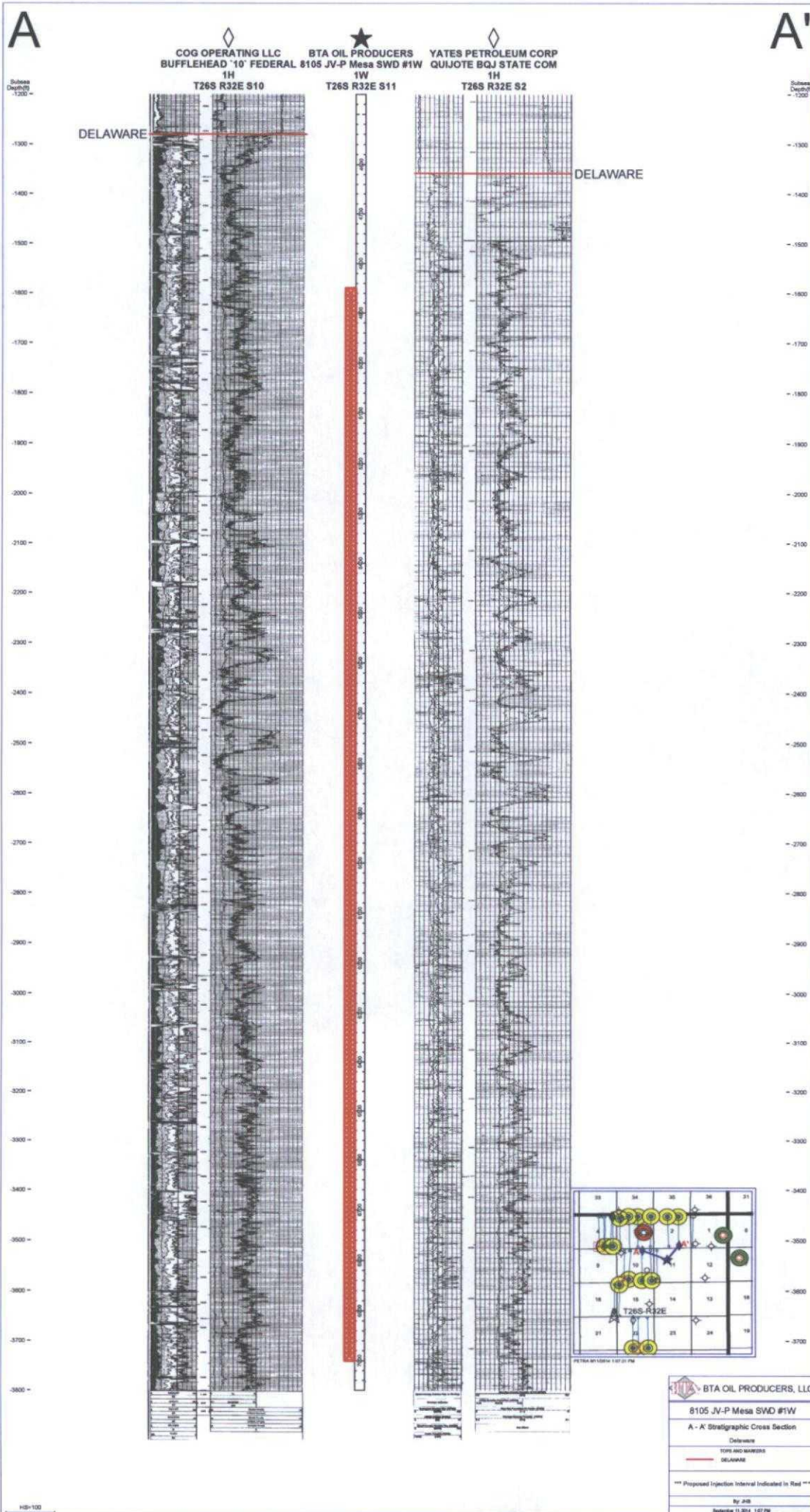
The Delaware Mountain Group has a total thickness in excess of 4,000 feet within this locality. It is comprised of alternating units of siltstone, sandstone, and limestone with minor units of shale. The proposed injection intervals in Bell Canyon and Cherry Canyon members exhibit very good porosity as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

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

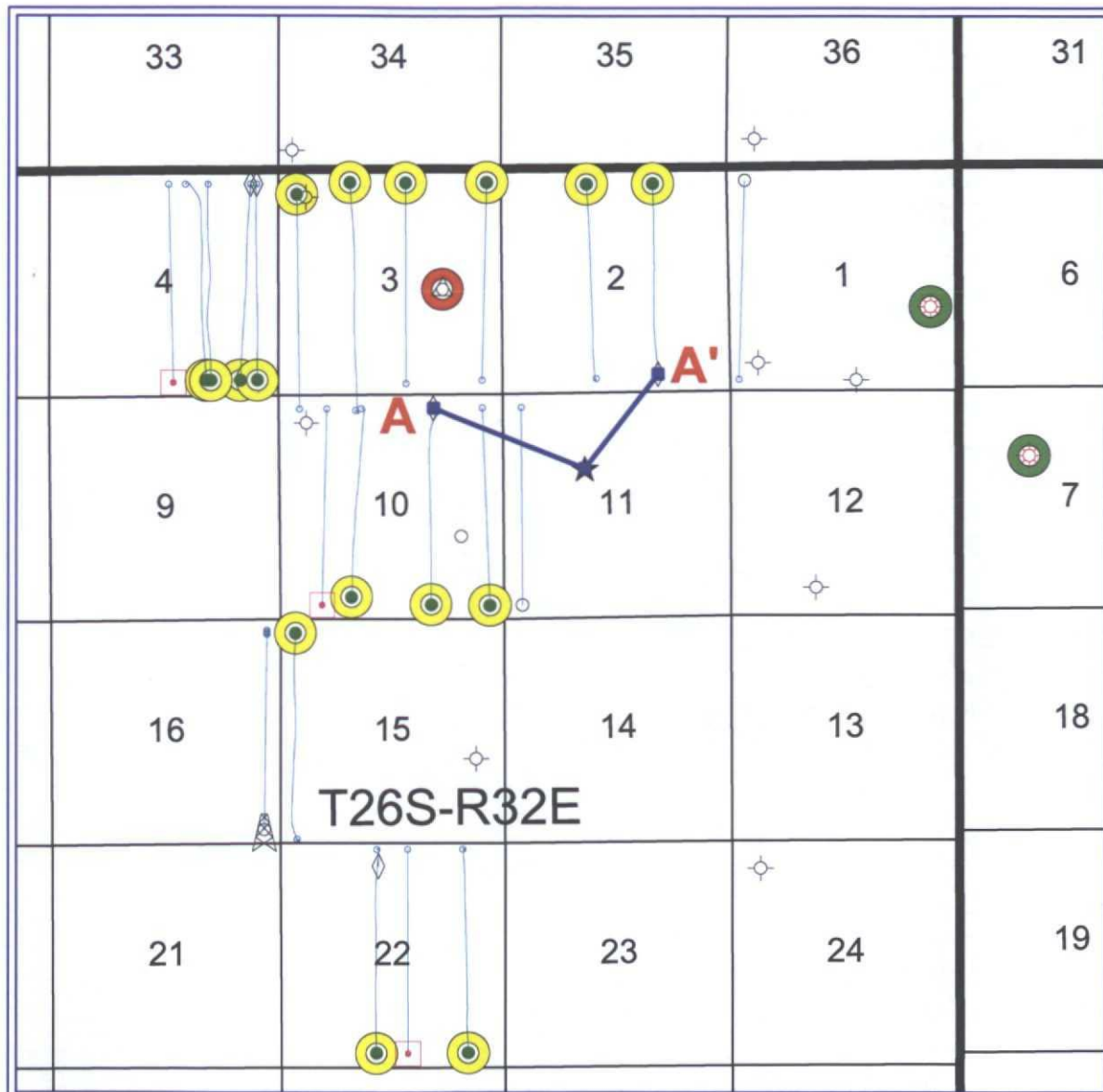
B. Fresh Water Sources:

