

3/7/2015 DATE IN	SUSPENSE	PRG ENGINEER	3/24/2015 LOGGED IN	SWD TYPE	PMAM1508348448 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



8711 Chiso SWD #1

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,

[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

3/11/2015
Date

kmcconnell@btaoil.com
e-mail Address

-SWD
-BTA Oil Productions LLC
260 297
Well
-Chiso 8711 JUP
#1
30025-30141
Pool
-SWD's Miss-Devonian
96319



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 11, 2015

Re: Application for Authorization to Inject
8711 Chiso SWD #1
660' FNL & 1830' FWL
Section 14, T22S, R34E
Lea County, New Mexico

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

Attn: Mr. Phillip Goetze

Dear Mr. Goetze,

BTA Oil Producers, LLC hereby seeks approval for Authorization to Inject at the above referenced location. We are proposing to re-enter this P&A well and convert into an injection 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 000
2015 MAR 17 4 03 38

APPLICATION FOR AUTHORIZATION TO INJECT

8711 Chiso SWD #1

- 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 McConnell TITLE: Regulatory Analyst
SIGNATURE: Kayla McConnell DATE: 3/11/2015
E-MAIL ADDRESS: kmccconnell@btaoil.com
- * If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be resubmitted. Please show the date and circumstances of the earlier submittal: _____

III. WELL DATA

A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:

- (1) Lease name; Well No.; Location by Section, Township and Range; and footage location within the section.
- (2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.
- (3) A description of the tubing to be used including its size, lining material, and setting depth.
- (4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District Offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.

- (1) The name of the injection formation and, if applicable, the field or pool name.
- (2) The injection interval and whether it is perforated or open-hole.
- (3) State if the well was drilled for injection or, if not, the original purpose of the well.
- (4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.
- (5) Give the depth to and the name of the next higher and next lower oil or gas zone in the area of the well, if any.

XIV. PROOF OF NOTICE

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

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

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

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

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

INJECTION WELL DATA SHEET

OPERATOR: BTA Oil Producers, LLCWELL NAME & NUMBER: 8711 Chiso SWD #1WELL LOCATION: 660' FNL & 1830' FWL, Sec. 14, T22S, R34E, Lea County, NM

FOOTAGE LOCATION

UNIT LETTER

SECTION

TOWNSHIP

RANGE

WELLBORE SCHEMATICWELL CONSTRUCTION DATASurface CasingHole Size: 20" Casing Size: 16"Cemented with: 1900 sx. *or* ft³Top of Cement: Surface Method Determined: Circ.Intermediate CasingHole Size: 14-3/4" Casing Size: 10-3/4"Cemented with: 3000 sx. *or* ft³Top of Cement: Surface Method Determined: Circ.Production CasingHole Size: 9-1/2" Casing Size: 7-5/8"Cemented with: 2100 sx. *or* ft³
DV tool @ 5987'Top of Cement: Surface Method Determined: Circ.Total Depth: 14,754'Injection IntervalProposed 13,500' feet to 14,754' (Open Hole)

(Perforated or Open Hole; indicate which)

Side 1A

INJECTION WELL DATA SHEET

OPERATOR: BTA Oil Producers, LLC

WELL NAME & NUMBER: 8711 Chiso SWD #1

WELL LOCATION: 660' FNL & 1830' FWL, Sec. 14, T22S, R34E, Lea County, NM

FOOTAGE LOCATION

UNIT LETTER

SECTION

TOWNSHIP

RANGE

WELLBORE SCHEMATIC

WELL CONSTRUCTION DATA

Liner

Hole Size: 6-1/2"

Liner Size 5"

Cemented with: 360 sx.

or ft³

Top of Cement:

Method Determined:

Other

Hole Size:

Casing Size:

Cemented with: sx.

or ft³

Top of Cement:

Method Determined:

Injection Interval

Proposed 13,500' feet to 14754' (Open Hole)

(Perforated or Open Hole; indicate which)

INJECTION WELL DATA SHEETTubing Size: 3-1/2" Lining Material: Internally plastic-coatedType of Packer: Arrowset 1XPacker Setting Depth: 13,485'

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

Additional Data

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

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

P&A 8-5-94

2. Name of the Injection Formation: Barnett, Mississippian, Woodford, Devonian

3. Name of Field or Pool (if applicable): SWD; BAR-MISS-WOOD-DEV

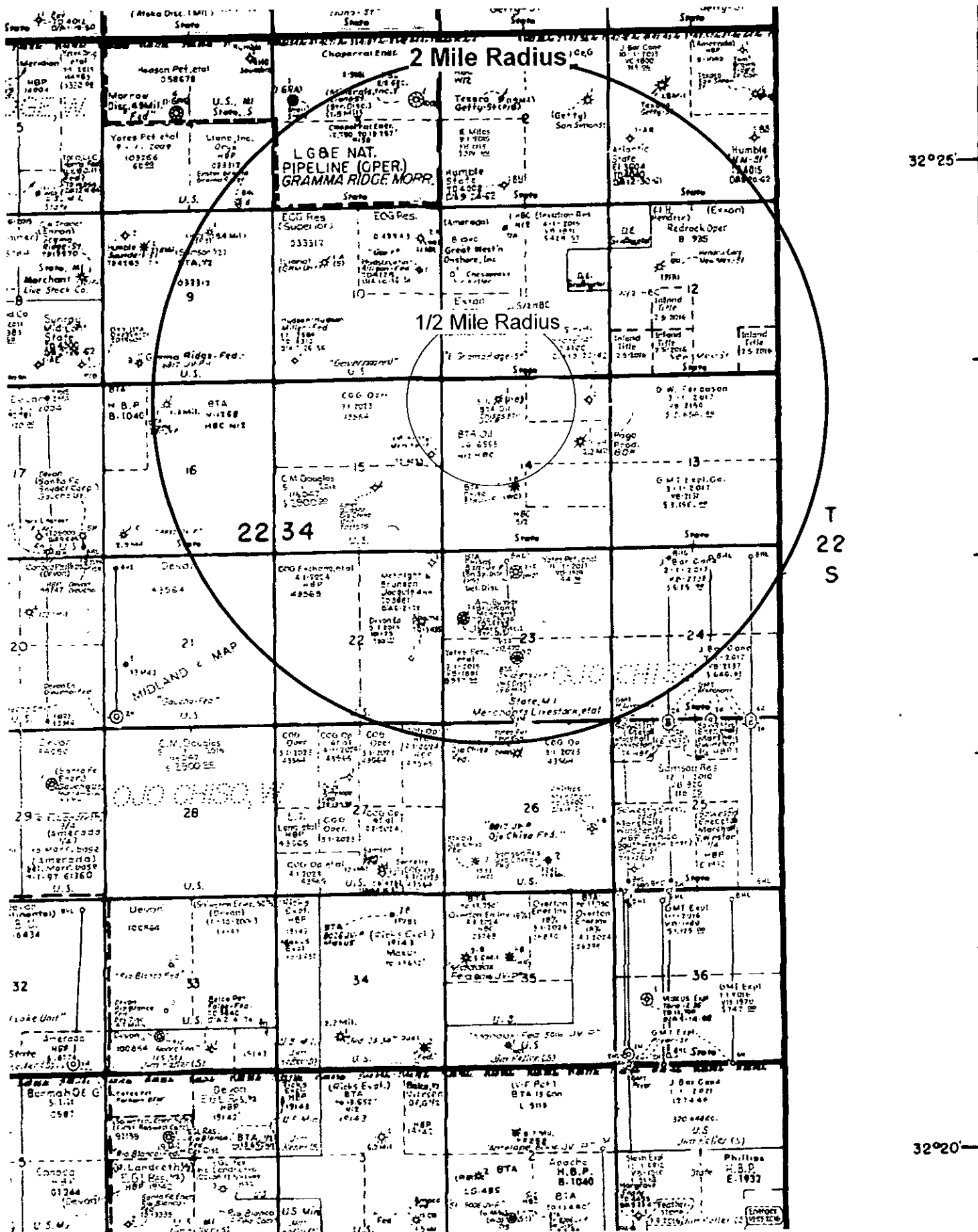
4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. Yes, see detail in

VI AOR Well Data.

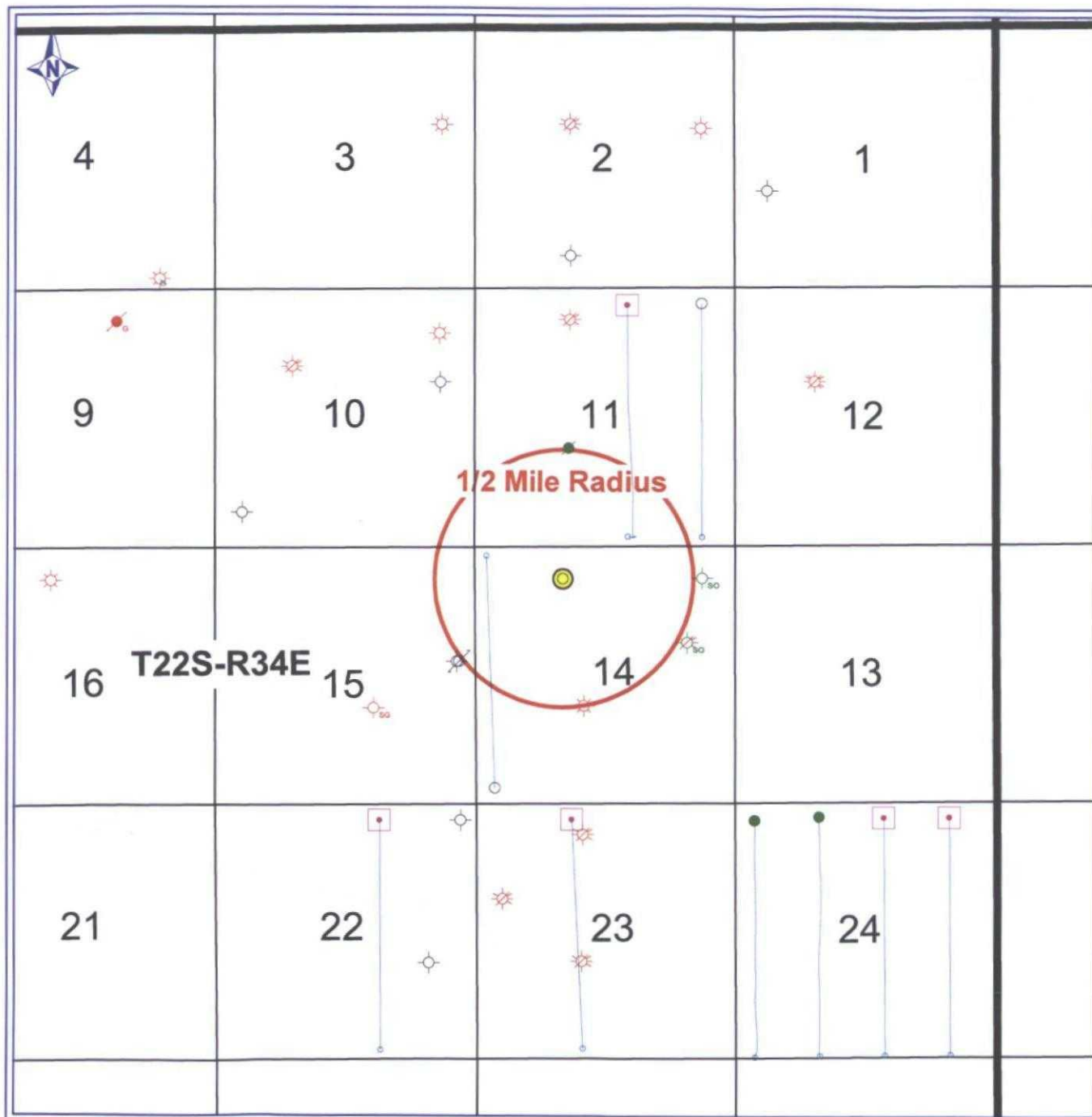
5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: Anhydrite 1,675', Yates 3,595', Bone Spring 8,459', Strawn 11,708', Morrow 12,600',

