Form 3160-3
(June 2015)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.

6. If Indian, Allotee or Tribe Name

1a. Type of work: ☐ DRILL ☐ REENTER

1b. Type of Well: ☐ Oil Well ☐ Gas Well ☐ Other

1c. Type of Completion: ☐ Hydraulic Fracturing ☐ Single Zone ☐ Multiple Zone

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

8. Lease Name and Well No.
[331336]

2. Name of Operator
[260297]

9. API Well No. **30-025-49379**

3a. Address	3b. Phone No. *(include area code)*	10. Field and Pool, or Exploratory **[51020]**

4. Location of Well *(Report location clearly and in accordance with any State requirements.*)*
At surface
At proposed prod. zone

11. Sec., T. R. M. or Blk. and Survey or Area

14. Distance in miles and direction from nearest town or post office*	12. County or Parish	13. State

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)	16. No of acres in lease	17. Spacing Unit dedicated to this well

18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.	19. Proposed Depth	20. BLM/BIA Bond No. in file

21. Elevations (Show whether DF, KDB, RT, GL, etc.)	22. Approximate date work will start*	23. Estimated duration

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, and the Hydraulic Fracturing rule per 43 CFR 3162.3-3 (as applicable)

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification.
6. Such other site specific information and/or plans as may be requested by the BLM.

25. Signature	Name *(Printed/Typed)*	Date

Title

Approved by *(Signature)*	Name *(Printed/Typed)*	Date

Title	Office

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

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

NGMP Rec 09/07/2021

KZ
09/15/2021

SL

APPROVED WITH CONDITIONS

(Continued on page 2)

*(Instructions on page 2)

Approval Date: 09/07/2021

DISTRICT I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
DISTRICT II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
DISTRICT III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

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

Form C-102
Revised August 1, 2011
Submit one copy to appropriate District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
30-025-49379	51020	RED HILLS;LWR BONE SPRING

Property Code	Property Name	Well Number
331336	ROJO 7811 27-22 FEDERAL COM	52H

OGRID No.	Operator Name	Elevation
260297	BTA OIL PRODUCERS, LLC	3327'

Surface Location

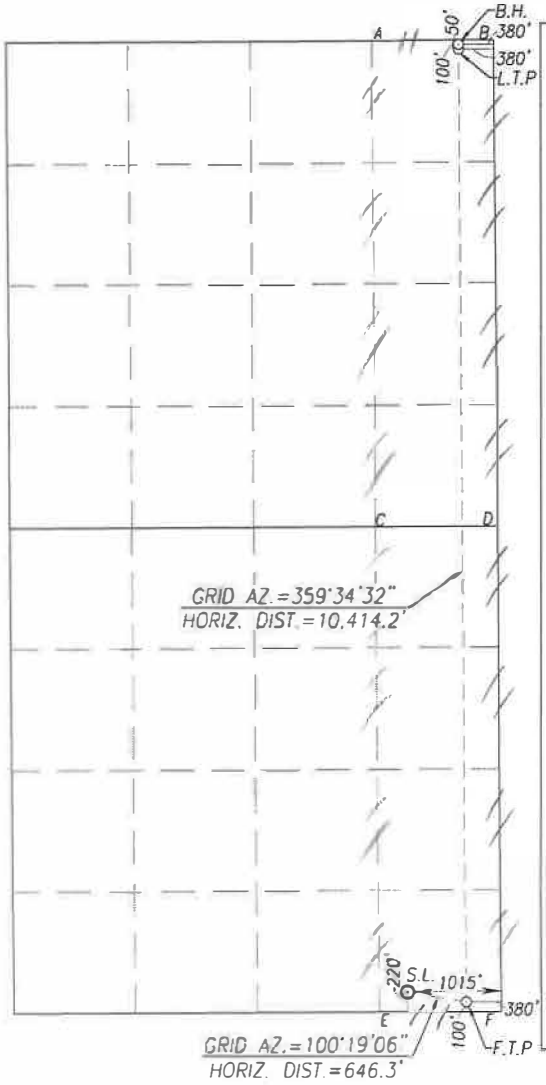
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	27	25-S	33-E		220	SOUTH	1015	EAST	LEA

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	22	25-S	33-E		50	NORTH	380	EAST	LEA

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
320			

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



SCALE: 1"=2000'

BOTTOM HOLE LOCATION
NAD 83 NME
Y= 409415.7 N
X= 782944.6 E
LAT.=32.123157° N
LONG.=103.552891° W

BOTTOM HOLE LOCATION
NAD 27 NME
Y= 409357.9 N
X= 741758.6 E
LAT.=32.123033° N
LONG.=103.552420° W

LAST TAKE POINT
NAD 83 NME
Y= 409365.7 N
X= 782945.0 E
LAT.=32.123020° N
LONG.=103.552891° W

LAST TAKE POINT
NAD 27 NME
Y= 409307.9 N
X= 741759.0 E
LAT.=32.122895° N
LONG.=103.552420° W

CORNER COORDINATES TABLE
NAD 27 NME
A - Y= 409401.4 N, X= 740813.4 E
B - Y= 409410.5 N, X= 742138.1 E
C - Y= 404121.2 N, X= 740851.6 E
D - Y= 404129.8 N, X= 742177.8 E
E - Y= 398839.9 N, X= 740891.1 E
F - Y= 398848.7 N, X= 742215.8 E

CORNER COORDINATES TABLE
NAD 83 NME
A - Y= 409459.2 N, X= 781999.4 E
B - Y= 409468.3 N, X= 783324.2 E
C - Y= 404179.0 N, X= 782037.9 E
D - Y= 404187.5 N, X= 783364.2 E
E - Y= 398897.5 N, X= 782077.7 E
F - Y= 398906.3 N, X= 783402.4 E

FIRST TAKE POINT
NAD 83 NME
Y= 399003.7 N
X= 783021.8 E
LAT.=32.094536° N
LONG.=103.552885° W

FIRST TAKE POINT
NAD 27 NME
Y= 398946.1 N
X= 741835.2 E
LAT.=32.094412° N
LONG.=103.552416° W

GEODETIC COORDINATES
NAD 83 NME
SURFACE LOCATION
Y= 399119.5 N
X= 782386.1 E
LAT.=32.094867° N
LONG.=103.554935° W

GEODETIC COORDINATES
NAD 27 NME
SURFACE LOCATION
Y= 399061.9 N
X= 741199.5 E
LAT.=32.094742° N
LONG.=103.554466° W

OPERATOR CERTIFICATION

I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature — Date: 10/13/2020

Sammy Hajar
Printed Name

SHAJAR@BTAOIL.COM
E-mail Address

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

RONALD J. EIDSON
NEW MEXICO
3239
REGISTERED PROFESSIONAL SURVEYOR

Date of Survey: JUNE 29, 2020
Signature & Seal of Professional Surveyor:

Ronald J Eidson 08/28/2020

Certificate Number: Gary G. Eidson 12641
Ronald J. Eidson 3239

ACK JWSC W.O. 20.11.0294

Operator Name: BTA OIL PRODUCERS LLC

Well Name: ROJO 7811 27-22 FEDERAL COM **Well Number:** 52H

Is the proposed well in an area containing other mineral resources? NONE

Is the proposed well in a Helium production area? N **Use Existing Well Pad?** Y **New surface disturbance?** Y

Type of Well Pad: MULTIPLE WELL **Multiple Well Pad Name:** ROJO 7811 27-22 FEDERAL COM **Number:** 51H, 52H, 53H and 54H

Well Class: HORIZONTAL **Number of Legs:** 1

Well Work Type: Drill

Well Type: OIL WELL

Describe Well Type:

Well sub-Type: INFILL

Describe sub-type:

Distance to town: **Distance to nearest well:** 515 FT **Distance to lease line:** 220 FT

Reservoir well spacing assigned acres Measurement: 320 Acres

Well plat: Signed_ROJO_7811_27_22_Federal_Com_52H_C102_20201117134946.pdf

Well work start Date: 04/18/2021 **Duration:** 30 DAYS

Section 3 - Well Location Table

Survey Type: RECTANGULAR

Describe Survey Type:

Datum: NAD83 **Vertical Datum:** NGVD29

Survey number: **Reference Datum:** GROUND LEVEL

Wellbore	NS-Foot	NS Indicator	EW-Foot	EW Indicator	Twsp	Range	Section	Aliquot/Lot/Tract	Latitude	Longitude	County	State	Meridian	Lease Type	Lease Number	Elevation	MD	TVD	Will this well produce from this lease?
SHL Leg #1	220	FSL	1015	FEL	25S	33E	27	Aliquot SESE	32.094867	-103.554935	LEA	NEW MEXICO	NEW MEXICO		FEE	3327	0	0	Y
KOP Leg #1	100	FSL	380	FEL	25S	33E	27	Aliquot SESE	32.094536	-103.552885	LEA	NEW MEXICO	NEW MEXICO		FEE	-6657	10020	9984	Y
PPP Leg #1-1	100	FSL	380	FEL	25S	33E	27	Aliquot SESE	32.094536	-103.552885	LEA	NEW MEXICO	NEW MEXICO		FEE	-6795	10160	10122	Y

Operator Name: BTA OIL PRODUCERS LLC

Well Name: ROJO 7811 27-22 FEDERAL COM **Well Number:** 52H

Wellbore	NS-Foot	NS Indicator	EW-Foot	EW Indicator	Twsp	Range	Section	Aliquot/Lot/Tract	Latitude	Longitude	County	State	Meridian	Lease Type	Lease Number	Elevation	MD	TVD	Will this well produce from this lease?
PPP Leg #1-2	2630	FNL	380	FEL	25S	33E	22	Aliquot SENE	32.116051	-103.55289	LEA	NEW MEXICO	NEW MEXICO	F	NMNM 15091	-7135	18200	10462	Y
EXIT Leg #1	100	FSL	380	FEL	25S	33E	22	Aliquot NENE	32.12302	-103.552891	LEA	NEW MEXICO	NEW MEXICO	F	NMNM 15091	-7135	20505	10462	Y
BHL Leg #1	50	FNL	380	FEL	25S	33E	22	Aliquot NENE	32.123157	-103.552891	LEA	NEW MEXICO	NEW MEXICO	F	NMNM 15091	-7135	20785	10462	Y

AFMSS
U.S. Department of the Interior
BUREAU OF LAND MANAGEMENT

Drilling Plan Data Report
09/07/2021

APD ID: 10400065347
Submission Date: 11/18/2020
Operator Name: BTA OIL PRODUCERS LLC
Well Name: ROJO 7811 27-22 FEDERAL COM
Well Number: 52H
Well Type: OIL WELL
Well Work Type: Drill

Highlighted data reflects the most recent changes

Show Final Text

Section 1 - Geologic Formations

Formation ID	Formation Name	Elevation	True Vertical Depth	Measured Depth	Lithologies	Mineral Resources	Producing Formation
1163485	QUATERNARY	3327	0	0	ALLUVIUM	NONE	N
1163486	RUSTLER	2305	1022	1022	ANHYDRITE	NONE	N
1163487	TOP SALT	1755	1572	1572	SALT	NONE	N
1163488	BASE OF SALT	-1440	4767	4767	SALT	NONE	N
1163489	DELAWARE	-1665	4992	4992	LIMESTONE	NATURAL GAS, OIL	N
1163498	BELL CANYON	-1690	5017	5017	SANDSTONE	NATURAL GAS, OIL	N
1163491	CHERRY CANYON	-3095	6422	6422	SANDSTONE	NATURAL GAS, OIL	N
1163492	BRUSHY CANYON	-4280	7607	7607	SANDSTONE	NATURAL GAS, OIL	N
1163493	BONE SPRING LIME	-5800	9127	9127	LIMESTONE	NATURAL GAS, OIL	N
1163494	FIRST BONE SPRING SAND	-6795	10122	10122	SANDSTONE	NATURAL GAS, OIL	N

Section 2 - Blowout Prevention

Pressure Rating (PSI): 5M
Rating Depth: 12000

Equipment: The blowout preventer equipment (BOP) shown in Exhibit A will consist of a (5M system) double ram type (5,000 psi WP) preventer and a bag-type (Hydril) preventer (5000 psi WP). Both units will be hydraulically operated and the ram type preventer will be equipped with blind rams on top and 5" drill pipe rams on bottom. The BOPs will be installed on the 13-3/8" surface casing and utilized continuously until total depth is reached. A 2" kill line and 3" choke line will be incorporated in the drilling spool below the ram-type BOP. A remote kill line will be used for the 5M system as per onshore order #2. Other accessory BOP equipment will include a Kelly cock, floor safety valve, choke lines, and choke manifold having a 5,000 psi WP rating. The 5M annular will be tested as per BLM drilling Operations Order No. 2, and will be test to 100% of working pressure.
Requesting Variance? NO

Variance request:

Testing Procedure: Pipe rams will be operated and checked each 24-hour period and each time the drill pipe is out of the hole. These functional tests will be documented on the daily drillers log. All BOPs and associated equipment will be tested as

Operator Name: BTA OIL PRODUCERS LLC

Well Name: ROJO 7811 27-22 FEDERAL COM **Well Number:** 52H

per BLM drilling Operations Order No. 2.

