

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources

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

EMNRD-OCD ARTESIA Form C-104
REC'D: 05/06/2020 Revised August 1, 2011

Submit one copy to appropriate District Office

☒ **AMENDED REPORT**

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address BTA OIL PRODUCERS, LLC		² OGRID Number 260297	
		³ Reason for Filing Code/ Effective Date NEW WELL 1/6/2020	
⁴ API Number 30 –015-45945	⁵ Pool Name PURPLE SAGE (WOLFCAMP)		⁶ Pool Code 98820
⁷ Property Code 325477	⁸ Property Name PARDUE 8808		⁹ Well Number 4H

II. ¹⁰ Surface Location

UL or lot no. D	Section 11	Township 23S	Range 28E	Lot Idn	Feet from the 220	North/South Line NORTH	Feet from the 1125	East/West line WEST	County EDDY
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¹¹ Bottom Hole Location

UL or lot no. N	Section 11	Township 23S	Range 28E	Lot Idn	Feet from the 46.9	North/South line SOUTH	Feet from the 2298.8	East/West line WEST	County EDDY
¹² Lse Code 325477	¹³ Producing Method Code F F		¹⁴ Gas Connection Date 2/14/2020		¹⁵ C-129 Permit Number		¹⁶ C-129 Effective Date		¹⁷ C-129 Expiration Date

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
214984	PLAINS MARKETING LP P O BOX 4648 HOUSTON, TX 77210-4648	O
	SENDERO CARLSBAD MIDSTREAM, LLC 1000 LOUISIANA AVE., SUITE 6900 HOUSTON, TX. 77002	G

IV. Well Completion Data

²¹ Spud Date 7/30/2019	²² Ready Date 1/6/2020	²³ TD 14,660'	²⁴ PBDT 14,606'	²⁵ Perforations 9,780-14,370	²⁶ DHC, MC
²⁷ Hole Size		²⁸ Casing & Tubing Size		²⁹ Depth Set	
17 ½"		13 3/8"		535'	
12 ¼"		9 5/8"		2,618'	
8 ¾"		7"		9,966'	
6 1/8"		4 ½"		9,187-14,657	
				370	

V. Well Test Data

³¹ Date New Oil 1/06/2020	³² Gas Delivery Date 1/08//2020	³³ Test Date 1/10/2020	³⁴ Test Length 24 hour	³⁵ Tbg. Pressure 2250	³⁶ Csg. Pressure 2100
³⁷ Choke Size 34/64	³⁸ Oil 1230	³⁹ Water 3022	⁴⁰ Gas 3014	2400	⁴¹ Test Method FLOWING
⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Signature: <i>Katy Reddell</i>			OIL CONSERVATION DIVISION Approved by:		
Printed name: KATY REDDELL			Title:		
REGULATORY ANALYST			Approval Date:		
E-mail Address: Kreddell@btaoil			<i>Revise highlighted areas. See attached for revisions. refer to well files online. Re-submit the entire packet via e docs when complete.</i>		
Date:2/28/2020	Phone: 432-682-3753				

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: (505) 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

EMNRD-OC D ARTESIA Form C-102
REC'D: 05/06/2020
Revised August 1, 2011
Submit one copy to appropriate
District Office

X AMENDED REPORT
AS-DRILLED PLAT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-45945	Pool Code 98820	Pool Name PURPLE SAGE (WOLFCAMP)
Property Code 325477	Property Name PARDUE 8808	Well Number 4H
OGRID No. 260297	Operator Name BTA OIL PRODUCERS, LLC	Elevation 2996'

Surface Location

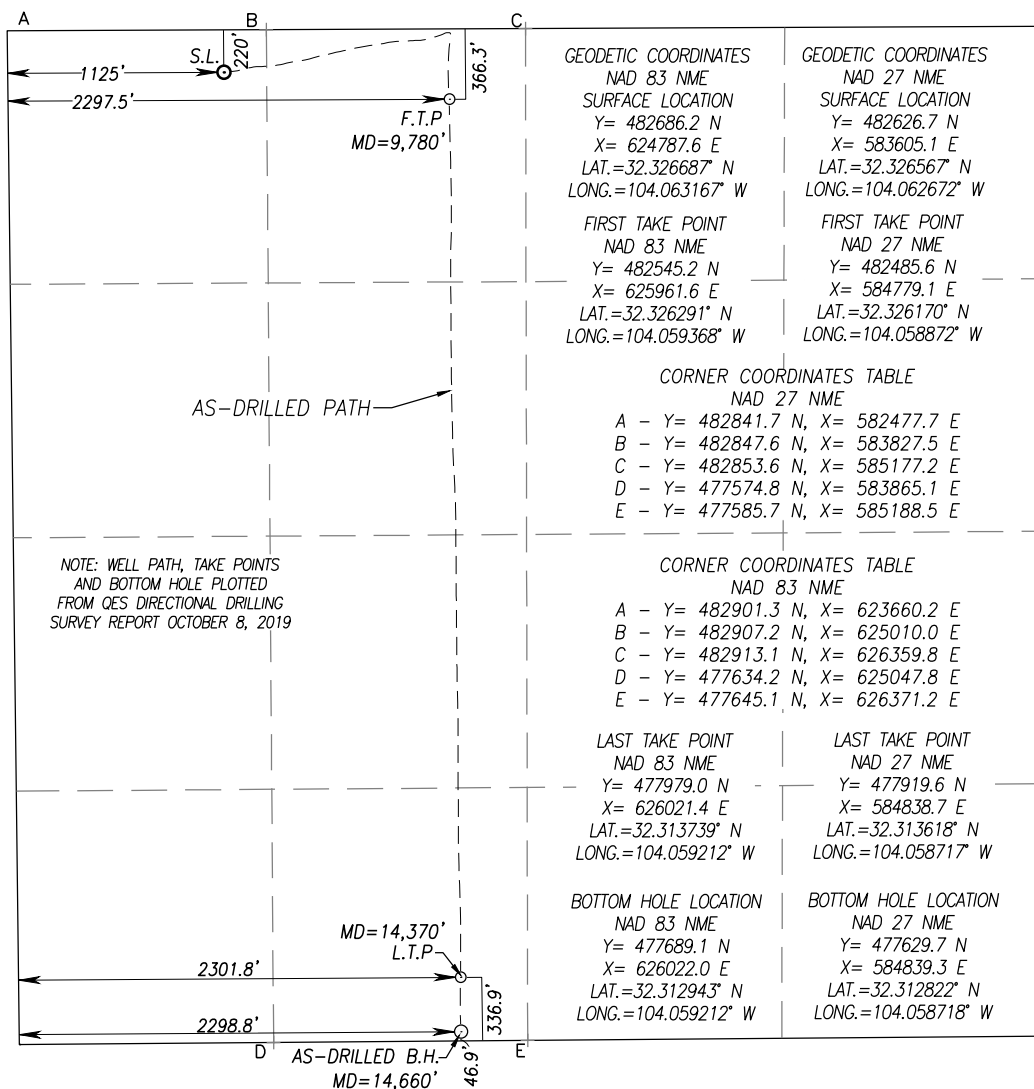
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	11	23-S	28-E		220	NORTH	1125	WEST	EDDY

