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.
[320524]

2. Name of Operator
[260297]

9. API Well No.
30-025-49918

3a. Address

3b. Phone No. *(include area code)*

10. Field and Pool, or Exploratory **[51020]**
xxxxxxxxxxxxxxxxxxxxx

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 03/17/2022

SL

KZ
03/24/2022

APPROVED WITH CONDITIONS

(Continued on page 2)

*(Instructions on page 2)

Approval Date: 11/12/2021

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
30-025-49918	51020	RED HILLS;LOWER BONE SPRING

Property Code	Property Name	Well Number
320524	ROJO 7811 34-27 FEDERAL COM	61H

OGRID No.	Operator Name	Elevation
260297	BTA OIL PRODUCERS, LLC	3326'

Surface Location

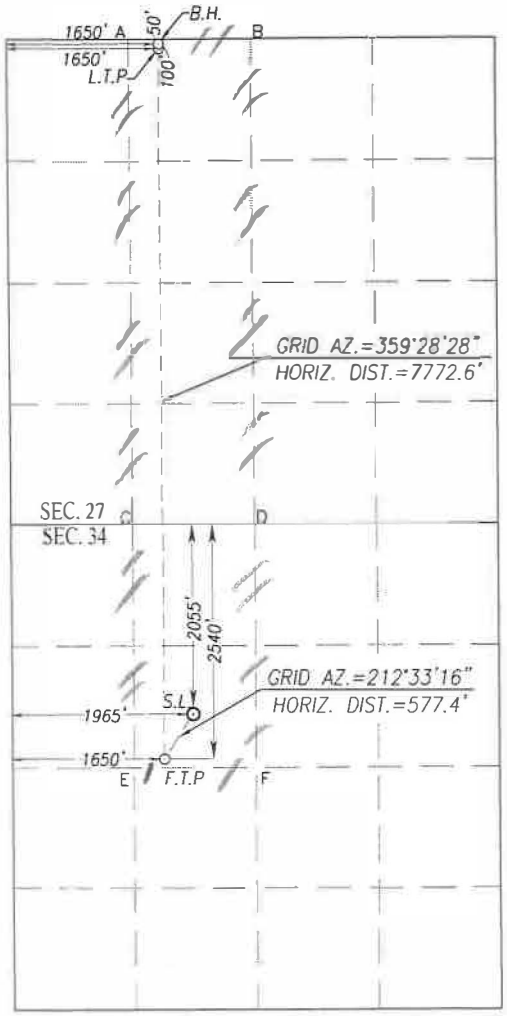
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	34	25-S	33-E		2055	NORTH	1965	WEST	LEA

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
C	27	25-S	33-E		50	NORTH	1650	WEST	LEA

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
240			

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 27 NME
Y= 404055.9 N
X= 738522.8 E
LAT.=32.108523° N
LONG.=103.562993° W

BOTTOM HOLE LOCATION
NAD 83 NME
Y= 404113.6 N
X= 779709.1 E
LAT.=32.108648° N
LONG.=103.563464° W

LAST TAKE POINT
NAD 27 NME
Y= 404005.9 N
X= 738523.3 E
LAT.=32.108385° N
LONG.=103.562993° W

LAST TAKE POINT
NAD 83 NME
Y= 404063.6 N
X= 779709.6 E
LAT.=32.108510° N
LONG.=103.563464° W

CORNER COORDINATES TABLE
NAD 27 NME
A - Y= 404103.8 N, X= 738199.0 E
B - Y= 404112.5 N, X= 739525.3 E
C - Y= 398822.6 N, X= 738243.9 E
D - Y= 398831.1 N, X= 739566.4 E
E - Y= 396185.7 N, X= 738267.7 E
F - Y= 396193.1 N, X= 739589.6 E

CORNER COORDINATES TABLE
NAD 83 NME
A - Y= 404161.5 N, X= 779385.3 E
B - Y= 404170.2 N, X= 780711.6 E
C - Y= 398880.2 N, X= 779430.4 E
D - Y= 398888.7 N, X= 780753.0 E
E - Y= 396243.2 N, X= 779454.4 E
F - Y= 396250.6 N, X= 780776.3 E

FIRST TAKE POINT
NAD 27 NME
Y= 396285.3 N
X= 738593.8 E
LAT.=32.087162° N
LONG.=103.562943° W

FIRST TAKE POINT
NAD 83 NME
Y= 396342.8 N
X= 779780.4 E
LAT.=32.087286° N
LONG.=103.563413° W

GEODETIC COORDINATES
NAD 27 NME
SURFACE LOCATION
Y= 396771.8 N
X= 738904.4 E
LAT.=32.088493° N
LONG.=103.561929° W

GEODETIC COORDINATES
NAD 83 NME
SURFACE LOCATION
Y= 396829.4 N
X= 780091.1 E
LAT.=32.088618° N
LONG.=103.562399° 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.

Sammy Hajar 10/13/2020
Signature Date

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.

NEW MEXICO RONALD J. EIDSON 3239 REGISTERED PROFESSIONAL SURVEYOR

11-27-20, 2020

Date of Survey
Signature & Seal of Professional Surveyor:

Ronald J Eidson 09/16/2020

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

ACK JWSC W.O. 20.11.0310

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

Application Data Report
03/14/2022

APD ID: 10400065170
Submission Date: 11/13/2020
Operator Name: BTA OIL PRODUCERS LLC
Well Name: ROJO 7811 34-27 FEDERAL COM
Well Number: 61H
Well Type: OIL WELL
Well Work Type: Drill

Highlighted data reflects the most recent changes

Show Final Text

Section 1 - General

APD ID: 10400065170
Tie to previous NOS?
Submission Date: 11/13/2020
BLM Office: Carlsbad
User: Sammy Hajar
Title: Regulatory Analyst
Federal/Indian APD: FED
Is the first lease penetrated for production Federal or Indian? FED
Lease number: NMNM05792
Lease Acres:
Surface access agreement in place?
Allotted?
Reservation:
Agreement in place? NO
Federal or Indian agreement:
Agreement number:
Agreement name:
Keep application confidential? Y
Permitting Agent? NO
APD Operator: BTA OIL PRODUCERS LLC
Operator letter of designation:

Operator Info

Operator Organization Name: BTA OIL PRODUCERS LLC
Operator Address: 104 S. Pecos
Zip: 79701
Operator PO Box:
Operator City: Midland
State: TX
Operator Phone: (432)682-3753
Operator Internet Address:

Section 2 - Well Information

Well in Master Development Plan? NO
Master Development Plan name:
Well in Master SUPO? NO
Master SUPO name:
Well in Master Drilling Plan? NO
Master Drilling Plan name:
Well Name: ROJO 7811 34-27 FEDERAL COM
Well Number: 61H
Well API Number:
Field/Pool or Exploratory? Field and Pool
Field Name: PURPLE SAGE; WOLFCAMP (GAS)
Pool Name: 2ND BONE SPRING SAND
Is the proposed well in an area containing other mineral resources? NONE

Operator Name: BTA OIL PRODUCERS LLC

Well Name: ROJO 7811 34-27 FEDERAL COM **Well Number:** 61H

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?** N **New surface disturbance?**

Type of Well Pad: MULTIPLE WELL **Multiple Well Pad Name:** ROJO 7811 34-27 FEDERAL COM **Number:** 59H, 60H, 61H and 62H

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:** 721 FT **Distance to lease line:** 2055 FT

Reservoir well spacing assigned acres Measurement: 240 Acres

Well plat: Signed_ROJO_7811_27_22_Federal_Com_61H_C102_20201113080351.pdf

Well work start Date: 04/08/2021 **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	2055	FNL	1965	FWL	25S	33E	34	Aliquot SENW	32.088618	-103.562399	LEA	NEW MEXICO	NEW MEXICO	F	NMNM 05792	3326	0	0	Y
KOP Leg #1	2540	FNL	1650	FWL	25S	33E	34	Aliquot SENW	32.087286	-103.563413	LEA	NEW MEXICO	NEW MEXICO	F	NMNM 05792	-6927	10287	10253	Y
PPP Leg #1-1	20	FSL	1650	FWL	25S	33E	27	Aliquot SESW	32.094329	-103.56343	LEA	NEW MEXICO	NEW MEXICO	F	NMNM 05792	-7405	13200	10731	Y

Operator Name: BTA OIL PRODUCERS LLC

Well Name: ROJO 7811 34-27 FEDERAL COM **Well Number:** 61H

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	2540	FNL	1650	FWL	25S	33E	34	Aliquot SENW	32.087286	-103.563413	LEA	NEW MEXICO	NEW MEXICO	F	NMNM 05792	-7305	10724	10631	Y
EXIT Leg #1	100	FNL	1650	FWL	25S	33E	27	Aliquot NENW	32.10851	-103.563464	LEA	NEW MEXICO	NEW MEXICO	F	NMNM 05792	-7405	17920	10731	Y
BHL Leg #1	50	FNL	1650	FWL	25S	33E	27	Aliquot NENW	32.108648	-103.563464	LEA	NEW MEXICO	NEW MEXICO	F	NMNM 05792	-7405	18200	10731	Y

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

Drilling Plan Data Report
03/14/2022

APD ID: 10400065170
Submission Date: 11/13/2020
Operator Name: BTA OIL PRODUCERS LLC
Well Name: ROJO 7811 34-27 FEDERAL COM
Well Number: 61H
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
1142970	QUATERNARY	3326	0	0	ALLUVIUM	NONE	N
1142971	RUSTLER	2345	981	981	ANHYDRITE	NONE	N
1142972	TOP SALT	1775	1551	1551	SALT	NONE	N
1142973	BASE OF SALT	-1435	4761	4761	SALT	NONE	N
1142974	DELAWARE	-1665	4991	4991	LIMESTONE	NATURAL GAS, OIL	N
1142983	BELL CANYON	-1700	5026	5026	SANDSTONE	NATURAL GAS, OIL	N
1142976	CHERRY CANYON	-3045	6371	6371	SANDSTONE	NATURAL GAS, OIL	N
1142977	BRUSHY CANYON	-4215	7541	7541	SANDSTONE	NATURAL GAS, OIL	N
1142978	BONE SPRING LIME	-5760	9086	9086	LIMESTONE	NATURAL GAS, OIL	N
1142979	FIRST BONE SPRING SAND	-6735	10061	10061	SANDSTONE	NATURAL GAS, OIL	N
1142991	BONE SPRING 2ND	-7305	10631	10631	SANDSTONE	NATURAL GAS, OIL	Y

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:

Operator Name: BTA OIL PRODUCERS LLC

Well Name: ROJO 7811 34-27 FEDERAL COM **Well Number:** 61H

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 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	1050	0	1050	3326	2276	1050	J-55	54.5	ST&C	2.5	6	DRY	9	DRY	14.9
2	INTERMEDIATE	12.25	9.625	NEW	API	N	0	4991	0	4971	3419	-1645	4991	J-55	40	LT&C	1.7	1.5	DRY	2.6	DRY	3.2
3	PRODUCTION	8.75	5.5	NEW	API	N	0	18200	0	10731	3419	-7405	18200	P-110	17	BUTT	1.4	2	DRY	1.8	DRY	1.8

Casing Attachments

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

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

Operator Name: BTA OIL PRODUCERS LLC

Well Name: ROJO 7811 34-27 FEDERAL COM **Well Number:** 61H

Casing Attachments

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

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

Rojo_61H_Casing_assumption_20210513131633.JPG

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

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

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	715	575	1.73	13.5	994.75	100	Class C	2% CaCl2
SURFACE	Tail		715	1050	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	4991	200	1.34	14.8	268	25	Class C	1% CaCl2
PRODUCTION	Lead		3991	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 34-27 FEDERAL COM **Well Number:** 61H

String Type	Lead/Tail	Stage Tool Depth	Top MD	Bottom MD	Quantity(sx)	Yield	Density	Cu Ft	Excess%	Cement type	Additives
PRODUCTION	Tail		9910	18200	2095	1.25	14.4	2618.75	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	1050	OTHER : FW SPUD	8.3	8.4							
1050	4971	OTHER : BRINE	10	10.3							
4971	10731	OTHER : CUT BRINE	8.7	9.3							

Operator Name: BTA OIL PRODUCERS LLC

Well Name: ROJO 7811 34-27 FEDERAL COM **Well Number:** 61H

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: 5245 **Anticipated Surface Pressure:** 2884

Anticipated Bottom Hole Temperature(F): 166

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_34_27_Fed_Com_61H_WM_20201113083741.pdf
QES___Rojo_7811_34_27_Fed_Com_61H___Geo_Survey_Rpt_20201113083749.pdf
Rojo_61H_Gas_Capture_Plan_20201113083811.pdf