Choke Diagram Attachment:

5M_choke_mannifold_20200917143047.pdf

Choke_Hose___Test_Chart_and_Specs_20190723082742.pdf

BOP Diagram Attachment:

5M_BOP_diagram_20200917143053.pdf

Section 3 - Casing

Casing ID	String Type	Hole Size	Csg Size	Condition	Standard	Tapered String	Top Set MD	Bottom Set MD	Top Set TVD	Bottom Set TVD	Top Set MSL	Bottom Set MSL	Calculated casing length MD	Grade	Weight	Joint Type	Collapse SF	Burst SF	Joint SF Type	Joint SF	Body SF Type	Body SF
1	SURFACE	17.5	13.375	NEW	API	N	0	1070	0	1070	3327	2257	1070	J-55	54.5	ST&C	2.4	5.9	DRY	8.8	DRY	14.6
2	INTERMEDIATE	12.25	9.625	NEW	API	N	0	4993	0	4972	3419	-1645	4993	J-55	40	LT&C	1.9	1.6	DRY	2.6	DRY	3.2
3	PRODUCTION	8.75	5.5	NEW	API	N	0	20785	0	10462	3419	-7135	20785	P-110	17	BUTT	1.5	2.1	DRY	1.6	DRY	1.5

Casing Attachments

Casing ID: 1 **String Type:** SURFACE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

Rojo_52H_casing_assumption_20201118150900.JPG

Operator Name: BTA OIL PRODUCERS LLC

Well Name: ROJO 7811 27-22 FEDERAL COM **Well Number:** 52H

Casing Attachments

Casing ID: 2 **String Type:** INTERMEDIATE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

Rojo_52H_casing_assumption_20201118150820.JPG

Casing ID: 3 **String Type:** PRODUCTION

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

Rojo_52H_casing_assumption_20201118150646.JPG

Section 4 - Cement

String Type	Lead/Tail	Stage Tool Depth	Top MD	Bottom MD	Quantity(sx)	Yield	Density	Cu Ft	Excess%	Cement type	Additives
SURFACE	Lead		0	735	595	1.73	13.5	1029.35	100	Class C	2% CaCl2
SURFACE	Tail		735	1070	340	1.35	14.8	459	100	Class C	2% CaCl2
INTERMEDIATE	Lead		0	4435	1310	2.46	12.8	3222.6	100	Class C	0.5% CaCl2
INTERMEDIATE	Tail		4435	4993	200	1.34	14.8	268	25	Class C	1% CaCl2
PRODUCTION	Lead		3993	9910	580	3.9	10.5	2262	60	25% Poz 75% Class C	0.4% Fluid Loss

Operator Name: BTA OIL PRODUCERS LLC

Well Name: ROJO 7811 27-22 FEDERAL COM **Well Number:** 52H

String Type	Lead/Tail	Stage Tool Depth	Top MD	Bottom MD	Quantity(sx)	Yield	Density	Cu Ft	Excess%	Cement type	Additives
PRODUCTION	Tail		9910	20785	2750	1.25	14.4	3437.5	25	Class H	0.2% LT Retarder

Section 5 - Circulating Medium

Mud System Type: Closed

Will an air or gas system be Used? NO

Description of the equipment for the circulating system in accordance with Onshore Order #2:

Diagram of the equipment for the circulating system in accordance with Onshore Order #2:

Describe what will be on location to control well or mitigate other conditions: Sufficient mud materials to maintain mud properties and meet minimum lost circulation and weight increase requirements will be kept on location at all times.

Describe the mud monitoring system utilized: PVT/Pason/Visual Monitoring

Circulating Medium Table

Top Depth	Bottom Depth	Mud Type	Min Weight (lbs/gal)	Max Weight (lbs/gal)	Density (lbs/cu ft)	Gel Strength (lbs/100 sqft)	PH	Viscosity (CP)	Salinity (ppm)	Filtration (cc)	Additional Characteristics
0	1070	OTHER : FW SPUD	8.3	8.4							
1070	4972	OTHER : FW GEL	9	9.4							
4972	10462	OTHER : CUT BRINE	8.7	9.3							

Operator Name: BTA OIL PRODUCERS LLC

Well Name: ROJO 7811 27-22 FEDERAL COM **Well Number:** 52H

Section 6 - Test, Logging, Coring

List of production tests including testing procedures, equipment and safety measures:

Drill Stem Tests will be based on geological sample shows.

List of open and cased hole logs run in the well:

MUD LOG/GEOLOGICAL LITHOLOGY LOG,GAMMA RAY LOG,CEMENT BOND LOG,

Coring operation description for the well:

None planned

Section 7 - Pressure

Anticipated Bottom Hole Pressure: 5114 **Anticipated Surface Pressure:** 2812

Anticipated Bottom Hole Temperature(F): 164

Anticipated abnormal pressures, temperatures, or potential geologic hazards? NO

Describe:

Contingency Plans geoharzards description:

Contingency Plans geohazards attachment:

Hydrogen Sulfide drilling operations plan required? YES

Hydrogen sulfide drilling operations plan:

BTA_Oil_Producers_LLC___EMERGENCY_CALL_LIST_20190723161502.pdf
H2S_Equipment_Schematic_20190723161502.pdf
H2S_Plan_20190723161502.pdf

Section 8 - Other Information

Proposed horizontal/directional/multi-lateral plan submission:

Rojo_7811_27_22_Fed_Com_52H_WM_20201118153107.pdf
QES___Rojo_7811_27_22_Fed_Com_52H___Geo_Survey_Rpt_20201118153107.pdf
Rojo_52H_Gas_Capture_Plan_20201118153135.pdf

Other proposed operations facets description:

A variance is requested for a Multi Bowl Wellhead. See the attached schematic. *All strings will be kept 1/3 full while running.

Other proposed operations facets attachment:

Other Variance attachment:

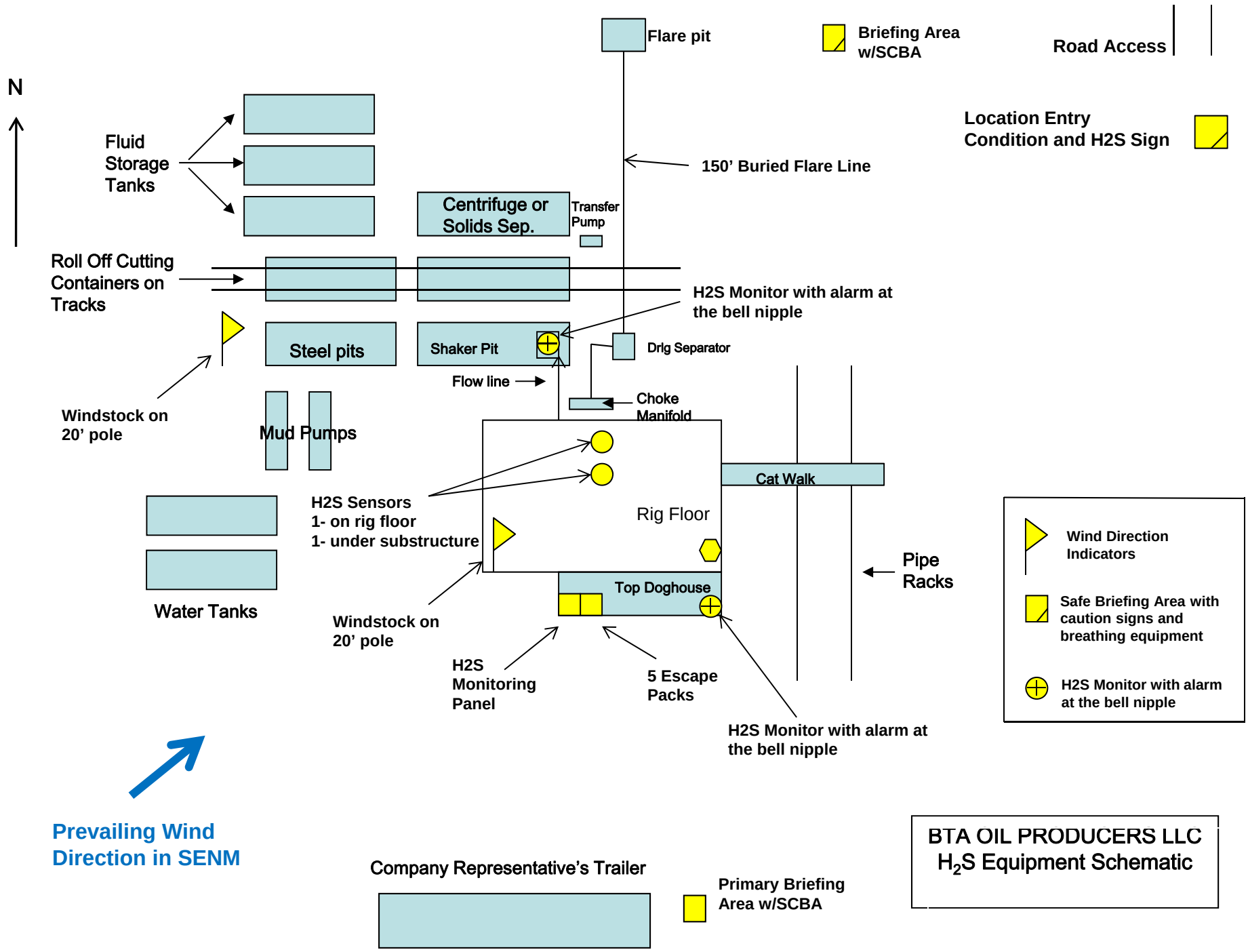
BOP_Break_Testing_Variance_20200917143242.pdf
Multi_Bowl_Diagram_13_38_x_9_58_x_5_12_20200917143315.pdf

EMERGENCY CALL LIST

	OFFICE	MOBILE
BTA Oil Producers LLC OFFICE	432-682-3753	
BEN GRIMES, Operations	432-682-3753	432-559-4309
NICK EATON, Drilling	432-682-3753	432-260-7841
TRACE WOHLFAHRT, Completions	432-682-3753	

EMERGENCY RESPONSE NUMBERS

	OFFICE
STATE POLICE	575-748-9718
EDDY COUNTY SHERIFF	575-746-2701
EMERGENCY MEDICAL SERVICES (AMBULANCE)	911 or 575-746-2701
EDDY COUNTY EMERGENCY MANAGEMENT (HARRY BURGESS)	575-887-9511
STATE EMERGENCY RESPONSE CENTER (SERC)	575-476-9620
CARLSBAD POLICE DEPARTMENT	575-885-2111
CARLSBAD FIRE DEPARTMENT	575-885-3125
NEW MEXICO OIL CONSERVATION DIVISION	575-748-1283
INDIAN FIRE & SAFETY	800-530-8693
HALLIBURTON SERVICES	800-844-8451



BTA OIL PRODUCERS LLC
H_2S Equipment Schematic

BTA OIL PRODUCERS LLC

HYDROGEN SULFIDE DRILLING OPERATIONS PLAN

1. HYDROGEN SULFIDE TRAINING

All personnel, whether regularly assigned, contracted, or employed on an unscheduled basis, will receive training from a qualified instructor in the following areas prior to commencing drilling operations on this well:

a. The hazards and characteristics of hydrogen sulfide (H_2S).
b. The proper use and maintenance of personal protective equipment and life support systems.
c. The proper use of H_2S detectors, alarms, warning systems, briefing areas, evacuation procedures, and prevailing winds.
d. The proper techniques for first aid and rescue procedures.

In addition, supervisory personnel will be trained in the following areas:

a. The effects of H2S on metal components. If high tensile tubulars are to be used, personnel will be trained in their special maintenance requirements.
b. Corrective action and shut-in procedures when drilling or reworking a well and blowout prevention and well control procedures.
c. The contents and requirements of the H_2S Drilling Operations Plan and the Public Protection Plan.

There will be an initial training session just prior to encountering a known or probable H2S zone (within 3 days or 500 feet) and weekly H2S and well control drills for all personnel in each crew. The initial training session shall include a review of the site specific H2S Drilling Operations Plan and the Public Protection Plan. This plan shall be available at the well site. All personnel will be required to carry documentation that they have received the proper training.