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

See SWD-1398
Upper Cherry C. probably OK
Maybe not o Bell C. / Lower Cherry C. / Brushy



Attachment to C-108
8105 JV-P Mesa SWD #1W
1800' FNL & 1900' FWL
Section 11, T26S, R32E
Lea County, New Mexico



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 "BONESPRING"
- Producing Formation Contains "WOLFCAMP"
- Producing Formation Contains "CHERRY CANYON"

WELL SYMBOLS

- Proposed Location
- Location Only
- Drilling Well
- Drilled, Waiting on Completion
- Oil Well
- Gas Well
- Dry Hole
- Service Well
- Pilot Hole

REMARKS

Top of Delaware Stratigraphic Cross Section Shown On Map

Only Wells Within 2 Mile Radius Shown on Map

By: JHB

0 4,000 8,000
FEET

September 11, 2014

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Attachment to C-108
8105 JV-P Mesa SWD #1W
 1800' FNL & 1900' FWL
 Section 11, T26S, R32E
 Lea County, New Mexico

BTA Oil Producers, LLC
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1800' FNL & 1900' FWL
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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 8105 JV-P Mesa 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

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															
Sub-		Q Q Q									Depth Depth Water				
POD Number	Code	basin	County	64	16	4	Sec	Tws	Rng	X	Y	Well	Water Column		
C 02271	R		LE	2	3	21	26S	32E	624449	3544111*		150	125	25	
C 02271 POD2		CUB	LE	3	2	3	21	26S	32E	624348	3544010*		270	250	20
C 02274			LE	2	1	2	31	26S	32E	621742	3541730*		300	295	5
C 02323		C	LE	3	2	3	21	26S	32E	624348	3544010*		405	405	0
C 03537 POD1		C	LE	3	2	3	21	26S	32E	624250	3543985		850		
C 03595 POD1		CUB	LE	4	2	3	21	26S	32E	624423	3544045		280	180	100

Average Depth to Water: **251 feet**

Minimum Depth: **125 feet**

Maximum Depth: **405 feet**

Record Count: 6

Basin/County Search:

Basin: Carlsbad

County: Lea

PLSS Search:

Section(s): 1-36

Township: 26S

Range: 32E

Attachment to C-108
8105 JV-P Mesa SWD #1W
1800' FNL & 1900' FWL
Section 11, T26S, R32E
Lea County, New Mexico

*UTM location was derived from PLSS - see Help







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



New Mexico Office of the State Engineer

Active & Inactive Points of Diversion

(with Ownership Information)

										(R=POD has been replaced and no longer serves this file, C=the file is closed)										
(acre ft per annum)										(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) (NAD83 UTM in meters)										
WR File Nbr	Sub	basin	Use	Diversion	Owner	County	POD Number	Code	Grant	Source	q	q	q	Sec	Tws	Rng	X	Y		
<u>C 02271</u>		CUB	PDL		3 OLIVER KIEHNE	LE	<u>C 02271</u>	R		Shallow	6416	4	2	3	21	26S	32E	624449	3544111*	
						LE	<u>C 02271</u> POD2													
<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		

Record Count: 6

POD Search:

POD Basin: Carlsbad

Basin/County Search:

Basin: Carlsbad

County: Lea

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.

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Page 1 of 1

ACTIVE & INACTIVE POINTS OF DIVERSION

Attachment to C-108
8105 JV-P Mesa SWD #1W
 1800' FNL & 1900' FWL
 Section 11, T26S, R32E
 Lea County, New Mexico

BTA Oil Producers, LLC
Application for Authorization to Inject
8105 JV-P Mesa 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 September 18, 2014, of the New Mexico Oil Conservation Division Form C-108 "Application for Authorization to Inject" for the 8105 JV-P Mesa SWD #1W, located in section 11, T26S, R32E, Lea County, New Mexico.

SUBSCRIBED AND SWORN TO before me on this 18th day of September, 2014, to certify which witness my hand and seal of office.

A handwritten signature in black ink, appearing to read 'Pam Inskeep', written over a horizontal line.

Pamela D. Inskeep
Notary Public, State of Texas

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

Attachment to C-108
*Amended 3/24/2015

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 18th day of September, 2014 and the 24th* day of March, 2015.


Kayla McConnell

Priority Mail®
Mail. For
proof of
a Return
cover the
waiver for
receipt is
see or
with the
the arti-
fied Mail
quiry.