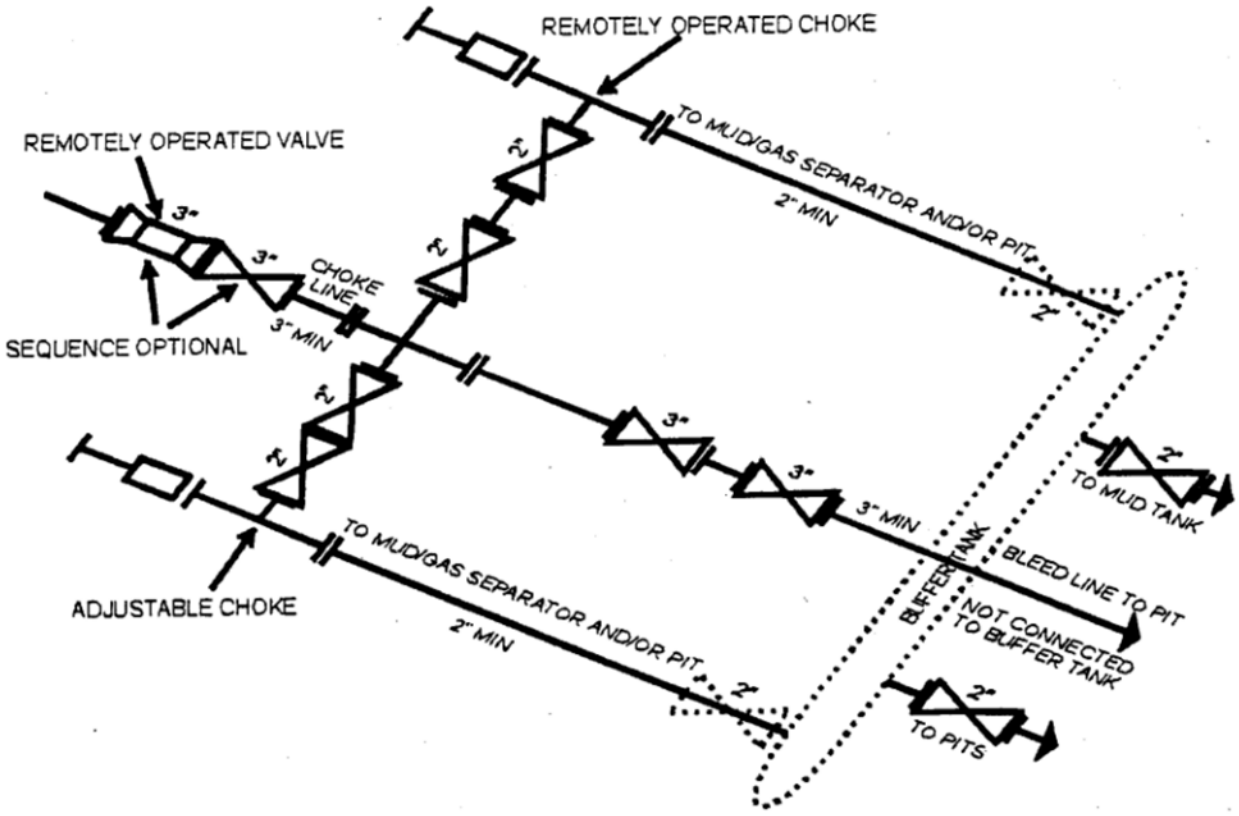
Other proposed operations facets description:

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



5M CHOKE MANIFOLD EQUIPMENT - CONFIGURATION OF CHOKES MAY VARY

Although not required for any of the choke manifold systems, buffer tanks are sometimes installed downstream of the choke assemblies for the purpose of manifolding the bleed lines together. When buffer tanks are employed, valves shall be installed upstream to isolate a failure or malfunction without interrupting flow control. Though not shown on 2M, 3M, 10M, OR 15M drawings, it would also be applicable to those situations.

[54 FR 39528, Sept. 27, 1989]

Continental
ContiTech

CONTITECH RUBBER Industrial Kft.	No:QC-DB- 599/ 2014
	Page: 16 / 176

Rig 94 Asset 24455

QUALITY CONTROL INSPECTION AND TEST CERTIFICATE

CERT. N°: 1592

PURCHASER:	ContiTech Oil & Marine Corp.	P.O. N°:	4500461753
CONTITECH ORDER N°:	539225	HOSE TYPE:	3" ID Choke & Kill Hose
HOSE SERIAL N°:	68547	NOMINAL / ACTUAL LENGTH:	7,62 m / 7,66 m

W.P.	T.P.	Duration:
68,9 MPa 10000 psi	103,4 MPa 15000 psi	60 min.

Pressure test with water at ambient temperature

See attachment. (1 page)

→ 10 Min.
↑ 50 MPa

COUPLINGS Type	Serial N°	Quality	Heat N°
3" coupling with	2574 5533	AISI 4130	A1582N H8672
4 1/16" 10K API Swivel Flange end		AISI 4130	58855
Hub		AISI 4130	A1199N A1423N

Not Designed For Well Testing **API Spec 16 C**

Fire Rated **Temperature rate:"B"**

All metal parts are flawless

WE CERTIFY THAT THE ABOVE HOSE HAS BEEN MANUFACTURED IN ACCORDANCE WITH THE TERMS OF THE ORDER INSPECTED AND PRESSURE TESTED AS ABOVE WITH SATISFACTORY RESULT.

STATEMENT OF CONFORMITY: We hereby certify that the above items/equipment supplied by us are in conformity with the terms, conditions and specifications of the above Purchaser Order and that these items/equipment were fabricated inspected and tested in accordance with the referenced standards, codes and specifications and meet the relevant acceptance criteria and design requirements.

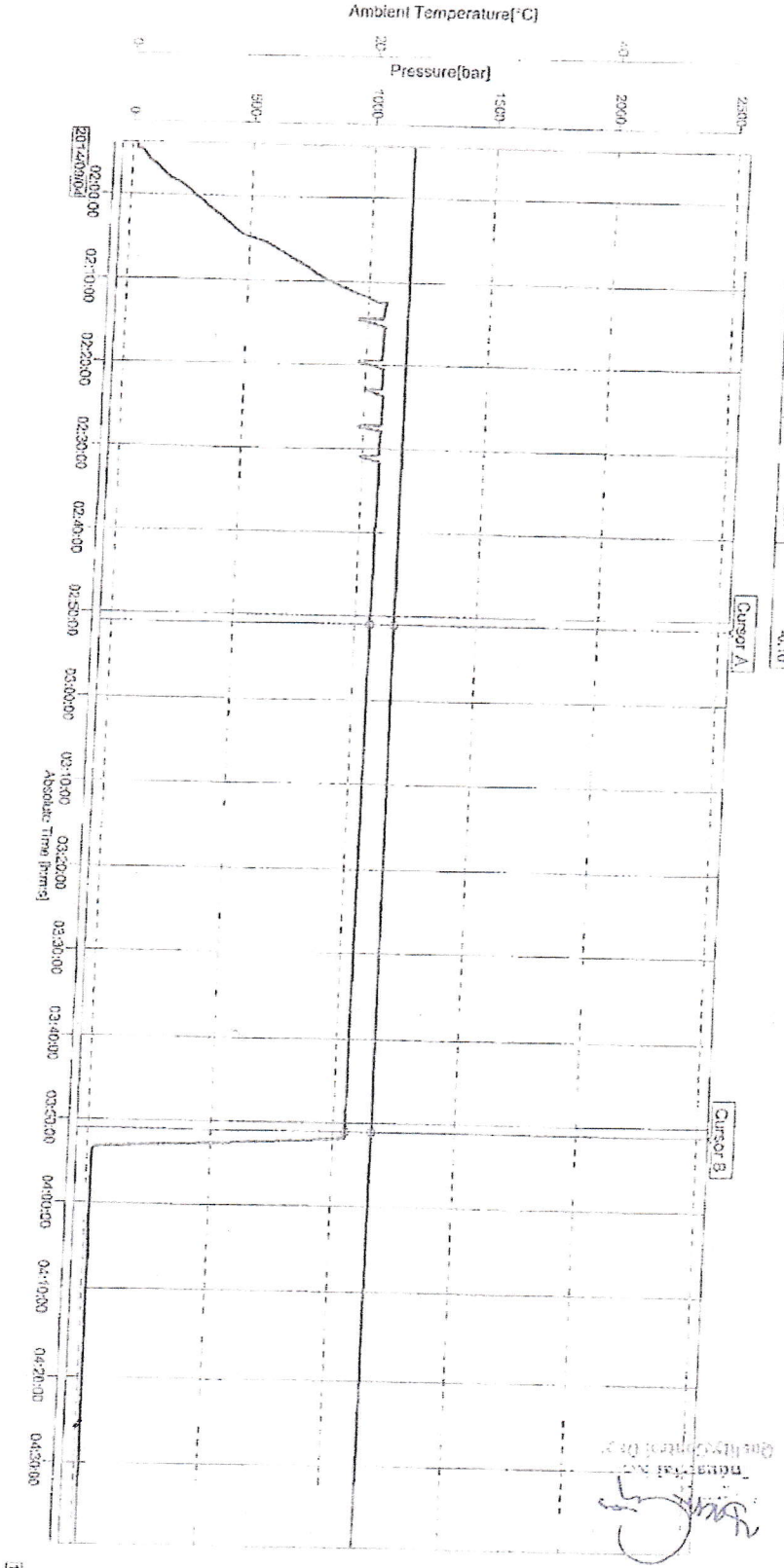
Date:	Inspector	Quality Control
04. September 2014.		ContiTech Rubber Industrial Kft. Quality Control Dept.

File Name : 000220_68543,68545-547.GEV.....000236_68543,68545-547.GEV
File Message : 68543,68545,68547
Device Type : GX10
Serial No. : S5P606389
Data Count : 9948

Print Group : Press-Temp
Print Range : 2014/09/04 01:53:54.000 - 2014/09/04 04:39:39.000
Comment :

Sampling Int. : 1.000 sec
Start Time : 2014/09/04 01:53:54.000
Stop Time : 2014/09/04 04:39:39.000

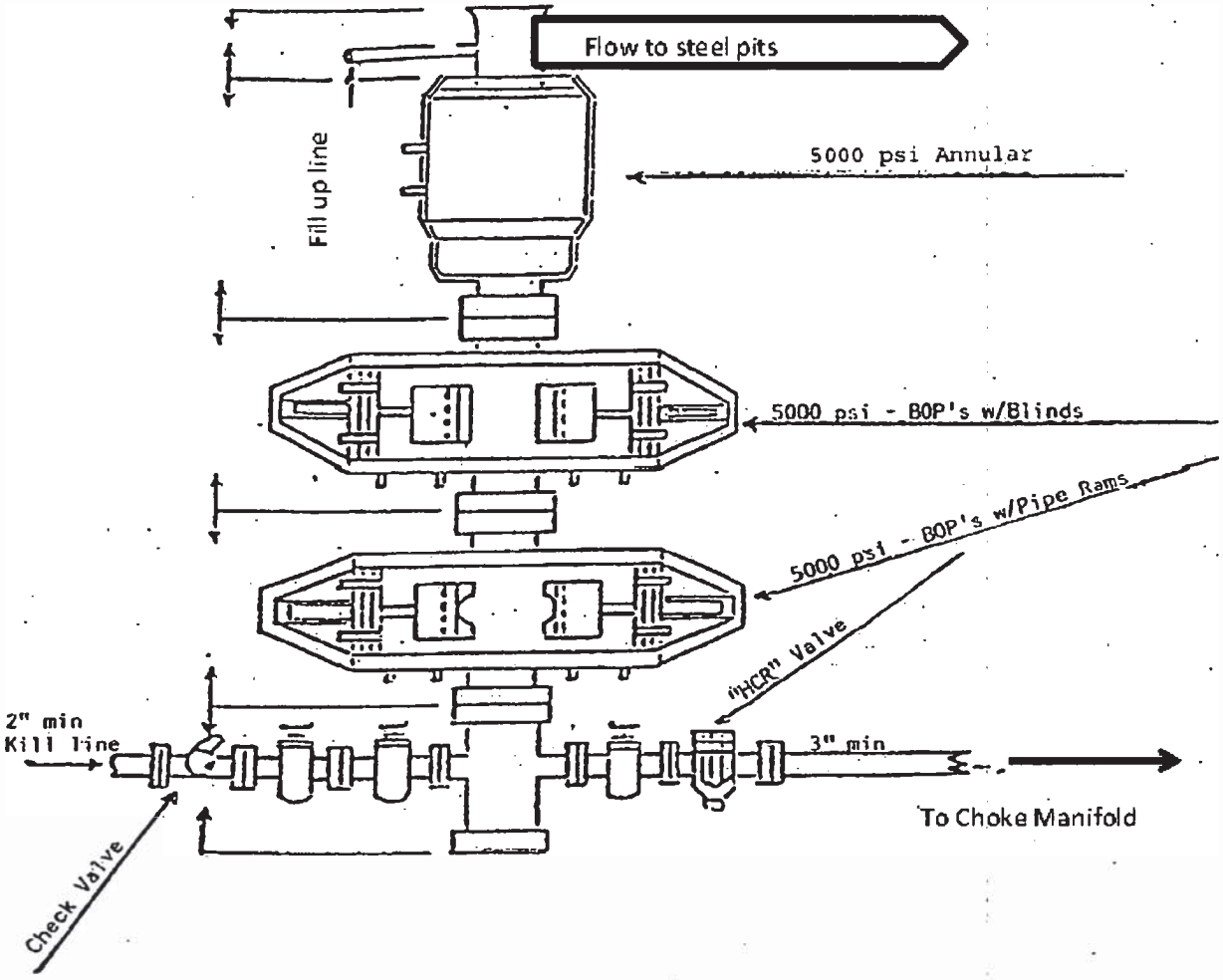
Data No.	Cursor A	Cursor B	Difference
Absolute Time	2014/09/04 02:51:05.000	2014/09/04 03:51:06.002	01:00:01.000
Tag Comment			
Pressure[bar]	Value A	Value B	Value B-A
	1092.95	1045.57	-14.39
Ambient Temperature[°C]	23.24	23.14	-0.10