AS- Drilled 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
N	11	23-S	28-E		46.9	SOUTH	2298.8	WEST	EDDY
Dedicated Acres 320	Joint or Infill	Consolidation Code	Order No.						

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

AS-DRILLED PLAT



GEODETIC COORDINATES NAD 83 NME SURFACE LOCATION Y= 482686.2 N X= 624787.6 E LAT.=32.326687° N LONG.=104.063167° W FIRST TAKE POINT NAD 83 NME Y= 482545.2 N X= 625961.6 E LAT.=32.326291° N LONG.=104.059368° W	GEODETIC COORDINATES NAD 27 NME SURFACE LOCATION Y= 482626.7 N X= 583605.1 E LAT.=32.326567° N LONG.=104.062672° W FIRST TAKE POINT NAD 27 NME Y= 482485.6 N X= 584779.1 E LAT.=32.326170° N LONG.=104.058872° W
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CORNER COORDINATES TABLE
NAD 27 NME

A - Y= 482841.7 N, X= 582477.7 E
B - Y= 482847.6 N, X= 583827.5 E
C - Y= 482853.6 N, X= 585177.2 E
D - Y= 477574.8 N, X= 583865.1 E
E - Y= 477585.7 N, X= 585188.5 E

CORNER COORDINATES TABLE
NAD 83 NME

A - Y= 482901.3 N, X= 623660.2 E
B - Y= 482907.2 N, X= 625010.0 E
C - Y= 482913.1 N, X= 626359.8 E
D - Y= 477634.2 N, X= 625047.8 E
E - Y= 477645.1 N, X= 626371.2 E

LAST TAKE POINT NAD 83 NME Y= 477979.0 N X= 626021.4 E LAT.=32.313739° N LONG.=104.059212° W	LAST TAKE POINT NAD 27 NME Y= 477919.6 N X= 584838.7 E LAT.=32.313618° N LONG.=104.058717° W
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BOTTOM HOLE LOCATION NAD 83 NME Y= 477689.1 N X= 626022.0 E LAT.=32.312943° N LONG.=104.059212° W	BOTTOM HOLE LOCATION NAD 27 NME Y= 477629.7 N X= 584839.3 E LAT.=32.312822° N LONG.=104.058718° W
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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.

Katy Reddell 03/02/2020

Signature Date

KATY REDDELL

Printed Name

kreddell@btaoil.com

E-mail Address

SURVEYOR CERTIFICATION

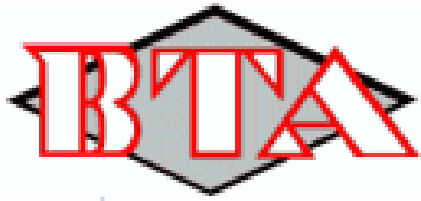
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

FEBRUARY 26, 2019

Date of Survey
Signature & Seal of Professional Surveyor:

RONALD J. EIDSON
NEW MEXICO
REGISTERED SURVEYOR
3239
Certificate Number
Gary G. Eidson 12641
Ronald J. Eidson 3239

LSL REL.19.11.0215 JWSC W.O.: 20.13.0011



BTA Oil Producers, LLC

Eddy County, New Mexico (NAD 83)

Sec 11, T23-S, R28-E

Pardue 8808 #4H

Wellbore #1

Design: Wellbore #1

Survey Report - Geographic

08 October, 2019



QES
Survey Report - Geographic



Company:	BTA Oil Producers, LLC	Local Co-ordinate Reference:	Well Pardue 8808 #4H
Project:	Eddy County, New Mexico (NAD 83)	TVD Reference:	WELL @ 3021.0usft (Patterson #597)
Site:	Sec 11, T23-S, R28-E	MD Reference:	WELL @ 3021.0usft (Patterson #597)
Well:	Pardue 8808 #4H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 Single User Db

Project	Eddy County, New Mexico (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 11, T23-S, R28-E			
Site Position:		Northing:	482,685.90 usft	Latitude:	32° 19' 36.073 N
From:	Map	Easting:	624,697.70 usft	Longitude:	104° 3' 48.450 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.14 °

Well	Pardue 8808 #4H					
Well Position	+N/-S	0.0 usft	Northing:	482,686.20 usft	Latitude:	32° 19' 36.074 N
	+E/-W	0.0 usft	Easting:	624,787.60 usft	Longitude:	104° 3' 47.402 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	usft	Ground Level:	2,996.0 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	9/30/2019	7.08	60.05	47,881.60000000