SENDER: COMPLETE THIS SECTION

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

1. Article Addressed to:

COG Operating LLC
600 W Illinois Ave
Midland, TX 79701

2. Article Number
(Transfer from service label)

7010 1870 0001 6459 4029

PS Form 3811, February 2004

Domestic Return Receipt

1025

COMPLETE THIS SECTION ON DELIVERY**A. Signature**

X

B. Received by (Printed Name)

☐

☐

☐

C. Date

D. Is delivery address different from item 1? ☐

If YES, enter delivery address below: ☐

3. Service Type

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

4. Restricted Delivery? (Extra Fee) ☐**U.S. Postal Service
CERTIFIED MAIL RECEIPT**

(Domestic Mail Only, No Insurance Coverage Provided)

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

OFFICIAL USE

Postage \$

Certified Fee

Return Receipt Fee
(Endorsement Required)

Restricted Delivery Fee
(Endorsement Required)

Total Postage & Fees \$

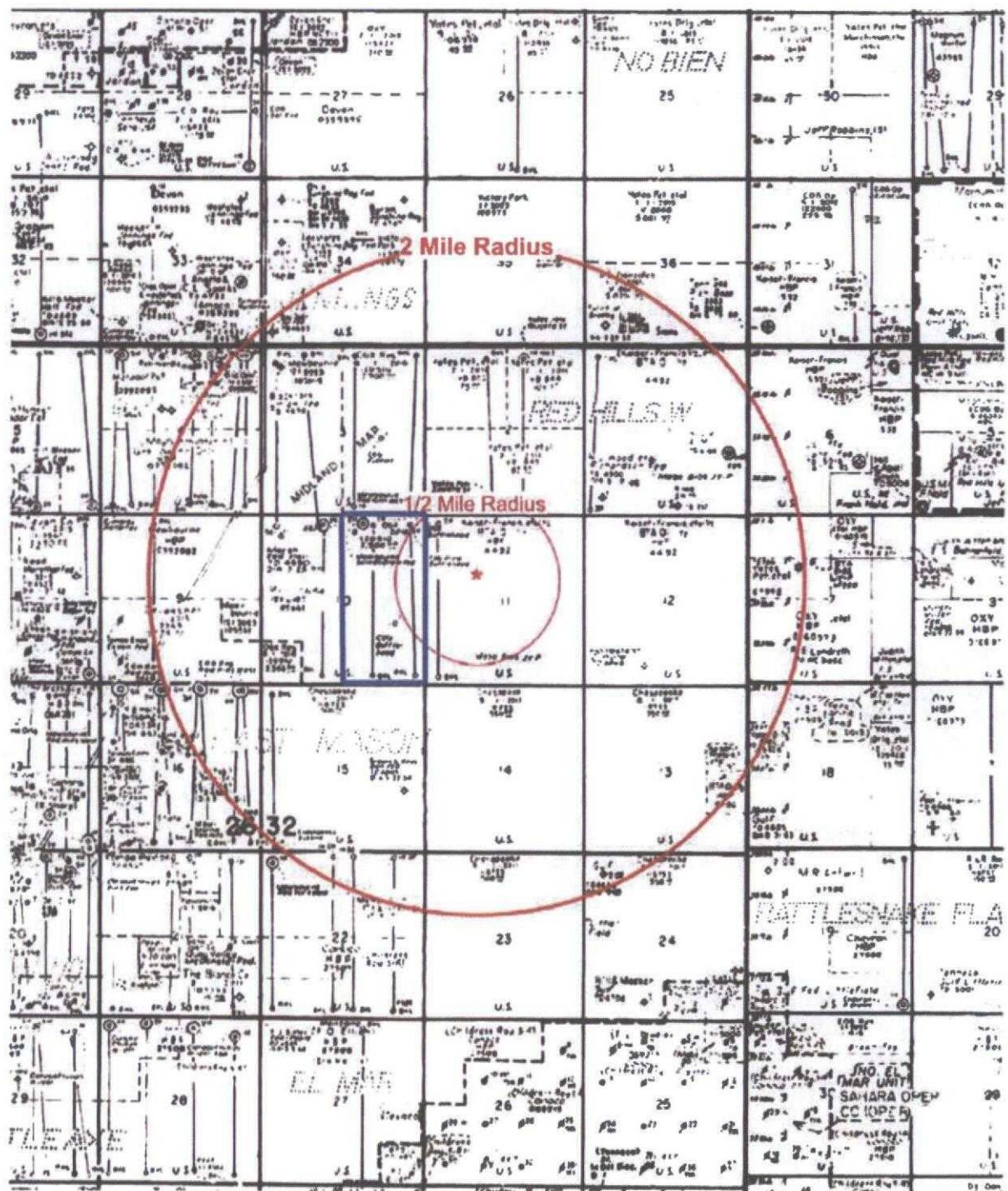
Postmark
Here

Sent To

Street, Apt. No.,
or PO Box No.
City, State, ZIP+4

COG Operating LLC
600 W Illinois Ave
Midland, TX 79701

PS Form 3800-A





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 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%