ATTACHMENT OF QUALITY CONTROL INSPECTION AND TEST CERTIFICATE No: 1588, 1590, 1592

Page: 1 / 1

13-5/8" 5,000 PSI BOP

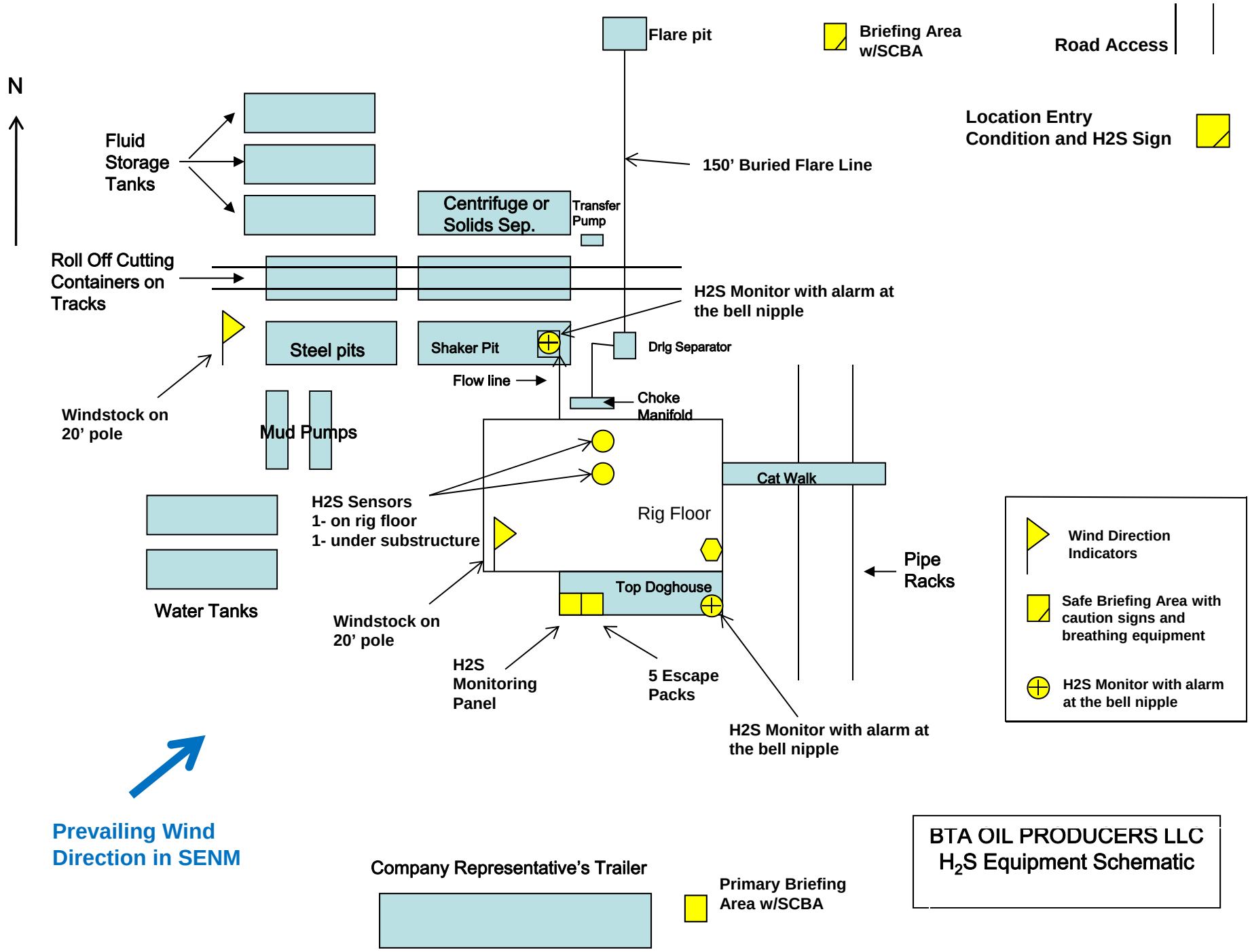


EMERGENCY CALL LIST

	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

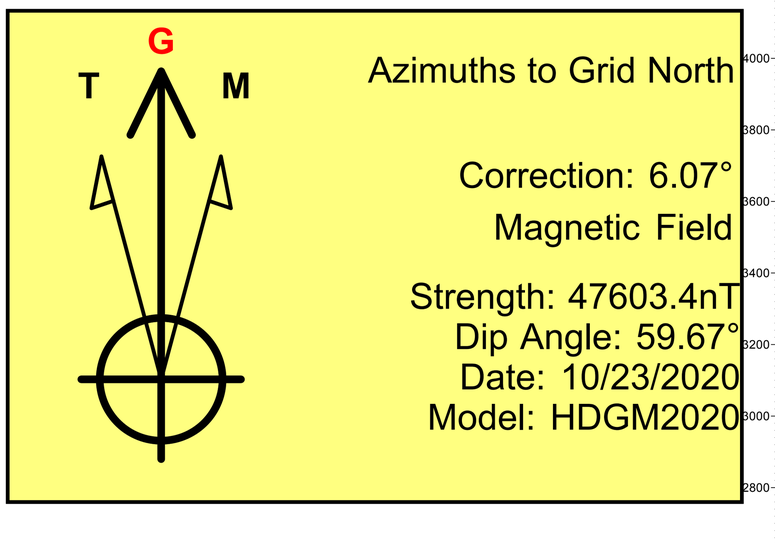
1-432-682-3753

Company Name: BTA Oil Producers, LLC
Rojo 7811 34-27 Fed Com #61H
Lea County, NM (NAD 83)
Rig: Patterson
Created By: Shane Robbins
Date: 10/21/2020

Rojo 7811 34-27 Fed Com #61H
Lea County, NM (NAD 83)
Q200*** & WT-200***
Design #1

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

DIRECTIONAL DRILLING

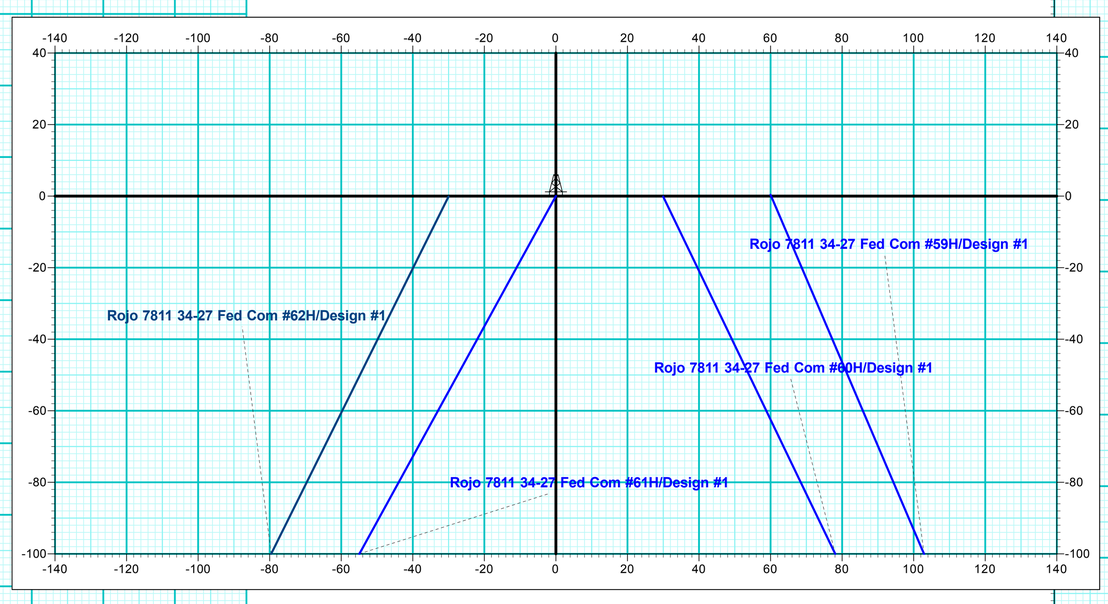


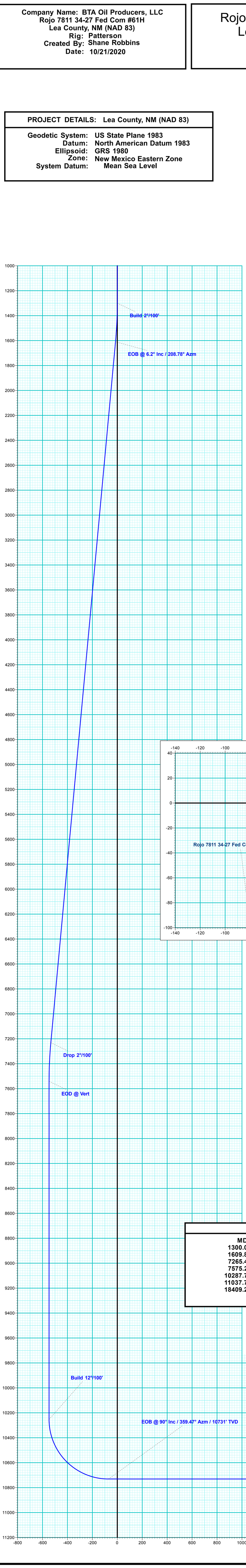
Azimuths to Grid North

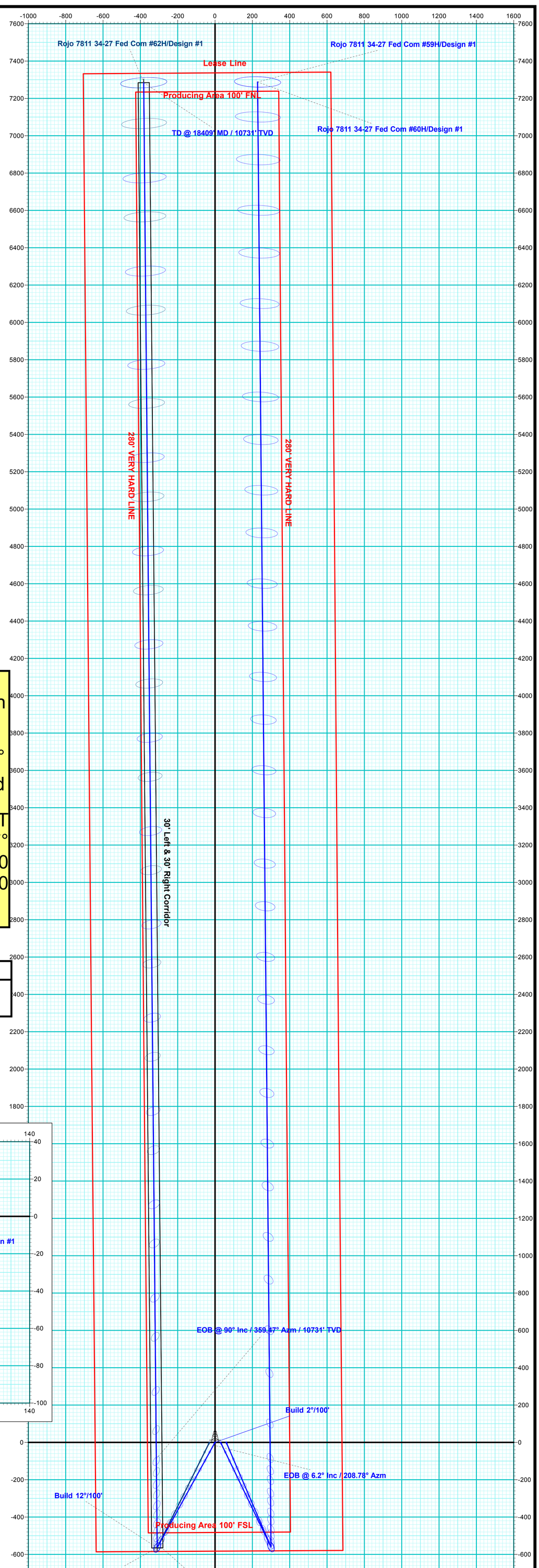
Correction: 6.07°
Magnetic Field

Strength: 47603.4nT
Dip Angle: 59.67°
Date: 10/23/2020
Model: HDGM2020

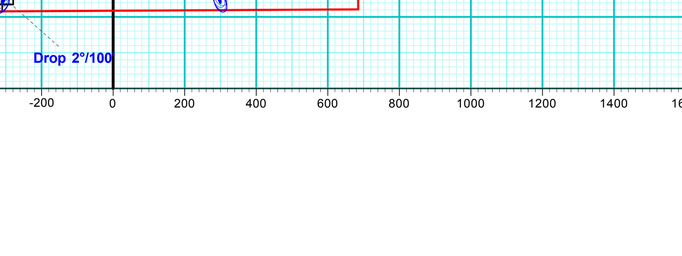
WELL DETAILS:	Rojo 7811 34-27 Fed Com #61H				
			3326.0		
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.0	0.0	396829.40	780091.10	32° 5' 19.024 N	103° 33' 44.635 W







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'
1609.8	6.20	208.78	1609.2	-14.7	-8.1	-14.2	16.7	EOB @ 6.2° Inc / 208.78° Azm
7265.4	6.20	208.78	7231.8	-549.7	-301.9	-533.1	627.2	Drop 2°/100'
7575.2	0.00	0.00	7541.0	-564.4	-310.0	-547.4	643.9	EOD @ Vert
10287.7	0.00	0.00	10253.5	-564.4	-310.0	-547.4	643.9	Build 12°/100'
11037.7	90.00	359.47	10731.0	-86.9	-314.4	-70.3	1121.4	EOB @ 90° Inc / 359.47° Azm / 10731' TVD
18409.2	90.00	359.47	10731.0	7284.2	-382.0	7294.2	8492.8	TD @ 18409' MD / 10731' TVD



Vertical Section at 357.00° (200 usft/in)

BTA Oil Producers, LLC

Lea County, NM (NAD 83)
Sec 34, T25-S, R33-E
Rojo 7811 34-27 Fed Com #61H

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 34-27 Fed Com #61H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	WELL @ 3351.0usft (Patterson)
Site:	Sec 34, T25-S, R33-E	**MD Reference:**	WELL @ 3351.0usft (Patterson)
Well:	Rojo 7811 34-27 Fed Com #61H	**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 34, T25-S, R33-E

Site Position:		**Northing:**	396,110.60 usft	**Latitude:**	32.086642
From:	Map	**Easting:**	780,112.60 usft	**Longitude:**	-103.562346
Position Uncertainty:	0.0 usft	**Slot Radius:**	13-3/16 "	**Grid Convergence:**	0.41 °