Design	Wellbore #1				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.0	0.0	0.0	166.10	

Survey Program	Date	10/8/2019			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
145.0	14,660.0	QES MWD Surveys (Wellbore #1)	OWSG (Rev2) MWD	OWSG MWD - Standard	

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	482,686.20	624,787.60	32° 19' 36.074 N	104° 3' 47.402 W
145.0	2.00	86.20	145.0	0.2	2.5	482,686.37	624,790.13	32° 19' 36.076 N	104° 3' 47.373 W
First MWD Survey @ 145.0' MD / 145.0' TVD									
234.0	1.80	94.50	233.9	0.2	5.5	482,686.36	624,793.07	32° 19' 36.076 N	104° 3' 47.338 W
323.0	1.40	106.40	322.9	-0.3	7.9	482,685.95	624,795.51	32° 19' 36.071 N	104° 3' 47.310 W
412.0	1.30	128.20	411.9	-1.2	9.7	482,685.01	624,797.34	32° 19' 36.062 N	104° 3' 47.288 W
504.0	1.30	165.00	503.8	-2.8	10.8	482,683.36	624,798.44	32° 19' 36.046 N	104° 3' 47.276 W
544.0	1.40	165.10	543.8	-3.8	11.1	482,682.45	624,798.68	32° 19' 36.037 N	104° 3' 47.273 W
633.0	1.80	83.00	632.8	-4.6	12.7	482,681.57	624,800.35	32° 19' 36.028 N	104° 3' 47.254 W
695.0	3.70	67.90	694.7	-3.8	15.6	482,682.44	624,803.17	32° 19' 36.037 N	104° 3' 47.221 W
790.0	5.80	67.40	789.4	-0.8	22.8	482,685.44	624,810.44	32° 19' 36.066 N	104° 3' 47.136 W
883.0	7.70	80.20	881.8	2.1	33.3	482,688.31	624,820.92	32° 19' 36.094 N	104° 3' 47.014 W