Mississippian 13,755', Devonian 14,364', Silurian 16,000'

Wells within 1/2 mile and 2 mile radius



Attachment to C-108
BTA Oil Producers, LLC
8711 Chiso SWD #1
API: 30-025-30141




 BTA Oil Producers, LLC	
8711 Chiso SWD #1	
1/2 Mile Radius Map 660' FNL & 1830' FWL, Sec14, T22S, R34E Lea County, New Mexico	
WELL SYMBOLS <ul style="list-style-type: none"> Location Only Drilled, Waiting on Completion Oil Well Gas Well Dry Hole Plugged & Abandoned Oil Well Plugged & Abandoned Gas Well Junked Dry Hole With Gas Show Dry Hole With Oil Show Gas Injection Well 	
REMARKS 8711 JV-P Chiso #1SWD 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	
 FEET	

Exhibit "A"

API #	Operator	Well Name	Well No.	Sec	Twn	Rng	Footage Calls	TOC
30025084690000	ATLANTIC REFG CO	STATE AR	1	1	22S	34E	1980'FSL & 660'FWL	P&A
30025084700000	HUMBLE OIL & REFG CO	NEW MEXICO 'BU' STATE	1	2	22S	34E	660'FSL & 1980'FWL	P&A
30025084760000	HUDSON & HUDSON	MILLER-FEDERAL	1	10	22S	34E	660'FSL & 660'FWL	P&A
30025084770000	HUDSON & HUDSON	ALLISON-FEDERAL	1	10	22S	34E	1980'FNL & 660'FEL	P&A
30025084780000	SMITH ROY	STATE 14	1	14	22S	34E	660'FNL & 660'FEL	P&A
30025084790000	MARLAND OIL CO	LB MERCHANT PERMIT	1	15	22S	34E	2340'FNL & 380'FEL	NA
30025125660000	MARLAND OIL CO	LB MERCHANT PERMIT	1	15	22S	34E	2340'FNL & 330'FEL	NA
30025217190000	EOG RES INC	GOVERNMENT A	1	10	22S	34E	1650'FNL & 1650'FWL	P&A
30025241460000	MCKNIGHT BYRON & NOL	JACQUIE ANN	1	22	22S	34E	330'FNL & 330'FEL	P&A
30025244590000	AMERICAN QUASAR PETRO	OJO CHISO UNIT	1	23	22S	34E	1980'FNL & 660'FWL	P&A
30025244590001	AMERCN QUASAR PETRO	OJO CHISO U	1	23	22S	34E	1980'FNL & 660'FWL	P&A
30025247800000	AMERCN QUASAR PETRO	OJO CHISO UNIT	2	15	22S	34E	1980'FSL & 2080'FEL	P&A
30025256170000	MITCHELL ENERGY CORP	TWO STATE	1	2	22S	34E	1980'FNL & 1980'FWL	P&A
30025256170001	TEXACO PROD INC	GETTY 2 STATE COM	1	2	22S	34E	1980'FNL & 1980'FWL	P&A
30025256170002	MITCHELL ENERGY CORP	GETTY 2 STATE COM	1	2	22S	34E	1980'FNL & 1980'FWL	P&A
30025265050000	HENDRIX HENDRIX JOHN H CORP	NEW MEX /DU/ STATE	1	12	22S	34E	1980'FNL & 1650'FWL	P&A
30025265050001	HENDRIX JOHN H CORP	NEW MEXICO 'DU' STATE	1	12	22S	34E	1980'FNL & 1650'FWL	P&A
30025266900000	HADSON PETR (USA) INC	LLANO '3' STATE COM	1	3	22S	34E	1980'FNL & 660'FEL	2,565'
30025266900001	MINERALS INC	LLANO '3' STATE COM	1	3	22S	34E	1980'FNL & 660'FEL	2,565'
30025267720000	BURGUNDY O&G OF NM INC	GETTY '2' STATE	2	2	22S	34E	2080'FNL & 660'FEL	NA
30025267720001	GETTY OIL COMPANY	GETTY '2' STATE	2	2	22S	34E	2080'FNL & 660'FEL	NA
30025268080000	OXY USA INC	BKD COM	1	14	22S	34E	1980'FNL & 960'FEL	P&A
30025268080001	POGO PRODUCING CO	BKD COM	1	14	22S	34E	1980'FNL & 960'FEL	P&A
30025279070000	GREAT WESTERN ONSHORE INC	STATE	1	11	22S	34E	660'FNL & 1980'FWL	P&A
30025284420000	EOG RES INC	GOVERNMENT 'A'	2	10	22S	34E	990'FNL & 660'FEL	Surface
30025286390000	EXXONMOBIL CORP	STATE COM	2	11	22S	34E	1980'FSL & 1980'FWL	Surface
30025297950000	APACHE CORP	FEDERAL '22'	1	22	22S	34E	1980'FSL & 990'FEL	P&A
30025301410000	BTA OIL PRODUCERS, LLC	CHISO 8711 JV-P	1	14	22S	34E	660'FNL & 1830'FWL	P&A
30025301410001	BTA OIL PRODUCERS, LLC	CHISO 8711 JV-P	1	14	22S	34E	660'FNL & 1830'FWL	P&A
30025302650000	BTA OIL PRODUCERS, LLC	CHISO 'B' 8711 JV-P COM	1	14	22S	34E	1980'FSL & 2310'FWL	Surface
30025304050000	BTA OIL PRODUCERS, LLC	CHISO 'C' 8711 JV-P	1	23	22S	34E	660'FNL & 2310'FWL	P&A
30025304050001	BTA OIL PRODUCERS, LLC	CHISO 'C' 8711 JV-P	1	23	22S	34E	660'FNL & 2310'FWL	P&A
30025304050002	BTA OIL PRODUCERS, LLC	CHISO 'C' 8711 JV-P	1	23	22S	34E	660'FNL & 2310'FWL	P&A

Exhibit "A"

API #	Operator	Well Name	Well No.	Sec	Tw	Rng	Footage Calls	TOC
30025304590000	SAMSON RES CO	CHISO 'D' 8711 JV-P	1	23	22S	34E	1980'FSL & 2310'FWL	P&A
30025304590001	BTA OIL PRODUCERS, LLC	CHISO -D- 8711 JV-P	1	23	22S	34E	1980'FSL & 2310'FWL	P&A
30025305610000	BTA OIL PRODUCERS, LLC	GRAMA 8817 JV-P COM	1	16	22S	34E	660'FNL & 1980'FWL	Surface
30025306860000	ENSTOR GRAMA RIDGE	GRAMA RIDGE FEDERAL	1	9	22S	34E	660'FNL & 1980'FEL	6,550'
30025306860001	ENSTOR GRAMA RIDGE	GRAMA RIDGE FEDERAL 8817 JV-P	1	9	22S	34E	660'FNL & 1980'FEL	6,550'
30025399220000	ENSTOR GRAMA RIDGE	GRAMA RIDGE MORROW UNIT	8	4	22S	34E	126'FSL & 1048'FEL	Surface
30025409340000	GMT EXP CO LLC	MERCHANT LIVESTOCK STATE COM 24	1H	24	22S	34E	20'FSL & 380'FWL	Surface
30025413470000	GMT EXP CO LLC	MERCHANT LIVESTOCK 24 STATE COM	2H	24	22S	34E	40'FSL & 1700'FWL	NA
30025413480000	GMT EXPLOR CO LLC	MERCHANT LIVESTOCK 24 STATE COM	3H	24	22S	34E	40'FSL & 3020'FWL	NA
30025413490000	GMT EXPLOR CO LLC	MERCHANT LIVESTOCK 24 STATE COM	4H	24	22S	34E	40'FSL & 4340'FWL	Est. Surface
30025414580000	YATES PETRO CORP	TOUR BUS STATE COM	1H	23	22S	34E	200'FSL & 2180'FWL	Est. Surface
30025420020000	MEWBOURNE OIL CO	CABRA LOCA 11 B3OB STATE	1H	11	22S	34E	200'FSL & 2150'FEL	Surface
30025421220000	BTA OIL PRODUCER LLC	CHISO 14 STATE 8711	1H	14	22S	34E	180'FNL & 250'FWL	Est. Surface
30025421490000	MEWBOURNE OIL CO	CABRA LOCA 11 B3PA STATE COM	1H	11	22S	34E	185'FSL & 660'FEL	Est. Surface
30025422880000	MEWBOURNE OIL CO	PERRO LOCO 22 B3OB FEDERAL	1H	22	22S	34E	185'FSL & 1980'FEL	NA

Attachment to C-108

BTA Oil Producers, LLC

8711 Chiso SWD #1

API: 30-025-30141

BTA Oil Producer, LLC
8711 Chiso SWD #1
660' FNL & 1830' FWL
Attachement to C-108

HALF MILE RADIUS												
API #	Operator	Well Name	Well No.	TD	Sec	Tw	Rng	Footage Calls	Spud Date	Comp Date	Status	Prod Fm
30025301410000	BTA OIL PRODUCERS, LLC	CHISO 8711 JV-P	1	13500	14	22S	34E	660'FNL & 1830'FWL	11/2/1987	2/19/1988	DRY	
30025301410001	BTA OIL PRODUCERS, LLC	CHISO 8711 JV-P	1	13500	14	22S	34E	660'FNL & 1830'FWL	7/5/1994	8/5/1994	PAGW	MRRW
30025420020000	Mewbourne Oil Company	CABRA LOCA 11 B30B STATE	1H	15740	11	22S	34E	200'FSL & 2150'FEL	8/31/2014	12/2/2014	Oil	Bone Spring