Well Rojo 7811 34-27 Fed Com #61H

Well Position	**+N/-S**	0.0 usft	**Northing:**	396,829.40 usft	**Latitude:**	32.088618
	+E/-W	0.0 usft	**Easting:**	780,091.10 usft	**Longitude:**	-103.562399
Position Uncertainty		0.0 usft	**Wellhead Elevation:**	usft	**Ground Level:**	3,326.0 usft

Wellbore Wellbore #1

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM2020	10/23/2020	6.48	59.67	47,603.40000000

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	357.00

Survey Tool Program **Date** 10/23/2020

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.0	18,409.2	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	396,829.40	780,091.10	32.088618	-103.562399
100.0	0.00	0.00	100.0	0.0	0.0	396,829.40	780,091.10	32.088618	-103.562399
200.0	0.00	0.00	200.0	0.0	0.0	396,829.40	780,091.10	32.088618	-103.562399
300.0	0.00	0.00	300.0	0.0	0.0	396,829.40	780,091.10	32.088618	-103.562399
400.0	0.00	0.00	400.0	0.0	0.0	396,829.40	780,091.10	32.088618	-103.562399
500.0	0.00	0.00	500.0	0.0	0.0	396,829.40	780,091.10	32.088618	-103.562399
600.0	0.00	0.00	600.0	0.0	0.0	396,829.40	780,091.10	32.088618	-103.562399
700.0	0.00	0.00	700.0	0.0	0.0	396,829.40	780,091.10	32.088618	-103.562399
800.0	0.00	0.00	800.0	0.0	0.0	396,829.40	780,091.10	32.088618	-103.562399
900.0	0.00	0.00	900.0	0.0	0.0	396,829.40	780,091.10	32.088618	-103.562399
1,000.0	0.00	0.00	1,000.0	0.0	0.0	396,829.40	780,091.10	32.088618	-103.562399
1,100.0	0.00	0.00	1,100.0	0.0	0.0	396,829.40	780,091.10	32.088618	-103.562399

QES

Survey Report - Geographic

Company:	BTA Oil Producers, LLC	**Local Co-ordinate Reference:**	Well Rojo 7811 34-27 Fed Com #61H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	WELL @ 3351.0usft (Patterson)
Site:	Sec 34, T25-S, R33-E	**MD Reference:**	WELL @ 3351.0usft (Patterson)
Well:	Rojo 7811 34-27 Fed Com #61H	**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	396,829.40	780,091.10	32.088618	-103.562399
1,300.0	0.00	0.00	1,300.0	0.0	0.0	396,829.40	780,091.10	32.088618	-103.562399
Build 2°/100'									
1,400.0	2.00	208.78	1,400.0	-1.5	-0.8	396,827.87	780,090.26	32.088614	-103.562402
1,500.0	4.00	208.78	1,499.8	-6.1	-3.4	396,823.28	780,087.74	32.088601	-103.562410
1,609.8	6.20	208.78	1,609.2	-14.7	-8.1	396,814.73	780,083.04	32.088578	-103.562425
EOB @ 6.2° Inc / 208.78° Azm									
1,700.0	6.20	208.78	1,698.9	-23.2	-12.7	396,806.20	780,078.35	32.088554	-103.562441
1,800.0	6.20	208.78	1,798.3	-32.7	-17.9	396,796.74	780,073.16	32.088528	-103.562458
1,900.0	6.20	208.78	1,897.7	-42.1	-23.1	396,787.28	780,067.96	32.088503	-103.562475
2,000.0	6.20	208.78	1,997.1	-51.6	-28.3	396,777.82	780,062.77	32.088477	-103.562491
2,100.0	6.20	208.78	2,096.5	-61.0	-33.5	396,768.36	780,057.57	32.088451	-103.562508
2,200.0	6.20	208.78	2,195.9	-70.5	-38.7	396,758.90	780,052.37	32.088425	-103.562525
2,300.0	6.20	208.78	2,295.4	-80.0	-43.9	396,749.44	780,047.18	32.088399	-103.562542
2,400.0	6.20	208.78	2,394.8	-89.4	-49.1	396,739.98	780,041.98	32.088373	-103.562559
2,500.0	6.20	208.78	2,494.2	-98.9	-54.3	396,730.52	780,036.79	32.088347	-103.562576
2,600.0	6.20	208.78	2,593.6	-108.3	-59.5	396,721.06	780,031.59	32.088321	-103.562593
2,700.0	6.20	208.78	2,693.0	-117.8	-64.7	396,711.60	780,026.39	32.088295	-103.562610
2,800.0	6.20	208.78	2,792.4	-127.3	-69.9	396,702.14	780,021.20	32.088269	-103.562627
2,900.0	6.20	208.78	2,891.9	-136.7	-75.1	396,692.68	780,016.00	32.088244	-103.562644
3,000.0	6.20	208.78	2,991.3	-146.2	-80.3	396,683.22	780,010.80	32.088218	-103.562661
3,100.0	6.20	208.78	3,090.7	-155.6	-85.5	396,673.76	780,005.61	32.088192	-103.562678
3,200.0	6.20	208.78	3,190.1	-165.1	-90.7	396,664.30	780,000.41	32.088166	-103.562695
3,300.0	6.20	208.78	3,289.5	-174.6	-95.9	396,654.83	779,995.22	32.088140	-103.562712
3,400.0	6.20	208.78	3,388.9	-184.0	-101.1	396,645.37	779,990.02	32.088114	-103.562729
3,500.0	6.20	208.78	3,488.4	-193.5	-106.3	396,635.91	779,984.82	32.088088	-103.562746
3,600.0	6.20	208.78	3,587.8	-202.9	-111.5	396,626.45	779,979.63	32.088062	-103.562763
3,700.0	6.20	208.78	3,687.2	-212.4	-116.7	396,616.99	779,974.43	32.088036	-103.562780
3,800.0	6.20	208.78	3,786.6	-221.9	-121.9	396,607.53	779,969.24	32.088010	-103.562797
3,900.0	6.20	208.78	3,886.0	-231.3	-127.1	396,598.07	779,964.04	32.087985	-103.562814
4,000.0	6.20	208.78	3,985.4	-240.8	-132.3	396,588.61	779,958.84	32.087959	-103.562831
4,100.0	6.20	208.78	4,084.8	-250.2	-137.4	396,579.15	779,953.65	32.087933	-103.562848
4,200.0	6.20	208.78	4,184.3	-259.7	-142.6	396,569.69	779,948.45	32.087907	-103.562865
4,300.0	6.20	208.78	4,283.7	-269.2	-147.8	396,560.23	779,943.26	32.087881	-103.562882
4,400.0	6.20	208.78	4,383.1	-278.6	-153.0	396,550.77	779,938.06	32.087855	-103.562899
4,500.0	6.20	208.78	4,482.5	-288.1	-158.2	396,541.31	779,932.86	32.087829	-103.562916
4,600.0	6.20	208.78	4,581.9	-297.5	-163.4	396,531.85	779,927.67	32.087803	-103.562933
4,700.0	6.20	208.78	4,681.3	-307.0	-168.6	396,522.39	779,922.47	32.087777	-103.562950
4,800.0	6.20	208.78	4,780.8	-316.5	-173.8	396,512.93	779,917.27	32.087751	-103.562967
4,900.0	6.20	208.78	4,880.2	-325.9	-179.0	396,503.47	779,912.08	32.087725	-103.562984
5,000.0	6.20	208.78	4,979.6	-335.4	-184.2	396,494.01	779,906.88	32.087700	-103.563001
5,100.0	6.20	208.78	5,079.0	-344.8	-189.4	396,484.55	779,901.69	32.087674	-103.563018
5,200.0	6.20	208.78	5,178.4	-354.3	-194.6	396,475.09	779,896.49	32.087648	-103.563035
5,300.0	6.20	208.78	5,277.8	-363.8	-199.8	396,465.63	779,891.29	32.087622	-103.563052
5,400.0	6.20	208.78	5,377.3	-373.2	-205.0	396,456.17	779,886.10	32.087596	-103.563069
5,500.0	6.20	208.78	5,476.7	-382.7	-210.2	396,446.71	779,880.90	32.087570	-103.563086
5,600.0	6.20	208.78	5,576.1	-392.1	-215.4	396,437.25	779,875.71	32.087544	-103.563103
5,700.0	6.20	208.78	5,675.5	-401.6	-220.6	396,427.79	779,870.51	32.087518	-103.563120
5,800.0	6.20	208.78	5,774.9	-411.1	-225.8	396,418.33	779,865.31	32.087492	-103.563137
5,900.0	6.20	208.78	5,874.3	-420.5	-231.0	396,408.87	779,860.12	32.087466	-103.563154
6,000.0	6.20	208.78	5,973.7	-430.0	-236.2	396,399.41	779,854.92	32.087441	-103.563171
6,100.0	6.20	208.78	6,073.2	-439.4	-241.4	396,389.95	779,849.73	32.087415	-103.563188
6,200.0	6.20	208.78	6,172.6	-448.9	-246.6	396,380.49	779,844.53	32.087389	-103.563205
6,300.0	6.20	208.78	6,272.0	-458.4	-251.8	396,371.03	779,839.33	32.087363	-103.563222
6,400.0	6.20	208.78	6,371.4	-467.8	-257.0	396,361.57	779,834.14	32.087337	-103.563239

QES

Survey Report - Geographic

Company:	BTA Oil Producers, LLC	**Local Co-ordinate Reference:**	Well Rojo 7811 34-27 Fed Com #61H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	WELL @ 3351.0usft (Patterson)
Site:	Sec 34, T25-S, R33-E	**MD Reference:**	WELL @ 3351.0usft (Patterson)
Well:	Rojo 7811 34-27 Fed Com #61H	**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
6,500.0	6.20	208.78	6,470.8	-477.3	-262.2	396,352.11	779,828.94	32.087311	-103.563256
6,600.0	6.20	208.78	6,570.2	-486.8	-267.4	396,342.65	779,823.74	32.087285	-103.563273
6,700.0	6.20	208.78	6,669.7	-496.2	-272.5	396,333.19	779,818.55	32.087259	-103.563290
6,800.0	6.20	208.78	6,769.1	-505.7	-277.7	396,323.73	779,813.35	32.087233	-103.563307
6,900.0	6.20	208.78	6,868.5	-515.1	-282.9	396,314.27	779,808.16	32.087207	-103.563324
7,000.0	6.20	208.78	6,967.9	-524.6	-288.1	396,304.81	779,802.96	32.087182	-103.563341
7,100.0	6.20	208.78	7,067.3	-534.1	-293.3	396,295.35	779,797.76	32.087156	-103.563358
7,200.0	6.20	208.78	7,166.7	-543.5	-298.5	396,285.89	779,792.57	32.087130	-103.563375
7,265.4	6.20	208.78	7,231.8	-549.7	-301.9	396,279.70	779,789.17	32.087113	-103.563386
Drop 2°/100'									
7,300.0	5.50	208.78	7,266.2	-552.8	-303.6	396,276.61	779,787.47	32.087104	-103.563392
7,400.0	3.50	208.78	7,365.9	-559.7	-307.4	396,269.72	779,783.69	32.087086	-103.563404
7,500.0	1.50	208.78	7,465.8	-563.5	-309.5	396,265.89	779,781.59	32.087075	-103.563411
7,575.2	0.00	0.00	7,541.0	-564.4	-310.0	396,265.03	779,781.11	32.087073	-103.563413
EOD @ Vert									
7,600.0	0.00	0.00	7,565.8	-564.4	-310.0	396,265.03	779,781.11	32.087073	-103.563413
7,700.0	0.00	0.00	7,665.8	-564.4	-310.0	396,265.03	779,781.11	32.087073	-103.563413
7,800.0	0.00	0.00	7,765.8	-564.4	-310.0	396,265.03	779,781.11	32.087073	-103.563413
7,900.0	0.00	0.00	7,865.8	-564.4	-310.0	396,265.03	779,781.11	32.087073	-103.563413
8,000.0	0.00	0.00	7,965.8	-564.4	-310.0	396,265.03	779,781.11	32.087073	-103.563413
8,100.0	0.00	0.00	8,065.8	-564.4	-310.0	396,265.03	779,781.11	32.087073	-103.563413
8,200.0	0.00	0.00	8,165.8	-564.4	-310.0	396,265.03	779,781.11	32.087073	-103.563413
8,300.0	0.00	0.00	8,265.8	-564.4	-310.0	396,265.03	779,781.11	32.087073	-103.563413
8,400.0	0.00	0.00	8,365.8	-564.4	-310.0	396,265.03	779,781.11	32.087073	-103.563413
8,500.0	0.00	0.00	8,465.8	-564.4	-310.0	396,265.03	779,781.11	32.087073	-103.563413
8,600.0	0.00	0.00	8,565.8	-564.4	-310.0	396,265.03	779,781.11	32.087073	-103.563413
8,700.0	0.00	0.00	8,665.8	-564.4	-310.0	396,265.03	779,781.11	32.087073	-103.563413
8,800.0	0.00	0.00	8,765.8	-564.4	-310.0	396,265.03	779,781.11	32.087073	-103.563413
8,900.0	0.00	0.00	8,865.8	-564.4	-310.0	396,265.03	779,781.11	32.087073	-103.563413
9,000.0	0.00	0.00	8,965.8	-564.4	-310.0	396,265.03	779,781.11	32.087073	-103.563413
9,100.0	0.00	0.00	9,065.8	-564.4	-310.0	396,265.03	779,781.11	32.087073	-103.563413
9,200.0	0.00	0.00	9,165.8	-564.4	-310.0	396,265.03	779,781.11	32.087073	-103.563413
9,300.0	0.00	0.00	9,265.8	-564.4	-310.0	396,265.03	779,781.11	32.087073	-103.563413
9,400.0	0.00	0.00	9,365.8	-564.4	-310.0	396,265.03	779,781.11	32.087073	-103.563413
9,500.0	0.00	0.00	9,465.8	-564.4	-310.0	396,265.03	779,781.11	32.087073	-103.563413
9,600.0	0.00	0.00	9,565.8	-564.4	-310.0	396,265.03	779,781.11	32.087073	-103.563413
9,700.0	0.00	0.00	9,665.8	-564.4	-310.0	396,265.03	779,781.11	32.087073	-103.563413
9,800.0	0.00	0.00	9,765.8	-564.4	-310.0	396,265.03	779,781.11	32.087073	-103.563413
9,900.0	0.00	0.00	9,865.8	-564.4	-310.0	396,265.03	779,781.11	32.087073	-103.563413
10,000.0	0.00	0.00	9,965.8	-564.4	-310.0	396,265.03	779,781.11	32.087073	-103.563413
10,100.0	0.00	0.00	10,065.8	-564.4	-310.0	396,265.03	779,781.11	32.087073	-103.563413
10,200.0	0.00	0.00	10,165.8	-564.4	-310.0	396,265.03	779,781.11	32.087073	-103.563413
10,287.7	0.00	0.00	10,253.5	-564.4	-310.0	396,265.03	779,781.11	32.087073	-103.563413
Build 12°/100'									
10,300.0	1.47	359.47	10,265.8	-564.2	-310.0	396,265.19	779,781.11	32.087073	-103.563413
10,325.0	4.47	359.47	10,290.7	-562.9	-310.0	396,266.48	779,781.10	32.087077	-103.563413
10,350.0	7.47	359.47	10,315.6	-560.3	-310.0	396,269.08	779,781.07	32.087084	-103.563413
10,375.0	10.47	359.47	10,340.3	-556.4	-310.1	396,272.98	779,781.04	32.087095	-103.563413
10,400.0	13.47	359.47	10,364.7	-551.2	-310.1	396,278.16	779,780.99	32.087109	-103.563413
10,425.0	16.47	359.47	10,388.9	-544.8	-310.2	396,284.62	779,780.93	32.087127	-103.563413
10,450.0	19.47	359.47	10,412.6	-537.1	-310.2	396,292.33	779,780.86	32.087148	-103.563413
10,475.0	22.47	359.47	10,436.0	-528.1	-310.3	396,301.28	779,780.78	32.087172	-103.563413
10,500.0	25.47	359.47	10,458.8	-518.0	-310.4	396,311.43	779,780.69	32.087200	-103.563413
10,525.0	28.47	359.47	10,481.1	-506.6	-310.5	396,322.77	779,780.58	32.087231	-103.563413
10,550.0	31.47	359.47	10,502.8	-494.1	-310.6	396,335.26	779,780.47	32.087266	-103.563413