2. H_2S SAFETY EQUIPMENT AND SYSTEMS

Note: All H_2S safety equipment and systems will be installed, tested, and operational when drilling reaches a depth of 500 feet above, or three days prior to penetrating the first zone containing or reasonably expected to contain H2S. If H2S greater than 100 ppm is encountered in the gas stream we will shut in and install H2S equipment.

a. Well Control Equipment:
Flare line.
Choke manifold with remotely operated choke.
Blind rams and pipe rams to accommodate all pipe sizes with properly sized closing unit.
Auxiliary equipment to include: annular preventer, mud-gas separator, rotating head.
b. Protective equipment for essential personnel:
Mark II Surviveair 30-minute units located in the dog house and at briefing areas.
c. H2S detection and monitoring equipment:

2 - portable H2S monitor positioned on location for best coverage and response. These units have warning lights and audible sirens when H2S levels of 20 ppm are reached.

d. Visual warning systems:
Caution/Danger signs shall be posted on roads providing direct access to location. Signs will be painted a high visibility yellow with black lettering of sufficient size to be readable at a reasonable distance from the immediate location. Bilingual signs will be used, when appropriate. See example attached.

e. Mud Program:
The mud program has been designed to minimize the volume of H2S circulated to the surface.

f. Metallurgy:
All drill strings, casings, tubing, wellhead, blowout preventers, drilling spool, kill lines, choke manifold and lines, and valves shall be suitable for H2S service.

g. Communication:
Company vehicles equipped with cellular telephone.

W A R N I N G

YOU ARE ENTERING AN H_2S AREA
AUTHORIZED PERSONNEL ONLY

1. ***BEARDS OR CONTACT LENSES NOT ALLOWED***
2. ***HARD HATS REQUIRED***
3. ***SMOKING IN DESIGNATED AREAS ONLY***
4. ***BE WIND CONSCIOUS AT ALL TIMES***
5. ***CK WITH BTA OIL PRODUCERS LLC FOREMAN AT MAIN OFFICE***

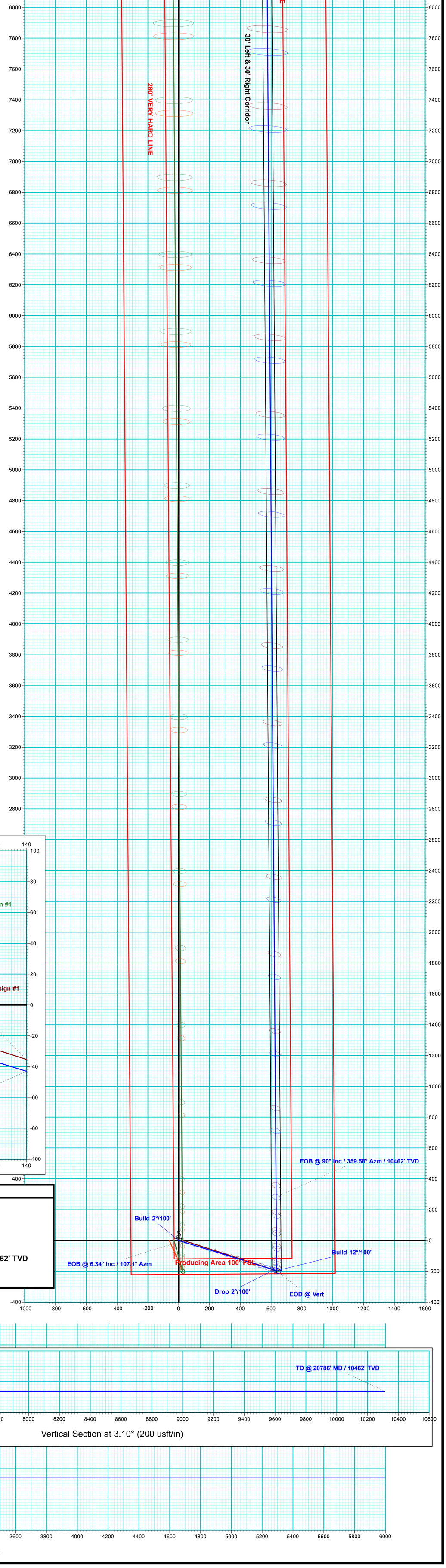
BTA OIL PRODUCERS LLC

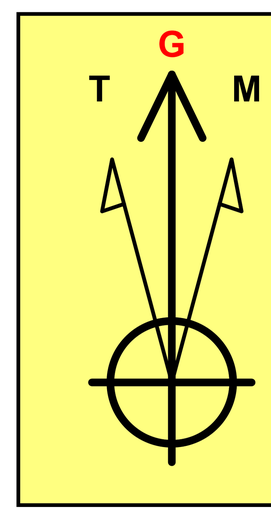
1-432-682-3753

Company Name: BTA Oil Producers, LLC
Rojo 7811 27-22 Fed Com #52H
Lea County, NM (NAD 83)
Rig: Patterson
Created By: Shane Robbins
Date: 10/21/2020

Rojo 7811 27-22 Fed Com #52H
Lea County, NM (NAD 83)
Q200*** & WT-200***
Design #1

DIRECTIONAL DRILLING





Azimuths to Grid North

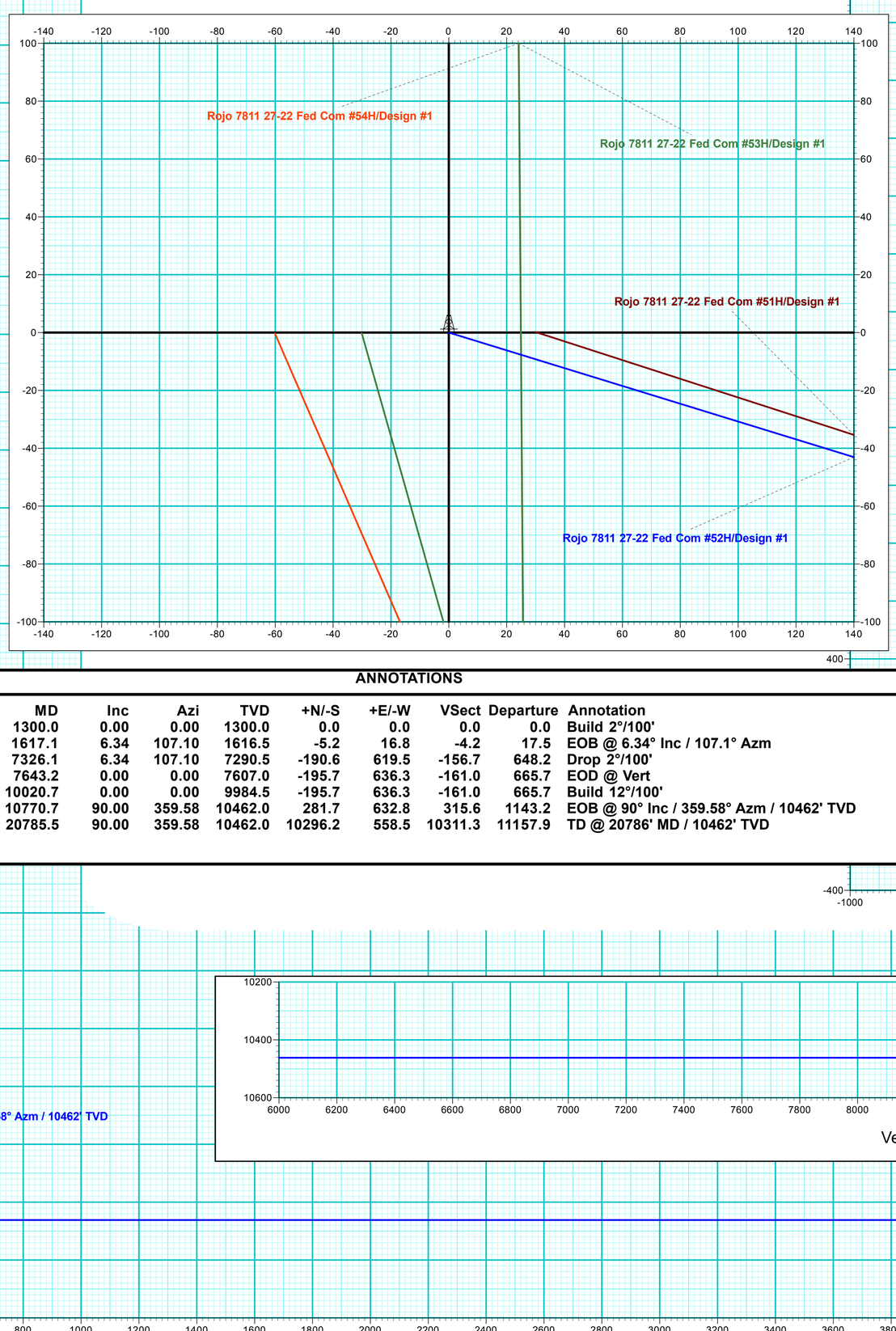
Correction: 6.07°

Magnetic Field

Strength: 47610.8nT
Dip Angle: 59.67°
Date: 10/21/2020
Model: HDGM2020

PROJECT DETAILS: Lea County, NM (NAD 83)	
Geodetic System:	US State Plane 1983
Datum:	North American Datum 1983
Ellipsoid:	GRS 1980
Zone:	New Mexico Eastern Zone
System Datum:	Mean Sea Level

WELL DETAILS: Rojo 7811 27-22 Fed Com #52H					
		3327.0			
+N/-S	+E/-W	Northing	Easting	Latittude	Longitude
0.0	0.0	399119.50	782386.10	32° 5' 41.522 N	103° 33' 17.767 W



ANNOTATIONS

MD	Inc	Azi	TVD	+N/-S	+E/-W	VSect	Departure	Annotation
1300.0	0.00	0.00	1300.0	0.0	0.0	0.0	0.0	Build 2°/100'
1617.1	6.34	107.10	1616.5	-5.2	16.8	-4.2	17.5	EOB @ 6.34° Inc / 107.1° Azm
7326.1	6.34	107.10	7290.5	-190.6	619.5	-156.7	648.2	Drop 2°/100'
7643.2	0.00	0.00	7607.0	-195.7	636.3	-161.0	665.7	EOD @ Vert
10020.7	0.00	0.00	9984.5	-195.7	636.3	-161.0	665.7	Build 12°/100'
10770.7	90.00	359.58	10462.0	281.7	632.8	315.6	1143.2	EOB @ 90° Inc / 359.58° Azm / 10462' TVD
20785.5	90.00	359.58	10462.0	10296.2	558.5	10311.3	11157.9	TD @ 20786' MD / 10462' TVD

BTA Oil Producers, LLC

Lea County, NM (NAD 83)
Sec 27, T25-S, R33-E
Rojo 7811 27-22 Fed Com #52H

Wellbore #1

Plan: Design #1

Survey Report - Geographic

11 November, 2020

QUINTANA ENERGY SERVICES

QES

Survey Report - Geographic

Company:	BTA Oil Producers, LLC	**Local Co-ordinate Reference:**	Well Rojo 7811 27-22 Fed Com #52H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	WELL @ 3352.0usft (Patterson)
Site:	Sec 27, T25-S, R33-E	**MD Reference:**	WELL @ 3352.0usft (Patterson)
Well:	Rojo 7811 27-22 Fed Com #52H	**North Reference:**	Grid
Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Design #1	**Database:**	EDM 5000.1 Single User Db

Project Lea County, NM (NAD 83)

Map System:	US State Plane 1983	**System Datum:**	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site Sec 27, T25-S, R33-E

Site Position:		**Northing:**	403,958.90 usft	**Latitude:**	32.108177
From:	Map	**Easting:**	782,026.00 usft	**Longitude:**	-103.555986
Position Uncertainty:	0.0 usft	**Slot Radius:**	13-3/16 "	**Grid Convergence:**	0.41 °

Well Rojo 7811 27-22 Fed Com #52H

Well Position	**+N/-S**	0.0 usft	**Northing:**	399,119.50 usft	**Latitude:**	32.094867
	+E/-W	0.0 usft	**Easting:**	782,386.10 usft	**Longitude:**	-103.554935
Position Uncertainty		0.0 usft	**Wellhead Elevation:**	usft	**Ground Level:**	3,327.0 usft

Wellbore Wellbore #1

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM2020	10/21/2020	6.48	59.67	47,610.80000000

Design Design #1

Audit Notes:

Version:		**Phase:**	PLAN	**Tie On Depth:**	0.0

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	3.10

Survey Tool Program **Date** 10/21/2020

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.0	20,785.5	Design #1 (Wellbore #1)	MWD	OWSG MWD - Standard