Attachment to C-108
BTA Oil Producers, LLC
8711 Chiso SWD #1
API: 30-025-30141

BTA Oil Producers, LLC

8711 Chiso SWD #1

Active Operator Map

660' FNL & 1830' FWL, Sec14, T22S, R34E

Lea County, New Mexico

WELL SYMBOLS

- Location Only
- Drilled, Waiting on Completion
- Oil Well
- Gas Well

REMARKS

Only Active Locations Shown on Map

By: JHB



T22S-R34E

10

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15

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22

23

24

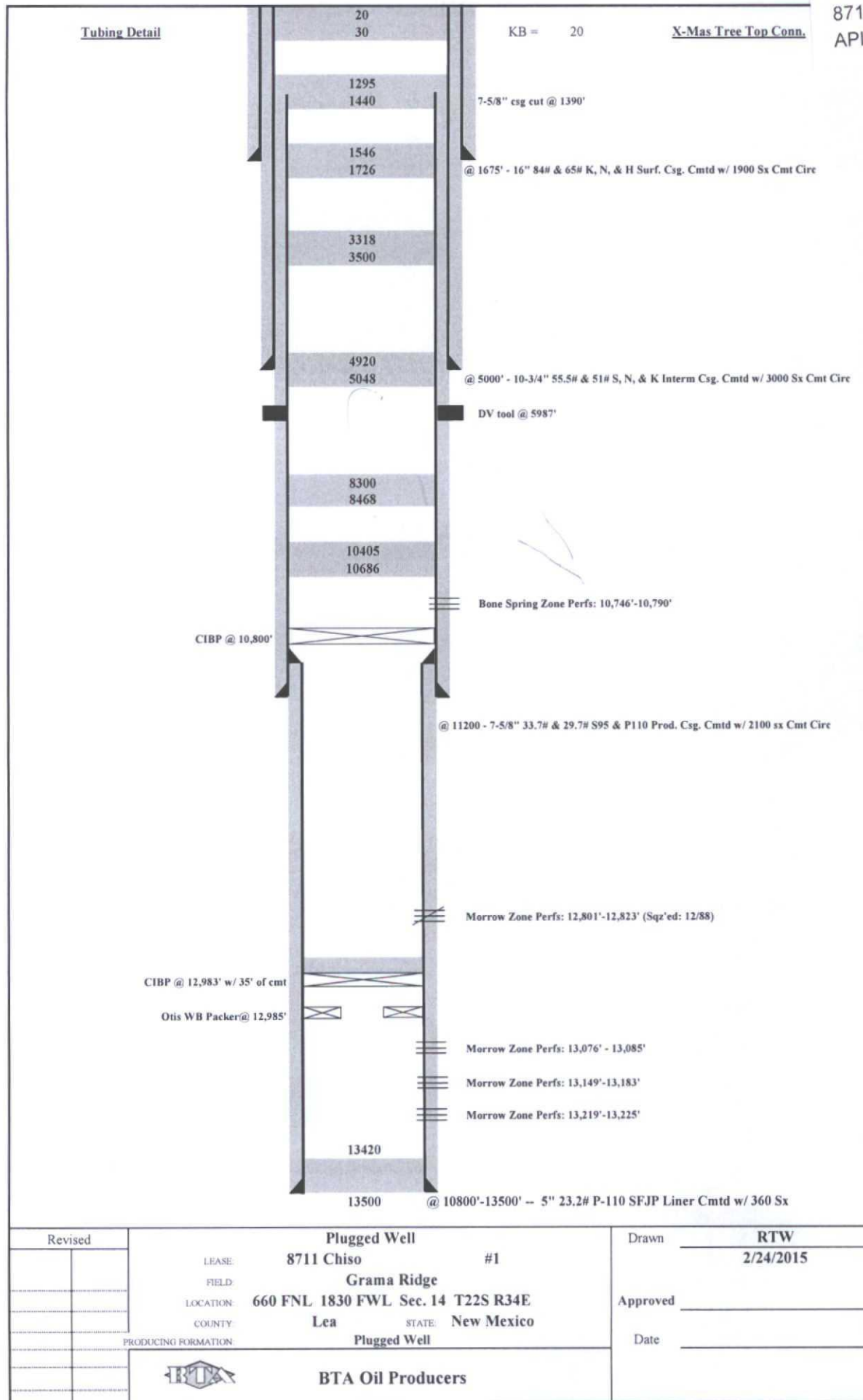
BTA Oil Producers, LLC
 8711 Chiso SWD #1
 660' FNL & 1980' FWL
 Attachment to C-108

Active Operator Well List							
API #	Operator	Well Name	Well No.	Sec	Tw	Rng	Footage Calls
30025284420000	EOG RESOURCES INC	GOVERNMENT `A`	2	10	22S	34E	990'FNL & 660'FEL
30025420020000	MEWBOURNE OIL CO	CABRA LOCA 11 B3OB STATE	1H	11	22S	34E	200'FSL & 2150'FEL
30025421490000	MEWBOURNE OIL CO	CABRA LOCA 11 B3PA STATE COM	1H	11	22S	34E	185'FSL & 660'FEL
30025265050001	HENDRIX JOHN H CORP	NEW MEXICO `DU` STATE	1	12	22S	34E	1980'FNL & 1650'FWL
30025301410000	BTA OIL PRODUCERS, LLC	CHISO 8711 JV-P	1SWD	14	22S	34E	660'FNL & 1830'FWL
30025302650000	BTA OIL PRODUCERS, LLC	CHISO `B` 8711 JV-P COM	1	14	22S	34E	1980'FSL & 2310'FWL
30025421220000	BTA OIL PRODUCER, LLC	CHISO 14 STATE 8711	1H	14	22S	34E	180'FNL & 250'FWL
30025422880000	MEWBOURNE OIL CO	PERRO LOCO 22 B3OB FEDERAL	1H	22	22S	34E	185'FSL & 1980'FEL
30025414580000	YATES PETRO CORP	TOUR BUS STATE COM	1H	23	22S	34E	200'FSL & 2180'FWL
30025409340000	GMT EXPLOR CO LLC	MERCHANT LIVESTOCK STATE COM 24	1H	24	22S	34E	20'FSL & 380'FWL
30025413470000	GMT EXPLOR CO LLC	MERCHANT LIVESTOCK 24 STATE COM	2H	24	22S	34E	40'FSL & 1700'FWL
30025413480000	GMT EXPLOR CO LLC	MERCHANT LIVESTOCK 24 STATE COM	3H	24	22S	34E	40'FSL & 3020'FWL
30025413490000	GMT EXPLOR CO LLC	MERCHANT LIVESTOCK 24 STATE COM	4H	24	22S	34E	40'FSL & 4340'FWL

BTA Oil Producer, LLC
 8711 Chiso SWD #1
 660' FNL & 1830' FWL
 Attachement to C-108

VI. AOR Well Data

Well Name	Operator	Location	Type of Well	Spud Date	Comp Date	TD/ PBTD	Comp Interval	Producing Formation	Casing Program (Proposed *)				Plugging Detail
									Casing	Depth	Amt Cmt	Circ	
8711 Chiso SWD #1 (Proposed)	BTA Oil Producers, LLC	660' FNL & 1830' FWL 14-T22S-R34E	DISP	P&A Well Conversion	P&A Well Conversion	14754' MD Proposed	(Disp.) 13500'-14754' Proposed	(Disp.) Barnett; Mississippian; Woodford; Devonian	16" 10-3/4" 7-5/8" 5" Liner Open Hole *	1675' 5000' 11200' 13500' 14754' *	1900 3000 2100 360 Open Hole *	Circ Circ Circ 10800' Open Hole *	
8711 JV-P Chiso #1 API: 30-025-30141	BTA Oil Producers, LLC	660' FNL & 1830' FWL 14-T22S-R34E	P&A	11/20/1987	2/10/1988	13500' MD	P&A	P&A	16" 10-3/4" 7-5/8" 5" Liner	1675' 5000' 11200' 13500'	1900 3000 2100 360	Circ Circ Circ 10800'	See Attached Schematic & C-103
Cabra Loca 11 B30B State #1H API: 30-025-42002	Mewbourne Oil Company	SL: 200'FSL & 2150'FEL BH:340'FNL & 2150'FEL 11-T22S-R34E	Oil	8/31/2014	12/2/2014	15740' MD 11207' TD	11633'-15395'	Ojo Chiso; Bone Spring	13-3/8" 9-5/8" 7" 4-1/2" Liner	1700' 5551' 11600' 15740'	1200 1150 1100 500	Circ Circ Circ 10803'	



Attachment to C-108
BTA Oil Producers, LLC
8711 Chiso SWD #1
API: 30-025-30141

State of New Mexico
Minerals and Natural Resources Department

COPY

Form C-103
Revised 1-1-89

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

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

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

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

WELL API NO. 30-025-30141
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. LG 6555
7. Lease Name or Unit Agreement Name 002303 Chiso, 8711 JV-P
8. Well No. 1
9. Pool name or Wildcat 96038 Wildcat

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>
2. Name of Operator BTA Oil Producers
3. Address of Operator 104 S. Pecos, Midland, TX 79701
4. Well Location Unit Letter <u>C</u> : <u>660</u> Feet From The <u>North</u> Line and <u>1830</u> Feet From The <u>West</u> Line Section <u>14</u> Township <u>22S</u> Range <u>34E</u> NMPM Lea County

10. Elevation (Show whether DF, RKB, RT, GR, etc.) 3524' GR 3544' RKB
--

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data	
NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>
OTHER: <input type="checkbox"/>	PLUG AND ABANDONMENT <input checked="" type="checkbox"/>
	CASING TEST AND CEMENT JOB <input type="checkbox"/>
	OTHER: <input type="checkbox"/>

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

8-1-94: MIRU pulling unit - Kill well, ND well head & NU BOP, Release pkr & POH w/tbg.

8-2-94: Spotted 50 sx cmt plug @ 10686-10405' (tagged).

8-3-94: Spotted 40 sx @ 8468-8300'
40 sx @ 5048-4920' (tagged)

8-4-94: Spotted 40 sx @ 3500-3318'
40 sx @ 1726-1546', Shot 7-5/8" csg @ 1390'
LD 3 jts (1406' of 7-5/8")

8-5-94: Spotted 75 sx @ 1440-1295' (tagged)
10 sx @ surface
P & A 8-5-94, Cut off well head & installed dry hole marker.

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

SIGNATURE Dorothy Houghton TITLE Regulatory Administrator DATE 8-12-94

TYPE OR PRINT NAME Dorothy Houghton TELEPHONE NO. (915) 682-3753

(This space for State Use)

APPROVED BY [Signature] TITLE Adm Rep DATE 2-13-03

CONDITIONS OF APPROVAL, IF ANY:

CONFIDENTIAL COPY

Form C-105
Revised 10-1-78

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

5a. Indicate Type of Lease
State ☒ Fee ☐
5. State Oil & Gas Lease No.
LG-6555

1a. TYPE OF WELL
OIL WELL ☐ GAS WELL ☒ DRY ☐ OTHER ☐
b. TYPE OF COMPLETION
NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER ☐
2. Name of Operator
BTA Oil Producers
3. Address of Operator
104 South Pecos; Midland, TX 79701
4. Location of Well
UNIT LETTER -C- LOCATED 660 FEET FROM THE North LINE AND 1830 FEET FROM THE West LINE OF SEC. 14 TWP. 22-S RGE. 34-E NMPM

7. Unit Agreement Name
8. Farm or Lease Name
Chiso, 8711 JV-P
9. Well No.
1
10. Field and Pool, or Wildcat
Ojo Chiso (Morrow)
12. County
Lea

15. Date Spudded 11-20-87
16. Date T.D. Reached 2-2-88
17. Date Compl. (Ready to Prod.) 2-10-88
18. Elevations (DF, RKB, RT, GR, etc.) 3,524' GR 3,544' RKB
19. Elev. Casinghead
20. Total Depth 13,500'
21. Plug Back T.D. 13,374'
22. If Multiple Compl., How Many
23. Interval, Rotary Tests Drilled By 13,500'
24. Producing interval(s), of this completion - Top, Bottom, Name 12,801-12,823' Morrow
25. Was Directional Survey Made No
26. Type Electric and Other Logs Run DIL/CNL/LDT
27. Was Well Cased No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
16"	65 & 84#	1,675'	20"	1900 sx - Circ	
10-3/4"	51 & 55.5#	5,000'	14-3/4"	3000 sx - Circ	
7-5/8"	29.7 & 33.7#	11,200'	9-1/2"	2100 sx - Circ DV @ 5987	

29. LINDER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
5"	10,800'	13,500'	360		2-7/8"	10,700'	10,700'

31. Perforation Record (Interval, size and number)
12,801'-12,808' w/2 JSPF (15-0.35" holes)
12,820'-12,823' w/2 JSPF (7-0.35" holes)
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.
DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED

33. PRODUCTION
Date First Production 2-9-88
Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing
Well Status (Prod. or Shut-in) Shut-in
Date of Test 2-10-88
Hours Tested 24 hrs
Choke Size 13/64"
Prod'n. For Test Period
Oil - Bbl. 24
Gas - MCF 2500
Water - bbl. 0
Gas - Oil Ratio 104,170
Flow Testing Process 1875
Casing Pressure Pkr
Calculated 24-Hr Flow Rate
Oil - Bbl. 24
Gas - MCF 2500
Water - Bbl. 0
OH Gravity - API (Corr.) 50