QES
Survey Report - Geographic



Company:	BTA Oil Producers, LLC	Local Co-ordinate Reference:	Well Pardue 8808 #4H
Project:	Eddy County, New Mexico (NAD 83)	TVD Reference:	WELL @ 3021.0usft (Patterson #597)
Site:	Sec 11, T23-S, R28-E	MD Reference:	WELL @ 3021.0usft (Patterson #597)
Well:	Pardue 8808 #4H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 Single User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
978.0	8.50	84.30	975.8	3.9	46.6	482,690.09	624,834.18	32° 19' 36.111 N	104° 3' 46.859 W
1,073.0	7.40	82.00	1,069.9	5.4	59.6	482,691.64	624,847.22	32° 19' 36.126 N	104° 3' 46.707 W
1,167.0	9.10	77.20	1,162.9	7.9	72.9	482,694.12	624,860.46	32° 19' 36.151 N	104° 3' 46.553 W
1,262.0	9.70	76.50	1,256.6	11.5	88.0	482,697.66	624,875.57	32° 19' 36.185 N	104° 3' 46.376 W
1,356.0	8.80	76.20	1,349.4	15.0	102.7	482,701.22	624,890.26	32° 19' 36.220 N	104° 3' 46.205 W
1,451.0	8.30	75.80	1,443.4	18.4	116.4	482,704.64	624,903.96	32° 19' 36.254 N	104° 3' 46.045 W
1,546.0	7.40	76.00	1,537.5	21.6	128.9	482,707.80	624,916.54	32° 19' 36.285 N	104° 3' 45.899 W
1,641.0	8.70	78.60	1,631.5	24.5	141.9	482,710.70	624,929.52	32° 19' 36.313 N	104° 3' 45.747 W
1,736.0	9.30	80.60	1,725.4	27.2	156.5	482,713.37	624,944.14	32° 19' 36.339 N	104° 3' 45.577 W
1,831.0	8.80	84.30	1,819.2	29.1	171.3	482,715.35	624,958.94	32° 19' 36.358 N	104° 3' 45.404 W
1,926.0	8.40	89.90	1,913.1	29.9	185.5	482,716.08	624,973.11	32° 19' 36.365 N	104° 3' 45.239 W
2,021.0	7.70	90.10	2,007.2	29.9	198.8	482,716.08	624,986.42	32° 19' 36.365 N	104° 3' 45.084 W
2,116.0	8.80	84.80	2,101.2	30.5	212.4	482,716.73	625,000.02	32° 19' 36.371 N	104° 3' 44.925 W
2,211.0	9.50	87.40	2,195.0	31.5	227.5	482,717.75	625,015.09	32° 19' 36.381 N	104° 3' 44.750 W
2,306.0	8.90	90.60	2,288.8	31.8	242.7	482,718.02	625,030.27	32° 19' 36.383 N	104° 3' 44.573 W
2,401.0	9.10	81.30	2,382.6	32.9	257.4	482,719.08	625,045.04	32° 19' 36.393 N	104° 3' 44.401 W
2,496.0	8.70	79.50	2,476.5	35.3	271.9	482,721.53	625,059.54	32° 19' 36.417 N	104° 3' 44.232 W
2,563.0	7.80	81.80	2,542.8	36.9	281.4	482,723.10	625,069.02	32° 19' 36.432 N	104° 3' 44.121 W
2,664.0	8.90	77.40	2,642.7	39.6	295.8	482,725.78	625,083.43	32° 19' 36.458 N	104° 3' 43.953 W
2,759.0	9.80	76.00	2,736.4	43.1	310.8	482,729.34	625,098.44	32° 19' 36.493 N	104° 3' 43.778 W
2,854.0	10.60	77.60	2,829.9	47.0	327.2	482,733.17	625,114.82	32° 19' 36.531 N	104° 3' 43.587 W
2,950.0	11.40	78.80	2,924.2	50.7	345.1	482,736.91	625,132.75	32° 19' 36.567 N	104° 3' 43.378 W
3,045.0	12.00	79.20	3,017.2	54.4	364.1	482,740.59	625,151.66	32° 19' 36.603 N	104° 3' 43.157 W
3,140.0	12.60	82.20	3,110.0	57.6	384.0	482,743.84	625,171.63	32° 19' 36.635 N	104° 3' 42.925 W
3,235.0	12.90	84.10	3,202.7	60.1	404.8	482,746.34	625,192.45	32° 19' 36.659 N	104° 3' 42.682 W
3,328.0	13.60	75.70	3,293.2	63.9	425.8	482,750.11	625,213.37	32° 19' 36.696 N	104° 3' 42.438 W
3,423.0	14.40	74.10	3,385.4	69.9	448.0	482,756.10	625,235.55	32° 19' 36.755 N	104° 3' 42.179 W
3,517.0	12.10	74.60	3,476.9	75.7	468.7	482,761.92	625,256.30	32° 19' 36.812 N	104° 3' 41.937 W
3,612.0	11.60	75.80	3,569.8	80.7	487.6	482,766.91	625,275.16	32° 19' 36.861 N	104° 3' 41.717 W
3,707.0	12.00	76.70	3,662.8	85.3	506.4	482,771.53	625,294.03	32° 19' 36.906 N	104° 3' 41.497 W
3,801.0	12.60	78.50	3,754.7	89.6	526.0	482,775.82	625,313.58	32° 19' 36.948 N	104° 3' 41.269 W
3,896.0	13.50	78.60	3,847.2	93.9	547.0	482,780.08	625,334.61	32° 19' 36.989 N	104° 3' 41.024 W
3,991.0	11.80	75.70	3,939.9	98.5	567.3	482,784.67	625,354.89	32° 19' 37.034 N	104° 3' 40.787 W
4,086.0	12.00	75.10	4,032.9	103.4	586.2	482,789.61	625,373.85	32° 19' 37.083 N	104° 3' 40.566 W
4,181.0	12.00	76.40	4,125.8	108.3	605.4	482,794.47	625,392.99	32° 19' 37.130 N	104° 3' 40.343 W
4,276.0	12.80	78.10	4,218.6	112.8	625.3	482,798.96	625,412.89	32° 19' 37.174 N	104° 3' 40.111 W
4,372.0	12.10	77.90	4,312.3	117.1	645.5	482,803.26	625,433.13	32° 19' 37.216 N	104° 3' 39.875 W
4,466.0	12.50	78.10	4,404.2	121.2	665.1	482,807.42	625,452.72	32° 19' 37.257 N	104° 3' 39.647 W
4,561.0	13.40	78.30	4,496.7	125.6	686.0	482,811.78	625,473.56	32° 19' 37.300 N	104° 3' 39.404 W
4,656.0	11.60	78.50	4,589.5	129.7	706.1	482,815.91	625,493.70	32° 19' 37.340 N	104° 3' 39.169 W
4,750.0	11.50	79.20	4,681.6	133.4	724.6	482,819.55	625,512.16	32° 19' 37.376 N	104° 3' 38.953 W
4,845.0	11.30	80.20	4,774.7	136.7	743.0	482,822.91	625,530.64	32° 19' 37.408 N	104° 3' 38.738 W
4,941.0	11.30	82.00	4,868.9	139.6	761.6	482,825.82	625,549.22	32° 19' 37.437 N	104° 3' 38.521 W
5,034.0	11.60	83.40	4,960.0	142.0	779.9	482,828.16	625,567.53	32° 19' 37.459 N	104° 3' 38.308 W
5,128.0	11.90	84.60	5,052.0	144.0	799.0	482,830.16	625,586.57	32° 19' 37.479 N	104° 3' 38.086 W
5,223.0	9.70	78.30	5,145.3	146.5	816.6	482,832.71	625,604.16	32° 19' 37.503 N	104° 3' 37.881 W
5,318.0	9.40	78.30	5,239.0	149.7	832.0	482,835.90	625,619.59	32° 19' 37.535 N	104° 3' 37.701 W
5,412.0	9.10	79.50	5,331.8	152.6	846.8	482,838.82	625,634.42	32° 19' 37.563 N	104° 3' 37.528 W
5,507.0	9.00	80.40	5,425.6	155.2	861.5	482,841.42	625,649.13	32° 19' 37.589 N	104° 3' 37.357 W
5,600.0	8.40	81.80	5,517.6	157.4	875.4	482,843.61	625,663.03	32° 19' 37.610 N	104° 3' 37.194 W
5,695.0	8.50	83.90	5,611.5	159.1	889.3	482,845.34	625,676.88	32° 19' 37.627 N	104° 3' 37.033 W
5,789.0	8.50	85.00	5,704.5	160.5	903.1	482,846.69	625,690.70	32° 19' 37.640 N	104° 3' 36.872 W
5,883.0	8.40	87.40	5,797.5	161.4	916.9	482,847.60	625,704.48	32° 19' 37.648 N	104° 3' 36.711 W
5,978.0	8.50	89.40	5,891.4	161.8	930.8	482,847.99	625,718.44	32° 19' 37.652 N	104° 3' 36.549 W
6,073.0	8.40	90.60	5,985.4	161.8	944.8	482,847.99	625,732.40	32° 19' 37.651 N	104° 3' 36.386 W