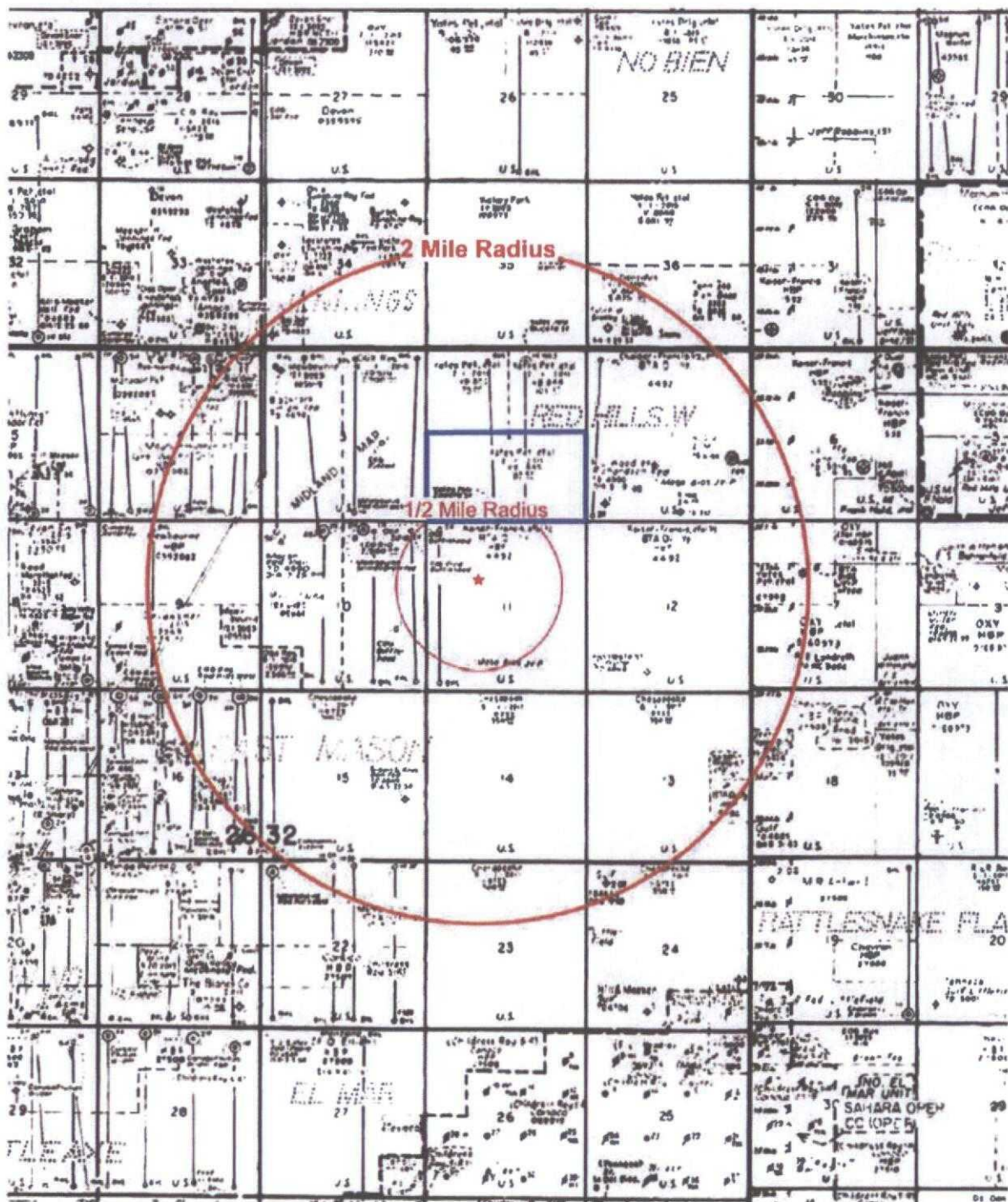
Leasehold Estate

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

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 19, 2015

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

Leasehold Tract: The South one-half (S/2) of Section 2, T-26-S, R-32-E, Lea County, New Mexico

<u>Ownership</u>	<u>Owner Information</u>	<u>Interest</u>
Working Interest	Yates Petroleum Corporation 105 S. 4 th Street Artesia, NM 88210	40.000000%
Working Interest	Myco Industries Inc. P.O. Box 840 Artesia, NM 88211	20.000000%
Working Interest	Yates Drilling Company 105 S 4 th St. Artesia, NM 88210	20.000000%
Working Interest	Abo Petroleum Corporation 105 S 4 th St. Artesia, NM 88210	20.000000%
		100.000000%

Leasehold Estate

Oil and Gas Lease

Lease No: VB - 0845

Date: February 1, 2006

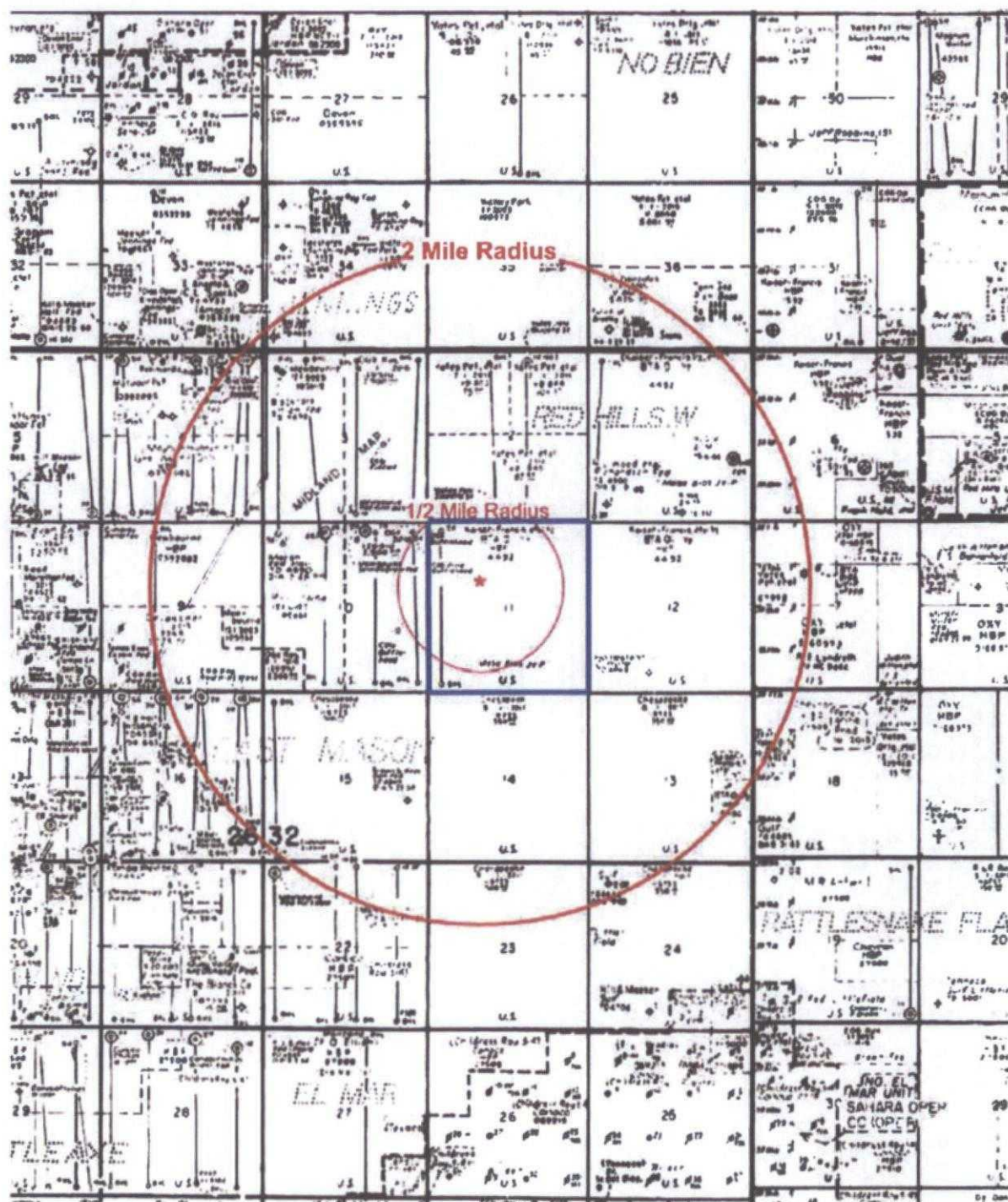
Lessor: State of New Mexico

Lessee: Yates Petroleum Corporation

Royalty: 1/6

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 713-655-0346

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 #1 W 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

SENDER: COMPLETE THIS SECTION

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

1. Article Addressed to:

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

2. Article Number

(Transfer from service label)

7010 1870 0001 6459 2391

PS Form 3811, February 2004

Domestic Return Receipt

102595-02-M-15

COMPLETE THIS SECTION ON DELIVERY

A. Signature

**AUTOMATED
MAIL SERVICE**
MOHIMONT

☐ Agent
☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

9-23

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

SEP 9 2014

3. Service Type

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

4. Restricted Delivery? (Extra Fee)

☐ Yes

SENDER: COMPLETE THIS SECTION

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

1. Article Addressed to:

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

2. Article Number

(Transfer from service label)