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
0.0	0.00	0.00	0.0	0.0	0.0	399,119.50	782,386.10	32.094867	-103.554935
100.0	0.00	0.00	100.0	0.0	0.0	399,119.50	782,386.10	32.094867	-103.554935
200.0	0.00	0.00	200.0	0.0	0.0	399,119.50	782,386.10	32.094867	-103.554935
300.0	0.00	0.00	300.0	0.0	0.0	399,119.50	782,386.10	32.094867	-103.554935
400.0	0.00	0.00	400.0	0.0	0.0	399,119.50	782,386.10	32.094867	-103.554935
500.0	0.00	0.00	500.0	0.0	0.0	399,119.50	782,386.10	32.094867	-103.554935
600.0	0.00	0.00	600.0	0.0	0.0	399,119.50	782,386.10	32.094867	-103.554935
700.0	0.00	0.00	700.0	0.0	0.0	399,119.50	782,386.10	32.094867	-103.554935
800.0	0.00	0.00	800.0	0.0	0.0	399,119.50	782,386.10	32.094867	-103.554935
900.0	0.00	0.00	900.0	0.0	0.0	399,119.50	782,386.10	32.094867	-103.554935
1,000.0	0.00	0.00	1,000.0	0.0	0.0	399,119.50	782,386.10	32.094867	-103.554935
1,100.0	0.00	0.00	1,100.0	0.0	0.0	399,119.50	782,386.10	32.094867	-103.554935

QES

Survey Report - Geographic

Company:	BTA Oil Producers, LLC	**Local Co-ordinate Reference:**	Well Rojo 7811 27-22 Fed Com #52H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	WELL @ 3352.0usft (Patterson)
Site:	Sec 27, T25-S, R33-E	**MD Reference:**	WELL @ 3352.0usft (Patterson)
Well:	Rojo 7811 27-22 Fed Com #52H	**North Reference:**	Grid
Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Design #1	**Database:**	EDM 5000.1 Single User Db

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
1,200.0	0.00	0.00	1,200.0	0.0	0.0	399,119.50	782,386.10	32.094867	-103.554935
1,300.0	0.00	0.00	1,300.0	0.0	0.0	399,119.50	782,386.10	32.094867	-103.554935
Build 2°/100'									
1,400.0	2.00	107.10	1,400.0	-0.5	1.7	399,118.99	782,387.77	32.094866	-103.554930
1,500.0	4.00	107.10	1,499.8	-2.1	6.7	399,117.45	782,392.77	32.094862	-103.554914
1,600.0	6.00	107.10	1,599.5	-4.6	15.0	399,114.88	782,401.10	32.094854	-103.554887
1,617.1	6.34	107.10	1,616.5	-5.2	16.8	399,114.34	782,402.86	32.094853	-103.554882
EOB @ 6.34° Inc / 107.1° Azm									
1,700.0	6.34	107.10	1,698.8	-7.8	25.5	399,111.65	782,411.61	32.094845	-103.554853
1,800.0	6.34	107.10	1,798.2	-11.1	36.1	399,108.40	782,422.17	32.094836	-103.554819
1,900.0	6.34	107.10	1,897.6	-14.3	46.6	399,105.16	782,432.72	32.094827	-103.554785
2,000.0	6.34	107.10	1,997.0	-17.6	57.2	399,101.91	782,443.28	32.094818	-103.554751
2,100.0	6.34	107.10	2,096.4	-20.8	67.7	399,098.66	782,453.84	32.094809	-103.554717
2,200.0	6.34	107.10	2,195.8	-24.1	78.3	399,095.41	782,464.40	32.094800	-103.554683
2,300.0	6.34	107.10	2,295.2	-27.3	88.9	399,092.17	782,474.96	32.094790	-103.554649
2,400.0	6.34	107.10	2,394.6	-30.6	99.4	399,088.92	782,485.52	32.094781	-103.554615
2,500.0	6.34	107.10	2,493.9	-33.8	110.0	399,085.67	782,496.07	32.094772	-103.554581
2,600.0	6.34	107.10	2,593.3	-37.1	120.5	399,082.42	782,506.63	32.094763	-103.554547
2,700.0	6.34	107.10	2,692.7	-40.3	131.1	399,079.17	782,517.19	32.094754	-103.554513
2,800.0	6.34	107.10	2,792.1	-43.6	141.7	399,075.93	782,527.75	32.094745	-103.554479
2,900.0	6.34	107.10	2,891.5	-46.8	152.2	399,072.68	782,538.31	32.094736	-103.554445
3,000.0	6.34	107.10	2,990.9	-50.1	162.8	399,069.43	782,548.87	32.094727	-103.554411
3,100.0	6.34	107.10	3,090.3	-53.3	173.3	399,066.18	782,559.42	32.094717	-103.554377
3,200.0	6.34	107.10	3,189.7	-56.6	183.9	399,062.94	782,569.98	32.094708	-103.554343
3,300.0	6.34	107.10	3,289.1	-59.8	194.4	399,059.69	782,580.54	32.094699	-103.554309
3,400.0	6.34	107.10	3,388.4	-63.1	205.0	399,056.44	782,591.10	32.094690	-103.554275
3,500.0	6.34	107.10	3,487.8	-66.3	215.6	399,053.19	782,601.66	32.094681	-103.554241
3,600.0	6.34	107.10	3,587.2	-69.6	226.1	399,049.94	782,612.22	32.094672	-103.554207
3,700.0	6.34	107.10	3,686.6	-72.8	236.7	399,046.70	782,622.77	32.094663	-103.554173
3,800.0	6.34	107.10	3,786.0	-76.0	247.2	399,043.45	782,633.33	32.094653	-103.554139
3,900.0	6.34	107.10	3,885.4	-79.3	257.8	399,040.20	782,643.89	32.094644	-103.554105
4,000.0	6.34	107.10	3,984.8	-82.5	268.4	399,036.95	782,654.45	32.094635	-103.554071
4,100.0	6.34	107.10	4,084.2	-85.8	278.9	399,033.71	782,665.01	32.094626	-103.554037
4,200.0	6.34	107.10	4,183.5	-89.0	289.5	399,030.46	782,675.57	32.094617	-103.554003
4,300.0	6.34	107.10	4,282.9	-92.3	300.0	399,027.21	782,686.12	32.094608	-103.553969
4,400.0	6.34	107.10	4,382.3	-95.5	310.6	399,023.96	782,696.68	32.094599	-103.553935
4,500.0	6.34	107.10	4,481.7	-98.8	321.1	399,020.72	782,707.24	32.094589	-103.553901
4,600.0	6.34	107.10	4,581.1	-102.0	331.7	399,017.47	782,717.80	32.094580	-103.553867
4,700.0	6.34	107.10	4,680.5	-105.3	342.3	399,014.22	782,728.36	32.094571	-103.553833
4,800.0	6.34	107.10	4,779.9	-108.5	352.8	399,010.97	782,738.92	32.094562	-103.553799
4,900.0	6.34	107.10	4,879.3	-111.8	363.4	399,007.72	782,749.47	32.094553	-103.553765
5,000.0	6.34	107.10	4,978.6	-115.0	373.9	399,004.48	782,760.03	32.094544	-103.553731
5,100.0	6.34	107.10	5,078.0	-118.3	384.5	399,001.23	782,770.59	32.094535	-103.553697
5,200.0	6.34	107.10	5,177.4	-121.5	395.1	398,997.98	782,781.15	32.094526	-103.553663
5,300.0	6.34	107.10	5,276.8	-124.8	405.6	398,994.73	782,791.71	32.094516	-103.553629
5,400.0	6.34	107.10	5,376.2	-128.0	416.2	398,991.49	782,802.27	32.094507	-103.553595
5,500.0	6.34	107.10	5,475.6	-131.3	426.7	398,988.24	782,812.82	32.094498	-103.553561
5,600.0	6.34	107.10	5,575.0	-134.5	437.3	398,984.99	782,823.38	32.094489	-103.553527
5,700.0	6.34	107.10	5,674.4	-137.8	447.8	398,981.74	782,833.94	32.094480	-103.553493
5,800.0	6.34	107.10	5,773.8	-141.0	458.4	398,978.49	782,844.50	32.094471	-103.553459
5,900.0	6.34	107.10	5,873.1	-144.3	469.0	398,975.25	782,855.06	32.094462	-103.553425
6,000.0	6.34	107.10	5,972.5	-147.5	479.5	398,972.00	782,865.62	32.094452	-103.553391
6,100.0	6.34	107.10	6,071.9	-150.7	490.1	398,968.75	782,876.17	32.094443	-103.553357
6,200.0	6.34	107.10	6,171.3	-154.0	500.6	398,965.50	782,886.73	32.094434	-103.553323
6,300.0	6.34	107.10	6,270.7	-157.2	511.2	398,962.26	782,897.29	32.094425	-103.553289

QES

Survey Report - Geographic

Company:	BTA Oil Producers, LLC	**Local Co-ordinate Reference:**	Well Rojo 7811 27-22 Fed Com #52H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	WELL @ 3352.0usft (Patterson)
Site:	Sec 27, T25-S, R33-E	**MD Reference:**	WELL @ 3352.0usft (Patterson)
Well:	Rojo 7811 27-22 Fed Com #52H	**North Reference:**	Grid
Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Design #1	**Database:**	EDM 5000.1 Single User Db

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
6,400.0	6.34	107.10	6,370.1	-160.5	521.8	398,959.01	782,907.85	32.094416	-103.553255
6,500.0	6.34	107.10	6,469.5	-163.7	532.3	398,955.76	782,918.41	32.094407	-103.553221
6,600.0	6.34	107.10	6,568.9	-167.0	542.9	398,952.51	782,928.97	32.094398	-103.553186
6,700.0	6.34	107.10	6,668.2	-170.2	553.4	398,949.26	782,939.52	32.094388	-103.553152
6,800.0	6.34	107.10	6,767.6	-173.5	564.0	398,946.02	782,950.08	32.094379	-103.553118
6,900.0	6.34	107.10	6,867.0	-176.7	574.5	398,942.77	782,960.64	32.094370	-103.553084
7,000.0	6.34	107.10	6,966.4	-180.0	585.1	398,939.52	782,971.20	32.094361	-103.553050
7,100.0	6.34	107.10	7,065.8	-183.2	595.7	398,936.27	782,981.76	32.094352	-103.553016
7,200.0	6.34	107.10	7,165.2	-186.5	606.2	398,933.03	782,992.32	32.094343	-103.552982
7,300.0	6.34	107.10	7,264.6	-189.7	616.8	398,929.78	783,002.87	32.094334	-103.552948
7,326.1	6.34	107.10	7,290.5	-190.6	619.5	398,928.93	783,005.63	32.094331	-103.552939
Drop 2°/100'									
7,400.0	4.86	107.10	7,364.1	-192.7	626.4	398,926.81	783,012.53	32.094325	-103.552917
7,500.0	2.86	107.10	7,463.8	-194.7	632.9	398,924.83	783,018.97	32.094320	-103.552897
7,600.0	0.86	107.10	7,563.8	-195.6	636.0	398,923.87	783,022.08	32.094317	-103.552887
7,643.2	0.00	0.00	7,607.0	-195.7	636.3	398,923.77	783,022.39	32.094317	-103.552886
EOD @ Vert									
7,700.0	0.00	0.00	7,663.8	-195.7	636.3	398,923.77	783,022.39	32.094317	-103.552886
7,800.0	0.00	0.00	7,763.8	-195.7	636.3	398,923.77	783,022.39	32.094317	-103.552886
7,900.0	0.00	0.00	7,863.8	-195.7	636.3	398,923.77	783,022.39	32.094317	-103.552886
8,000.0	0.00	0.00	7,963.8	-195.7	636.3	398,923.77	783,022.39	32.094317	-103.552886
8,100.0	0.00	0.00	8,063.8	-195.7	636.3	398,923.77	783,022.39	32.094317	-103.552886
8,200.0	0.00	0.00	8,163.8	-195.7	636.3	398,923.77	783,022.39	32.094317	-103.552886
8,300.0	0.00	0.00	8,263.8	-195.7	636.3	398,923.77	783,022.39	32.094317	-103.552886
8,400.0	0.00	0.00	8,363.8	-195.7	636.3	398,923.77	783,022.39	32.094317	-103.552886
8,500.0	0.00	0.00	8,463.8	-195.7	636.3	398,923.77	783,022.39	32.094317	-103.552886
8,600.0	0.00	0.00	8,563.8	-195.7	636.3	398,923.77	783,022.39	32.094317	-103.552886
8,700.0	0.00	0.00	8,663.8	-195.7	636.3	398,923.77	783,022.39	32.094317	-103.552886
8,800.0	0.00	0.00	8,763.8	-195.7	636.3	398,923.77	783,022.39	32.094317	-103.552886
8,900.0	0.00	0.00	8,863.8	-195.7	636.3	398,923.77	783,022.39	32.094317	-103.552886
9,000.0	0.00	0.00	8,963.8	-195.7	636.3	398,923.77	783,022.39	32.094317	-103.552886
9,100.0	0.00	0.00	9,063.8	-195.7	636.3	398,923.77	783,022.39	32.094317	-103.552886
9,200.0	0.00	0.00	9,163.8	-195.7	636.3	398,923.77	783,022.39	32.094317	-103.552886
9,300.0	0.00	0.00	9,263.8	-195.7	636.3	398,923.77	783,022.39	32.094317	-103.552886
9,400.0	0.00	0.00	9,363.8	-195.7	636.3	398,923.77	783,022.39	32.094317	-103.552886
9,500.0	0.00	0.00	9,463.8	-195.7	636.3	398,923.77	783,022.39	32.094317	-103.552886
9,600.0	0.00	0.00	9,563.8	-195.7	636.3	398,923.77	783,022.39	32.094317	-103.552886
9,700.0	0.00	0.00	9,663.8	-195.7	636.3	398,923.77	783,022.39	32.094317	-103.552886
9,800.0	0.00	0.00	9,763.8	-195.7	636.3	398,923.77	783,022.39	32.094317	-103.552886
9,900.0	0.00	0.00	9,863.8	-195.7	636.3	398,923.77	783,022.39	32.094317	-103.552886
10,000.0	0.00	0.00	9,963.8	-195.7	636.3	398,923.77	783,022.39	32.094317	-103.552886
10,020.7	0.00	0.00	9,984.5	-195.7	636.3	398,923.77	783,022.39	32.094317	-103.552886
Build 12°/100'									
10,025.0	0.51	359.58	9,988.8	-195.7	636.3	398,923.79	783,022.39	32.094317	-103.552886
10,050.0	3.51	359.58	10,013.7	-194.8	636.3	398,924.67	783,022.38	32.094319	-103.552886
10,075.0	6.51	359.58	10,038.6	-192.6	636.3	398,926.86	783,022.37	32.094325	-103.552886
10,100.0	9.51	359.58	10,063.4	-189.2	636.2	398,930.34	783,022.34	32.094335	-103.552886
10,125.0	12.51	359.58	10,087.9	-184.4	636.2	398,935.11	783,022.31	32.094348	-103.552886
10,150.0	15.51	359.58	10,112.2	-178.3	636.2	398,941.17	783,022.26	32.094365	-103.552886
10,175.0	18.51	359.58	10,136.1	-171.0	636.1	398,948.48	783,022.21	32.094385	-103.552886
10,200.0	21.51	359.58	10,159.6	-162.5	636.0	398,957.03	783,022.14	32.094408	-103.552886
10,225.0	24.51	359.58	10,182.6	-152.7	636.0	398,966.81	783,022.07	32.094435	-103.552886
10,250.0	27.51	359.58	10,205.1	-141.7	635.9	398,977.77	783,021.99	32.094465	-103.552886
10,275.0	30.51	359.58	10,226.9	-129.6	635.8	398,989.89	783,021.90	32.094498	-103.552886
10,300.0	33.51	359.58	10,248.1	-116.4	635.7	399,003.14	783,021.80	32.094535	-103.552886