34. Disposition of Gas (Sold, used for fuel, vented, etc.)
Vented test - SI pending P/L connection
Test Witnessed By Tom Williams

35. List of Attachments
C-104, Inclination, Logs

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

SIGNED Regulatory Supervisor TITLE Regulatory Supervisor DATE 2-15-88

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 10 through 34 shall be reported for each zone. This form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northwestern New Mexico

T. Anhy <u>1,675'</u>	T. Canyon	T. Ojo Alamo	T. Penn. "D"
T. Salt	T. Strawn <u>11,708'</u>	T. Kittland-Fruitland	T. Penn. "C"
T. Salt	T. Atoka	T. Pictured Cliffs	T. Penn. "D"
T. Yates <u>3,595'</u>	T. Miss	T. Cliff House	T. Leadville
T. 7 Rivers	T. Devonian	T. Menefee	T. Madison
T. Queen	T. Silurian	T. Point Lookout	T. Elbert
T. Grayburg	T. Montoya	T. Mancos	T. McCracken
T. San Andres	T. Simpson	T. Gallup	T. Ignacio Quiz
T. Glorieta	T. McKee	Pase Greenhorn	T. Granite
T. Paddock	T. Ellenburger	T. Dakota	T.
T. Ulinebry	T. Gr. Wash	T. Morrison	T.
T. Tubb	T. Granite	T. Todillo	T.
T. Drinkard	T. Delaware Sand <u>5,765'</u>	T. Entrada	T.
T. Abo	T. Bone Springs <u>1m-8,450'</u>	T. Wingate	T.
T. Wolfcamp	T.	T. Chinle	T.
T. Penn.	T.	T. Pennian	T.
T. Circo (Hough C)	T.	T. Penn. "A"	T.

OIL OR GAS SANDS OR ZONES

No. 1, from <u>12,801'</u> to <u>12,823'</u>	No. 4, from _____ to _____
No. 2, from _____ to _____	No. 5, from _____ to _____
No. 3, from _____ to _____	No. 6, from _____ to _____

IMPORTANT WATER SANDS

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

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

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	3330	3330	Red beds, anhydrite, salt & sd.				
3330	4336	1006	Anhydrite & sand				
4336	6200	1864	Lime & sand				
6200	8980	2780	Lime, shale & sand				
8980	11100	2120	Lime, chert & shale				
11100	11785	685	Shale, sand & lime				
11785	12875	1090	Lime, chert & shale				
12875	13500	625	Shale & sand				

MOBILE OFFICE

FEB 11 1960

Gulf of Mexico

COPY

Submit To Appropriate District Office Two Copies District I 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., 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-105 Revised August 1, 2011						
1. WELL API NO. 30-025-42002		2. Type of Lease <input checked="" type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/> FED/INDIAN		3. State Oil & Gas Lease No. VB-1831-0002						
WELL COMPLETION OR RECOMPLETION REPORT AND LOG										
4. Reason for filing: <input checked="" type="checkbox"/> COMPLETION REPORT (Fill in boxes #1 through #31 for State and Fee wells only) <input type="checkbox"/> C-144 CLOSURE ATTACHMENT (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or #33; attach this and the plat to the C-144 closure report in accordance with 19.15, 17.13, K NMAC)				5. Lease Name or Unit Agreement Name Cabra Loca 11 B30B State 6. Well Number: FH HOBBS OGD DEC 18 2014						
7. Type of Completion: <input checked="" type="checkbox"/> NEW WELL <input type="checkbox"/> WORKOVER <input type="checkbox"/> DEEPENING <input type="checkbox"/> PLUGBACK <input type="checkbox"/> DIFFERENT RESERVOIR <input type="checkbox"/> OTHER				8. Name of Operator Mewbourne Oil Company						
9. OGRID 14744 RECEIVED				10. Address of Operator PO Box 5270 Hobbs, NM 88241						
11. Pool name or Wildcat Ojo Chiso; Bone Spring 96553										
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	O	11	22S	34E		200	South	2150	East	Lea
Bottom:	B	11	23S	34E		340	North	2150	East	Lea
13. Date Spudded 08/31/14	14. Date T.D. Reached 10/21/14	15. Date Rig Released 10/27/14		16. Date Completed (Ready to Produce) 12/02/14		17. Elevations (DF and RKB, RT, GR, etc.) 3500' GL				
18. Total Measured Depth of Well 15740' (MD)		19. Plug Back Measured Depth 15696' (MD)		20. Was Directional Survey Made? Yes		21. Type Electric and Other Logs Run Gyro/GR				
22. Producing Interval(s), of this completion - Top, Bottom, Name 11633' MD - 15395' MD Bone Spring										
23. CASING RECORD (Report all strings set in well)										
CASING SIZE	WEIGHT LB./FT.	DEPTH SET		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED		
13 3/4"	48#	1700'		17 1/2"		1200		Surface		
9 5/8"	40# & 36#	5551'		12 1/4"		1150		Surface		
7"	26#	11600' MD		8 3/4"		1100		Surface		
24. LINER RECORD						25. TUBING RECORD				
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET			
4 1/2"	10803' (MD)	15740' (MD)	500							
26. Perforation record (interval, size, and number) 10 Stages 11633' MD - 15395' MD				27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. DEPTH INTERVAL 11633' - 15395' MD AMOUNT AND KIND MATERIAL USED Frac w/21,420 gals 7 1/2% acid, 3,554,334 gals of SW, carrying 1,065,629# 100 Mesh sand 963,875# 40/70 sand & 434,643# 40/70 Resin coated sand.						
28. PRODUCTION										
Date First Production 12/02/14		Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing			Well Status (Prod. or Shut-in) Producing					
Date of Test 12/03/14	Hours Tested 24 hrs	Choke Size 15/64	Prod'n For Test Period 24 hrs	Oil - Bbl 776	Gas - MCF 574	Water - Bbl. 797	Gas - Oil Ratio 740			
Flow Tubing Press. NA	Casing Pressure 3250	Calculated 24- Hour Rate	Oil - Bbl. 776	Gas - MCF 574	Water - Bbl. 797	Oil Gravity - API - (Corr.) 43				
29. Disposition of Gas (Sold, used for fuel, vented, etc.) Sold						30. Test Witnessed By Nick Thompson				
31. List Attachments C104, Deviation Survey, completion sundry, Directional Survey, Gyro log, Final C102, Pkr Port Schematic										
32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit.										
33. If an on-site burial was used at the well, report the exact location of the on-site burial: Latitude Longitude NAD 1927 1983										
I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief Jackie Lathan Printed										
Signature <i>Jackie Lathan</i>		Name Hobbs Regulatory		Title	12/09/14	Date	<i>KZ</i>			
E-mail Address: jathan@mewbourne.com										
FEB 20 2015						<i>AM</i>				

BTA Oil Producers, LLC
Application for Authorization to Inject
8711 Chiso SWD #1
660' FNL & 1830' FWL
Section 14, T22S - R34E
Lea County, New Mexico

Attachment to C-108

VII Operation Data

1. Proposed average Daily Injection volume 10000 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 2700 psi

4. Sources of injection water will be produced water from area that have been drilled. These
 will be compatible with waters in disposal zones.

BTA Oil Producers
8711 Chiso #1
Proposal to Renter Wellbore and Convert to Disposal
Grama Ridge
Lea County, New Mexico

Well Data: TD 13,500
PBTD: Surface

Elevations: 3544' KB
3524' GL
20' Diff

Casing: 16" 84# & 65# K,N, & H @ 1675' w/ 1900 sx (cmt circ)
10-3/4" 55.5# & 51# S, N, & K @ 5000' w/ 3000 Sx
(TOC @ surf via circulation)
7-5/8" 33.7# & 29.7# S-95 & P-110 @ 11,200' w/ 2100 Sx (Csg cut @ 1390')
5" 23.2# P-110 @ 10,800'-13,500 w/ 360 Sx

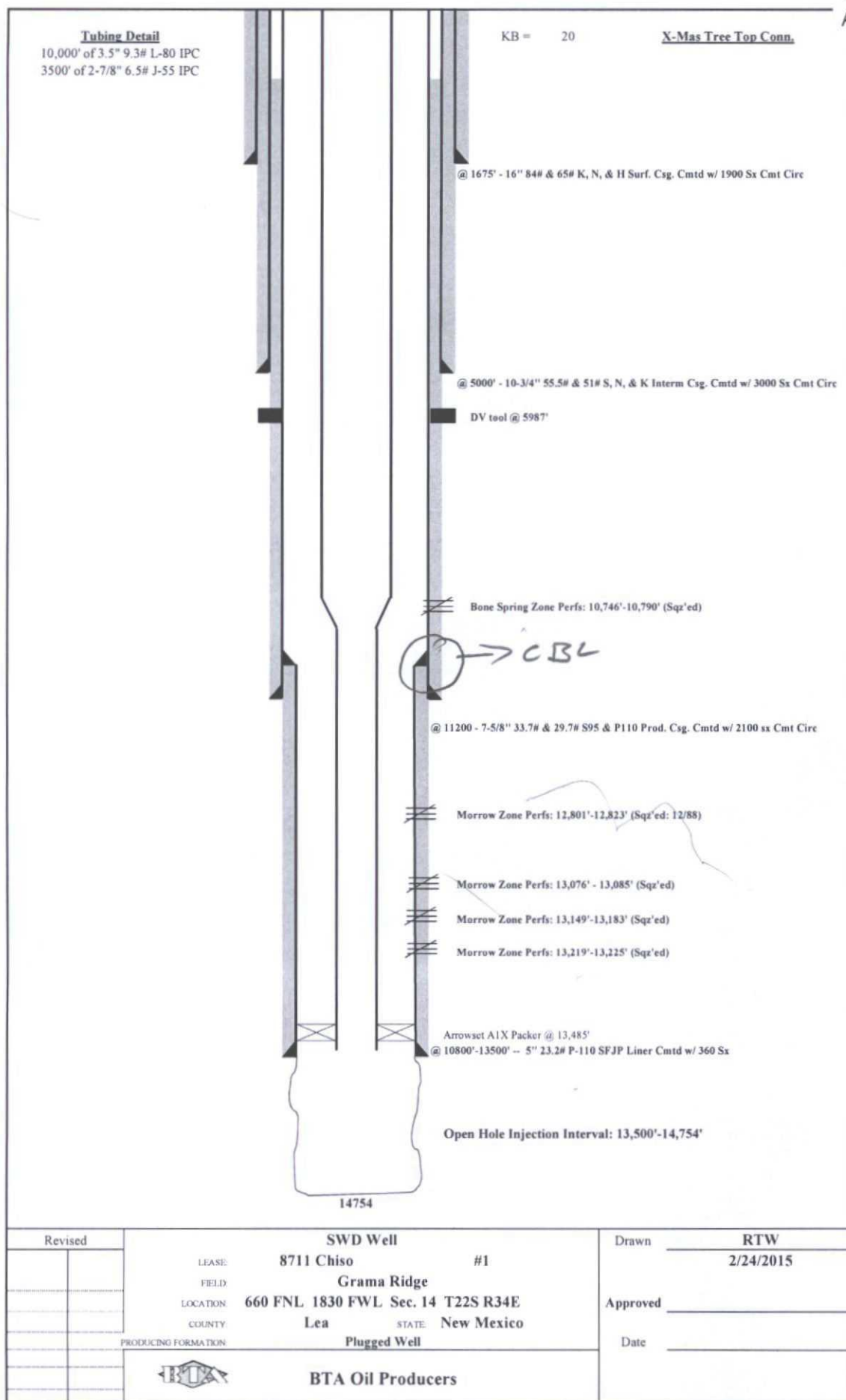
*Ensure that new anchors have been set and tested.