7010 1870 0001 6459 2384

PS Form 3811, February 2004

Domestic Return Receipt

102595-02-M-15

COMPLETE THIS SECTION ON DELIVERY

A. Signature

x Oliver Kiehne

☐ Agent
☒ Addressee

B. Received by (Printed Name)

C. Date of Delivery

9-23-14

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

3. Service Type

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

4. Restricted Delivery? (Extra Fee)

☐ Yes

U.S. Postal Service
CERTIFIED MAIL RECEIPT

(Domestic Mail Only; No Insurance Coverage Provided)

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

OFFICIAL USE

Postage

\$ 6.69

Certified Fee

330

Return Receipt Fee

(Endorsement Required)

270

Restricted Delivery Fee

(Endorsement Required)

Total Postage & Fees

\$ 6.69

Sent To

Street, Apt. No.,
or PO Box No.
City, State, ZIP

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

PS Form 3800

U.S. Postal Service
CERTIFIED MAIL RECEIPT

(Domestic Mail Only; No Insurance Coverage Provided)

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

OFFICIAL USE

Postage

\$ 6.69

Certified Fee

330

Return Receipt Fee

(Endorsement Required)

270

Restricted Delivery Fee

(Endorsement Required)

Total Postage & Fees

\$ 6.69

Sent To

Street, Apt. No.,
or PO Box No.
City, State, ZIP

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

PS Form 3800

SENDER: COMPLETE THIS SECTION

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

1. Article Addressed to:

Pioneer Exploration LTD
15603 Kuyhendahl #219
Houston, TX 77090

2. Article Number
(Transfer from service label)

COMPLETE THIS SECTION ON DELIVERY

A. Signature

[Signature]

☐ Agent
☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery
9/22/11

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

3. Service Type

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

4. Restricted Delivery? (Extra Fee) ☐ Yes

7010 1870 0001 6459 2407

PS Form 3811, February 2004

Domestic Return Receipt

102595-02-M-15

U.S. Postal Service

CERTIFIED MAIL RECEIPT

(Domestic Mail Only; No Insurance Coverage Provided)

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

OFFICIAL USE

Postage \$ 69

Certified Fee 330

Return Receipt Fee (Endorsement Required) 270

Restricted Delivery Fee (Endorsement Required)

Total Postage & Fees \$ 6.69

Sent To

Street, Apt. No.,
or PO Box No.
City, State, ZIP+4

PS Form 3800, A

WTG Exploration Inc
401 W Wadley Ave
Midland, TX 79701

U.S. Postal Service

CERTIFIED MAIL RECEIPT

(Domestic Mail Only; No Insurance Coverage Provided)

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

OFFICIAL USE

Postage \$ 69

Certified Fee 330

Return Receipt Fee (Endorsement Required) 270

Restricted Delivery Fee (Endorsement Required)

Total Postage & Fees \$ 6.69

Sent To

Street, Apt. No.,
or PO Box No.
City, State, ZIP+4

PS Form 3800, A

Pioneer Exploration LTD
15603 Kuyhendahl #219
Houston, TX 77090

SENDER: COMPLETE THIS SECTION

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

1. Article Addressed to:

WTG Exploration Inc
401 W Wadley Ave
Midland, TX 79701

2. Article Number
(Transfer from service label)

COMPLETE THIS SECTION ON DELIVERY

A. Signature

[Signature]

☐ Agent
☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery
9/19/14

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

3. Service Type

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

4. Restricted Delivery? (Extra Fee) ☐ Yes

7010 1870 0001 6459 2414

PS Form 3811, February 2004

Domestic Return Receipt

102595-02-M-15

SENDER: COMPLETE THIS SECTION		COMPLETE THIS SECTION ON DELIVERY	
<ul style="list-style-type: none"> Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. 		A. Signature X <input type="checkbox"/> Agent <input type="checkbox"/> Addressee	
1. Article Addressed to:		B. Received by (Printed Name)	C. Date of Delivery
Mewbourne Oil Company P.O. Box 5270 Hobbs, NM 88241		D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No	
		3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.	
2. Article Number (Transfer from service label)		4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes	
PS Form 3811, February 2004		7010 1870 0001 6459 2421	
Domestic Return Receipt		102595-02-M-1540	

SENDER: COMPLETE THIS SECTION		COMPLETE THIS SECTION ON DELIVERY	
<ul style="list-style-type: none"> Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. 		A. Signature X <input type="checkbox"/> Agent <input type="checkbox"/> Addressee	
1. Article Addressed to:		B. Received by (Printed Name)	C. Date of Delivery
Yates Petroleum Corp. 105 S 4th St. Artesia, NM 88210		D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No	
		3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.	
2. Article Number (Transfer from service label)		4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes	
PS Form 3811, February 2004		7010 1870 0001 6459 2438	
Domestic Return Receipt		102595-02-M-1540	

U.S. Postal Service CERTIFIED MAIL TM RECEIPT (Domestic Mail Only; No Insurance Coverage Provided)	
For delivery information visit our website at www.usps.com	
OFFICIAL USE	
Postage \$	69
Certified Fee	330
Return Receipt Fee (Endorsement Required)	270
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	6.69
Sent To Yates Petroleum Corp. 105 S 4th St. Artesia, NM 88210	
PS Form 3800, Domestic Return Receipt	

U.S. Postal Service CERTIFIED MAIL TM RECEIPT (Domestic Mail Only; No Insurance Coverage Provided)	
For delivery information visit our website at www.usps.com	
OFFICIAL USE	
Postage \$.69
Certified Fee	330
Return Receipt Fee (Endorsement Required)	270
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	6.69
Sent To Mewbourne Oil Company P.O. Box 5270 Hobbs, NM 88241	
PS Form 3800, Domestic Return Receipt	

Affidavit of Publication

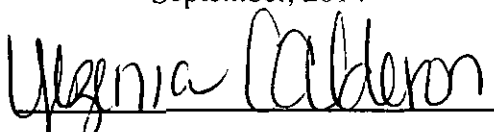
State of New Mexico,
County of Lea.