QES

Survey Report - Geographic

Company:	BTA Oil Producers, LLC	**Local Co-ordinate Reference:**	Well Rojo 7811 27-22 Fed Com #52H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	WELL @ 3352.0usft (Patterson)
Site:	Sec 27, T25-S, R33-E	**MD Reference:**	WELL @ 3352.0usft (Patterson)
Well:	Rojo 7811 27-22 Fed Com #52H	**North Reference:**	Grid
Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Design #1	**Database:**	EDM 5000.1 Single User Db

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
10,325.0	36.51	359.58	10,268.6	-102.0	635.6	399,017.48	783,021.70	32.094574	-103.552886
10,350.0	39.51	359.58	10,288.3	-86.6	635.5	399,032.88	783,021.58	32.094617	-103.552886
10,375.0	42.51	359.58	10,307.1	-70.2	635.4	399,049.28	783,021.46	32.094662	-103.552886
10,400.0	45.51	359.58	10,325.1	-52.9	635.2	399,066.65	783,021.33	32.094709	-103.552886
10,425.0	48.51	359.58	10,342.2	-34.6	635.1	399,084.93	783,021.20	32.094760	-103.552886
10,450.0	51.51	359.58	10,358.2	-15.4	635.0	399,104.08	783,021.05	32.094812	-103.552886
10,475.0	54.51	359.58	10,373.3	4.6	634.8	399,124.05	783,020.91	32.094867	-103.552886
10,500.0	57.51	359.58	10,387.2	25.3	634.7	399,144.78	783,020.75	32.094924	-103.552886
10,525.0	60.51	359.58	10,400.1	46.7	634.5	399,166.20	783,020.59	32.094983	-103.552886
10,550.0	63.51	359.58	10,411.8	68.8	634.3	399,188.28	783,020.43	32.095044	-103.552886
10,575.0	66.51	359.58	10,422.4	91.4	634.2	399,210.93	783,020.26	32.095106	-103.552886
10,600.0	69.51	359.58	10,431.8	114.6	634.0	399,234.11	783,020.09	32.095170	-103.552886
10,625.0	72.51	359.58	10,439.9	138.3	633.8	399,257.75	783,019.91	32.095235	-103.552886
10,650.0	75.51	359.58	10,446.8	162.3	633.6	399,281.78	783,019.74	32.095301	-103.552886
10,675.0	78.51	359.58	10,452.4	186.6	633.5	399,306.14	783,019.56	32.095368	-103.552886
10,700.0	81.51	359.58	10,456.7	211.3	633.3	399,330.75	783,019.37	32.095435	-103.552886
10,725.0	84.51	359.58	10,459.8	236.1	633.1	399,355.56	783,019.19	32.095504	-103.552886
10,750.0	87.51	359.58	10,461.5	261.0	632.9	399,380.50	783,019.00	32.095572	-103.552886
10,770.7	90.00	359.58	10,462.0	281.7	632.8	399,401.22	783,018.85	32.095629	-103.552886
EOB @ 90° Inc / 359.58° Azm / 10462' TVD									
10,800.0	90.00	359.58	10,462.0	311.0	632.5	399,430.49	783,018.63	32.095710	-103.552886
10,900.0	90.00	359.58	10,462.0	411.0	631.8	399,530.49	783,017.89	32.095985	-103.552886
11,000.0	90.00	359.58	10,462.0	511.0	631.1	399,630.49	783,017.15	32.096259	-103.552886
11,100.0	90.00	359.58	10,462.0	611.0	630.3	399,730.48	783,016.41	32.096534	-103.552886
11,200.0	90.00	359.58	10,462.0	711.0	629.6	399,830.48	783,015.67	32.096809	-103.552886
11,300.0	90.00	359.58	10,462.0	811.0	628.8	399,930.48	783,014.93	32.097084	-103.552886
11,400.0	90.00	359.58	10,462.0	911.0	628.1	400,030.48	783,014.18	32.097359	-103.552886
11,500.0	90.00	359.58	10,462.0	1,011.0	627.3	400,130.47	783,013.44	32.097634	-103.552886
11,600.0	90.00	359.58	10,462.0	1,111.0	626.6	400,230.47	783,012.70	32.097909	-103.552886
11,700.0	90.00	359.58	10,462.0	1,211.0	625.9	400,330.47	783,011.96	32.098184	-103.552886
11,800.0	90.00	359.58	10,462.0	1,311.0	625.1	400,430.46	783,011.22	32.098458	-103.552886
11,900.0	90.00	359.58	10,462.0	1,411.0	624.4	400,530.46	783,010.48	32.098733	-103.552886
12,000.0	90.00	359.58	10,462.0	1,511.0	623.6	400,630.46	783,009.74	32.099008	-103.552886
12,100.0	90.00	359.58	10,462.0	1,611.0	622.9	400,730.46	783,008.99	32.099283	-103.552887
12,200.0	90.00	359.58	10,462.0	1,711.0	622.2	400,830.45	783,008.25	32.099558	-103.552887
12,300.0	90.00	359.58	10,462.0	1,811.0	621.4	400,930.45	783,007.51	32.099833	-103.552887
12,400.0	90.00	359.58	10,462.0	1,910.9	620.7	401,030.45	783,006.77	32.100108	-103.552887
12,500.0	90.00	359.58	10,462.0	2,010.9	619.9	401,130.45	783,006.03	32.100383	-103.552887
12,600.0	90.00	359.58	10,462.0	2,110.9	619.2	401,230.44	783,005.29	32.100657	-103.552887
12,700.0	90.00	359.58	10,462.0	2,210.9	618.4	401,330.44	783,004.55	32.100932	-103.552887
12,800.0	90.00	359.58	10,462.0	2,310.9	617.7	401,430.44	783,003.80	32.101207	-103.552887
12,900.0	90.00	359.58	10,462.0	2,410.9	617.0	401,530.43	783,003.06	32.101482	-103.552887
13,000.0	90.00	359.58	10,462.0	2,510.9	616.2	401,630.43	783,002.32	32.101757	-103.552887
13,100.0	90.00	359.58	10,462.0	2,610.9	615.5	401,730.43	783,001.58	32.102032	-103.552887
13,200.0	90.00	359.58	10,462.0	2,710.9	614.7	401,830.43	783,000.84	32.102307	-103.552887
13,300.0	90.00	359.58	10,462.0	2,810.9	614.0	401,930.42	783,000.10	32.102582	-103.552887
13,400.0	90.00	359.58	10,462.0	2,910.9	613.3	402,030.42	782,999.36	32.102856	-103.552887
13,500.0	90.00	359.58	10,462.0	3,010.9	612.5	402,130.42	782,998.61	32.103131	-103.552887
13,600.0	90.00	359.58	10,462.0	3,110.9	611.8	402,230.42	782,997.87	32.103406	-103.552887
13,700.0	90.00	359.58	10,462.0	3,210.9	611.0	402,330.41	782,997.13	32.103681	-103.552887
13,800.0	90.00	359.58	10,462.0	3,310.9	610.3	402,430.41	782,996.39	32.103956	-103.552887
13,900.0	90.00	359.58	10,462.0	3,410.9	609.6	402,530.41	782,995.65	32.104231	-103.552888
14,000.0	90.00	359.58	10,462.0	3,510.9	608.8	402,630.40	782,994.91	32.104506	-103.552888
14,100.0	90.00	359.58	10,462.0	3,610.9	608.1	402,730.40	782,994.17	32.104781	-103.552888
14,200.0	90.00	359.58	10,462.0	3,710.9	607.3	402,830.40	782,993.42	32.105055	-103.552888

QES

Survey Report - Geographic

Company:	BTA Oil Producers, LLC	**Local Co-ordinate Reference:**	Well Rojo 7811 27-22 Fed Com #52H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	WELL @ 3352.0usft (Patterson)
Site:	Sec 27, T25-S, R33-E	**MD Reference:**	WELL @ 3352.0usft (Patterson)
Well:	Rojo 7811 27-22 Fed Com #52H	**North Reference:**	Grid
Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Design #1	**Database:**	EDM 5000.1 Single User Db