QES

Survey Report - Geographic

Company:	BTA Oil Producers, LLC	**Local Co-ordinate Reference:**	Well Rojo 7811 34-27 Fed Com #61H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	WELL @ 3351.0usft (Patterson)
Site:	Sec 34, T25-S, R33-E	**MD Reference:**	WELL @ 3351.0usft (Patterson)
Well:	Rojo 7811 34-27 Fed Com #61H	**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
10,575.0	34.47	359.47	10,523.7	-480.5	-310.8	396,348.86	779,780.34	32.087303	-103.563413
10,600.0	37.47	359.47	10,544.0	-465.9	-310.9	396,363.54	779,780.21	32.087343	-103.563413
10,625.0	40.47	359.47	10,563.4	-450.1	-311.0	396,379.26	779,780.06	32.087387	-103.563413
10,650.0	43.47	359.47	10,582.0	-433.4	-311.2	396,395.98	779,779.91	32.087433	-103.563414
10,675.0	46.47	359.47	10,599.7	-415.8	-311.3	396,413.64	779,779.75	32.087481	-103.563414
10,700.0	49.47	359.47	10,616.4	-397.2	-311.5	396,432.21	779,779.58	32.087532	-103.563414
10,725.0	52.47	359.47	10,632.1	-377.8	-311.7	396,451.63	779,779.40	32.087586	-103.563414
10,750.0	55.47	359.47	10,646.9	-357.6	-311.9	396,471.84	779,779.21	32.087641	-103.563414
10,775.0	58.47	359.47	10,660.5	-336.6	-312.1	396,492.80	779,779.02	32.087699	-103.563414
10,800.0	61.47	359.47	10,673.0	-315.0	-312.3	396,514.44	779,778.82	32.087758	-103.563414
10,825.0	64.47	359.47	10,684.3	-292.7	-312.5	396,536.71	779,778.62	32.087819	-103.563414
10,850.0	67.47	359.47	10,694.5	-269.9	-312.7	396,559.54	779,778.41	32.087882	-103.563415
10,875.0	70.47	359.47	10,703.5	-246.5	-312.9	396,582.87	779,778.19	32.087946	-103.563415
10,900.0	73.47	359.47	10,711.2	-222.8	-313.1	396,606.64	779,777.98	32.088012	-103.563415
10,925.0	76.47	359.47	10,717.7	-198.6	-313.3	396,630.78	779,777.76	32.088078	-103.563415
10,950.0	79.47	359.47	10,722.9	-174.2	-313.6	396,655.22	779,777.53	32.088145	-103.563415
10,975.0	82.47	359.47	10,726.8	-149.5	-313.8	396,679.91	779,777.30	32.088213	-103.563415
11,000.0	85.47	359.47	10,729.5	-124.6	-314.0	396,704.77	779,777.08	32.088281	-103.563416
11,025.0	88.47	359.47	10,730.8	-99.7	-314.3	396,729.73	779,776.85	32.088350	-103.563416
11,037.7	90.00	359.47	10,731.0	-86.9	-314.4	396,742.47	779,776.73	32.088385	-103.563416
EOB @ 90° Inc / 359.47° Azm / 10731' TVD									
11,100.0	90.00	359.47	10,731.0	-24.7	-314.9	396,804.72	779,776.16	32.088556	-103.563416
11,200.0	90.00	359.47	10,731.0	75.3	-315.9	396,904.72	779,775.24	32.088831	-103.563417
11,300.0	90.00	359.47	10,731.0	175.3	-316.8	397,004.72	779,774.32	32.089106	-103.563418
11,400.0	90.00	359.47	10,731.0	275.3	-317.7	397,104.71	779,773.41	32.089381	-103.563418
11,500.0	90.00	359.47	10,731.0	375.3	-318.6	397,204.71	779,772.49	32.089656	-103.563419
11,600.0	90.00	359.47	10,731.0	475.3	-319.5	397,304.70	779,771.57	32.089931	-103.563420
11,700.0	90.00	359.47	10,731.0	575.3	-320.4	397,404.70	779,770.65	32.090205	-103.563420
11,800.0	90.00	359.47	10,731.0	675.3	-321.4	397,504.69	779,769.74	32.090480	-103.563421
11,900.0	90.00	359.47	10,731.0	775.3	-322.3	397,604.69	779,768.82	32.090755	-103.563422
12,000.0	90.00	359.47	10,731.0	875.3	-323.2	397,704.69	779,767.90	32.091030	-103.563422
12,100.0	90.00	359.47	10,731.0	975.3	-324.1	397,804.68	779,766.98	32.091305	-103.563423
12,200.0	90.00	359.47	10,731.0	1,075.3	-325.0	397,904.68	779,766.07	32.091580	-103.563423
12,300.0	90.00	359.47	10,731.0	1,175.3	-325.9	398,004.67	779,765.15	32.091855	-103.563424
12,400.0	90.00	359.47	10,731.0	1,275.3	-326.9	398,104.67	779,764.23	32.092130	-103.563425
12,500.0	90.00	359.47	10,731.0	1,375.3	-327.8	398,204.67	779,763.31	32.092405	-103.563425
12,600.0	90.00	359.47	10,731.0	1,475.3	-328.7	398,304.66	779,762.40	32.092679	-103.563426
12,700.0	90.00	359.47	10,731.0	1,575.3	-329.6	398,404.66	779,761.48	32.092954	-103.563427
12,800.0	90.00	359.47	10,731.0	1,675.3	-330.5	398,504.65	779,760.56	32.093229	-103.563427
12,900.0	90.00	359.47	10,731.0	1,775.2	-331.5	398,604.65	779,759.64	32.093504	-103.563428
13,000.0	90.00	359.47	10,731.0	1,875.2	-332.4	398,704.64	779,758.73	32.093779	-103.563429
13,100.0	90.00	359.47	10,731.0	1,975.2	-333.3	398,804.64	779,757.81	32.094054	-103.563429
13,200.0	90.00	359.47	10,731.0	2,075.2	-334.2	398,904.64	779,756.89	32.094329	-103.563430
13,300.0	90.00	359.47	10,731.0	2,175.2	-335.1	399,004.63	779,755.97	32.094604	-103.563431
13,400.0	90.00	359.47	10,731.0	2,275.2	-336.0	399,104.63	779,755.06	32.094878	-103.563431
13,500.0	90.00	359.47	10,731.0	2,375.2	-337.0	399,204.62	779,754.14	32.095153	-103.563432
13,600.0	90.00	359.47	10,731.0	2,475.2	-337.9	399,304.62	779,753.22	32.095428	-103.563433
13,700.0	90.00	359.47	10,731.0	2,575.2	-338.8	399,404.61	779,752.30	32.095703	-103.563433
13,800.0	90.00	359.47	10,731.0	2,675.2	-339.7	399,504.61	779,751.39	32.095978	-103.563434
13,900.0	90.00	359.47	10,731.0	2,775.2	-340.6	399,604.61	779,750.47	32.096253	-103.563435
14,000.0	90.00	359.47	10,731.0	2,875.2	-341.5	399,704.60	779,749.55	32.096528	-103.563435
14,100.0	90.00	359.47	10,731.0	2,975.2	-342.5	399,804.60	779,748.63	32.096803	-103.563436
14,200.0	90.00	359.47	10,731.0	3,075.2	-343.4	399,904.59	779,747.72	32.097077	-103.563437
14,300.0	90.00	359.47	10,731.0	3,175.2	-344.3	400,004.59	779,746.80	32.097352	-103.563437
14,400.0	90.00	359.47	10,731.0	3,275.2	-345.2	400,104.59	779,745.88	32.097627	-103.563438

QES

Survey Report - Geographic

Company:	BTA Oil Producers, LLC	**Local Co-ordinate Reference:**	Well Rojo 7811 34-27 Fed Com #61H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	WELL @ 3351.0usft (Patterson)
Site:	Sec 34, T25-S, R33-E	**MD Reference:**	WELL @ 3351.0usft (Patterson)
Well:	Rojo 7811 34-27 Fed Com #61H	**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
14,500.0	90.00	359.47	10,731.0	3,375.2	-346.1	400,204.58	779,744.96	32.097902	-103.563439
14,600.0	90.00	359.47	10,731.0	3,475.2	-347.1	400,304.58	779,744.05	32.098177	-103.563439
14,700.0	90.00	359.47	10,731.0	3,575.2	-348.0	400,404.57	779,743.13	32.098452	-103.563440
14,800.0	90.00	359.47	10,731.0	3,675.2	-348.9	400,504.57	779,742.21	32.098727	-103.563441
14,900.0	90.00	359.47	10,731.0	3,775.2	-349.8	400,604.56	779,741.29	32.099002	-103.563441
15,000.0	90.00	359.47	10,731.0	3,875.2	-350.7	400,704.56	779,740.38	32.099276	-103.563442
15,100.0	90.00	359.47	10,731.0	3,975.2	-351.6	400,804.56	779,739.46	32.099551	-103.563443
15,200.0	90.00	359.47	10,731.0	4,075.2	-352.6	400,904.55	779,738.54	32.099826	-103.563443
15,300.0	90.00	359.47	10,731.0	4,175.1	-353.5	401,004.55	779,737.62	32.100101	-103.563444
15,400.0	90.00	359.47	10,731.0	4,275.1	-354.4	401,104.54	779,736.71	32.100376	-103.563445
15,500.0	90.00	359.47	10,731.0	4,375.1	-355.3	401,204.54	779,735.79	32.100651	-103.563445
15,600.0	90.00	359.47	10,731.0	4,475.1	-356.2	401,304.53	779,734.87	32.100926	-103.563446
15,700.0	90.00	359.47	10,731.0	4,575.1	-357.1	401,404.53	779,733.95	32.101201	-103.563446
15,800.0	90.00	359.47	10,731.0	4,675.1	-358.1	401,504.53	779,733.04	32.101475	-103.563447
15,900.0	90.00	359.47	10,731.0	4,775.1	-359.0	401,604.52	779,732.12	32.101750	-103.563448
16,000.0	90.00	359.47	10,731.0	4,875.1	-359.9	401,704.52	779,731.20	32.102025	-103.563448
16,100.0	90.00	359.47	10,731.0	4,975.1	-360.8	401,804.51	779,730.28	32.102300	-103.563449
16,200.0	90.00	359.47	10,731.0	5,075.1	-361.7	401,904.51	779,729.37	32.102575	-103.563450
16,300.0	90.00	359.47	10,731.0	5,175.1	-362.6	402,004.51	779,728.45	32.102850	-103.563450
16,400.0	90.00	359.47	10,731.0	5,275.1	-363.6	402,104.50	779,727.53	32.103125	-103.563451
16,500.0	90.00	359.47	10,731.0	5,375.1	-364.5	402,204.50	779,726.61	32.103400	-103.563452
16,600.0	90.00	359.47	10,731.0	5,475.1	-365.4	402,304.49	779,725.70	32.103675	-103.563452
16,700.0	90.00	359.47	10,731.0	5,575.1	-366.3	402,404.49	779,724.78	32.103949	-103.563453
16,800.0	90.00	359.47	10,731.0	5,675.1	-367.2	402,504.48	779,723.86	32.104224	-103.563454
16,900.0	90.00	359.47	10,731.0	5,775.1	-368.2	402,604.48	779,722.94	32.104499	-103.563454
17,000.0	90.00	359.47	10,731.0	5,875.1	-369.1	402,704.48	779,722.03	32.104774	-103.563455
17,100.0	90.00	359.47	10,731.0	5,975.1	-370.0	402,804.47	779,721.11	32.105049	-103.563456
17,200.0	90.00	359.47	10,731.0	6,075.1	-370.9	402,904.47	779,720.19	32.105324	-103.563456
17,300.0	90.00	359.47	10,731.0	6,175.1	-371.8	403,004.46	779,719.27	32.105599	-103.563457
17,400.0	90.00	359.47	10,731.0	6,275.1	-372.7	403,104.46	779,718.36	32.105874	-103.563458
17,500.0	90.00	359.47	10,731.0	6,375.1	-373.7	403,204.45	779,717.44	32.106148	-103.563458
17,600.0	90.00	359.47	10,731.0	6,475.1	-374.6	403,304.45	779,716.52	32.106423	-103.563459
17,700.0	90.00	359.47	10,731.0	6,575.0	-375.5	403,404.45	779,715.60	32.106698	-103.563460
17,800.0	90.00	359.47	10,731.0	6,675.0	-376.4	403,504.44	779,714.69	32.106973	-103.563460
17,900.0	90.00	359.47	10,731.0	6,775.0	-377.3	403,604.44	779,713.77	32.107248	-103.563461
18,000.0	90.00	359.47	10,731.0	6,875.0	-378.2	403,704.43	779,712.85	32.107523	-103.563462
18,100.0	90.00	359.47	10,731.0	6,975.0	-379.2	403,804.43	779,711.93	32.107798	-103.563462
18,200.0	90.00	359.47	10,731.0	7,075.0	-380.1	403,904.43	779,711.02	32.108073	-103.563463
18,300.0	90.00	359.47	10,731.0	7,175.0	-381.0	404,004.42	779,710.10	32.108347	-103.563464
18,409.2	90.00	359.47	10,731.0	7,284.2	-382.0	404,113.60	779,709.10	32.108648	-103.563464
TD @ 18409' MD / 10731' 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 61H - plan hits target center - Point	0.00	0.00	7,541.0	-564.4	-310.0	396,265.03	779,781.11	32.087073	-103.563413
PBHL Rojo 7811 34-27 F - plan hits target center - Rectangle (sides W60.0 H0.0 D7,850.0)	90.00	359.47	10,731.0	7,284.2	-382.0	404,113.60	779,709.10	32.108648	-103.563464