QES
Survey Report - Geographic



Company:	BTA Oil Producers, LLC	Local Co-ordinate Reference:	Well Pardue 8808 #4H
Project:	Eddy County, New Mexico (NAD 83)	TVD Reference:	WELL @ 3021.0usft (Patterson #597)
Site:	Sec 11, T23-S, R28-E	MD Reference:	WELL @ 3021.0usft (Patterson #597)
Well:	Pardue 8808 #4H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 Single User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
6,167.0	8.40	84.80	6,078.4	162.3	958.5	482,848.54	625,746.10	32° 19' 37.657 N	104° 3' 36.226 W
6,262.0	8.50	84.10	6,172.4	163.7	972.4	482,849.89	625,759.99	32° 19' 37.670 N	104° 3' 36.064 W
6,357.0	7.80	84.40	6,266.4	165.0	985.8	482,851.24	625,773.39	32° 19' 37.683 N	104° 3' 35.908 W
6,452.0	6.80	86.90	6,360.6	166.0	997.8	482,852.18	625,785.42	32° 19' 37.692 N	104° 3' 35.768 W
6,547.0	6.00	89.00	6,455.0	166.4	1,008.4	482,852.57	625,796.01	32° 19' 37.695 N	104° 3' 35.644 W
6,642.0	4.60	94.60	6,549.6	166.1	1,017.2	482,852.35	625,804.77	32° 19' 37.693 N	104° 3' 35.542 W
6,737.0	5.70	83.90	6,644.3	166.3	1,025.7	482,852.54	625,813.26	32° 19' 37.694 N	104° 3' 35.443 W
6,832.0	5.70	83.40	6,738.8	167.4	1,035.0	482,853.59	625,822.63	32° 19' 37.705 N	104° 3' 35.334 W
6,927.0	6.90	80.20	6,833.2	168.9	1,045.3	482,855.10	625,832.94	32° 19' 37.719 N	104° 3' 35.214 W
7,022.0	4.90	77.80	6,927.7	170.7	1,054.9	482,856.93	625,842.53	32° 19' 37.737 N	104° 3' 35.102 W
7,116.0	5.90	69.00	7,021.3	173.3	1,063.4	482,859.51	625,850.97	32° 19' 37.762 N	104° 3' 35.004 W
7,211.0	6.20	67.90	7,115.8	177.0	1,072.7	482,863.19	625,860.28	32° 19' 37.799 N	104° 3' 34.895 W
7,306.0	6.50	73.90	7,210.2	180.4	1,082.6	482,866.61	625,870.20	32° 19' 37.832 N	104° 3' 34.779 W
7,400.0	6.10	82.30	7,303.6	182.6	1,092.7	482,868.76	625,880.26	32° 19' 37.853 N	104° 3' 34.662 W
7,495.0	6.90	73.50	7,398.0	184.9	1,103.1	482,871.05	625,890.73	32° 19' 37.876 N	104° 3' 34.540 W
7,587.0	6.80	71.30	7,489.3	188.2	1,113.6	482,874.37	625,901.19	32° 19' 37.908 N	104° 3' 34.418 W
7,682.0	5.80	77.10	7,583.8	191.0	1,123.6	482,877.24	625,911.20	32° 19' 37.936 N	104° 3' 34.301 W
7,778.0	5.80	67.60	7,679.3	194.0	1,132.8	482,880.17	625,920.41	32° 19' 37.965 N	104° 3' 34.194 W
7,873.0	5.00	59.70	7,773.9	197.9	1,140.8	482,884.09	625,928.42	32° 19' 38.004 N	104° 3' 34.100 W
7,968.0	4.40	62.60	7,868.5	201.7	1,147.6	482,887.86	625,935.23	32° 19' 38.041 N	104° 3' 34.021 W
8,063.0	4.70	75.50	7,963.2	204.3	1,154.6	482,890.51	625,942.24	32° 19' 38.067 N	104° 3' 33.939 W
8,157.0	3.70	83.20	8,057.0	205.6	1,161.4	482,891.83	625,948.98	32° 19' 38.080 N	104° 3' 33.860 W
8,252.0	1.90	90.60	8,151.9	206.0	1,166.0	482,892.18	625,953.60	32° 19' 38.083 N	104° 3' 33.807 W
8,347.0	2.00	105.00	8,246.8	205.5	1,169.2	482,891.73	625,956.77	32° 19' 38.079 N	104° 3' 33.770 W
8,442.0	2.40	69.90	8,341.8	205.8	1,172.6	482,891.99	625,960.24	32° 19' 38.081 N	104° 3' 33.729 W
8,537.0	1.30	81.80	8,436.7	206.6	1,175.6	482,892.83	625,963.18	32° 19' 38.089 N	104° 3' 33.695 W