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
14,300.0	90.00	359.58	10,462.0	3,810.9	606.6	402,930.40	782,992.68	32.105330	-103.552888
14,400.0	90.00	359.58	10,462.0	3,910.9	605.8	403,030.39	782,991.94	32.105605	-103.552888
14,500.0	90.00	359.58	10,462.0	4,010.9	605.1	403,130.39	782,991.20	32.105880	-103.552888
14,600.0	90.00	359.58	10,462.0	4,110.9	604.4	403,230.39	782,990.46	32.106155	-103.552888
14,700.0	90.00	359.58	10,462.0	4,210.9	603.6	403,330.38	782,989.72	32.106430	-103.552888
14,800.0	90.00	359.58	10,462.0	4,310.9	602.9	403,430.38	782,988.98	32.106705	-103.552888
14,900.0	90.00	359.58	10,462.0	4,410.9	602.1	403,530.38	782,988.23	32.106980	-103.552888
15,000.0	90.00	359.58	10,462.0	4,510.9	601.4	403,630.38	782,987.49	32.107254	-103.552888
15,100.0	90.00	359.58	10,462.0	4,610.9	600.7	403,730.37	782,986.75	32.107529	-103.552888
15,200.0	90.00	359.58	10,462.0	4,710.9	599.9	403,830.37	782,986.01	32.107804	-103.552888
15,300.0	90.00	359.58	10,462.0	4,810.9	599.2	403,930.37	782,985.27	32.108079	-103.552888
15,400.0	90.00	359.58	10,462.0	4,910.9	598.4	404,030.37	782,984.53	32.108354	-103.552888
15,500.0	90.00	359.58	10,462.0	5,010.9	597.7	404,130.36	782,983.79	32.108629	-103.552888
15,600.0	90.00	359.58	10,462.0	5,110.9	596.9	404,230.36	782,983.04	32.108904	-103.552889
15,700.0	90.00	359.58	10,462.0	5,210.9	596.2	404,330.36	782,982.30	32.109179	-103.552889
15,800.0	90.00	359.58	10,462.0	5,310.9	595.5	404,430.35	782,981.56	32.109454	-103.552889
15,900.0	90.00	359.58	10,462.0	5,410.9	594.7	404,530.35	782,980.82	32.109728	-103.552889
16,000.0	90.00	359.58	10,462.0	5,510.9	594.0	404,630.35	782,980.08	32.110003	-103.552889
16,100.0	90.00	359.58	10,462.0	5,610.8	593.2	404,730.35	782,979.34	32.110278	-103.552889
16,200.0	90.00	359.58	10,462.0	5,710.8	592.5	404,830.34	782,978.60	32.110553	-103.552889
16,300.0	90.00	359.58	10,462.0	5,810.8	591.8	404,930.34	782,977.85	32.110828	-103.552889
16,400.0	90.00	359.58	10,462.0	5,910.8	591.0	405,030.34	782,977.11	32.111103	-103.552889
16,500.0	90.00	359.58	10,462.0	6,010.8	590.3	405,130.34	782,976.37	32.111378	-103.552889
16,600.0	90.00	359.58	10,462.0	6,110.8	589.5	405,230.33	782,975.63	32.111653	-103.552889
16,700.0	90.00	359.58	10,462.0	6,210.8	588.8	405,330.33	782,974.89	32.111927	-103.552889
16,800.0	90.00	359.58	10,462.0	6,310.8	588.0	405,430.33	782,974.15	32.112202	-103.552889
16,900.0	90.00	359.58	10,462.0	6,410.8	587.3	405,530.32	782,973.41	32.112477	-103.552889
17,000.0	90.00	359.58	10,462.0	6,510.8	586.6	405,630.32	782,972.66	32.112752	-103.552889
17,100.0	90.00	359.58	10,462.0	6,610.8	585.8	405,730.32	782,971.92	32.113027	-103.552889
17,200.0	90.00	359.58	10,462.0	6,710.8	585.1	405,830.32	782,971.18	32.113302	-103.552889
17,300.0	90.00	359.58	10,462.0	6,810.8	584.3	405,930.31	782,970.44	32.113577	-103.552889
17,400.0	90.00	359.58	10,462.0	6,910.8	583.6	406,030.31	782,969.70	32.113852	-103.552890
17,500.0	90.00	359.58	10,462.0	7,010.8	582.9	406,130.31	782,968.96	32.114126	-103.552890
17,600.0	90.00	359.58	10,462.0	7,110.8	582.1	406,230.31	782,968.22	32.114401	-103.552890
17,700.0	90.00	359.58	10,462.0	7,210.8	581.4	406,330.30	782,967.47	32.114676	-103.552890
17,800.0	90.00	359.58	10,462.0	7,310.8	580.6	406,430.30	782,966.73	32.114951	-103.552890
17,900.0	90.00	359.58	10,462.0	7,410.8	579.9	406,530.30	782,965.99	32.115226	-103.552890
18,000.0	90.00	359.58	10,462.0	7,510.8	579.2	406,630.29	782,965.25	32.115501	-103.552890
18,100.0	90.00	359.58	10,462.0	7,610.8	578.4	406,730.29	782,964.51	32.115776	-103.552890
18,200.0	90.00	359.58	10,462.0	7,710.8	577.7	406,830.29	782,963.77	32.116051	-103.552890
18,300.0	90.00	359.58	10,462.0	7,810.8	576.9	406,930.29	782,963.03	32.116325	-103.552890
18,400.0	90.00	359.58	10,462.0	7,910.8	576.2	407,030.28	782,962.28	32.116600	-103.552890
18,500.0	90.00	359.58	10,462.0	8,010.8	575.4	407,130.28	782,961.54	32.116875	-103.552890
18,600.0	90.00	359.58	10,462.0	8,110.8	574.7	407,230.28	782,960.80	32.117150	-103.552890
18,700.0	90.00	359.58	10,462.0	8,210.8	574.0	407,330.28	782,960.06	32.117425	-103.552890
18,800.0	90.00	359.58	10,462.0	8,310.8	573.2	407,430.27	782,959.32	32.117700	-103.552890
18,900.0	90.00	359.58	10,462.0	8,410.8	572.5	407,530.27	782,958.58	32.117975	-103.552890
19,000.0	90.00	359.58	10,462.0	8,510.8	571.7	407,630.27	782,957.84	32.118250	-103.552890
19,100.0	90.00	359.58	10,462.0	8,610.8	571.0	407,730.26	782,957.09	32.118524	-103.552890
19,200.0	90.00	359.58	10,462.0	8,710.8	570.3	407,830.26	782,956.35	32.118799	-103.552891
19,300.0	90.00	359.58	10,462.0	8,810.8	569.5	407,930.26	782,955.61	32.119074	-103.552891
19,400.0	90.00	359.58	10,462.0	8,910.8	568.8	408,030.26	782,954.87	32.119349	-103.552891
19,500.0	90.00	359.58	10,462.0	9,010.8	568.0	408,130.25	782,954.13	32.119624	-103.552891
19,600.0	90.00	359.58	10,462.0	9,110.8	567.3	408,230.25	782,953.39	32.119899	-103.552891
19,700.0	90.00	359.58	10,462.0	9,210.7	566.5	408,330.25	782,952.65	32.120174	-103.552891

QES

Survey Report - Geographic

Company:	BTA Oil Producers, LLC	**Local Co-ordinate Reference:**	Well Rojo 7811 27-22 Fed Com #52H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	WELL @ 3352.0usft (Patterson)
Site:	Sec 27, T25-S, R33-E	**MD Reference:**	WELL @ 3352.0usft (Patterson)
Well:	Rojo 7811 27-22 Fed Com #52H	**North Reference:**	Grid
Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Design #1	**Database:**	EDM 5000.1 Single User Db

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
19,800.0	90.00	359.58	10,462.0	9,310.7	565.8	408,430.24	782,951.90	32.120449	-103.552891
19,900.0	90.00	359.58	10,462.0	9,410.7	565.1	408,530.24	782,951.16	32.120723	-103.552891
20,000.0	90.00	359.58	10,462.0	9,510.7	564.3	408,630.24	782,950.42	32.120998	-103.552891
20,100.0	90.00	359.58	10,462.0	9,610.7	563.6	408,730.24	782,949.68	32.121273	-103.552891
20,200.0	90.00	359.58	10,462.0	9,710.7	562.8	408,830.23	782,948.94	32.121548	-103.552891
20,300.0	90.00	359.58	10,462.0	9,810.7	562.1	408,930.23	782,948.20	32.121823	-103.552891
20,400.0	90.00	359.58	10,462.0	9,910.7	561.4	409,030.23	782,947.46	32.122098	-103.552891
20,500.0	90.00	359.58	10,462.0	10,010.7	560.6	409,130.23	782,946.71	32.122373	-103.552891
20,600.0	90.00	359.58	10,462.0	10,110.7	559.9	409,230.22	782,945.97	32.122648	-103.552891
20,700.0	90.00	359.58	10,462.0	10,210.7	559.1	409,330.22	782,945.23	32.122922	-103.552891
20,785.5	90.00	359.58	10,462.0	10,296.2	558.5	409,415.70	782,944.60	32.123157	-103.552891
TD @ 20786' MD / 10462' TVD									

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
VP Rojo 52H - plan hits target center - Point	0.00	0.00	7,607.0	-195.7	636.3	398,923.77	783,022.39	32.094317	-103.552886
PBHL Rojo 7811 27-22 F - plan hits target center - Rectangle (sides W60.0 H0.0 D10,493.0)	90.00	359.58	10,462.0	10,296.2	558.5	409,415.70	782,944.60	32.123157	-103.552891

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Comment
1300	1300	0	0	Build 2°/100'
1617	1616	-5	17	EOB @ 6.34° Inc / 107.1° Azm
7326	7291	-191	620	Drop 2°/100'
7643	7607	-196	636	EOD @ Vert
10,021	9984	-196	636	Build 12°/100'
10,771	10,462	282	633	EOB @ 90° Inc / 359.58° Azm / 10462' TVD
20,785	10,462	10,296	559	TD @ 20786' MD / 10462' TVD

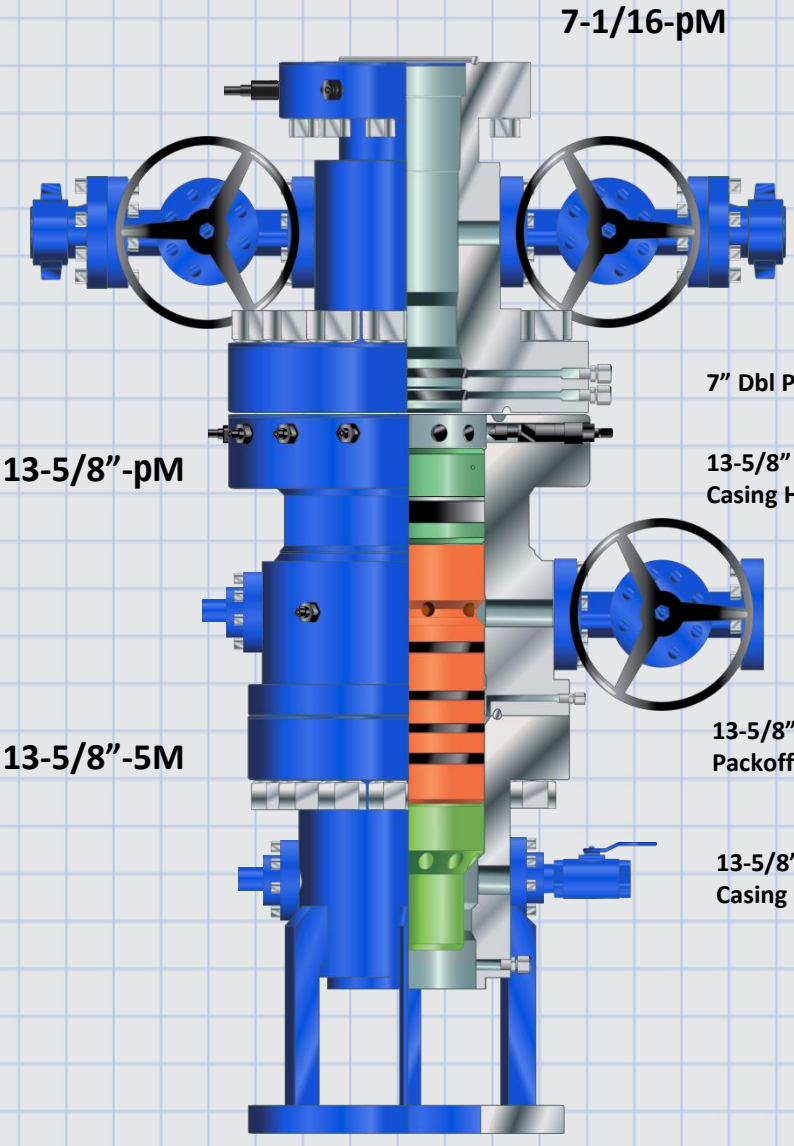
Multi-Bowl System

13-3/8” X 9-5/8” X 5-1/2”

Tubing Head-TCM-PP
13-5/8”- pM X 7-1/16”- pM
w/(2) 1-13/16”- pM Gate Valves

Casing Spool- MBS
13-5/8”-5M X 13-5/8”-pM
w/(2) 1-13/16” pM SSO

Casing Head- MBS
13-5/8”-5M X 13-3/8” SOW
w/36” Base Plate



SYENERGY
WELLHEAD & FRAC

email: sales@syenergypg.com

AFMSS
U.S. Department of the Interior
BUREAU OF LAND MANAGEMENT

SUPO Data Report
09/07/2021

APD ID: 10400065347
Submission Date: 11/18/2020
Operator Name: BTA OIL PRODUCERS LLC
Well Name: ROJO 7811 27-22 FEDERAL COM
Well Number: 52H
Well Type: OIL WELL
Well Work Type: Drill

Highlighted data reflects the most recent changes

Show Final Text

Section 1 - Existing Roads

Will existing roads be used? YES

Existing Road Map:

20110294_Rojo_7811_27_22_Fed_Com_52H_Topographical___Access_Rd_20201118153200.pdf

Existing Road Purpose: ACCESS
Row(s) Exist? NO

ROW ID(s)

ID:

Do the existing roads need to be improved? NO

Existing Road Improvement Description:

Existing Road Improvement Attachment:

Section 2 - New or Reconstructed Access Roads

Will new roads be needed? NO

Section 3 - Location of Existing Wells

Existing Wells Map? YES

Attach Well map:

20110294_Rojo_7811_27_22_Fed_Com_52H_1_Mile_Radius___C102_20201118153221.pdf

Operator Name: BTA OIL PRODUCERS LLC

Well Name: ROJO 7811 27-22 FEDERAL COM **Well Number:** 52H

Section 4 - Location of Existing and/or Proposed Production Facilities

Submit or defer a Proposed Production Facilities plan? DEFER

Estimated Production Facilities description: Defer, CTB will be sundried at a later date.