Procedure:

1. **Notify NMOCD @ 575-393-6161 of job to re-enter and convert to disposal. API #30-025-30141.**
2. Dig out cellar and install 11" 5M wellhead on 10-3/4" casing string. Plate back 16" casing strings to 10-3/4" and install 2" risers with ball valves at surface. Label each valve. Wrap casing stub and risers in Polyken #910 Pipeline tape. Back fill cellar to 1' below casing head flange.
3. MIRU pulling unit. MIUL 11,000' of 2-7/8" PH6 P-110 workstring and 5000' of 2-3/8" PH6 workstring.
4. NU 11" 5M BOP to casing head and test to 250/1500 psi.
5. PU 9-1/2" mill, XO, and six 6" drill collars on 2-7/8" workstring. Drill out cement plug from surface to 7-5/8" casing top @ 1390'. Test casing to 500 psi.
6. Circulate clean. POH.
7. PU and RIH w/ 90' of 13-3/8" washpipe and shoe. Install 6-1/4" pilot mill in top of washpipe. Wash over 7-5/8" casing stub.
8. POH and change to 3.5" drill collars and 6-1/4" bit.
9. RIH and drill out cement plugs @ 1390' and 1546' in 7-5/8" casing.
10. POH standing back bit and collars.
11. RIH w/ spear for 7-5/8" casing. Spear casing stub @ 1390'
12. MIRU WL unit.
13. RIH w/ string shot and backoff 7-5/8" casing at connection below cut.
14. RDMO WL unit.
15. PU and RIH w/ new 7-5/8" casing. Screw into backed off joint.
16. Pressure test casing to 1000 psi for 30 min.
17. ND 11" BOP, NU 11" 5M casing spool.
18. Pull tension into 7-5/8" casing and land casing in casing spool with 75K on slips. Make cut on casing and install 11" 5M x 7-1/16" 5M tubing head.
19. NU 7-1/16" 5M BOP.
20. PU and RIH w/ 3.5" drill collars and 6-1/4" bit.
21. Drill through cement plugs @ 3318', 4920', and 8300'. Test casing to 1000 psi.

22. Drill through cement plug @ 10,405'.
23. Establish and injection rate into Bone Springs Perfs @ 10,746-10,790'.
24. Cement squeeze Bone Springs perfs.
25. PU and RIH w/ 6-1/4" bit. Drill through cement squeeze and tag CIBP @ 10,800'. Pressure test cement squeeze to 1000 psi.
26. Drill through 2' of the CIBP @ 10,800. Stop before reaching liner top directly below plug. POH.
27. PU and RIH w/ 3-7/8" mill on 4000' of 2-3/8" tbg. Cross over to 2-7/8" tubing and continue to RIH.
28. Drill through CIBP @ 10,800'.
29. Pressure test casing to 1000 psi.
30. RIH and drill through CIBP @ 12,983' and permanent packer @ 12985'.
31. Cement Squeeze Morrow Perfs.
32. Drill through cement squeeze and tag float collar @ 13,420'
33. Pressure test casing to 1000 psi.
34. Drill through float collar and float shoe. Drill open hole from 13,500' to 14,754'.
35. Circ clean. Pull into casing shoe. Establish an injection rate and pressure.
36. POH laying down WS.
37. PU and RIH w/ pump off plug, nickel coated OD / plastic coated ID Arrowset 1X packer for 5" 23.2# casing; T2 on/off tool w/ 2.31F SS Profile; 3500' of new 2-7/8" J-55 plastic coated ID tubing crossing over to new 3.5" L-80 plastic coated ID tubing. Set packer @ 13,485'.
38. Ensure that packer is spaced out w/ 20K compression when tubing is landed in B1 bonnet on 7-1/16" tubing head. Respace packer before pumping packer fluid if needed.
39. Get off of packer and circulate around inhibited packer fluid. Pressure test backside to 500 psi for 30 min recording results on chart.
40. ND BOP, land tubing in 7-1/16" B1 bonnet.
41. Pressure test backside to 500 psi.
42. Pressure up on tubing and blow pump off plug.
43. Establish injection into open hole interval. Report injection rate/pressure to office. Prepare to pump acid job if needed.
44. **Schedule Mechanical Integrity Test with NMOCD @ 575-393-6161. API #30-025-30141.** Perform test and send in chart to office.
45. After MIT has been approved, put well on injection.

RTW
2/27/15



BTA Oil Producers, LLC
Application for Authorization to Inject
8711 Chiso SWD #1
660' FNL & 1830' FWL
Section 14, T22S, R34E
Lea County, New Mexico

Attachment to C-108

VII Item 5

Disposal Zone Formation Water

Injection into the 8711 Chiso SWD #1 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 is one current producing well within the AOR of the 8711 Chiso SWD #1. It is Mewbourne Oil Company's Cabra Loca 11 B3OB State #1H API 30-025-42002, producing from the Ojo Chiso; Bone Spring.

BTA Oil Producers, LLC
Application for Authorization to Inject
8711 Chiso SWD #1
660' FNL & 1830' FWL
Section 14, T22S, R34E
Lea County, NM

Attachment to C-108

VIII Geologic Data

8711 Chiso SWD #1 Geological Discussion Regarding Proposed Disposal Interval

A. Disposal Zone

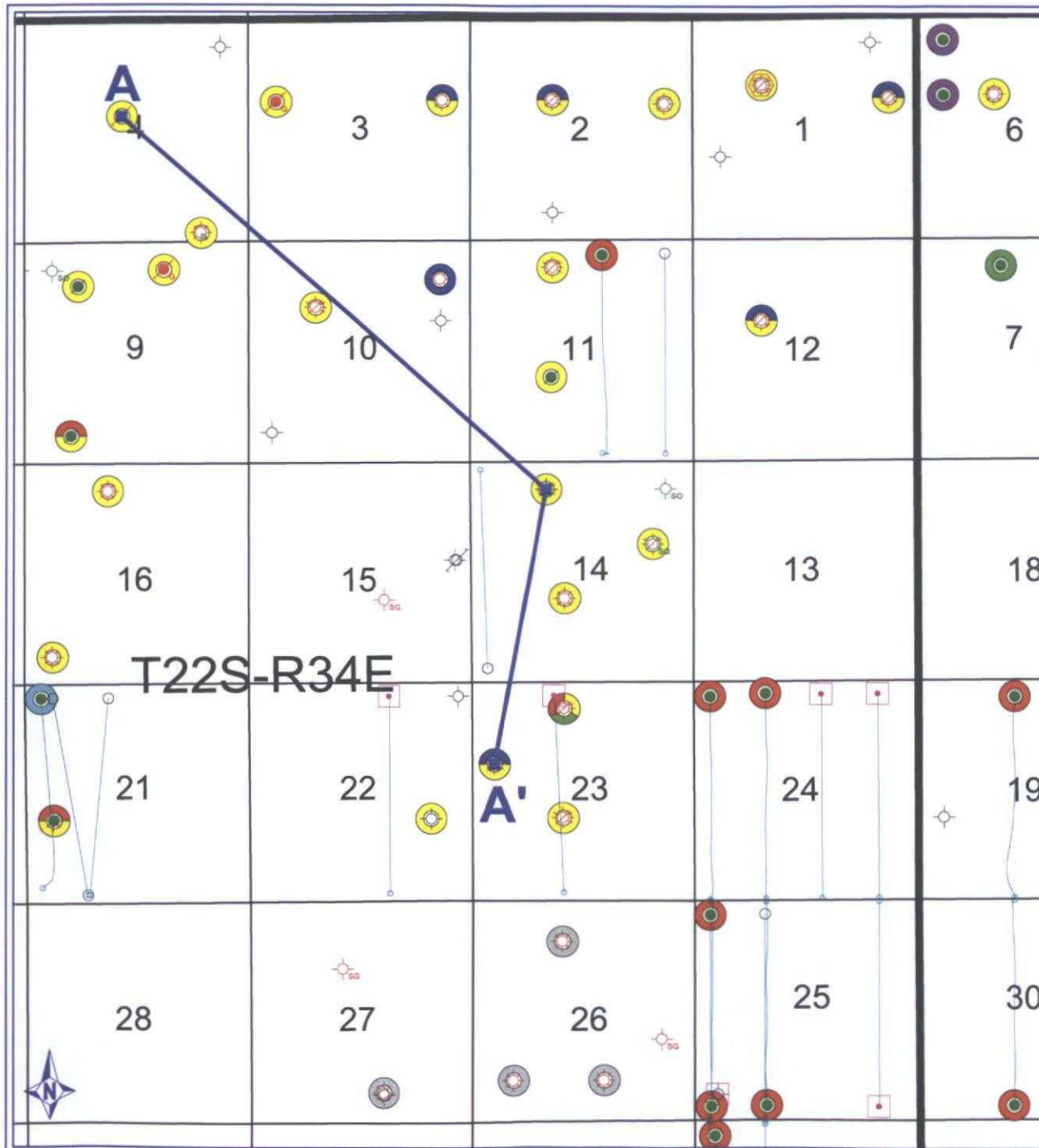
The wellbore will be open to the Barnett Shale, Mississippian Lime, Woodford Shale and Devonian formations. Due to the low permeability of the Barnett Shale, Mississippian Lime and Woodford Shale, these formations are not expected to accept injected fluids, while the permeable Devonian is the target zone for disposal.

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. No closure is observed at the proposed disposal site.

B. Fresh Water Sources:

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

Attachment to C-108
 BTA Oil Producers, LLC
 8711 Chiso SWD #1
 API: 30-025-30141



BTA BTA Oil Producers, LLC	
8711 Chiso SWD #1	
Producing Formation Map	
660' FNL & 1830' FWL, Sec14, T22S, R34E	
Lea County, New Mexico	
ATTRIBUTE MAP <ul style="list-style-type: none"> Producing Formation Contains "YATES" Producing Formation Contains "DELAWARE" Producing Formation Contains "BONESPRING" Producing Formation Contains "WOLFCAMP" Producing Formation Contains "STRAWN" Producing Formation Contains "ATOKA" Producing Formation Contains "MORROW" 	
WELL SYMBOLS <ul style="list-style-type: none"> Location Only Drilled, Waiting on Completion Completing/Completed Oil Well Gas Well Dry Hole Plugged & Abandoned Oil Well Plugged & Abandoned Gas Well Junked Dry Hole With Gas Show Dry Hole With Oil Show Gas Injection Well 	
REMARKS Top of Devonian Stratigraphic Cross Section Shown On Map	
By: JHB	
0 3,500 7,000 FEET	