8,631.0	1.00	121.70	8,530.7	206.3	1,177.3	482,892.55	625,964.93	32° 19' 38.086 N	104° 3' 33.674 W
8,727.0	1.40	138.80	8,626.7	205.0	1,178.8	482,891.22	625,966.42	32° 19' 38.073 N	104° 3' 33.657 W
8,822.0	1.80	141.40	8,721.6	203.0	1,180.5	482,889.19	625,968.11	32° 19' 38.053 N	104° 3' 33.637 W
8,916.0	2.10	165.00	8,815.6	200.2	1,181.9	482,886.37	625,969.48	32° 19' 38.025 N	104° 3' 33.622 W
9,010.0	2.30	176.40	8,909.5	196.6	1,182.4	482,882.82	625,970.04	32° 19' 37.990 N	104° 3' 33.615 W
9,106.0	2.30	189.20	9,005.4	192.8	1,182.3	482,879.00	625,969.86	32° 19' 37.952 N	104° 3' 33.617 W
9,145.0	2.20	192.20	9,044.4	191.3	1,182.0	482,877.49	625,969.57	32° 19' 37.937 N	104° 3' 33.621 W
9,227.0	5.30	188.70	9,126.2	186.0	1,181.1	482,872.21	625,968.67	32° 19' 37.885 N	104° 3' 33.631 W
9,322.0	20.50	186.90	9,218.5	165.0	1,178.4	482,851.24	625,965.99	32° 19' 37.678 N	104° 3' 33.663 W
9,417.0	29.40	184.30	9,304.6	125.2	1,174.6	482,811.39	625,962.23	32° 19' 37.283 N	104° 3' 33.708 W
9,510.0	42.00	181.70	9,380.0	71.1	1,172.0	482,757.30	625,959.59	32° 19' 36.748 N	104° 3' 33.741 W
9,606.0	48.90	181.50	9,447.3	2.8	1,170.1	482,688.96	625,957.69	32° 19' 36.072 N	104° 3' 33.765 W
9,695.0	55.80	177.60	9,501.6	-67.6	1,170.7	482,618.56	625,958.35	32° 19' 35.375 N	104° 3' 33.759 W
9,739.2	59.53	176.55	9,525.3	-104.9	1,172.7	482,581.27	625,960.26	32° 19' 35.006 N	104° 3' 33.738 W
330' HL Crossed @ 9739.2' MD / 9525.3' TVD									
9,746.0	60.10	176.40	9,528.7	-110.8	1,173.0	482,575.41	625,960.62	32° 19' 34.948 N	104° 3' 33.734 W
9,840.0	66.40	178.80	9,571.0	-194.6	1,176.5	482,491.59	625,964.09	32° 19' 34.119 N	104° 3' 33.696 W
9,934.0	69.90	179.40	9,606.0	-281.8	1,177.8	482,404.37	625,965.45	32° 19' 33.256 N	104° 3' 33.683 W
10,029.0	73.40	178.30	9,635.9	-372.0	1,179.7	482,314.23	625,967.27	32° 19' 32.364 N	104° 3' 33.664 W
10,123.0	84.70	178.50	9,653.7	-464.1	1,182.2	482,222.13	625,969.84	32° 19' 31.452 N	104° 3' 33.637 W
10,217.0	88.30	179.00	9,659.4	-557.9	1,184.3	482,128.34	625,971.89	32° 19' 30.524 N	104° 3' 33.616 W
10,311.0	88.80	179.20	9,661.8	-651.8	1,185.8	482,034.38	625,973.36	32° 19' 29.594 N	104° 3' 33.602 W
10,405.0	92.00	180.10	9,661.1	-745.8	1,186.3	481,940.40	625,973.94	32° 19' 28.664 N	104° 3' 33.598 W
10,500.0	94.40	180.90	9,655.8	-840.6	1,185.5	481,845.56	625,973.11	32° 19' 27.725 N	104° 3' 33.610 W
10,595.0	91.50	181.70	9,651.0	-935.5	1,183.4	481,750.72	625,970.96	32° 19' 26.787 N	104° 3' 33.638 W
10,689.0	90.20	179.70	9,649.6	-1,029.5	1,182.2	481,656.74	625,969.81	32° 19' 25.857 N	104° 3' 33.654 W
10,783.0	88.50	179.40	9,650.6	-1,123.4	1,182.9	481,562.76	625,970.55	32° 19' 24.927 N	104° 3' 33.649 W
10,878.0	88.90	179.40	9,652.8	-1,218.4	1,183.9	481,467.79	625,971.54	32° 19' 23.987 N	104° 3' 33.640 W
10,972.0	90.00	179.70	9,653.7	-1,312.4	1,184.7	481,373.80	625,972.28	32° 19' 23.057 N	104° 3' 33.634 W