QES

Survey Report - Geographic

Company:	BTA Oil Producers, LLC	**Local Co-ordinate Reference:**	Well Rojo 7811 34-27 Fed Com #61H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	WELL @ 3351.0usft (Patterson)
Site:	Sec 34, T25-S, R33-E	**MD Reference:**	WELL @ 3351.0usft (Patterson)
Well:	Rojo 7811 34-27 Fed Com #61H	**North Reference:**	Grid
Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Design #1	**Database:**	EDM 5000.1 Single User Db

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'
1610	1609	-15	-8	EOB @ 6.2° Inc / 208.78° Azm
7265	7232	-550	-302	Drop 2°/100'
7575	7541	-564	-310	EOD @ Vert
10,288	10,253	-564	-310	Build 12°/100'
11,038	10,731	-87	-314	EOB @ 90° Inc / 359.47° Azm / 10731' TVD
18,409	10,731	7284	-382	TD @ 18409' MD / 10731' TVD

BTA

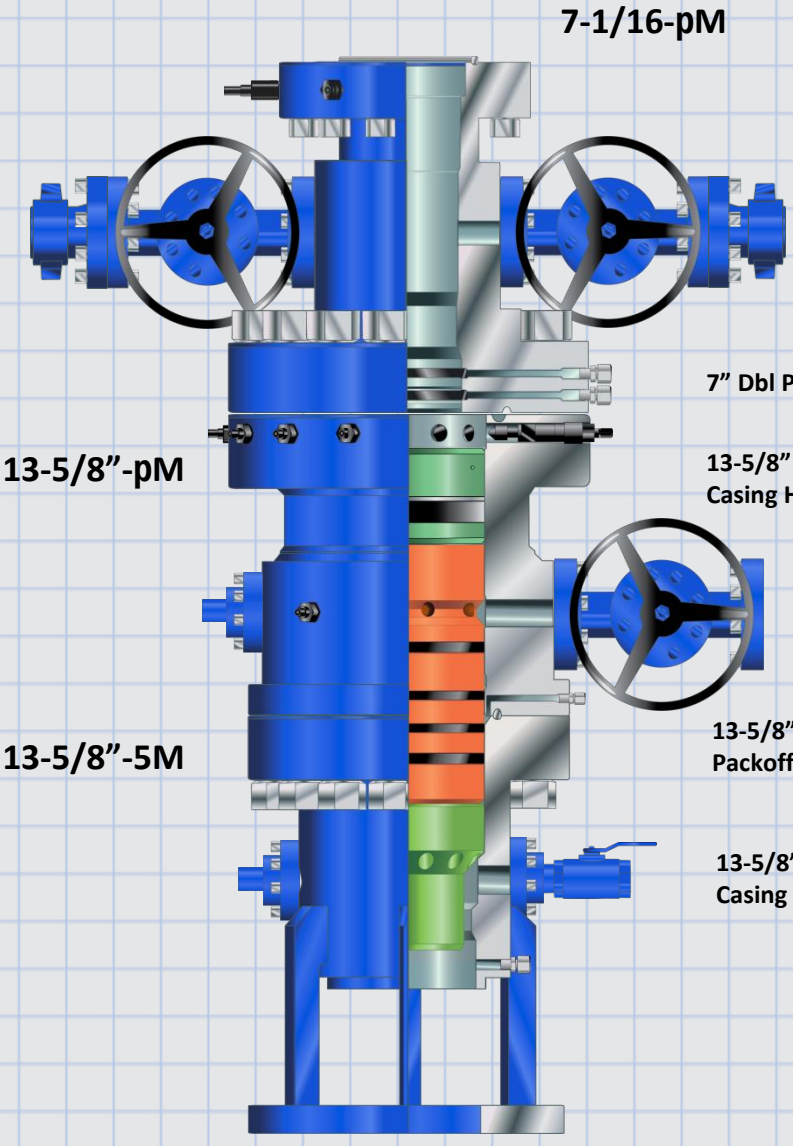
Multi-Bowl System

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
03/14/2022

APD ID: 10400065170
Submission Date: 11/13/2020
Operator Name: BTA OIL PRODUCERS LLC
Well Name: ROJO 7811 34-27 FEDERAL COM
Well Number: 61H
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:

20110310_Rojo_7811_34_27_Fed_Com_61H_Vicinity_Topo___Access_Rd_Map_20201113083904.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? YES

New Road Map:

20110310_Rojo_7811_34_27_Fed_Com_61H_Vicinity_Topo___Access_Rd_Map_20201113083921.pdf

New road type: RESOURCE

Length: 319 Feet **Width (ft.):** 30

Max slope (%): 2 **Max grade (%):** 2

Army Corp of Engineers (ACOE) permit required? N

ACOE Permit Number(s):

New road travel width: 15

New road access erosion control: Road construction requirements and regular maintenance would alleviate potential impacts to the access road from water erosion damage.

New road access plan or profile prepared? N

New road access plan attachment:

Access road engineering design? N

Access road engineering design attachment:

Operator Name: BTA OIL PRODUCERS LLC

Well Name: ROJO 7811 34-27 FEDERAL COM **Well Number:** 61H

Turnout? N

Access surfacing type: OTHER

Access topsoil source: BOTH

Access surfacing type description: Native Caliche

Access onsite topsoil source depth: 6

Offsite topsoil source description: Material will be obtained from the closest existing caliche pit as designated by the BLM.

Onsite topsoil removal process: The top 6 inches of topsoil is pushed off and stockpiled along the side of the location. An approximate 160 X 160 area is used within the proposed well site to remove caliche. Subsoil is removed and stockpiled within the pad site to build the location and road. Then subsoil is pushed back in the hole and caliche is spread accordingly across proposed access road

Access other construction information:

Access miscellaneous information:

Number of access turnouts: **Access turnout map:**

Drainage Control

New road drainage crossing: OTHER

Drainage Control comments: Proposed access road will be crowned and ditched and constructed of 6 inch rolled and compacted caliche. Water will be diverted where necessary to avoid ponding, maintain good drainage, and to be consistent with local drainage patterns.

Road Drainage Control Structures (DCS) description: Any ditches will be at 3:1 slope and 3 feet wide.

Road Drainage Control Structures (DCS) attachment:

Access Additional Attachments

Section 3 - Location of Existing Wells

Existing Wells Map? YES

Attach Well map:

20110310_Rojo_7811_34_27_Fed_Com_61H_1_Mile_Radius___C102_20201113083940.pdf

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

Operator Name: BTA OIL PRODUCERS LLC

Well Name: ROJO 7811 34-27 FEDERAL COM **Well Number:** 61H

Water source type: OTHER

Describe type: PIT

Water source use type: SURFACE CASING
STIMULATION
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

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:**

Operator Name: BTA OIL PRODUCERS LLC

Well Name: ROJO 7811 34-27 FEDERAL COM **Well Number:** 61H

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: 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.

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.

Operator Name: BTA OIL PRODUCERS LLC

Well Name: ROJO 7811 34-27 FEDERAL COM **Well Number:** 61H

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.

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

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

Operator Name: BTA OIL PRODUCERS LLC

Well Name: ROJO 7811 34-27 FEDERAL COM **Well Number:** 61H

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

20110308_Access_Rd_for_Rojo_7811_34_27_FC_59H_62H_Pad_20201111150532.pdf

20110310_Rojo_7811_34_27_Fed_Com_61H_Well_Site_Plan__600s__20201113084008.pdf

Comments:

Section 10 - Plans for Surface Reclamation

Type of disturbance: New Surface Disturbance

Multiple Well Pad Name: ROJO 7811 34-27 FEDERAL COM

Multiple Well Pad Number: 59H, 60H, 61H and 62H

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 proposed disturbance: 4.49	**Total interim reclamation:** 0.56	**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.

Operator Name: BTA OIL PRODUCERS LLC

Well Name: ROJO 7811 34-27 FEDERAL COM **Well Number:** 61H

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:

Seed Management

Seed Table

Seed Summary

Total pounds/Acre:

Seed Type	Pounds/Acre

Seed reclamation attachment:

Operator Contact/Responsible Official Contact Info

Operator Name: BTA OIL PRODUCERS LLC

Well Name: ROJO 7811 34-27 FEDERAL COM **Well Number:** 61H

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

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:

Operator Name: BTA OIL PRODUCERS LLC

Well Name: ROJO 7811 34-27 FEDERAL COM **Well Number:** 61H

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

Disturbance type: NEW ACCESS ROAD

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

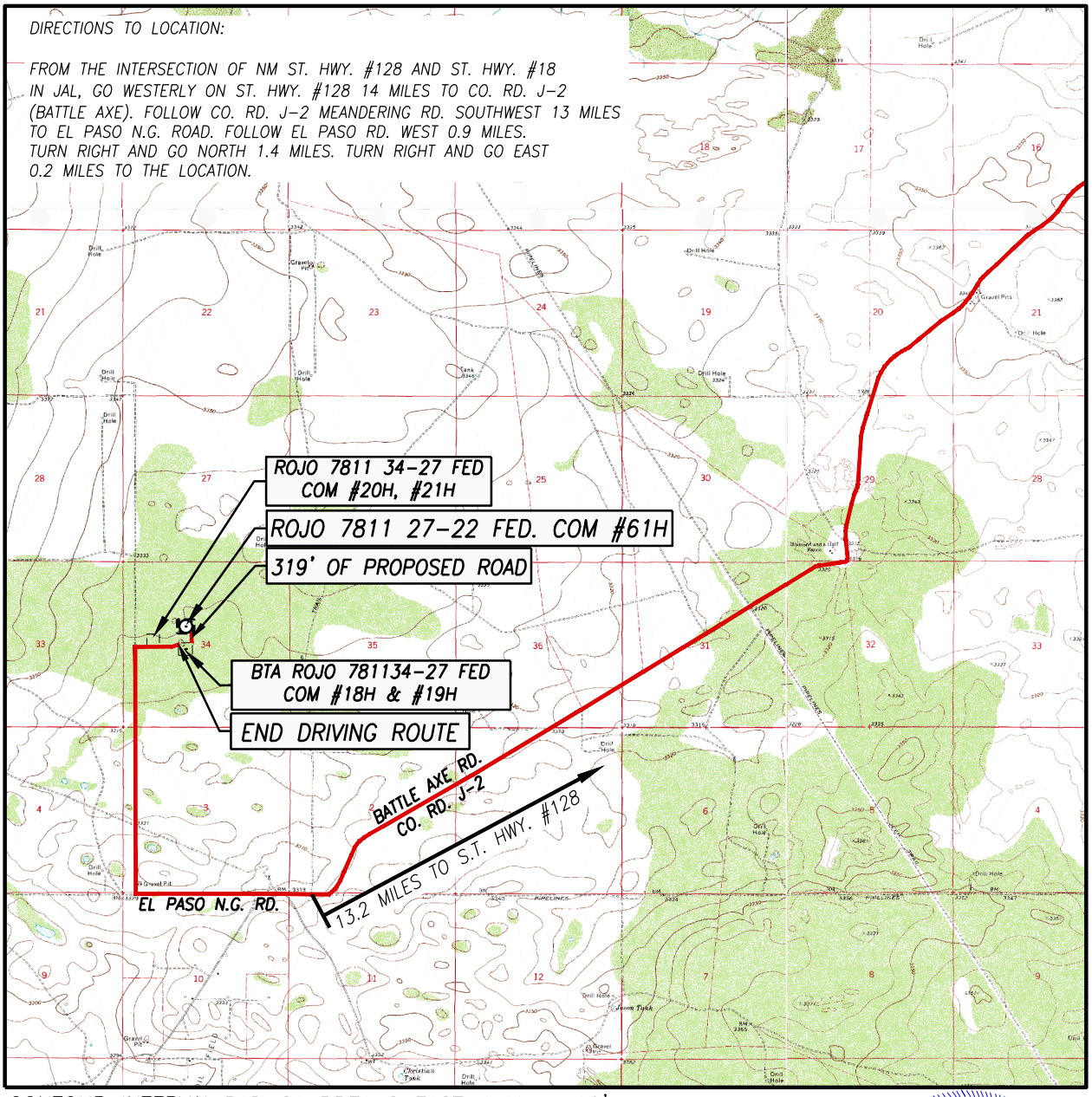
Operator Name: BTA OIL PRODUCERS LLC

Well Name: ROJO 7811 34-27 FEDERAL COM **Well Number:** 61H

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

Other SUPO Attachment

VICINITY, TOPOGRAPHIC AND ACCESS ROAD MAP



CONTOUR INTERVAL: PADUCA BREAKS EAST, N.M. – 10'

SCALE: 1" = 1 MILE

SEC. 34 TWP. 25-S RGE. 33-E

SURVEY N.M.P.M.