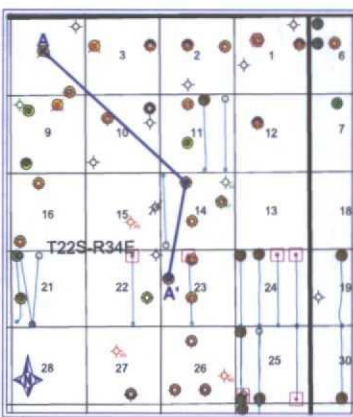
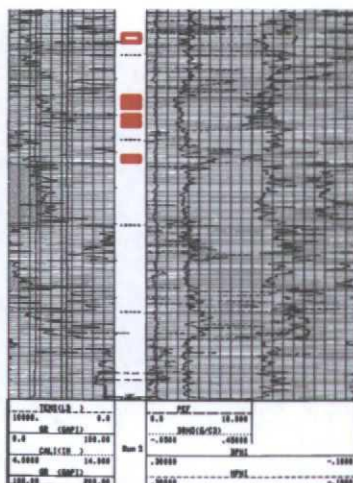
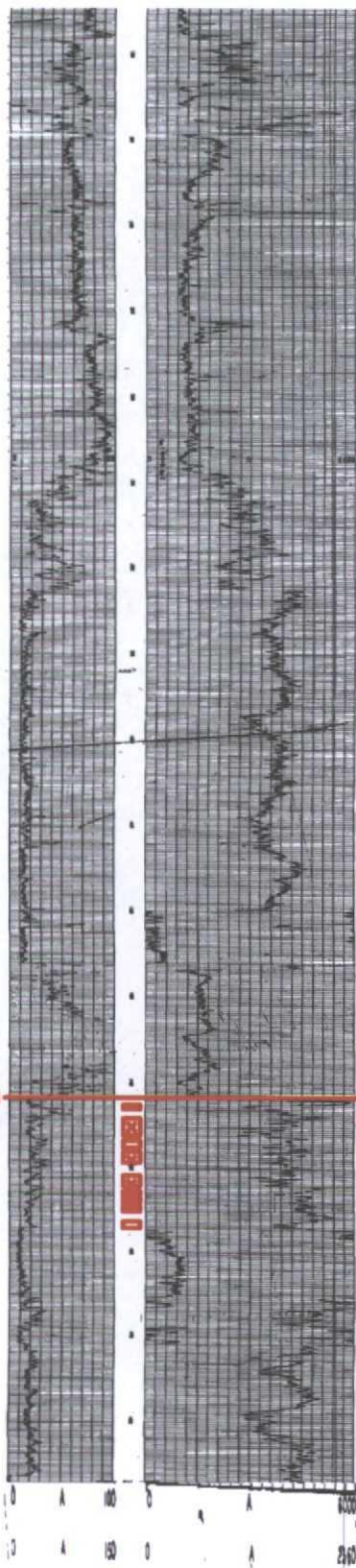
ENSTOR GRAMA RIDGE STORAGE & TRANSP
FEDERAL GR-4
1
T22S R34E S4

BTA OIL PRODUCERS
CHISO 8711 JV-P
1
T22S R34E S14

AMERICAN QUASAR PETROLEUM CO OF NM
OJO CHISO UNIT
1
T22S R34E S23

Subsea
Depth(R)
-9500

-9500
-9700
-9800
-9900
-10000
-10100
-10200
-10300
-10400
-10500
-10600
-10700
-10800
-10900
-11000
-11100
-11200
-11300
-11400



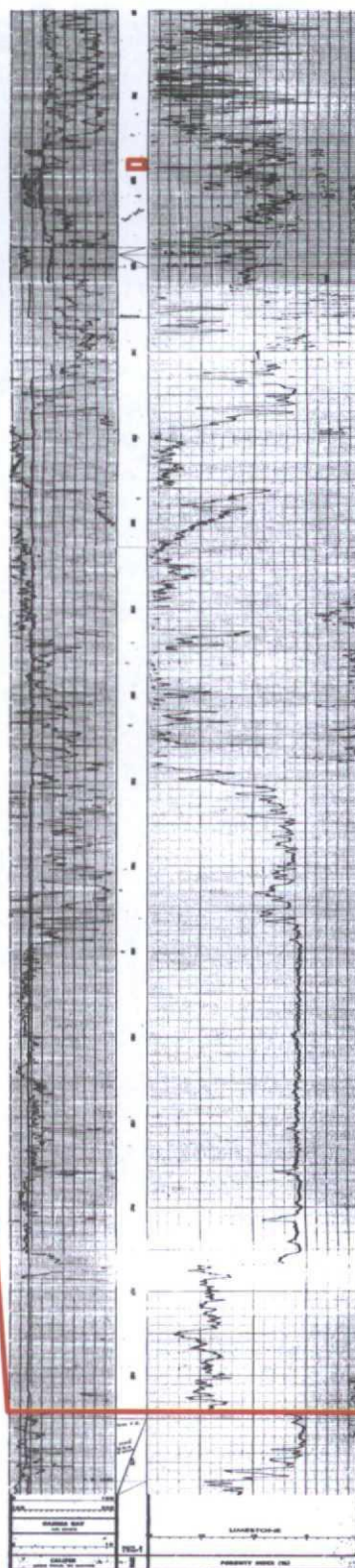
Estimated Top of Devonian:
SS: -10,817' (MD: 14,364')

DEVONIAN

DEVONIAN

Subsea
Depth(R)
-9500

-9500
-9700
-9800
-9900
-10000
-10100
-10200
-10300
-10400
-10500
-10600
-10700
-10800
-10900
-11000
-11100
-11200
-11300



Attachment to C-108
BTA Oil Producers, LLC
8711 Chiso SWD #1
API: 30-025-30141

BTA OIL PRODUCERS, LLC	
8711 Chiso SWD #1	
DEVONIAN CROSS-SECTION	
A - A' Stratigraphic Cross Section	
Devonian	
TOPS AND MARKERS	
DEVONIAN	
*** Inactive Perforation Intervals Indicated in Red ***	
By: JHB	
February 23, 2010 1:58 PM	

HS=100

BTA Oil Producers, LLC
Application for Authorization to Inject
8711 Chiso SWD #1
660' FNL & 1830' FWL
Section 14, T22S, R34E
Lea County, New Mexico

Attachment to C-108

- X Well logs were filed with original completion.
- XI No water wells are located in the 1-mile area surrounding the 8711 Chiso SWD #1.
- 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

No records found.

Basin/County Search:

Basin: Carlsbad

County: Lea

Subbasin: Carlsbad

PLSS Search:

Section(s): 10-24

Township: 22S

Range: 34E

Attachment to C-108

BTA Oil Producers, LLC

8711 Chiso SWD #1

API: 30-025-30141

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)

No PODs found.

POD Search:

POD Basin: Carlsbad

PLSS Search:

Section(s): 10-24

Township: 22S

Range: 34E

Attachment to C-108

BTA Oil Producers, LLC

8711 Chiso SWD #1

API: 30-025-30141

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.

3/4/15 1:46 PM

Page 1 of 1

ACTIVE & INACTIVE POINTS OF DIVERSION

BTA Oil Producers, LLC
Application for Authorization to Inject
8711 Chiso SWD #1
660' FNL & 1830' FWL
Section 14, T22S, R34E
Lea County, NM

Attachment to C-108

XIII Notice of Offset Operators Within ½ Mile

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

Surface Owner

Surface Owner is State of NM

New Mexico State Land Office
Commissioner of Public Lands
310 Old Santa Fe Trail
Santa Fe, NM 87504-1148

Offset Operator list

COG Operating LLC
600 W Illinois Ave
Midland, TX 79701

Elevation Resources LLC
200 N. Loraine, Ste. 1010
Midland, TX 79701

EOG Resources, Inc.
PO Box 5270
Hobbs, NM 88241

Mewbourne Oil Company
PO Box 5270
Hobbs, NM 88241

GMT Exploration Company LLC
1560 Broadway Suite 2000
Denver, CO 80202

Offset Surface Owner

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

In addition, I hereby certify that notification of BTA's application was mailed via certified mail to the above named parties on the 12th day of March, 2015.


Kayla McConnell

Affidavit of Publication

STATE OF NEW MEXICO
COUNTY OF LEA

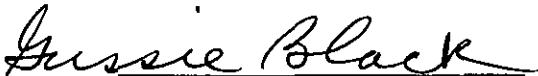
I, Daniel Russell, Publisher of the Hobbs News-Sun, a newspaper published at Hobbs, New Mexico, solemnly swear that the clipping attached hereto was published in the regular and entire issue of said newspaper, and not a supplement thereof for a period of 1 issue(s).

Beginning with the issue dated
March 03, 2015
and ending with the issue dated
March 03, 2015.



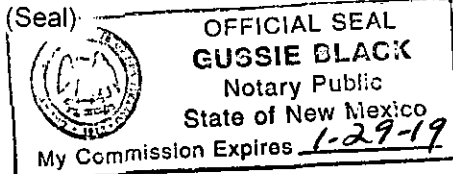
Publisher

Sworn and subscribed to before me this
3rd day of March 2015.



Business Manager

My commission expires
January 29, 2019



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

LEGAL NOTICE March 3, 2015

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 8711 Chiso SWD #1 is located 660' FNL & 1830' FWL, Section 14, T22S, R34E, 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 Barnett, Mississippian, Woodford and Devonian formations at a depth of 13500'-14754', at a maximum surface pressure of 2700 psi, and an average rate of 10000 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.. #29822

01101299

00152536

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

BTA Oil Producers, LLC
Application for Authorization to Inject
8711 Chiso SWD #1
660' FNL & 1830' FWL
Section 14, T22S, R34E
Lea County, New Mexico

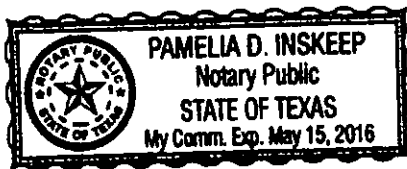
Attachment to C-108

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 11, 2014, of the New Mexico Oil Conservation Division Form C-108 "Application for Authorization to Inject" for the 8711 Chiso SWD #1, located in section 14, T22S, R34E, Lea County, New Mexico.

SUBSCRIBED AND SWORN TO before me on this 12th day of March, 2014, to certify which witness my hand and seal of office.



Pamelia D. Inskeep

Pamelia D. Inskeep
Notary Public, State of Texas

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:

Elevation Resources LLC
200 N. Loraine, Ste. 1010
Midland, TX 79701

2. Article Number

(Transfer from service label)

7010 3090 0001 8426 9231

PS Form 3811, February 2004

Domestic Return Receipt

102595-02-M-1540

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

☐ Agent☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

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

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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

Elevation Resources LLC
200 N. Loraine, Ste. 1010
Midland, TX 79701

PS Form 3800

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(Endorsement Required)Restricted Delivery Fee
(Endorsement Required)

Total Postage & Fees \$

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Sent To

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

City, State, ZIP+4

EOG Resources, Inc.
PO Box 5270
Hobbs, NM 88241

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:

EOG Resources, Inc.
PO Box 5270
Hobbs, NM 88241

2. Article Number

(Transfer from service label)

7010 3090 0001 8426 9248

PS Form 3811, February 2004

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102595-02-M-1540

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

☐ Agent☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

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

SENDER: COMPLETE THIS SECTION

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

1. Article Addressed to:

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

2. Article Number

(Transfer from service label)

7010 3090 0001 8426 9224

PS Form 3811, February 2004

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102595-02-M-1540

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

☐ Agent☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

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

3. Service Type

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

4. Restricted Delivery? (Extra Fee)

☐ Yes

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Total Postage & Fees \$

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or PO Box No.