QES
Survey Report - Geographic



Company:	BTA Oil Producers, LLC	Local Co-ordinate Reference:	Well Pardue 8808 #4H
Project:	Eddy County, New Mexico (NAD 83)	TVD Reference:	WELL @ 3021.0usft (Patterson #597)
Site:	Sec 11, T23-S, R28-E	MD Reference:	WELL @ 3021.0usft (Patterson #597)
Well:	Pardue 8808 #4H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 Single User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
11,066.0	90.60	179.70	9,653.2	-1,406.4	1,185.2	481,279.80	625,972.77	32° 19' 22.127 N	104° 3' 33.631 W
11,161.0	90.90	179.50	9,651.9	-1,501.4	1,185.8	481,184.81	625,973.43	32° 19' 21.187 N	104° 3' 33.626 W
11,255.0	88.40	179.20	9,652.5	-1,595.4	1,186.9	481,090.82	625,974.50	32° 19' 20.257 N	104° 3' 33.617 W
11,350.0	90.50	179.20	9,653.4	-1,690.4	1,188.2	480,995.84	625,975.83	32° 19' 19.317 N	104° 3' 33.604 W
11,444.0	90.90	178.50	9,652.3	-1,784.3	1,190.1	480,901.87	625,977.71	32° 19' 18.387 N	104° 3' 33.585 W
11,539.0	92.20	178.70	9,649.7	-1,879.3	1,192.4	480,806.93	625,980.03	32° 19' 17.447 N	104° 3' 33.561 W
11,633.0	87.90	178.00	9,649.6	-1,973.2	1,195.1	480,713.00	625,982.74	32° 19' 16.518 N	104° 3' 33.532 W
11,728.0	85.60	177.10	9,655.0	-2,068.0	1,199.2	480,618.24	625,986.79	32° 19' 15.580 N	104° 3' 33.487 W
11,822.0	88.10	177.40	9,660.2	-2,161.7	1,203.7	480,524.50	625,991.29	32° 19' 14.652 N	104° 3' 33.438 W
11,916.0	88.40	177.40	9,663.1	-2,255.6	1,208.0	480,430.64	625,995.56	32° 19' 13.723 N	104° 3' 33.391 W
12,009.0	90.90	180.10	9,663.6	-2,348.5	1,210.0	480,337.68	625,997.59	32° 19' 12.803 N	104° 3' 33.370 W
12,103.0	89.60	179.90	9,663.2	-2,442.5	1,210.0	480,243.68	625,997.59	32° 19' 11.873 N	104° 3' 33.373 W
12,197.0	88.20	179.20	9,665.0	-2,536.5	1,210.7	480,149.71	625,998.32	32° 19' 10.943 N	104° 3' 33.367 W
12,292.0	91.20	180.80	9,665.5	-2,631.5	1,210.7	480,054.72	625,998.32	32° 19' 10.003 N	104° 3' 33.370 W
12,386.0	88.60	178.00	9,665.7	-2,725.5	1,211.7	479,960.75	625,999.31	32° 19' 9.073 N	104° 3' 33.361 W
12,479.0	92.90	180.20	9,664.5	-2,818.4	1,213.2	479,867.79	626,000.77	32° 19' 8.153 N	104° 3' 33.347 W
12,574.0	91.30	179.20	9,661.0	-2,913.3	1,213.7	479,772.86	626,001.27	32° 19' 7.214 N	104° 3' 33.344 W
12,668.0	94.50	179.70	9,656.2	-3,007.2	1,214.6	479,679.00	626,002.17	32° 19' 6.285 N	104° 3' 33.336 W
12,761.0	93.60	179.20	9,649.7	-3,100.0	1,215.5	479,586.24	626,003.06	32° 19' 5.367 N	104° 3' 33.329 W
12,855.0	90.20	179.00	9,646.5	-3,193.9	1,216.9	479,492.31	626,004.53	32° 19' 4.437 N	104° 3' 33.314 W
12,949.0	86.00	178.00	9,649.7	-3,287.8	1,219.4	479,398.42	626,006.99	32° 19' 3.508 N	104° 3' 33.288 W
13,043.0	90.90	180.10	9,652.2	-3,381.7	1,220.9	479,304.50	626,008.55	32° 19' 2.579 N	104° 3' 33.273 W
13,137.0	88.50	179.90	9,652.7	-3,475.7	1,220.9	479,210.51	626,008.55	32° 19' 1.649 N	104° 3' 33.276 W
13,231.0	89.00	179.70	9,654.7	-3,569.7	1,221.3	479,116.53	626,008.87	32° 19' 0.719 N	104° 3' 33.275 W
13,325.0	90.00	180.10	9,655.6	-3,663.7	1,221.4	479,022.54	626,009.04	32° 18' 59.789 N	104° 3' 33.276 W
13,420.0	87.90	179.40	9,657.3	-3,758.6	1,221.8	478,927.56	626,009.45	32° 18' 58.849 N	104° 3' 33.274 W
13,514.0	90.00	179.70	9,659.0	-3,852.6	1,222.6	478,833.58	626,010.19	32° 18' 57.919 N	104° 3' 33.268 W
13,608.0	90.00	179.70	9,659.0	-3,946.6	1,223.1	478,739.59	626,010.68	32° 18' 56.988 N	104° 3' 33.265 W
13,702.0	90.60	179.50	9,658.5	-4,040.6	1,223.7	478,645.59	626,011.34	32° 18' 56.058 N	104° 3' 33.260 W
13,796.0	88.90	178.10	9,658.9	-4,134.6	1,225.7	478,551.62	626,013.31	32° 18' 55.128 N	104° 3' 33.240 W
13,890.0	87.50	177.60	9,661.9	-4,228.5	1,229.2	478,457.73	626,016.83	32° 18' 54.199 N	104° 3' 33.202 W
13,985.0	87.60	178.30	9,666.0	-4,323.3	1,232.6	478,362.88	626,020.23	32° 18' 53.260 N	104° 3' 33.165 W
14,079.0	89.30	179.50	9,668.5	-4,417.3	1,234.4	478,268.94	626,022.03	32° 18' 52.331 N	104° 3' 33.147 W
14,173.0	91.20	180.60	9,668.1	-4,511.3	1,234.3	478,174.94	626,021.95	32° 18' 51.401 N	104° 3' 33.151 W
14,267.0	89.00	179.50	9,667.9	-4,605.2	1,234.3	478,080.95	626,021.87	32° 18' 50.470 N	104° 3' 33.154 W
14,361.0	91.70	180.60	9,667.3	-4,699.2	1,234.2	477,986.96	626,021.78	32° 18' 49.540 N	104° 3' 33.158 W
14,375.8	91.13	180.54	9,667.0	-4,714.0	1,234.0	477,972.17	626,021.64	32° 18' 49.394 N	104° 3' 33.160 W
330' HL Crossed @ 14375.8' MD / 9667.0' TVD									
14,455.0	88.10	180.20	9,667.5	-4,793.2	1,233.5	477,892.98	626,021.13	32° 18' 48.610 N	104° 3' 33.168 W
14,549.0	90.70	179.90	9,668.5	-4,887.2	1,233.4	477,798.99	626,021.05	32° 18' 47.680 N	104° 3' 33.172 W
14,606.0	90.40	179.20	9,667.9	-4,944.2	1,233.9	477,742.00	626,021.49	32° 18' 47.116 N	104° 3' 33.169 W
14,660.0	90.40	179.20	9,667.6	-4,998.2	1,234.6	477,688.01	626,022.25	32° 18' 46.582 N	104° 3' 33.162 W
TD @ 14660.0' MD / 9667.6' TVD									

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
145.0	145.0	0.2	2.5	First MWD Survey @ 145.0' MD / 145.0' TVD
9,739.2	9,525.3	-104.9	1,172.7	330' HL Crossed @ 9739.2' MD / 9525.3' TVD
14,375.8	9,667.0	-4,714.0	1,234.0	330' HL Crossed @ 14375.8' MD / 9667.0' TVD
14,660.0	9,667.6	-4,998.2	1,234.6	TD @ 14660.0' MD / 9667.6' TVD



Company:	BTA Oil Producers, LLC	Local Co-ordinate Reference:	Well Pardue 8808 #4H
Project:	Eddy County, New Mexico (NAD 83)	TVD Reference:	WELL @ 3021.0usft (Patterson #597)
Site:	Sec 11, T23-S, R28-E	MD Reference:	WELL @ 3021.0usft (Patterson #597)
Well:	Pardue 8808 #4H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 Single User Db