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

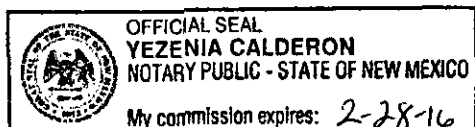
of 1 issue(s).
Beginning with the issue dated
September 06, 2014
and ending with the issue dated
September 06, 2014


PUBLISHER

Sworn and subscribed to before me
this 8th day of
September, 2014


Notary Public

My commission expires
February 28, 2016
(Seal)



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

LEGAL
LEGAL NOTICE September 6, 2014
BTA OIL PRODUCERS LLC, 104 S Pecos, Midland, Texas 79701, will file form C-108 (Application for Authorization to Inject) with the New Mexico Oil Conservation Division seeking administrative approval for a salt water disposal well. The proposed well, the 8105 Mesa SWD #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 Bone Spring and Wolfcamp formations. The disposal water will be injected into the Delaware formation at a depth of 4850'-7000', at a maximum surface pressure of 970 psi, and an average rate of 6000 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.
#29360

01101299

00143497

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

30-025-

Bufferhead 10 Federal SWD 1
1980' FSL, 990' FEL
Unit I, Sec 10-26s-32e
Lea, NM

17 1/2"

13 3/8" / 54.5 / JSS / STC e ± 1000' 1400 CF cmt. (circ)

12 1/4"

3 1/2" or 4 1/2" Inj Tbs

TDC 3950' Design

9 5/8" / 36,40 / JSS / BTC e ± 4450' 2800 CF cmt. (circ)

8 3/4"

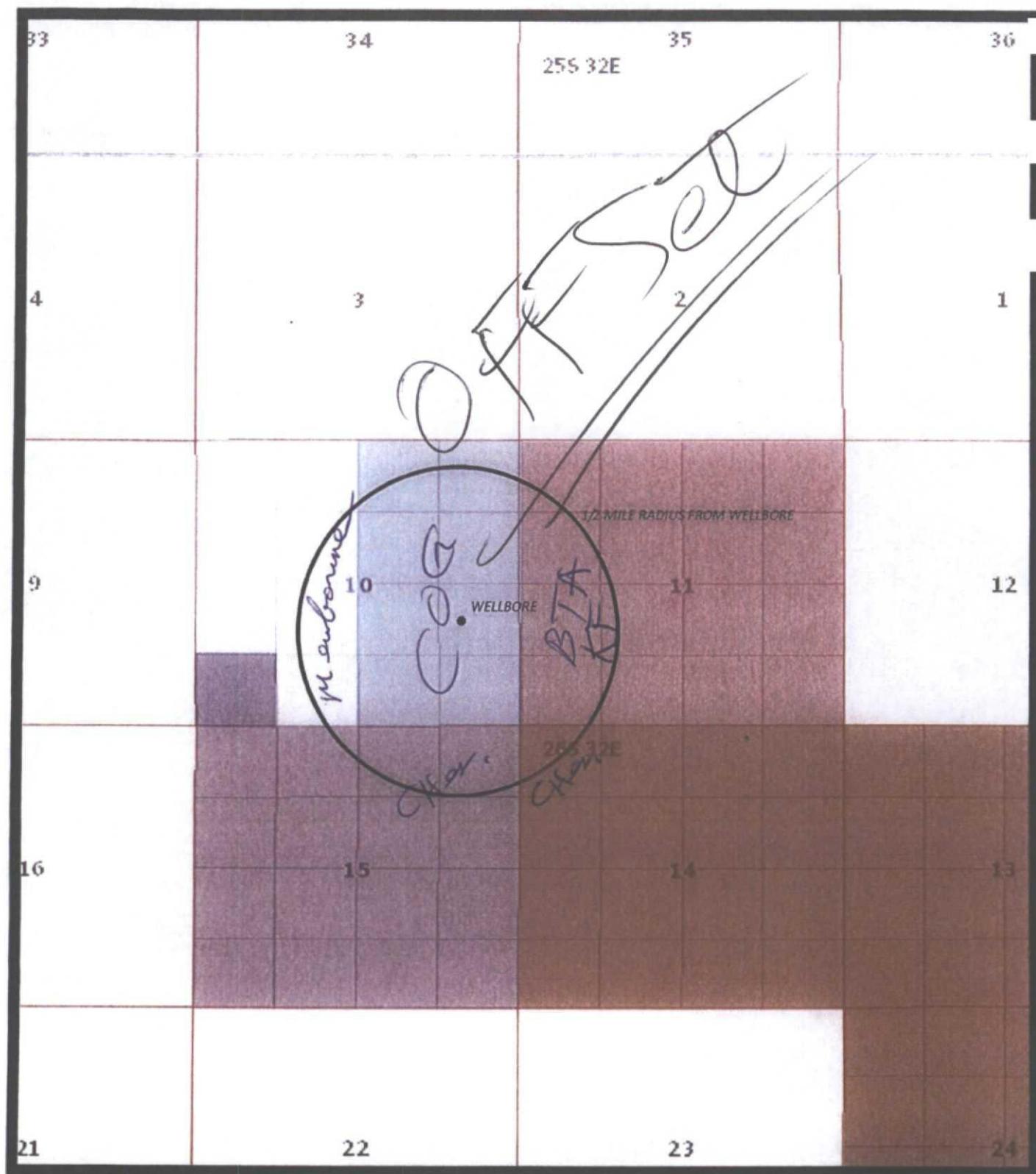
Inj Pkr. ± 5650'

Delaware Sand
5700-6420'

7" / 26 / JSS / LTC e ± 6600'

600 CF cmt
(Design TDC 3950' ±)

6600'



BTA Oil Producers
Kaiser Francis Oil

Cheasapeake Exploration LLC

Cheasapeake Exploration LLC

COG Operating LLC

COG Operating LLC

Mewbourne Oil Company

Bufflehead 10 Federal SWD No. 1
1980' FSL & 990' FEL
Section 10; T26s - R32e
Eddy County, New Mexico

Jones, William V., EMNRD

From: Brian Collins <BCollins@concho.com>
Sent: Thursday, February 07, 2013 10:10 AM
To: Jones, William V., EMNRD
Cc: Bobbie Goodloe
Subject: COG Bufflehead 10 Fed SWD 1 Delaware Tops

Will:

Here's the Delaware tops you requested for the Bufflehead 10 Fed SWD 1 in Sec 10-205-32e:

Delaware (Lamar) 4536'
Bell Canyon 4564'
Cherry Canyon 5538' ✓
Brushy Canyon 6926'
Bone Spring 8695'

I think the geologist is working on the Pintail tops and I'll send them to you when I get them. Thanks.

Brian Collins

Senior Operations Engineer
NM Basin Team

COG OPERATING LLC
2208 W. Main Street
Artesia, New Mexico 88210-3720
Phone # 575.748.6924
Email: bcollins@concho.com



CONFIDENTIALITY NOTICE: The information in this email may be confidential and/or privileged. If you are not the intended recipient or an authorized representative of the intended recipient, you are hereby notified that any review, dissemination or copying of this email and its attachments, if any, or the information contained herein, is prohibited. If you have received this email in error, please immediately notify the sender by return email and delete this email from your system. Thank you.