City, State, ZIP+

PS Form 3800

Mewbourne Oil Company

PO Box 5270

Hobbs, NM 88241

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For delivery information visit our website at www.usps.com**OFFICIAL USE**

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(Endorsement Required)Restricted Delivery Fee
(Endorsement Required)

Total Postage & Fees \$

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Sent To

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

City, State, ZIP+

PS Form 3800

COG Operating LLC**One Concho Center**600 W Illinois Ave
Midland, TX 79701**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:

Mewbourne Oil Company
 PO Box 5270
 Hobbs, NM 88241

2. Article Number

(Transfer from service label)

7010 3090 0001 8426 9255

PS Form 3811, February 2004

Domestic Return Receipt

102595-02-M-1540

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

☐ Agent☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

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

3. Service Type

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

4. Restricted Delivery? (Extra Fee)

☐ Yes

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:

GMT Exploration Company LLC
1560 Broadway Suite 2000
Denver, CO 80202

2. Article Number
(Transfer from service label)

7010 3090 0001 8426 9286

PS Form 3811, February 2004

Domestic Return Receipt

102595-02-M-1540

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

☐ Agent☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

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

3. Service Type

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

4. Restricted Delivery? (Extra Fee)

☐ Yes7010 3090 0001 8426 9286
7010 3090 0001 8426 9286**U.S. Postal ServiceTM**
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For delivery information visit our website at www.usps.com**OFFICIAL USE**

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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

PS Form 3800, A

GMT Exploration Company LLC
1560 Broadway Suite 2000
Denver, CO 80202

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:

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

2. Article Number

(Transfer from service label)

7010 1870 0001 6459 3992

PS Form 3811, February 2004

Domestic Return Receipt

102595-02-M-1540

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

☐ Agent☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

D. Is delivery address different from item 1?

☐ YesIf 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

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(Endorsement Required)Restricted Delivery Fee
(Endorsement Required)

Total Postage & Fees \$

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Sent To

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

City, State, ZIP+

New Mexico State Land Office
Commissioner of Lands
310 Old Santa Fe Trail
Santa Fe, NM 87504-1148

PS Form 3800

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(Endorsement Required)Restricted Delivery Fee
(Endorsement Required)

Total Postage & Fees \$

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Sent To

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

City, State, ZIP+

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

PS Form 3800

SENDER: COMPLETE THIS SECTION

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

1. Article Addressed to:

New Mexico State Land Office
Commissioner of Lands
310 Old Santa Fe Trail
Santa Fe, NM 87504-1148

2. Article Number

(Transfer from service label)

7010 1870 0001 6459 4005

PS Form 3811, February 2004

Domestic Return Receipt

102595-02-M-1540

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

☐ Agent☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

D. Is delivery address different from item 1?

☐ YesIf 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

PERMIT TYPE: WFX / PMX / (SWD) Number: 1546 Permit Date: Legacy Permits/Orders: Well No. 1 Well Name(s): 8711 Chiso SWDAPI: 30-0 25-30141 Spud Date: 11-20-1987 New or Old: N (UIC Class II Primacy 03/07/1982)Footages 1830 FWL Lot or Unit 6 Sec 14 Tsp 223 Rge 34E County LEGGeneral Location: 220 SW 1/4 N1E Pool: Pool No.: BLM 100K Map: JA1 Operator: BTA Oil Producers, LLC OGRID: 260277 Contact: KAYLA Mc CUNNELCOMPLIANCE RULE 5.9: Total Wells: 115 Inactive: 2 Fincl Assur: Y Compl. Order? MA IS 5.9 OK? Y Date: 4-24-2015WELL FILE REVIEWED (C) Current Status: P&AWELL DIAGRAMS: NEW: Proposed (O) or RE-ENTER: Before Conv. (O) After Conv. (O) Logs in Imaging: CBL 7 1/2" / S"Planned Rehab Work to Well: re-enter drill out plugs, successively log and nestively log

Well Construction Details:	Sizes (in) Borehole / Pipe	Setting Depths (ft)	Cement St or Cf	Cement Top and Determination Method
Planned <u>or</u> Existing <u>Surface</u>	<u>20 1/16"</u>	<u>1675</u>	<u>1900</u>	<u>SURFACE / UIC 36</u>
Planned <u>or</u> Existing <u>Interm/Prod</u>	<u>14 3/4" / 10 3/4"</u>	<u>5000</u>	<u>3000</u>	<u>SURFACE</u>
Planned <u>or</u> Existing <u>Interm/Prod</u>	<u>9 1/2" / 7 8/8"</u>	<u>11200</u>	<u>2100</u>	<u>SURFACE</u>
Planned <u>or</u> Existing <u>Prod/Liner</u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Planned <u>or</u> Existing <u>Liner</u>	<u>6 1/2" / 5"</u>	<u>13500</u>	<u>560</u>	<u>10800'</u>
Planned <u>or</u> Existing <u>(OH) / PERF</u>	<u>13500</u> <u>14754</u>	<u> </u>	<u>Inj Length</u>	<u> </u>

Injection Stratigraphic Units:	Depths (ft)	Injection or Confining Units	Tops	Completion/Operation Details:
Adjacent Unit: Litho. Struc. Por.	<u> </u>	<u> </u>	<u> </u>	Drilled TD <u>14754</u> PBTD <u>13374</u>
Confining Unit: Litho. Struc. Por.	<u> </u>	<u> </u>	<u>14224</u>	NEW TD <u>14754</u> NEW PBTD <u> </u>
Proposed Inj Interval TOP:	<u>13500</u>	<u>MISS</u>	<u>14755</u>	NEW Open Hole <u>(O)</u> or NEW Perfs <u>(O)</u>
Proposed Inj Interval BOTTOM:	<u>14754</u>	<u>DEV</u>	<u> </u>	Tubing Size <u>2 7/8</u> in. Inter Coated? <u>Y</u>
Confining Unit: Litho. Struc. Por.	<u> </u>	<u> </u>	<u> </u>	Proposed Packer Depth <u>13400</u>
Adjacent Unit: Litho. Struc. Por.	<u> </u>	<u> </u>	<u> </u>	Min. Packer Depth <u>2200</u> (100-ft limit)
AOR: Hydrologic and Geologic Information:				Proposed Max. Surface Press. <u>2700</u> psi
				Admin. Inj. Press. <u>2700</u> (0.2 psi per ft)

POTASH: R-111-P (O) Noticed? BLM Sec Ord (O) WIPP (O) Noticed? SALT/SALADO T: B: CLIFF HOUSEFRESH WATER: Aquifer ALLUVIAL Max Depth 50 HYDRO AFFIRM STATEMENT By Qualified Person (O)NMOSE Basin: CAPITAN CAPITAN REEF: thru (O) adj (O) NAO (O) No. Wells within 1-Mile Radius? FW Analysis (O)Disposal Fluid: Formation Source(s) Bone Spring / Delcua Analysis? X On Lease (O) Operator Only (O) or Commercial (O)Disposal Int: Inject Rate (Avg/Max BWPD): 10,000 / 15,000 Protectable Waters? N Source: System: Closed (O) or Open (O)HC Potential: Producing Interval? NO Formerly Producing? NO Method LOGS AND / OTHER 2-Mile Radius Pool Map (O)AOR Wells: 1/2-M Radius Map? NO 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 4/23/2015 Mineral Owner NMSLD Surface Owner NMSLD N. Date 4/23/2015RULE 26.7(A): Identified Tracts? Y Affected Persons: COG, Mcubourne, ELEVATION N. Date 4/23/2015Permit Conditions: Issues: Add Permit Cond: Log Porosity, and nestivity Log between13300 - TD.

Jones, William V, EMNRD

From: Kayla McConnell <KMcConnell@btaoil.com>
Sent: Wednesday, April 01, 2015 12:55 PM
To: Jones, William V, EMNRD
Subject: Application for Authorization to Inject : 8711 Chiso SWD #1 API: 30-025-30141: Notification Cards
Attachments: BTA Oil Producers 8711 Chiso SWD #1 C-108 Notification Card.pdf

Will,

I have attached notification cards for BTA's 8711 Chiso SWD #1 Injection Application. Please let me know if you would like the original cards for your records.

Thank you, I hope you have a good afternoon.

Kayla McConnell
BTA Oil Producers LLC
Office: 432-682-3753
Fax: 432-683-0325



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
One Concho Center
600 W Illinois Ave
Midland, TX 79701

2. Article Number

(Transfer from service label)

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X *D. Goswick*☐ Agent

B. Received by (Printed Name)

C. Date of Delivery

3/14/15

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

PS Form 3811, February 2004

Domestic Return Receipt

102595-02-M-15

U.S. Postal Service

CERTIFIED MAIL RECEIPT

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

OFFICIAL USE

Postage

\$ 1.19

Certified Fee

330

Return Receipt Fee
(Endorsement Required)

270

Restricted Delivery Fee
(Endorsement Required)

Total Postage & Fees

\$ 7.19

Sent To

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

PS Form 3800, 4

Mewbourne Oil Company
PO Box 5270
Hobbs, NM 88241

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

\$ 1.19

Certified Fee

330

Return Receipt Fee
(Endorsement Required)

270

Restricted Delivery Fee
(Endorsement Required)

Total Postage & Fees

\$ 7.19

Sent To

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

PS Form 3800, 4

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

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- 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:

Mewbourne Oil Company
PO Box 5270
Hobbs, NM 88241

2. Article Number

(Transfer from service label)

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X *Amber Villalobos*☐ Agent☐ Addressee

B. Received by (Printed Name)

Amber Villalobos

C. Date of Delivery

3-18-15

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

PS Form 3811, February 2004

Domestic Return Receipt

102595-02-M-15

COMPLETE THIS SECTION

Items 1, 2, and 3. Also complete Restricted Delivery if desired. Name and address on the reverse can return the card to you. Attach card to the back of the mailpiece, front if space permits.

Addressed to:

Elevation Resources LLC
200 N. Loraine, Ste. 1010
Midland, TX 79701

COMPLETE THIS SECTION ON DELIVERY

A. Signature *[Signature]* ☐ Agent ☐ Addressee
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:

RECEIVED
MAR 17 2015

3. Service Type **BTA**
☒ Certified Mail ☐ Registered ☐ Insured Mail ☐ Return Receipt for Merchandise ☐ C.O.D.
4. Restricted Delivery? (Extra Fee) ☐ Yes

Article Number
(Transfer from service label)
7010 3090 0001 8426 9231
March 11, February 2004

Domestic Return Receipt

102595-02-M-154

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

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

OFFICIAL USE

Postage \$ 2.24
Certified Fee 3.30
Return Receipt Fee (Endorsement Required) 2.70
Restricted Delivery Fee (Endorsement Required)
Total Postage & Fees \$ 8.24

Sent To
Street, Apt. No., or PO Box No.
City, State, ZIP+4
EOG Resources, Inc.
P.O. Box 2267
Midland, TX 79702

PS Form 3800

**U.S. Postal ServiceTM
CERTIFIED MAILTM RECEIPT**
(Domestic Mail Only; No Insurance Coverage Provided)

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

OFFICIAL USE

Postage \$ 1.19
Certified Fee 3.30
Return Receipt Fee (Endorsement Required) 2.70
Restricted Delivery Fee (Endorsement Required)
Total Postage & Fees \$ 7.19

Sent To
Street, Apt. No., or PO Box No.
City, State, ZIP+4
Elevation Resources LLC
200 N. Loraine, Ste. 1010
Midland, TX 79701

PS Form 3800, A

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:

EOG Resources, Inc.
P.O. Box 2267
Midland, TX 79702

COMPLETE THIS SECTION ON DELIVERY

A. Signature *[Signature]* ☒ Agent ☐ Addressee
B. Received by (Printed Name) C. Date of Delivery
R. Foree *3-25-15*

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

2. Article Number
(Transfer from service label)

7010 1870 0001 6459 4012

PS Form 3811, February 2004

Domestic Return Receipt

102595-02-M-154

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:

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

2. Article Number
(Transfer from service label)

7010 1870 0001 6459 3992

PS Form 3811, February 2004

COMPLETE THIS SECTION ON DELIVERY

- A. Signature S Soules ☐ Agent ☒ Addressee
- B. Received by (Printed Name) S Soules C. Date of Delivery 3/16/15
- D. Is delivery address different from item 1? ☐ Yes ☒ No
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) ☐ Yes