Section 5 - Location and Types of Water Supply

Water Source Table

Water source type: OTHER

Describe type: PIT

Water source use type: STIMULATION

SURFACE CASING

DUST CONTROL

INTERMEDIATE/PRODUCTION CASING

Source latitude: **Source longitude:**

Source datum:

Water source permit type: PRIVATE CONTRACT

Water source transport method: TRUCKING

Source land ownership: FEDERAL

Source transportation land ownership: PRIVATE

Water source volume (barrels): 100000 **Source volume (acre-feet):** 12.88930963

Source volume (gal): 4200000

Water source and transportation map:

Rojo_7811_Water_Transportation_Map__SESE_Quarter_Quarter_of_Section_S22_T25S_R33E__20201103153339.pdf

Water source comments: Water Pit is in SESE Quarter Quarter of Section 22 ; T25S ; R33E

New water well? N

New Water Well Info

Operator Name: BTA OIL PRODUCERS LLC

Well Name: ROJO 7811 27-22 FEDERAL COM **Well Number:** 52H

Well latitude: **Well Longitude:** **Well datum:**

Well target aquifer:

Est. depth to top of aquifer(ft): **Est thickness of aquifer:**

Aquifer comments:

Aquifer documentation:

Well depth (ft): **Well casing type:**

Well casing outside diameter (in.): **Well casing inside diameter (in.):**

New water well casing? **Used casing source:**

Drilling method: **Drill material:**

Grout material: **Grout depth:**

Casing length (ft.): **Casing top depth (ft.):**

Well Production type: **Completion Method:**

Water well additional information:

State appropriation permit:

Additional information attachment:

Section 6 - Construction Materials

Using any construction materials: YES

Construction Materials description: Caliche used for construction of the drilling pad and access road will be obtained from the closest existing caliche pit as approved by the BLM or from prevailing deposits found under the location. If there is not sufficient material available, caliche will be purchased from the nearest caliche pit located in the SWNW Quarter Quarter of Section 23 ; T25S ; R33E Lea County, NM.

Construction Materials source location attachment:

Section 7 - Methods for Handling Waste

Waste type: GARBAGE

Waste content description: Trash

Amount of waste: 500 pounds

Waste disposal frequency : One Time Only

Safe containment description: Trash produced during drilling and completion operations will be collected in a trash container and disposed of properly.

Safe containmant attachment:

Waste disposal type: HAUL TO COMMERCIAL FACILITY **Disposal location ownership:** COMMERCIAL

Disposal type description:

Disposal location description: Trucked to a state approved disposal facility.

Operator Name: BTA OIL PRODUCERS LLC

Well Name: ROJO 7811 27-22 FEDERAL COM **Well Number:** 52H

Waste type: SEWAGE

Waste content description: Human waste and grey water.

Amount of waste: 1000 gallons

Waste disposal frequency : One Time Only

Safe containment description: Waste material will be stored safely and disposed of properly.

Safe containmant attachment:

Waste disposal type: HAUL TO COMMERCIAL FACILITY **Disposal location ownership:** COMMERCIAL

Disposal type description:

Disposal location description: Trucked to a state approved disposal facility.

Waste type: DRILLING

Waste content description: Drilling fluids and cuttings.

Amount of waste: 4164 barrels

Waste disposal frequency : One Time Only

Safe containment description: All drilling fluids will be stored safely and disposed of properly.

Safe containmant attachment:

Waste disposal type: HAUL TO COMMERCIAL FACILITY **Disposal location ownership:** COMMERCIAL

Disposal type description:

Disposal location description: Trucked to a state approved disposal facility.

Reserve Pit

Reserve Pit being used? NO

Temporary disposal of produced water into reserve pit? NO

Reserve pit length (ft.) **Reserve pit width (ft.)**

Reserve pit depth (ft.) **Reserve pit volume (cu. yd.)**

Is at least 50% of the reserve pit in cut?

Reserve pit liner

Reserve pit liner specifications and installation description

Cuttings Area

Cuttings Area being used? NO

Are you storing cuttings on location? N

Operator Name: BTA OIL PRODUCERS LLC

Well Name: ROJO 7811 27-22 FEDERAL COM **Well Number:** 52H

Description of cuttings location

Cuttings area length (ft.) **Cuttings area width (ft.)**

Cuttings area depth (ft.) **Cuttings area volume (cu. yd.)**

Is at least 50% of the cuttings area in cut?

WCuttings area liner

Cuttings area liner specifications and installation description

Section 8 - Ancillary Facilities

Are you requesting any Ancillary Facilities?: N

Ancillary Facilities attachment:

Comments:

Section 9 - Well Site Layout

Well Site Layout Diagram:

Rig_Layout_20190930140859.pdf

20110294_Rojo_7811_27_22_Fed_Com_52H_Well_Site_Plan__600s__20201118153326.pdf

Comments:

Section 10 - Plans for Surface Reclamation

Type of disturbance: New Surface Disturbance **Multiple Well Pad Name:** ROJO 7811 27-22 FEDERAL COM

Multiple Well Pad Number: 51H, 52H, 53H and 54H

Recontouring attachment:

Drainage/Erosion control construction: During construction proper erosion control methods will be used to control erosion, runoff, and siltation of the surrounding area.

Drainage/Erosion control reclamation: Proper erosion control methods will be used on the area to control erosion, runoff, and siltation of the surrounding area.

Well pad proposed disturbance (acres): 4.49 **Well pad interim reclamation (acres):** 0.56 **Well pad long term disturbance (acres):** 3.93

Road proposed disturbance (acres): 0 **Road interim reclamation (acres):** 0 **Road long term disturbance (acres):** 0

Powerline proposed disturbance (acres): 0 **Powerline interim reclamation (acres):** 0 **Powerline long term disturbance (acres):** 0

Pipeline proposed disturbance (acres): 0 **Pipeline interim reclamation (acres):** 0 **Pipeline long term disturbance (acres):** 0

Other proposed disturbance (acres): 0 **Other interim reclamation (acres):** 0 **Other long term disturbance (acres):** 0

Total interim reclamation: 0.56

Operator Name: BTA OIL PRODUCERS LLC

Well Name: ROJO 7811 27-22 FEDERAL COM **Well Number:** 52H

Total proposed disturbance: 4.49 **Total long term disturbance:** 3.93

Disturbance Comments:

Reconstruction method: The areas planned for interim reclamation will then be recontoured to the original contour if feasible, or if not feasible, to an interim contour that blends with the surrounding topography as much as possible. Where applicable, the fill material of the well pad will be backfilled into the cut to bring the area back to the original contour. The interim cut and fill slopes prior to re-seeding will not be steeper than a 3:1 ratio, unless the adjacent native topography is steeper. Note: Constructed slopes may be much steeper during drilling, but will be recontoured to the above ratios during interim reclamation.
Topsoil redistribution: Topsoil will be evenly respread and aggressively revegetated over the entire disturbed area not needed for all-weather operations.
Soil treatment: To seed the area, the proper BLM seed mixture, free of noxious weeds, will be used. Final seedbed preparation will consist of contour cultivating to a depth of 4 to 6 inches within 24 hours prior to seeding, dozer tracking, or other imprinting in order to break the soil crust and create seed germination micro-sites.
Existing Vegetation at the well pad: The historic climax plant community is a grassland dominated by black grama, dropseeds, and blue stems with sand sage and shinnery oak distributed evenly throughout. Current landscape displays mesquite, shinnery oak, yucca, desert sage, fourwing saltbush, snakeweed, and bunch grasses.
Existing Vegetation at the well pad attachment:

Existing Vegetation Community at the road: Refer to "Existing Vegetation at the well pad"

Existing Vegetation Community at the road attachment:

Existing Vegetation Community at the pipeline: Refer to "Existing Vegetation at the well pad"

Existing Vegetation Community at the pipeline attachment:

Existing Vegetation Community at other disturbances: Refer to "Existing Vegetation at the well pad"

Existing Vegetation Community at other disturbances attachment:

Non native seed used? N

Non native seed description:

Seedling transplant description:

Will seedlings be transplanted for this project? N

Seedling transplant description attachment:

Will seed be harvested for use in site reclamation?

Seed harvest description:

Seed harvest description attachment:

Operator Name: BTA OIL PRODUCERS LLC

Well Name: ROJO 7811 27-22 FEDERAL COM **Well Number:** 52H

Seed Management

Seed Table

Seed Summary

Total pounds/Acre:

Seed Type	Pounds/Acre

Seed reclamation attachment:

Operator Contact/Responsible Official Contact Info

First Name: Chad **Last Name:** Smith

Phone: (432)682-3753 **Email:** CSMITH@BTAOIL.COM

Seedbed prep:

Seed BMP:

Seed method:

Existing invasive species? N

Existing invasive species treatment description:

Existing invasive species treatment attachment:

Weed treatment plan description: No invasive species present. Standard regular maintenance to maintain a clear location and road.

Weed treatment plan attachment:

Monitoring plan description: Identify areas supporting weeds prior to construction; prevent the introduction and spread of weeds from construction equipment during construction; and contain weed seeds and propagules by preventing segregated topsoil from being spread to adjacent areas. No invasive species present. Standard regular maintenance to maintain a clear location and road.

Monitoring plan attachment:

Success standards: To maintain all disturbed areas as per Gold Book standards.

Pit closure description: N/A

Pit closure attachment:

Section 11 - Surface Ownership

Operator Name: BTA OIL PRODUCERS LLC

Well Name: ROJO 7811 27-22 FEDERAL COM **Well Number:** 52H

Disturbance type: WELL PAD

Describe:

Surface Owner: BUREAU OF LAND MANAGEMENT

Other surface owner description:

BIA Local Office:

BOR Local Office:

COE Local Office:

DOD Local Office:

NPS Local Office:

State Local Office:

Military Local Office:

USFWS Local Office:

Other Local Office:

USFS Region:

USFS Forest/Grassland: **USFS Ranger District:**

Section 12 - Other Information

Right of Way needed? N **Use APD as ROW?**

ROW Type(s):

ROW Applications

SUPO Additional Information:

Use a previously conducted onsite? Y

Previous Onsite information: Onsite conducted by McKenna Ryder BLM on 10/8/2020

Other SUPO Attachment

AFMSS

U.S. Department of the Interior
BUREAU OF LAND MANAGEMENT

PWD Data Report

09/07/2021

APD ID: 10400065347 **Submission Date:** 11/18/2020

Operator Name: BTA OIL PRODUCERS LLC

Well Name: ROJO 7811 27-22 FEDERAL COM **Well Number:** 52H

Well Type: OIL WELL **Well Work Type:** Drill

Section 1 - General

Would you like to address long-term produced water disposal? NO

Section 2 - Lined Pits

Would you like to utilize Lined Pit PWD options? N

Produced Water Disposal (PWD) Location:

PWD surface owner: **PWD disturbance (acres):**

Lined pit PWD on or off channel:

Lined pit PWD discharge volume (bbl/day):

Lined pit specifications:

Pit liner description:

Pit liner manufacturers information:

Precipitated solids disposal:

Decribe precipitated solids disposal:

Precipitated solids disposal permit:

Lined pit precipitated solids disposal schedule:

Lined pit precipitated solids disposal schedule attachment:

Lined pit reclamation description:

Lined pit reclamation attachment:

Leak detection system description:

Leak detection system attachment:

Operator Name: BTA OIL PRODUCERS LLC

Well Name: ROJO 7811 27-22 FEDERAL COM **Well Number:** 52H

Lined pit Monitor description:

Lined pit Monitor attachment:

Lined pit: do you have a reclamation bond for the pit?

Is the reclamation bond a rider under the BLM bond?

Lined pit bond number:

Lined pit bond amount:

Additional bond information attachment:

Section 3 - Unlined Pits

Would you like to utilize Unlined Pit PWD options? N

Produced Water Disposal (PWD) Location:

PWD disturbance (acres): **PWD surface owner:**

Unlined pit PWD on or off channel:

Unlined pit PWD discharge volume (bbl/day):

Unlined pit specifications:

Precipitated solids disposal:

Decribe precipitated solids disposal:

Precipitated solids disposal permit:

Unlined pit precipitated solids disposal schedule:

Unlined pit precipitated solids disposal schedule attachment:

Unlined pit reclamation description:

Unlined pit reclamation attachment:

Unlined pit Monitor description:

Unlined pit Monitor attachment:

Do you propose to put the produced water to beneficial use?

Beneficial use user confirmation:

Estimated depth of the shallowest aquifer (feet):

Does the produced water have an annual average Total Dissolved Solids (TDS) concentration equal to or less than that of the existing water to be protected?

TDS lab results:

Geologic and hydrologic evidence:

State authorization:

Unlined Produced Water Pit Estimated percolation:

Unlined pit: do you have a reclamation bond for the pit?