Jones, William V., EMNRD

From: Jones, William V., EMNRD
Sent: Friday, December 28, 2012 12:24 PM
To: Brian Collins
Cc: Ezeanyim, Richard, EMNRD
Subject: Bufflehead and Pintail areas

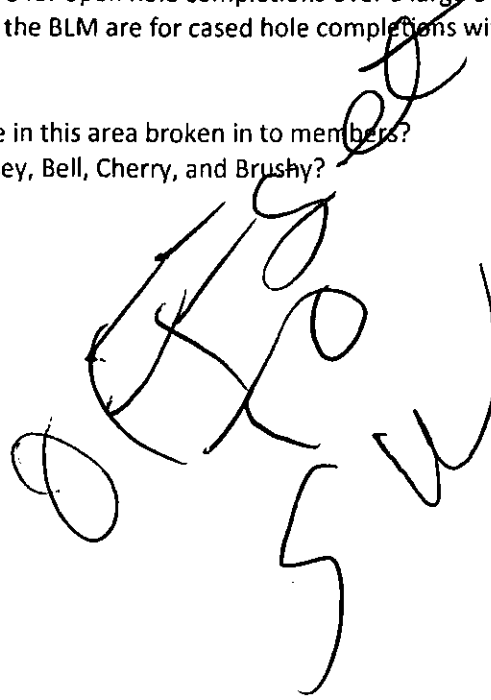
Brian,

In this area, it seems the original applications were for open hole completions over a large Delaware section – the latest applications after protests from Mewbourne and the BLM are for cased hole completions with a contracted Delaware interval.

I see the top of the Delaware, but is the Delaware in this area broken in to members?
If so, where do you guys pick the top of the Ramsey, Bell, Cherry, and Brushy?

Thank You!

William V. Jones, P.E.
505-476-3448W 505-476-3462F
Engineering Bureau, Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

A large, stylized handwritten signature in black ink, likely belonging to William V. Jones, is written over the right side of the email body. The signature is cursive and somewhat abstract, with a large 'W' and 'J' being prominent.

Jones, William V, EMNRD

From: Jones, William V, EMNRD
Sent: Tuesday, March 24, 2015 12:19 PM
To: 'Kayla McConnell'
Cc: Goetze, Phillip, EMNRD; Kautz, Paul, EMNRD; 'efernand@blm.gov'
Subject: BTA Oil Producers, LLC - 8105 JV-P Mesa SWD #1W - Notification

Hi Kayla,

Was getting ready to release this and saw a couple things:

- a. Would you send evidence that COG Operating, LLC was sent notice for this one? (They are shown as owners in the E2 Sec 10 and I didn't see that they received a notice.)

- b. One other thing I see:

This proposed Bell C / Cherry C disposal well is about ½ mi NE of the SWD-1395 (located in I-Sec 10-T26S-R32E) owned and permitted by COG.

That well was originally proposed for about the same interval you are proposing here.

Both the BLM and Mewbourne protested and the well was moved a bit East and the interval reduced - resulting interval was reduced to 5700 – 6420 feet which is middle Cherry Canyon.

Apparently the middle Cherry Canyon was not a worry but Bell Canyon and lower Cherry Canyon was a problem in that case.

Would you run this information by your engineer/geologists and let me know what they say?

They may have some simple explanation of why your proposed location is less apt to be productive.

The permit will likely have a requirement to mudlog and open hole log this proposed interval – so we can check productivity and record data that way.

Thanks Much,

Will

Jones, William V, EMNRD

From: Pam Inskeep <Pinskeep@btaoil.com>
Sent: Wednesday, March 25, 2015 9:40 AM
To: Jones, William V, EMNRD
Cc: Kayla McConnell
Subject: REPLY: BTA Oil Producers, LLC - 8105 JV-P Mesa SWD #1W

Hi, Will.

In response to the two remaining questions regarding our application for the referenced:

- 1) Our geologist has reviewed the mudlog and recently acquired open hole logs for our 8105 JV-P Mesa #2H (30-025-41289) over the proposed disposal interval. Based on the logs, our originally proposed disposal interval does not appear productive of hydrocarbons.
- 2) We are in agreement with the possible permit requirement to mudlog and open hole log the proposed injection interval.

Please give a shout, should there be anything additional required.

Thanks for your time on this.

Pam

From: Kayla McConnell [<mailto:KMcConnell@btaoil.com>]
Sent: Tuesday, March 24, 2015 2:42 PM
To: Jones, William V, EMNRD
Subject: RE: BTA Oil Producers, LLC - 8105 JV-P Mesa SWD #1W - Notification

Will,

- A. I failed to notice COG Operating, LLC. I attached the amended notification list including COG and sent them a certified letter this afternoon. If I hear anything back from them I will let you know.
- B. I sent this information to our engineer/geologist. As soon as I hear back from him, I will let you know his response.

Thank you, I appreciate your time.

Kayla McConnell
BTA Oil Producers, LLC
432-682-3753

From: Jones, William V, EMNRD [<mailto:WilliamV.Jones@state.nm.us>]
Sent: Tuesday, March 24, 2015 1:19 PM

Jones, William V, EMNRD

From: Kayla McConnell <KMcConnell@btaoil.com>
Sent: Tuesday, March 24, 2015 2:42 PM
To: Jones, William V, EMNRD
Subject: RE: BTA Oil Producers, LLC - 8105 JV-P Mesa SWD #1W - Notification
Attachments: 8105 JV-P Mesa SWD #1W Attachment to C-108.pdf

Will,

- A. I failed to notice COG Operating, LLC. I attached the amended notification list including COG and sent them a certified letter this afternoon. If I hear anything back from them I will let you know.
3/24/15 + 15 = 4/9/15 Release
- B. I sent this information to our engineer/geologist. As soon as I hear back from him, I will let you know his response.

Thank you, I appreciate your time.

Kayla McConnell
BTA Oil Producers, LLC
432-682-3753

From: Jones, William V, EMNRD [mailto:WilliamV.Jones@state.nm.us]
Sent: Tuesday, March 24, 2015 1:19 PM
To: Kayla McConnell
Cc: Goetze, Phillip, EMNRD; Kautz, Paul, EMNRD; efernand@blm.gov
Subject: BTA Oil Producers, LLC - 8105 JV-P Mesa SWD #1W - Notification

Hi Kayla,

Was getting ready to release this and saw a couple things:

- a. Would you send evidence that COG Operating, LLC was sent notice for this one? (They are shown as owners in the E2 Sec 10 and I didn't see that they received a notice.)
- b. One other thing I see:

This proposed Bell C / Cherry C disposal well is about ½ mi NE of the SWD-1395 (located in I-Sec 10-T26S-R32E) owned and permitted by COG.

That well was originally proposed for about the same interval you are proposing here.

Both the BLM and Mewbourne protested and the well was moved a bit East and the interval reduced - resulting interval was reduced to 5700 – 6420 feet which is middle Cherry Canyon.