COUNTY LEA STATE NEW MEXICO

DESCRIPTION 2055' FNL & 1965' FWL

ELEVATION 3326'

OPERATOR BTA OIL PRODUCERS, LLC

LEASE ROJO 7811 34-27 FEDERAL COM

U.S.G.S. TOPOGRAPHIC MAP
PADUCA BREAKS EAST, N.M.

I, RONALD J. EIDSON, NEW MEXICO PROFESSIONAL SURVEYOR No. 3239, DO HEREBY CERTIFY THAT THIS SURVEY PLAT AND THE ACTUAL SURVEY ON THE GROUND UPON WHICH IT IS BASED WERE PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION; THAT I AM RESPONSIBLE FOR THIS SURVEY; THAT THIS SURVEY MEETS THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO; AND THAT IT IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

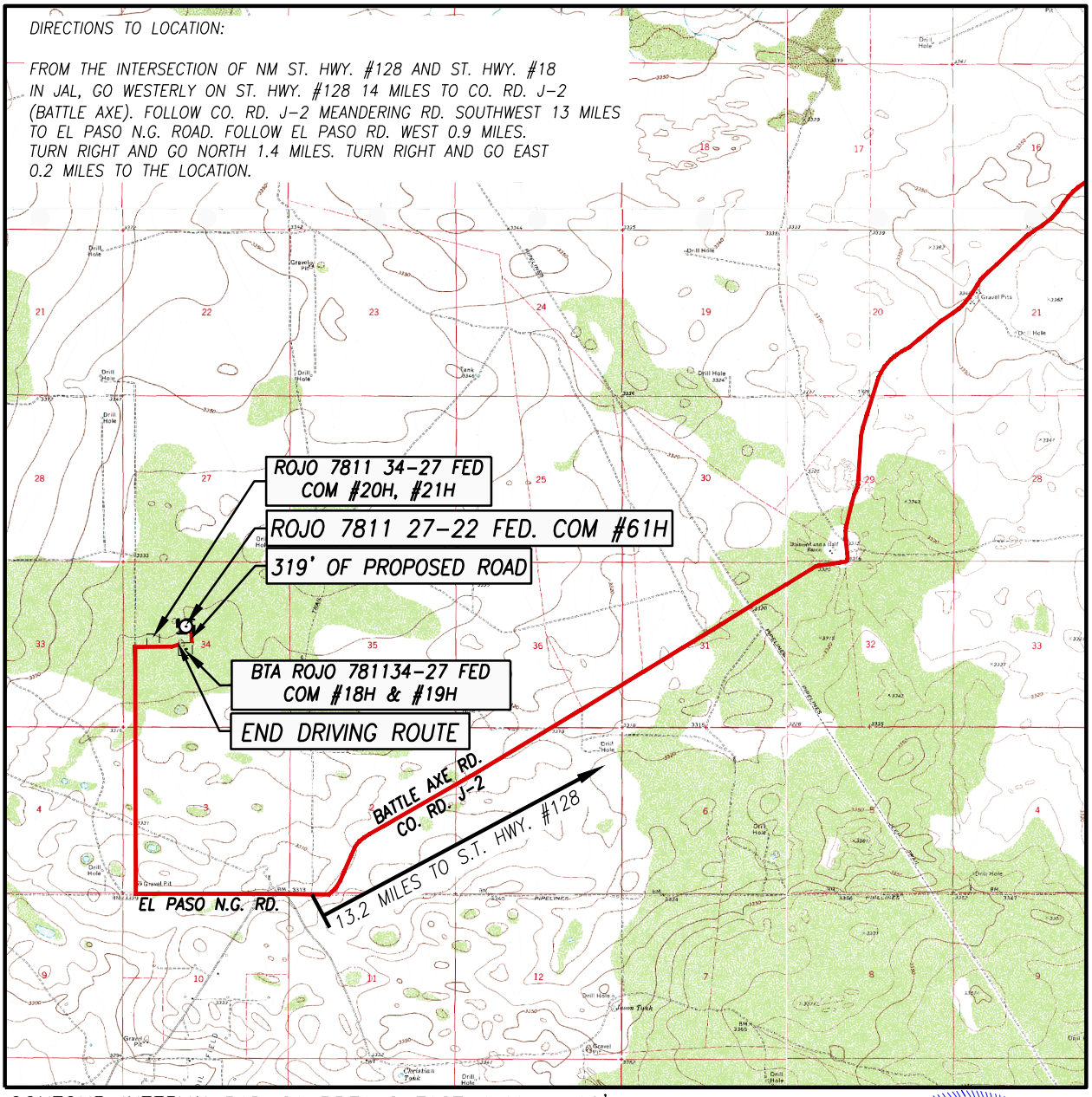
RONALD J. EIDSON Ronald J Eidson

DATE: 09/16/2020

RONALD J. EIDSON NEW MEXICO 3239 REGISTERED PROFESSIONAL SURVEYOR

PROVIDING SURVEYING SERVICES
SINCE 1946
JOHN WEST SURVEYING COMPANY
412 N. DAL PASO HOBBS, N.M. 88240
(575) 393-3117 www.jwsc.biz
TBPLS# 10021000

VICINITY, TOPOGRAPHIC AND ACCESS ROAD MAP



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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
		Red Hills ; 2nd Bone Spring Sand

Property Code	Property Name	Well Number
	ROJO 7811 34-27 FEDERAL COM	61H

OGRID No.	Operator Name	Elevation
260297	BTA OIL PRODUCERS, LLC	3326'

Surface Location

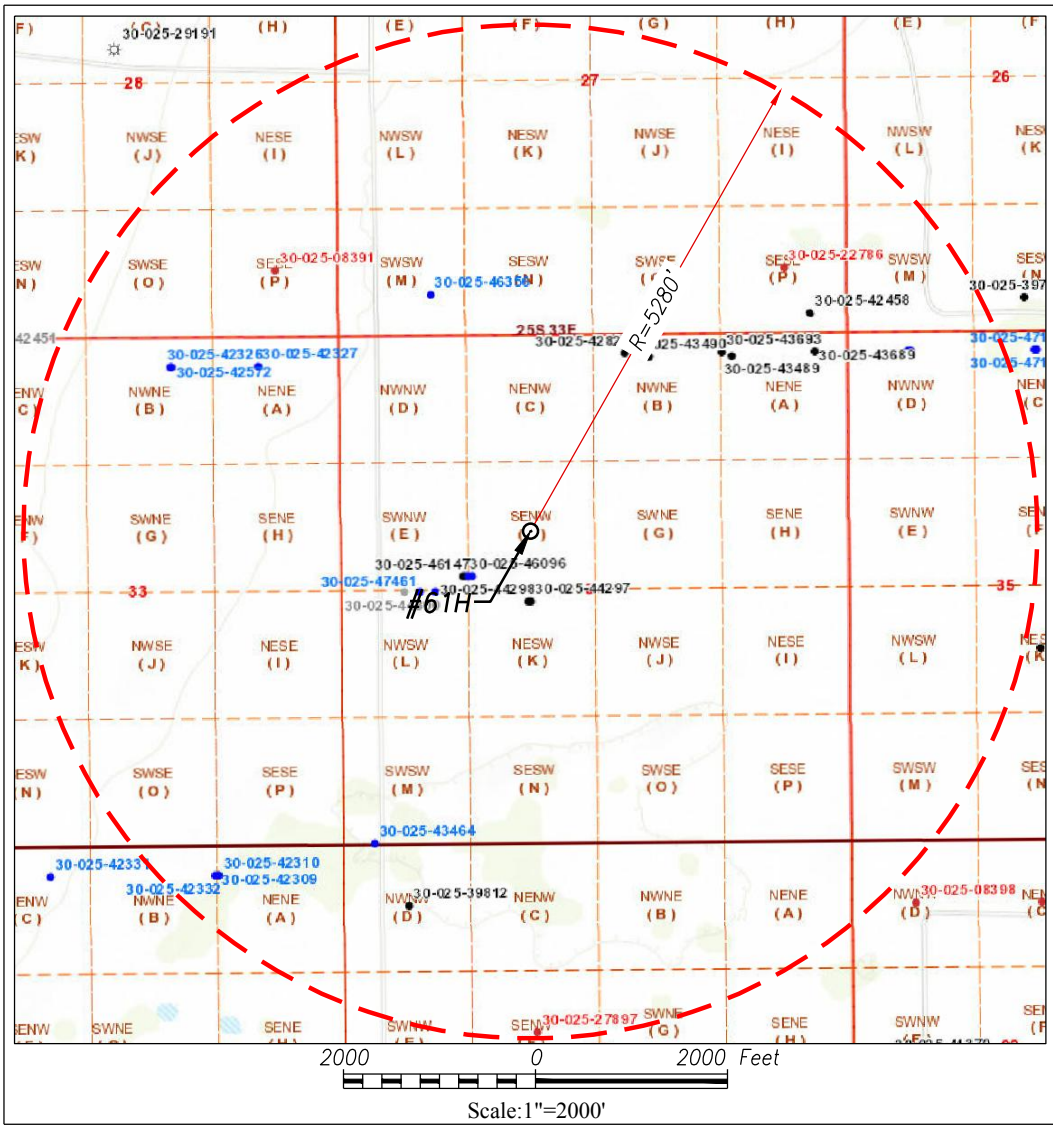
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	34	25-S	33-E		2055	NORTH	1965	WEST	LEA

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
C	27	25-S	33-E		50	NORTH	1650	WEST	LEA

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
240			

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



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LEGEND
⊙ DENOTES PROPOSED WELL

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.

JULY 20, 2020

Date of Survey

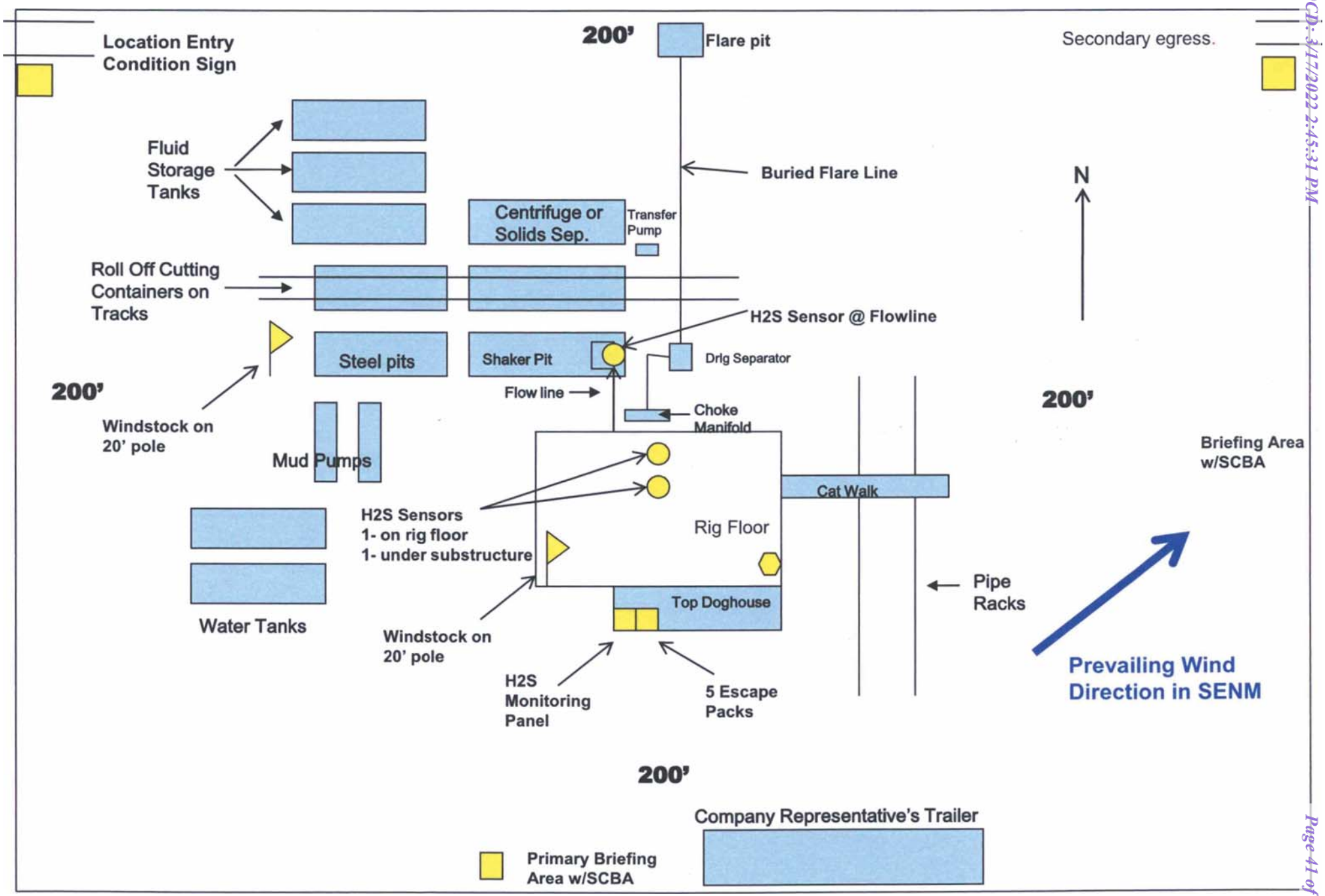
Signature & Seal of Professional Surveyor:

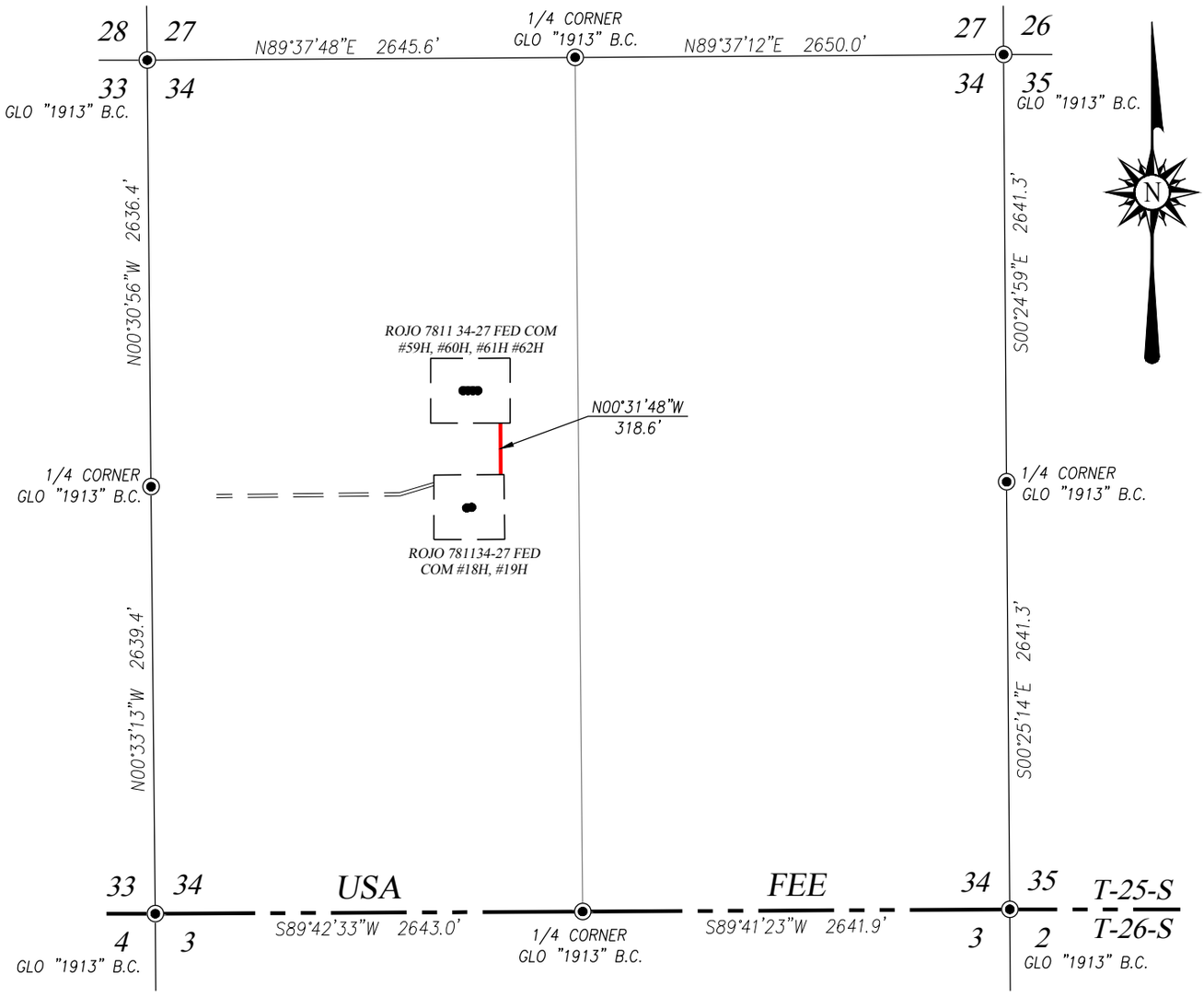
RONALD J. EIDSON
NEW MEXICO
3239
REGISTERED PROFESSIONAL SURVEYOR

Ronald J Eidson 09/16/2020

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

ACK JWSC W.O.: 20.11.0310





DESCRIPTION

SURVEY OF A STRIP OF LAND 30.0 FEET WIDE AND 318.6 FEET OR 0.060 MILES IN LENGTH CROSSING USA LAND IN SECTION 34, TOWNSHIP 25 SOUTH, RANGE 33 EAST, N.M.P.M., LEA COUNTY, NEW MEXICO, AND BEING 15.0 FEET LEFT AND 15.0 FEET RIGHT OF THE ABOVE PLATTED CENTERLINE SURVEY.

NOTE

BEARINGS SHOWN HEREON ARE MERCATOR GRID AND CONFORM TO THE NEW MEXICO COORDINATE SYSTEM "NEW MEXICO EAST ZONE" NORTH AMERICAN DATUM 1983. DISTANCES ARE SURFACE VALUES.

I, RONALD J. EIDSON, NEW MEXICO PROFESSIONAL SURVEYOR No. 3239, DO HEREBY CERTIFY THAT THIS SURVEY PLAT AND THE ACTUAL SURVEY ON THE GROUND UPON WHICH IT IS BASED WERE PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION; THAT I AM RESPONSIBLE FOR THIS SURVEY; THAT THIS SURVEY MEETS THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO; AND THAT IT IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

RONALD J. EIDSON Ronald J Eidson

DATE: 09/17/2020

RONALD J. EIDSON 3239 NEW MEXICO PROFESSIONAL SURVEYOR

LEGEND

◉ – DENOTES FOUND CORNER AS NOTED

——— – DENOTES CENTERLINE SURVEY

1000 0 1000 2000 FEET

Scale: 1"=1000'

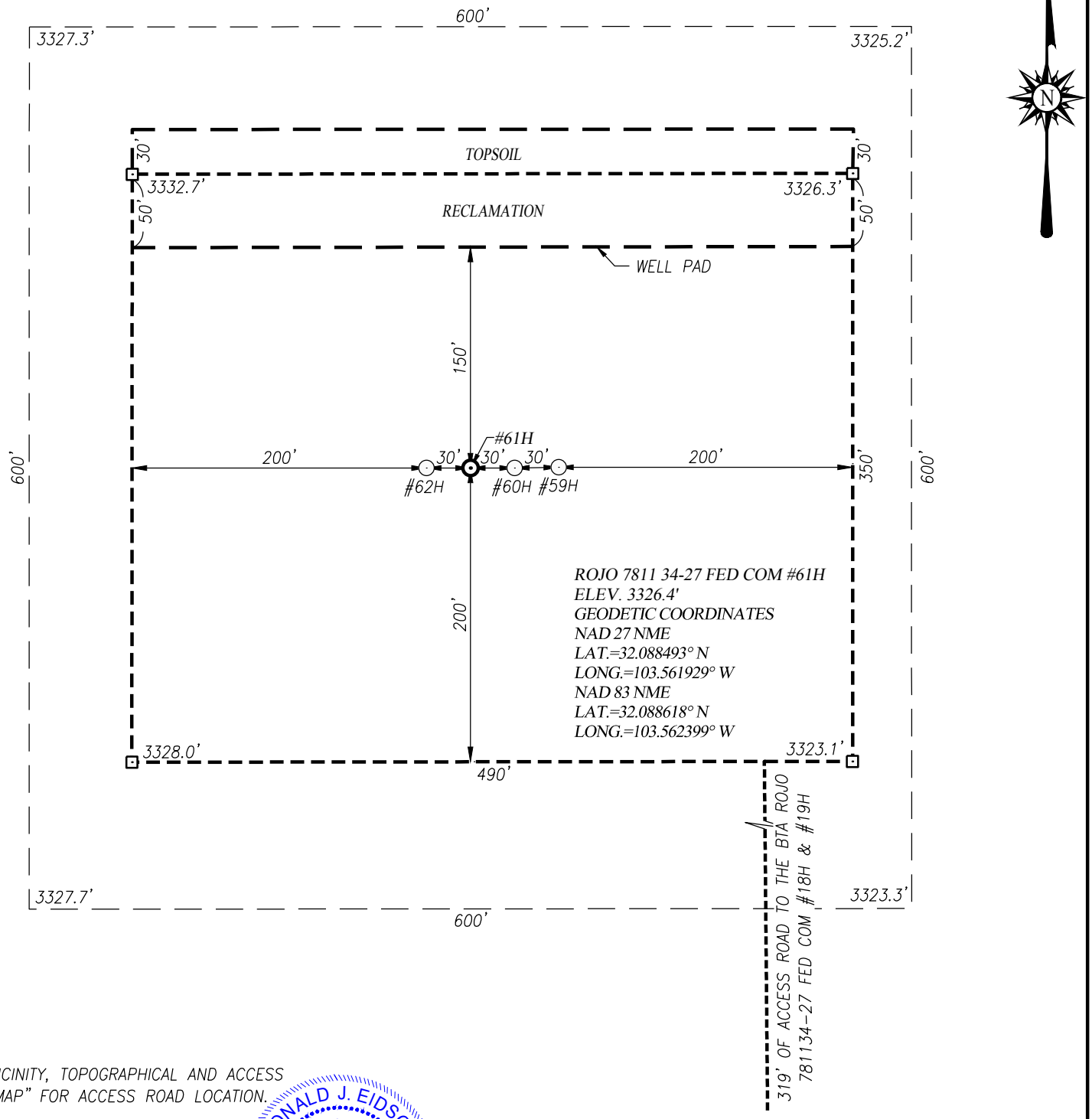
BTA OIL PRODUCERS, LLC

SURVEY FOR AN ACCESS ROAD TO THE ROJO 7811 34-27 FEDERAL COM #59H, #60H, #61H & #62H WELL PAD CROSSING SECTION 34, TOWNSHIP 25 SOUTH, RANGE 33 EAST, N.M.P.M., LEA COUNTY, NEW MEXICO

PROVIDING SURVEYING SERVICES
SINCE 1946
JOHN WEST SURVEYING COMPANY
412 N. DAL PASO HOBBS, N.M. 88240
(575) 393-3117 www.jwsc.biz
TBPLS# 10021000

Survey Date: 7/20/2020	CAD Date: 9/16/2020	Drawn By: ACK
W.O. No.: 20110308	Rev: .	Rel. W.O.:	Sheet 1 of 1

WELL SITE PLAN



NOTE:
SEE "VICINITY, TOPOGRAPHICAL AND ACCESS ROAD MAP" FOR ACCESS ROAD LOCATION.

I, RONALD J. EIDSON, NEW MEXICO PROFESSIONAL SURVEYOR No. 3239, DO HEREBY CERTIFY THAT THIS SURVEY PLAT AND THE ACTUAL SURVEY ON THE GROUND UPON WHICH IT IS BASED WERE PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION; THAT I AM RESPONSIBLE FOR THIS SURVEY; THAT THIS SURVEY MEETS THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO; AND THAT IT IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

RONALD J. EIDSON Ronald J Eidson

DATE: 09/16/2020

RONALD J. EIDSON NEW MEXICO 3239 REGISTERED PROFESSIONAL SURVEYOR

100 0 100 200 Feet

Scale: 1"=100'

BTA OIL PRODUCERS, LLC

ROJO 7811 34-27 FEDERAL COM #61H WELL LOCATED 2055 FEET FROM THE NORTH LINE AND 1965 FEET FROM THE WEST LINE OF SECTION 34, TOWNSHIP 25 SOUTH, RANGE 33 EAST, N.M.P.M., LEA COUNTY, NEW MEXICO

Survey Date: 7/20/2020	CAD Date: 9/15/2020	Drawn By: ACK
W.O. No.: 20110310	Rev: .	Rel. W.O.:	Sheet 1 of 1

PROVIDING SURVEYING SERVICES
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TBPLS# 10021000

AFMSS

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

PWD Data Report

03/14/2022

APD ID: 10400065170 **Submission Date:** 11/13/2020

Operator Name: BTA OIL PRODUCERS LLC

Well Name: ROJO 7811 34-27 FEDERAL COM **Well Number:** 61H

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 34-27 FEDERAL COM **Well Number:** 61H

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 34-27 FEDERAL COM **Well Number:** 61H

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 34-27 FEDERAL COM **Well Number:** 61H

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

03/14/2022

APD ID: 10400065170

Submission Date: 11/13/2020

Operator Name: BTA OIL PRODUCERS LLC

Well Name: ROJO 7811 34-27 FEDERAL COM

Well Number: 61H

Well Type: OIL WELL

Well Work Type: Drill

Highlighted data reflects the most recent changes

Show Final Text

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:** 3 / 15 / 2022

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 34-27 FEDERAL COM 61H	30-025-49918	F-34-25S-33E	2055 FNL, 1965 FWL	+/- 800	+/- 2000	+/- 1200

IV. Central Delivery Point Name: Rojo 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 34-27 FEDERAL COM 61H	30-025-49918	8/15/2022	9/4/2022	9/18/2022	10/9/2022	11/8/2022

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:	
Printed Name:	Sammy Hajar
Title:	Regulatory Analyst
E-mail Address:	SHAJAR@BTAOIL.COM
Date:	3/15/2022
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 91136

CONDITIONS

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 91136
	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	3/24/2022
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	3/24/2022
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	3/24/2022
pkautz	Cement is required to circulate on both surface and intermediate1 strings of casing	3/24/2022