Submit To Appropriate District Office Two Copies <u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 <u>District II</u> 811 S. First St., Artesia, NM 88210 <u>District III</u> 1000 Rio Brazos Rd., Aztec, NM 87410 <u>District IV</u> 1220 S. St. Francis Dr., Santa Fe, NM 87505		DENIED REVISE State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505		Form C-105 Revised April 3, 2017 1. WELL API NO. 30-015-45945 2. Type of Lease ☐ STATE ☒ FEE ☐ FED/INDIAN 3. State Oil & Gas Lease No.						
WELL COMPLETION OR RECOMPLETION REPORT AND LOG										
4. Reason for filing: ☒ COMPLETION REPORT (Fill in boxes #1 through #31 for State and Fee wells only) ☐ C-144 CLOSURE ATTACHMENT (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or #33; attach this and the plat to the C-144 closure report in accordance with 19.15.17.13.K NMAC)			5. Lease Name or Unit Agreement Name PARDUE 8808 6. Well Number: 4H							
7. Type of Completion: ☒ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER										
8. Name of Operator BTA OIL PRODUCERS, LLC			9. OGRID 260297							
10. Address of Operator 104 S. PECOS; MIDLAND, TX. 79701			11. Pool name or Wildcat PURPLE SAGE (WOLFCAMP)							
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	D	11	23S	28E		220	N	1125	W	EDDY
BH:	N	11	23S	28E		46.9	S	2298.8	W	EDDY
13. Date Spudded 7/30/2019	14. Date T.D. Reached 10/1/2019	15. Date Rig Released 10/2/2019		16. Date Completed (Ready to Produce) 2/12/2020		17. Elevations (DF and RKB, RT, GR, etc.) 2996 GR				
18. Total Measured Depth of Well 14,660'		19. Plug Back Measured Depth 14,606'		20. Was Directional Survey Made? YES		21. Type Electric and Other Logs Run MWD GAMMA RAY				
22. Producing Interval(s), of this completion - Top, Bottom, Name 9,780'-14,370' WOLFCAMP										
23. CASING RECORD (Report all strings set in well)										
CASING SIZE		WEIGHT LB./FT.		DEPTH SET		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED
13 3/8"		54.5#		535'		17 1/2"		425		
9 5/8"		36#		2618'		12 1/4"		800		
7"		29#		9966'		8 3/4"		705		
24. LINER RECORD										
SIZE	TOP	BOTTOM	SACKS CEMENT		SCREEN					
4 1/2"	9,187'	14,657'	425							
25. TUBING RECORD										
SIZE	DEPTH SET		PACKER SET							
2 7/8"	9162'		9162'							
26. Perforation record (interval, size, and number) 10,630' – 15,238'										
						27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.				
						DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED		
						14,370'		221,789 BBLS TOTAL FLUID. 11,435,020#S 100 MESH AND 40/70 SAND.		
28. PRODUCTION										
Date First Production 1/6/2020		Production Method (Flowing, gas lift, pumping - Size and type pump) FLOWING				Well Status (Prod. or Shut-in) PRODUCING				
Date of Test 1/10/2020	Hours Tested 24	Choke Size 34/64	Prod'n For Test Period 24hrs		Oil – Bbl 813	Gas – MCF 6737	Water - Bbl. 4113	Gas - Oil Ratio		
Flow Tubing Press. 2250	Casing Pressure 2100	Calculated 24- Hour Rate	Oil - Bbl. 1230	Gas - MCF 3014	Water - Bbl. 3022	Oil Gravity - API - (Corr.) 51				
29. Disposition of Gas (Sold, used for fuel, vented, etc.) SOLD							30. Test Witnessed By			
31. List Attachments										
32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit.							33. Rig Release Date:			
34. If an on-site burial was used at the well, report the exact location of the on-site burial:										
Latitude					Longitude			NAD83		

<i>I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief</i>			
Signature <i>Katy Reddell</i>		Printed Name KATY REDDELL Title REGULATORY ANALYST Date 3/2/2020	
E-mail Address kreddell@btaoil.com			

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well and not later than 60 days after completion of closure. When submitted as a completion report, this shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 11, 12 and 26-31 shall be reported for each zone.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico		Northwestern New Mexico	
T. Anhy_____	T. Canyon_____	T. Ojo Alamo_____	T. Penn A"_____
T. Salt 574'_____	T. Strawn_____	T. Kirtland _____	T. Penn. "B" _____
B. Salt 2384'_____	T. Atoka_____	T. Fruitland_____	T. Penn. "C" _____
T. Yates_____	T. Miss_____	T. Pictured Cliffs_____	T. Penn. "D"_____
T. 7 Rivers_____	T. Devonian_____	T. Cliff House_____	T. Leadville_____
T. Queen_____	T. Silurian_____	T. Menefee_____	T. Madison_____
T. Grayburg_____	T. Montoya_____	T. Point Lookout_____	T. Elbert_____
T. San Andres_____	T. Simpson_____	T. Mancos_____	T. McCracken_____
T. Glorieta_____	T. McKee_____	T. Gallup_____	T. Ignacio Otzte_____
T. Paddock_____	T. Ellenburger_____	Base Greenhorn_____	T. Granite_____
T. Blinebry_____	T. Gr. Wash_____	T. Dakota_____	
T. Tubb_____	T. Delaware Sand 2634'_____	T. Morrison_____	
T. Drinkard_____	T. Bone Springs 6340'_____	T. Todilto_____	
T. Abo_____	T. _____	T. Entrada_____	
T. Wolfcamp 9536'_____	T. _____	T. Wingate_____	
T. Penn_____	T. _____	T. Chinle_____	
T. Cisco (Bough C)_____	T. _____	T. Permian_____	

OIL OR GAS SANDS OR ZONES

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

IMPORTANT WATER SANDS

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

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

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness In Feet	Lithology	From	To	Thickness In Feet	Lithology
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