Apparently the middle Cherry Canyon was not a worry but Bell Canyon and lower Cherry Canyon was a problem in that case.

Would you run this information by your engineer/geologists and let me know what they say?

They may have some simple explanation of why your proposed location is less apt to be productive.

The permit will likely have a requirement to mudlog and open hole log this proposed interval – so we can check productivity and record data that way.

Jones, William V, EMNRD

From: Goetze, Phillip, EMNRD
Sent: Thursday, February 26, 2015 12:50 PM
To: Pam Inskeep; Kayla McConnell
Cc: Jones, William V, EMNRD; McMillan, Michael, EMNRD
Subject: BTA Oil Producers

Pam and Kayla:

I've discussed OCD's request with Mr. Eaton for perforated casing versus the application's proposed open-hole completion for the Delaware interval. In both cases, the wells will be completed with casing and perfed. Both applications can be approved with the following supplemental info:

8115 JV-P Mesa B Well No. 2 (P-7-26S-33E): What Will requested in his e-mail of December 26, 2014 is all that's needed.

8105 JV-P Mesa SWD Well No. 1W (F-11-26S-33E): (1) New well construction diagram (also with the packer set no greater than 100 feet from the top perforation); (2) Need to have a similar map showing ownership (same type as requested by Will) and (3) Copies of the return receipts. Due to the proximity of the Mesa B, the water analyses requested for the well will suffice for this application.

Orders for each well will be submitted to the Director as soon as the additional information is received. If you have any questions regarding the requests, please call or e-mail when possible. Thank you for your patience in this process. PRG

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



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

ORDER TYPE: WFX / PMX / SWD Number: 1531 Order Date: 03/ ~~Legacy Permit/Order~~Well No. #1 Well Name(s): ~~8105 JV P Mesa SWD~~ MESA 8105 SWD JV-P#1API: 30-0 25-NA Spud Date: NAT/et (New) or Old: _____ (UIC Class II Primacy 03/07/1982)Footages 1800FWL/1900 FWL Lot - or Unit F Sec 11 Tsp 26S Rge 32E County LeaGeneral Location: 23 mi NE of Red BLUFF Pool: SWD: Bell C Cherry C (Bell & Cherry) Pool No.: _____BLM 100K Map: _____ Operator: BTA Oil Producers, LLC OGRID: _____ Contact: Kayla / PamCOMPLIANCE RULE 5.9: Total Wells: ☒ Inactive: ☒ Fincl Assur: OK Compl. Order? ☐ IS 5.9 OK? ☒ Date: 3/24/15WELL FILE REVIEWED ☒ Current Status: No APD filed; requested new completion with prod. casingWELL DIAGRAMS: NEW: Proposed ☐ or RE-ENTER: Before Conv. ☐ After Conv. ☐ Logs in Imaging: ☐Planned Rehab Work to Well: Drill/Perf/ing

Well Construction Details		Sizes (in) Borehole / Pipe	Setting Depths (ft)	Cement Sx or Cf	Cement Top and Determination Method	
Planned <input checked="" type="checkbox"/> or Existing <input type="checkbox"/> Surface		<u>17 1/2 - 13 1/8</u>		Stage Tool	<u>635</u>	<u>CIRC</u>
Planned <input checked="" type="checkbox"/> or Existing <input type="checkbox"/> Interm/Prod		<u>12 1/4 - 9 5/8</u>			<u>1200</u>	<u>CIRC</u>
Planned <input type="checkbox"/> or Existing <input type="checkbox"/> Interm/Prod						
Planned <input checked="" type="checkbox"/> or Existing <input type="checkbox"/> Prod/Liner		<u>8 1/4 - 7"</u>			<u>800</u>	<u>CIRC</u>
Planned <input type="checkbox"/> or Existing <input type="checkbox"/> Liner						
Planned <input checked="" type="checkbox"/> or Existing <input type="checkbox"/> OH/PERF			<u>4850' - 7000'</u>	Inj Length		

Injection Lithostratigraphic Units:		Depths (ft)	Injection or Confining Units	(~) Tops
Adjacent Unit: Litho. Struc. Por.		<u>4850'</u>	<u>Bell C</u>	<u>4564</u>
Confining Unit: Litho. Struc. Por.			<u>Cherry C</u>	<u>5538</u>
Proposed Inj Interval TOP:		<u>4850'</u>	<u>Bell C</u>	
Proposed Inj Interval BOTTOM:		<u>7000'</u>	<u>Cherry C</u>	
Confining Unit: Litho. Struc. Por.			<u>Brushy C</u>	<u>6926</u>
Adjacent Unit: Litho. Struc. Por.			<u>B-S</u>	<u>8695</u>

Completion/Operation Details:	
Drilled TD	<u>7000'</u>
PBTD	<u>NEW PBTD</u>
NEW TD	<u>7000'</u>
NEW Open Hole	<input type="checkbox"/> or NEW Perfs <input checked="" type="checkbox"/>
Tubing Size	<u>3 1/2</u> in. Inter Coated? <input type="checkbox"/>
Proposed Packer Depth	<u>4800</u> ft
Min. Packer Depth	(100-ft limit)
Proposed Max. Surface Press.	psi
Admin. Inj. Press.	<u>970</u> (0.2 psi per ft)

AOR: Hydrologic and Geologic Information

POTASH: R-TTP Noticed? ☐ BLM Sec Ord ☐ WIPP ☐ Noticed? ☐ Salt/Salado T: 1270 B: 4470 NW: Chin House 1m

FRESH WATER: Aquifer _____ Max Depth _____ HYDRO AFFIRM STATEMENT By Qualified Person ☒

NMOSE Basin: CAPITAN REEF thru ☐ NAO ☐ No. Wells within 1-Mile Radius? ☐ FW Analysis ☐

Disposal Fluid: Formation Source(s) _____ Analysis? _____ On Lease ☐ Operator Only ☐ or Commercial ☐

Disposal Int: Inject Rate (Avg/Max BWPD): _____ Protectable Waters? _____ Source: _____ System: Closed ☐ or Open ☐

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

AOR Wells: 1/2-M Radius Map? ☒ Well List? ☒ Total No. Wells Penetrating Interval: 1 Horizontals? yes

Penetrating Wells: No. Active Wells 1 Num Repairs? 0 on which well(s)? _____ Diagrams? _____

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

NOTICE: Newspaper Date 9/6/14 Mineral Owner WIG Surface Owner BLM N. Date 9/12/14

RULE 26.7(A): Identified Tracts? _____ Affected Persons: Yates / COE / New Bama / KF? / Piron N. Date _____

Order Conditions: Issues: _____

Add Order Cond: ? Sand Proof