U.S. Postal Service

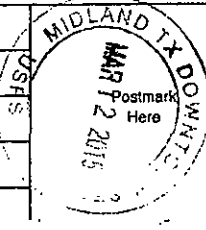
CERTIFIED MAIL RECEIPT

(Domestic Mail Only; No Insurance Coverage Provided)

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

OFFICIAL USE

Postage \$ 1.19
Certified Fee 3.30
Return Receipt Fee (Endorsement Required) 2.70
Restricted Delivery Fee (Endorsement Required)
Total Postage & Fees \$ 7.19



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

New Mexico State Land Office
Commissioner of Lands
310 Old Santa Fe Trail
Santa Fe, NM 87504-1148

PS Form 3800

U.S. Postal Service

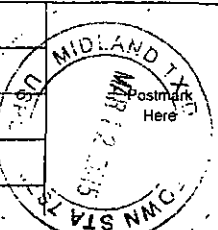
CERTIFIED MAIL RECEIPT

(Domestic Mail Only; No Insurance Coverage Provided)

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

OFFICIAL USE

Postage \$ 1.19
Certified Fee 3.30
Return Receipt Fee (Endorsement Required) 2.70
Restricted Delivery Fee (Endorsement Required)
Total Postage & Fees \$ 7.19



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

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

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:

New Mexico State Land Office
Commissioner of Lands
310 Old Santa Fe Trail
Santa Fe, NM 87504-1148

2. Article Number
(Transfer from service label)

7010 1870 0001 6459 4005

PS Form 3811, February 2004

COMPLETE THIS SECTION ON DELIVERY

- A. Signature [Signature] ☐ Agent ☒ Addressee
- B. Received by (Printed Name) C. Date of Delivery MAR 26 2015
- D. Is delivery address different from item 1? ☐ Yes ☒ No
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) ☐ Yes

Domestic Return Receipt

102595-02-M-15

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:

GMT Exploration Company LLC
1560 Broadway Suite 2000
Denver, CO 80202

2. Article Number
(Transfer from service label)

7010 3090 0001 8426 9286

PS Form 3811, February 2004

Domestic Return Receipt

102595-02-M-15

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X *Jim Lyman*☐ Agent☐ AddresseeB. Received by (Printed Name) *Jim Lyman* Date *MAR 16 2015*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 \$ *1.19*Certified Fee *330*Return Receipt Fee
(Endorsement Required) *270*Restricted Delivery Fee
(Endorsement Required)Total Postage & Fees \$ *7.19*

Sent To

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

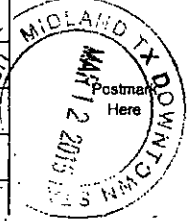
City, State, ZIP+4

PS Form 3800, 4

GMT Exploration Company LLC

1560 Broadway Suite 2000

Denver, CO 80202



7010 3090 0001 8426 9286

Pro-Kem WATER ANALYSIS REPORT

Bone Spring
S.E.C. 2 T. 20S, R. 33E

AMPLE

Oil Co. : **BTA**
Lease : **Gem**
Well No.: **#11 H**
Location:
Attention:

Date Sampled : **25-July-2013**
Date Analyzed: **08-August-2013**
Lab ID Number: **Aug0813.002- 8**
Salesperson :
File Name : **Aug0813.002**

ALYSIS

1. Ph 6.700
2. Specific Gravity 60/60 F. 1.103
3. CACO3 Saturation Index @ 80F
- @140F

0.247 Mild
1.137 Moderate

Dissolved Gasses

4. Hydrogen Sulfide
5. Carbon Dioxide
6. Dissolved Oxygen

MG/L. EQ. WT. *MEQ/L

0

150

Not Determined

Cations

7. Calcium (Ca++)
8. Magnesium (Mg++)
9. Sodium (Na+) (Calculated)
10. Barium (Ba++)

3,046 / 20.1 = 151.54

1,109 / 12.2 = 90.90

48,943 / 23.0 = 2,127.96

Not Determined

Anions

11. Hydroxyl (OH-)
12. Carbonate (CO3=)
13. Bicarbonate (HCO3-)
14. Sulfate (SO4=)
15. Chloride (Cl-)
16. Total Dissolved Solids
17. Total Iron (Fe)
18. Manganese (Mn++)
19. Total Hardness as CaCO3
20. Resistivity @ 75 F. (Calculated)

0 / 17.0 = 0.00

0 / 30.0 = 0.00

400 / 61.1 = 6.55

1,200 / 48.8 = 24.59

82,981 / 35.5 = 2,337.49

137,679

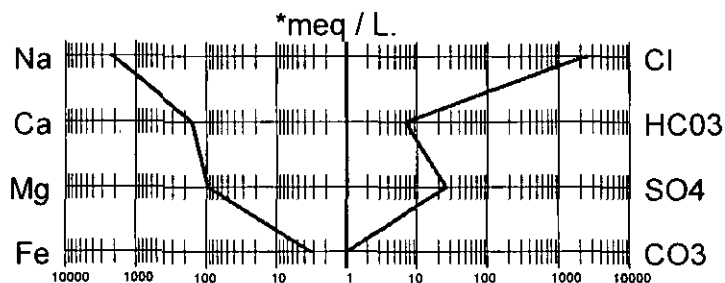
57.00 / 18.2 = 3.13

Not Determined

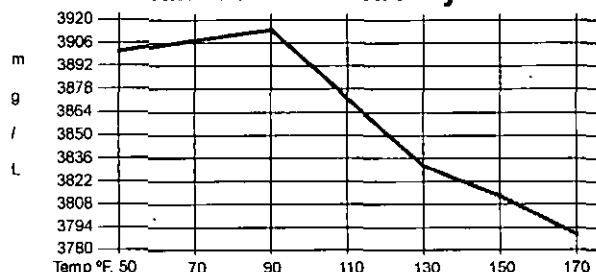
12,171

0.049 Ohm · meters

LOGARITHMIC WATER PATTERN



Calcium Sulfate Solubility Profile



PROBABLE MINERAL COMPOSITION

COMPOUND	*meq/L	X	EQ. WT. =	mg/L.
Ca(HCO3)2	6.55		81.04	531
CaSO4	24.59		68.07	1,674
CaCl2	120.41		55.50	6,683
Mg(HCO3)2	0.00		73.17	0
MgSO4	0.00		60.19	0
MgCl2	90.90		47.62	4,329
NaHCO3	0.00		84.00	0
NaSO4	0.00		71.03	0
NaCl	2,126.19		58.46	124,297

* milliequivalents per Liter

Tony Abernathy, Analyst

DGE

Delaware

Sec 2, T20S R33E



CAPROCK LABORATORIES, INC.

3312 Bankhead Hwy.
Midland, Texas 79701
(915) 689-7252
FAX (915) 689-0130

WATER ANALYSIS REPORT

SAMPLE

Oil Co.: PRG-KEN FOR BTA
Lease: 6EM
Well No.: 45
Job No.: 9110008

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

ANALYSIS

- | | MG/L | EQ. WT. | *MEQ/L |
|---|----------|---------|--------|
| 1. pH | 7.000 | | |
| 2. Specific Gravity 60/60 F. | 1.092 | | |
| 3. CaCO ₃ Saturation Index @ 80 F. | +0.753 | | |
| | @ 140 F. | +1.633 | |

Dissolved Gasses

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

Cations

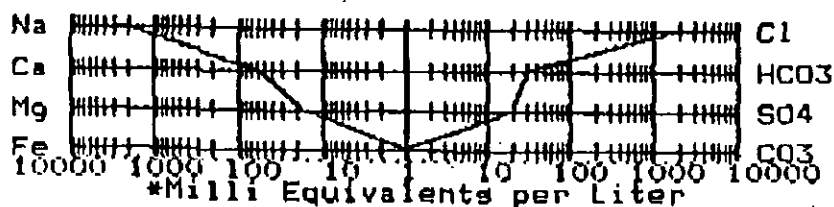
- | | | | |
|----------------------------------|---------------------|----------|----------|
| 7. Calcium (Ca ⁺⁺) | 1,162 | / 20.1 = | 57.81 |
| 8. Magnesium (Mg ⁺⁺) | 219 | / 12.2 = | 17.95 |
| 9. Sodium (Na ⁺) | (Calculated) 51,847 | / 23.0 = | 2,254.22 |
| 10. Barium (Ba ⁺⁺) | Not Determined | | |

Anions

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

LOGARITHMIC WATER PATTERN

*meq/L.



PROBABLE MINERAL COMPOSITION

COMPOUND	EQ. WT.	X	*meq/L = mg/L.
Ca (HCO ₃) ₂	81.04	30.97	2,509
CaSO ₄	68.07	19.88	1,353
CaCl ₂	55.50	6.97	387
Mg (HCO ₃) ₂	73.17	0.00	0
MgSO ₄	60.19	0.00	0
MgCl ₂	47.62	17.95	855
NaHCO ₃	84.00	0.00	0
NaSO ₄	71.03	0.00	0
NaCl	58.46	2,252.07	131,656

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

Analyst

Remarks and Comments:

Jones, William V, EMNRD

From: Kayla McConnell <KMcConnell@btaoil.com>
Sent: Monday, March 23, 2015 11:01 AM
To: Jones, William V, EMNRD
Subject: Application for Authorization to Inject : 8711 Chiso SWD #1 API: 30-025-30141
Amended Notification List
Attachments: BTA Oil Producers 8711 Chiso SWD #1 attachment to C-108.pdf

Will,

I was checking the status of the notification letters I sent out for this application, I found one certified letter that was unable to be delivered. I updated their address and re-sent them notification today.

I have attached the updated notification list for the application packet. Would you like for me to send you a hard copy as well?

Thank you,

Kayla McConnell
BTA Oil Producers LLC
Office: 432-682-3753
Fax: 432-683-0325



BTA Oil Producers, LLC
Application for Authorization to Inject
8711 Chiso SWD #1
660' FNL & 1830' FWL
Section 14, T22S, R34E
Lea County, NM

Attachment to C-108
Amended 3/23/2015*

XIII Notice of Offset Operators Within ½ Mile

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

Surface Owner

Surface Owner is State of NM

New Mexico State Land Office
Commissioner of Public Lands
310 Old Santa Fe Trail
Santa Fe, NM 87504-1148

Offset Operator list

COG Operating LLC
600 W Illinois Ave
Midland, TX 79701

Elevation Resources LLC
200 N. Loraine, Ste. 1010
Midland, TX 79701

EOG Resources, Inc. **Address Change
P.O. Box 2267
Midland, TX 79702

Mewbourne Oil Company
PO Box 5270
Hobbs, NM 88241

GMT Exploration Company LLC
1560 Broadway Suite 2000
Denver, CO 80202

Offset Surface Owner

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

In addition, I hereby certify that notification of BTA's application was mailed via certified mail to the above named parties on the 12th and 23rd* day of March, 2015.


Kayla McConnell



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

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

(R=POD has
been replaced,
O=orphaned,
C=the file is
closed)

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

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

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
CP 00380			LE	4	2	11	22S	34E		647245	3586739*	45	30	15
CP 00596			LE	4	2	11	22S	34E		647245	3586739*	50		
CP 00599			LE	1	1	12	22S	34E		647642	3587147*	62	50	12
CP 00751			LE	4	2	11	22S	34E		647245	3586739*		45	
CP 00933			LE	1	1	1	12	22S	34E	647541	3587246*	60		

Average Depth to Water: 41 feet

Minimum Depth: 30 feet

Maximum Depth: 50 feet

Record Count: 5

PLSS Search:

Section(s): 10-16

Township: 22S

Range: 34E

*UTM location was derived from PLSS - see Help

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