Operator Name: BTA OIL PRODUCERS LLC

Well Name: ROJO 7811 27-22 FEDERAL COM **Well Number:** 52H

Is the reclamation bond a rider under the BLM bond?

Unlined pit bond number:

Unlined pit bond amount:

Additional bond information attachment:

Section 4 - Injection

Would you like to utilize Injection PWD options? N

Produced Water Disposal (PWD) Location:

PWD surface owner: **PWD disturbance (acres):**

Injection PWD discharge volume (bbl/day):

Injection well mineral owner:

Injection well type:

Injection well number: **Injection well name:**

Assigned injection well API number? **Injection well API number:**

Injection well new surface disturbance (acres):

Minerals protection information:

Mineral protection attachment:

Underground Injection Control (UIC) Permit?

UIC Permit attachment:

Section 5 - Surface Discharge

Would you like to utilize Surface Discharge PWD options? N

Produced Water Disposal (PWD) Location:

PWD surface owner: **PWD disturbance (acres):**

Surface discharge PWD discharge volume (bbl/day):

Surface Discharge NPDES Permit?

Surface Discharge NPDES Permit attachment:

Surface Discharge site facilities information:

Surface discharge site facilities map:

Section 6 - Other

Would you like to utilize Other PWD options? N

Produced Water Disposal (PWD) Location:

PWD surface owner: **PWD disturbance (acres):**

Other PWD discharge volume (bbl/day):

Operator Name: BTA OIL PRODUCERS LLC

Well Name: ROJO 7811 27-22 FEDERAL COM **Well Number:** 52H

Other PWD type description:

Other PWD type attachment:

Have other regulatory requirements been met?

Other regulatory requirements attachment:

AFMSS

U.S. Department of the Interior
BUREAU OF LAND MANAGEMENT

Bond Info Data Report

09/07/2021

APD ID: 10400065347

Submission Date: 11/18/2020

Operator Name: BTA OIL PRODUCERS LLC

Well Name: ROJO 7811 27-22 FEDERAL COM

Well Number: 52H

Well Type: OIL WELL

Well Work Type: Drill

Highlighted data reflects the most recent changes

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Bond Information

Federal/Indian APD: FED

BLM Bond number: NMB001711

BIA Bond number:

Do you have a reclamation bond? NO

Is the reclamation bond a rider under the BLM bond?

Is the reclamation bond BLM or Forest Service?

BLM reclamation bond number:

Forest Service reclamation bond number:

Forest Service reclamation bond attachment:

Reclamation bond number:

Reclamation bond amount:

Reclamation bond rider amount:

Additional reclamation bond information attachment:

State of New Mexico
Energy, Minerals and Natural Resources Department

Submit Electronically
Via E-permitting

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

NATURAL GAS MANAGEMENT PLAN

This Natural Gas Management Plan must be submitted with each Application for Permit to Drill (APD) for a new or recompleted well.

Section 1 – Plan Description
Effective May 25, 2021

I. Operator: BTA Oil Producers, LLC **OGRID:** 260297 **Date:** 9 / 7 / 2021

II. Type: ☒ Original ☐ Amendment due to ☐ 19.15.27.9.D(6)(a) NMAC ☐ 19.15.27.9.D(6)(b) NMAC ☐ Other.

If Other, please describe: _____

III. Well(s): Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.

Well Name	API	ULSTR	Footages	Anticipated Oil BBL/D	Anticipated Gas MCF/D	Anticipated Produced Water BBL/D
ROJO 7811 27-22 FEDERAL COM 52H	30-025-49379	P, SEC 27 ; 25S ; 33E	220 FSL, 1015 FEL	+/- 800	+/- 2000	+/- 1200

IV. Central Delivery Point Name: Rojo 7811 CTB [See 19.15.27.9(D)(1) NMAC]

V. Anticipated Schedule: Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.

Well Name	API	Spud Date	TD Reached Date	Completion Commencement Date	Initial Flow Back Date	First Production Date
ROJO 7811 27-22 FEDERAL COM 52H	30-025-49379	9/7/2022	9/27/2022	10/11/2022	11/1/2022	12/1/2022

VI. Separation Equipment: ☒ Attach a complete description of how Operator will size separation equipment to optimize gas capture.

VII. Operational Practices: ☒ Attach a complete description of the actions Operator will take to comply with the requirements of Subsection A through F of 19.15.27.8 NMAC.

VIII. Best Management Practices: ☒ Attach a complete description of Operator's best management practices to minimize venting during active and planned maintenance.

Section 2 – Enhanced Plan

EFFECTIVE APRIL 1, 2022

Beginning April 1, 2022, an operator that is not in compliance with its statewide natural gas capture requirement for the applicable reporting area must complete this section.

☐ Operator certifies that it is not required to complete this section because Operator is in compliance with its statewide natural gas capture requirement for the applicable reporting area.

IX. Anticipated Natural Gas Production:

Well	API	Anticipated Average Natural Gas Rate MCF/D	Anticipated Volume of Natural Gas for the First Year MCF

X. Natural Gas Gathering System (NGGS):

Operator	System	ULSTR of Tie-in	Anticipated Gathering Start Date	Available Maximum Daily Capacity of System Segment Tie-in

XI. Map. ☐ Attach an accurate and legible map depicting the location of the well(s), the anticipated pipeline route(s) connecting the production operations to the existing or planned interconnect of the natural gas gathering system(s), and the maximum daily capacity of the segment or portion of the natural gas gathering system(s) to which the well(s) will be connected.

XII. Line Capacity. The natural gas gathering system ☐ will ☐ will not have capacity to gather 100% of the anticipated natural gas production volume from the well prior to the date of first production.

XIII. Line Pressure. Operator ☐ does ☐ does not anticipate that its existing well(s) connected to the same segment, or portion, of the natural gas gathering system(s) described above will continue to meet anticipated increases in line pressure caused by the new well(s).

☐ Attach Operator's plan to manage production in response to the increased line pressure.

XIV. Confidentiality: ☐ Operator asserts confidentiality pursuant to Section 71-2-8 NMSA 1978 for the information provided in Section 2 as provided in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and attaches a full description of the specific information for which confidentiality is asserted and the basis for such assertion.

Section 3 - Certifications

Effective May 25, 2021

Operator certifies that, after reasonable inquiry and based on the available information at the time of submittal:

☒ Operator will be able to connect the well(s) to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system; or

☐ Operator will not be able to connect to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system. ***If Operator checks this box, Operator will select one of the following:***

Well Shut-In. ☐ Operator will shut-in and not produce the well until it submits the certification required by Paragraph (4) of Subsection D of 19.15.27.9 NMAC; or

Venting and Flaring Plan. ☐ Operator has attached a venting and flaring plan that evaluates and selects one or more of the potential alternative beneficial uses for the natural gas until a natural gas gathering system is available, including:

- **(a)** power generation on lease;
- **(b)** power generation for grid;
- **(c)** compression on lease;
- **(d)** liquids removal on lease;
- **(e)** reinjection for underground storage;
- **(f)** reinjection for temporary storage;
- **(g)** reinjection for enhanced oil recovery;
- **(h)** fuel cell production; and
- **(i)** other alternative beneficial uses approved by the division.

Section 4 - Notices

1. If, at any time after Operator submits this Natural Gas Management Plan and before the well is spud:

(a) Operator becomes aware that the natural gas gathering system it planned to connect the well(s) to has become unavailable or will not have capacity to transport one hundred percent of the production from the well(s), no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised venting and flaring plan containing the information specified in Paragraph (5) of Subsection D of 19.15.27.9 NMAC; or

(b) Operator becomes aware that it has, cumulatively for the year, become out of compliance with its baseline natural gas capture rate or natural gas capture requirement, no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised Natural Gas Management Plan for each well it plans to spud during the next 90 days containing the information specified in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and shall file an update for each Natural Gas Management Plan until Operator is back in compliance with its baseline natural gas capture rate or natural gas capture requirement.

2. OCD may deny or conditionally approve an APD if Operator does not make a certification, fails to submit an adequate venting and flaring plan which includes alternative beneficial uses for the anticipated volume of natural gas produced, or if OCD determines that Operator will not have adequate natural gas takeaway capacity at the time a well will be spud.

I certify that, after reasonable inquiry, the statements in and attached to this Natural Gas Management Plan are true and correct to the best of my knowledge and acknowledge that a false statement may be subject to civil and criminal penalties under the Oil and Gas Act.

Signature:	Sammy Hajar
Printed Name:	Sammy Hajar
Title:	Regulatory Analyst
E-mail Address:	SHAJAR@BTAOIL.COM
Date:	9/7/2021
Phone:	432-682-3753

OIL CONSERVATION DIVISION

(Only applicable when submitted as a standalone form)

Approved By:	
Title:	
Approval Date:	
Conditions of Approval:	

VI. Separation Equipment: Attach a complete description of how Operator will size separation equipment to optimize gas capture.

- Separation equipment will be sized to provide adequate separation for anticipated rates.
- Separation equipment will allow for adequate retention time to allow gas and liquids to separate.
- Separation equipment will separate all three phases (Oil, Water, and Gas).
- Collection systems are appropriately sized to handle facility production rates on all (3) phases.
- Ancillary equipment and metering is selected to be serviced without flow interruptions or the need to release gas from the well.

VII. Operational Practices: Attach a complete description of the actions Operator will take to comply with the requirements of Subsection A through F 19.15.27.8 NMAC.

Drilling Operations

- All flare stacks will be properly sized. The flare stacks will be located at a minimum 100' from the nearest surface hole location on the pad.
- All natural gas produced during drilling operations will be flared, unless there is an equipment malfunction and/or to avoid risk of an immediate and substantial adverse impact on safety and the environment, at which point the gas will be vented.

Completions/Recompletions Operations

- New wells will not be flowed back until they are connected to a properly sized gathering system.
- The facility will be built/sized for maximum anticipated flowrates and pressures to minimize waste.
- For flowback operations, multiple stages of separation will be used as well as VRU and blowers to make sure waste is minimized off the storage tanks and facility.
- During initial flowback, the well stream will be routed to separation equipment.
- At an existing facility, when necessary, post separation natural gas will be flared until it meets pipeline specifications, at which point it will be turned into a collection system.
- At a new facility, post separation natural gas will be vented until storage tanks can safely function, at which point it will be flared until it meets pipeline spec.

Production Operations

- Weekly AVOs will be performed on all facilities that produce more than 60 MCFD.
- Leaking thief hatches and pressure safety valves found during AVOs will be cleaned and properly re-sealed.
- All flares will be equipped with auto-ignition systems and continuous pilot operations.
- After a well is stabilized from liquid unloading, the well will be turned back into the collection system.
- All gas lift systems will be optimized to limit the amount of waste.
- All tanks will have automatic gauging equipment installed.

Performance Standards

- Production equipment will be designed to handle maximum anticipated rates and pressure.
- All flared gas will be combusted in a flare stack that is properly sized and designed to ensure proper combustion.
- All gas will have multiple points of separation to ensure no liquids enter flares, combustors, or gas sales line.
- Weekly AVOs will be performed on all wells and facilities that produce more than 60 MCFD.
- All OOOOa facilities will be filmed with an Optical Gas Imaging Thermographer camera once per month to check for fugitive emissions.

Measurement & Estimation

- All volume that is flared and vented that is not measured will be estimated.
- All measurement equipment for flared volumes will conform to API 14.10.
- All meters will be calibrated at regular intervals according to meter manufacturer recommendations.
- When metering is not practical due to low pressure/low rate, the vented or flared volume will be estimated.

VIII. Best Management Practices: Attach a complete description of Operator's best management practices to minimize venting during active and planned maintenance.

- During downhole well maintenance, BTA will use best management practices to vent as minimally as possible.
- Prior to the commencement of any maintenance, the tank or vessel will be isolated from the rest of the facilities.
- All valves upstream of the equipment will be closed and isolated.
- After equipment has been isolated, the equipment will be blown down to as low a pressure as possible into the collection system.
- If the equipment being maintained cannot be relieved into the collection system, it shall be released to a tank where the vapor can either be captured or combusted if possible.
- After downhole well maintenance, natural gas will be flared until it reaches pipeline specification.

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 46820

CONDITIONS

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 46820
	Action Type: [C-101] BLM - Federal/Indian Land Lease (Form 3160-3)

CONDITIONS

Created By	Condition	Condition Date
pkautz	Will require a File As Drilled C-102 and a Directional Survey with the C-104	9/15/2021
pkautz	Oil base muds are not to be used until fresh water zones are cased and cemented providing isolation from the oil or diesel. This includes synthetic oils. Oil based mud, drilling fluids and solids must be contained in a steel closed loop system	9/15/2021
pkautz	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string	9/15/2021
pkautz	Cement is required to circulate on both surface and intermediate1 strings of casing	9/15/2021