

DISTRICT I
1625 N. French Dr., Hobbs, NM 88240
Phone: (505) 393-6161 Fax: (505) 393-0720

DISTRICT II
811 S. First St., Artesia, NM 88210
Phone: (505) 748-1283 Fax: (505) 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
REC'D: 5/22/2020 Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-45942	Pool Code 98820	Pool Name PURPLE SAGE (WOLFCAMP)
Property Code 325477	Property Name PARDUE 8808	Well Number 1H
OGRID No. 260297	Operator Name BTA OIL PRODUCERS, LLC	Elevation 2996'

Surface Location

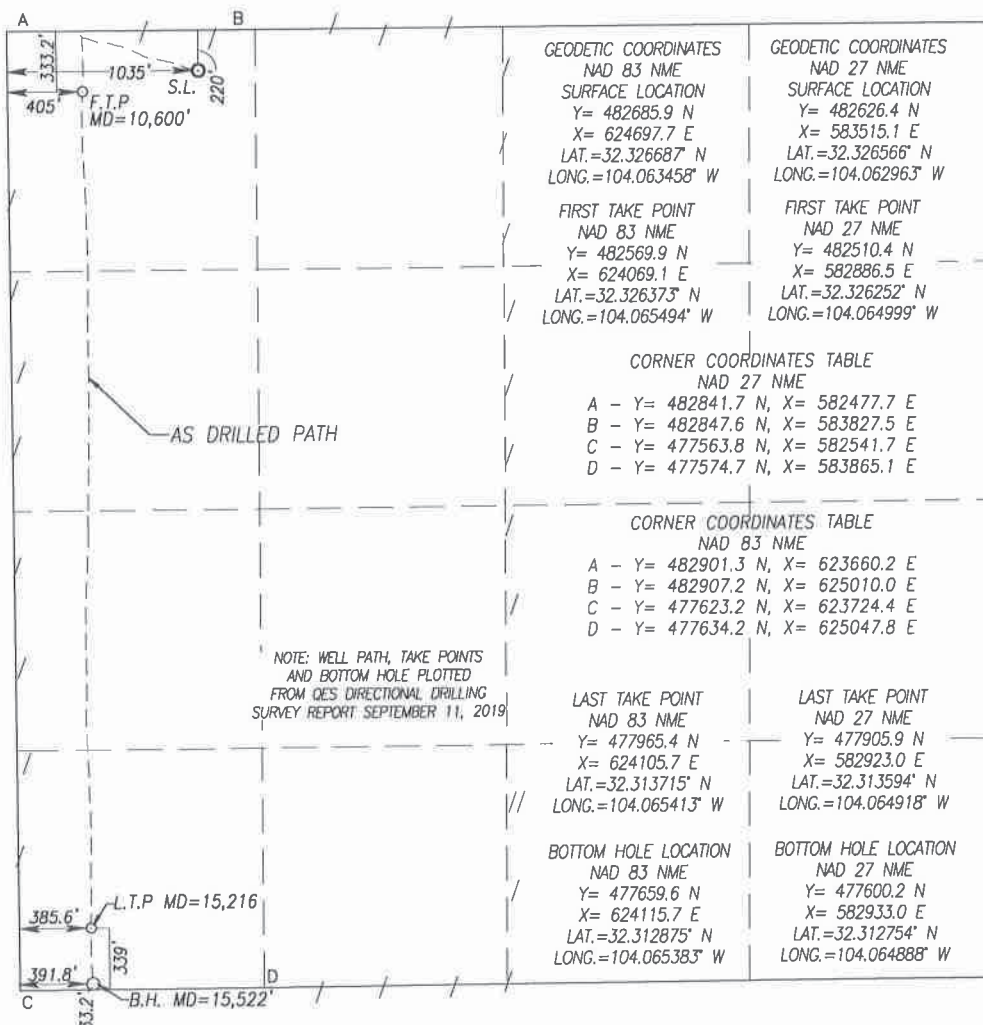
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	11	23-S	28-E		220	NORTH	1035	WEST	EDDY

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
M	11	23-S	28-E		33.2	SOUTH	391.8	WEST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
320			

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



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 2/26/2020

Signature Date

KATY REDDELL

Printed Name

kraddell@btaoil.com

E-mail Address

SURVEYOR CERTIFICATION

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

Date of Survey 12641
Signature of Professional Surveyor

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

LSL REL. W.O. 19.11.0212 JWSC W.O. 20.13.0008

Intent ☐ As Drilled ☒

API #
30-015-45942

Operator Name:
BTA OIL PRODUCERS, LLC

Property Name:
PARDUE 8808

Well Number
1H

Kick Off Point (KOP)

UL D	Section 11	Township 23S	Range 28E	Lot	Feet 220	From N/S n	Feet 1035	From E/W w	County eddy
Latitude 32.326687					Longitude 104.063458				NAD 83

First Take Point (FTP)

UL D	Section 11	Township 23S	Range 28E	Lot	Feet 333	From N/S N	Feet 405	From E/W W	County EDDY
Latitude 32.326373					Longitude 104.065494				NAD 83

Last Take Point (LTP)

UL M	Section 11	Township 23S	Range 28E	Lot	Feet 339	From N/S S	Feet 385	From E/W W	County EDDY
Latitude 32.313715					Longitude 104.065413				NAD 83

Is this well the defining well for the Horizontal Spacing Unit?

☒ YES

Is this well an infill well?

☐

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API #

Operator Name:
BTA OIL PRODUCERS LLC

Property Name:

Well Number

KZ 06/29/2018



BTA Oil Producers, LLC

Eddy County, New Mexico (NAD 83)

Sec 11, T23-S, R28-E

Pardue 8808 #1H

Wellbore #1

Design: Wellbore #1

Survey Report - Geographic

11 September, 2019





Survey Report - Geographic



Company:	BTA Oil Producers, LLC	Local Co-ordinate Reference:	Well Pardue 8808 #1H
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 #1H	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
From:	Map	Easting:	624,697.70 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 19' 36.073 N
		Longitude:	104° 3' 48.450 W
		Grid Convergence:	0.14 °

Well	Pardue 8808 #1H		
Well Position	+N/-S	0.0 usft	Northing: 482,685.90 usft
	+E/-W	0.0 usft	Easting: 624,697.70 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft
		Latitude:	32° 19' 36.073 N
		Longitude:	104° 3' 48.450 W
		Ground Level:	2,996.0 usft

Wellbore	Wellbore #1		
Magnetics	Model Name	Sample Date	Declination (°)
	HDGM	8/26/2019	7.10
		Dip Angle (°)	60.05
		Field Strength (nT)	47,892.00000000

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)
	0.0	0.0	0.0
		Direction (°)	186.54

Survey Program	Date 9/11/2019		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name
150.0	15,522.0	QES MWD Surveys (Wellbore #1)	OWSG (Rev2) MWD
			Description
			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	482,685.90	624,697.70	32° 19' 36.073 N	104° 3' 48.450 W	
150.0	0.90	212.80	150.0	-1.0	-0.6	482,684.91	624,697.07	32° 19' 36.064 N	104° 3' 48.457 W	
First MWD Survey @ 150.0' MD / 150.0' TVD										
301.0	0.80	194.00	301.0	-3.0	-1.5	482,682.89	624,696.17	32° 19' 36.044 N	104° 3' 48.468 W	
419.0	1.00	202.20	419.0	-4.8	-2.1	482,681.14	624,695.58	32° 19' 36.026 N	104° 3' 48.475 W	
474.0	1.10	210.30	474.0	-5.7	-2.6	482,680.24	624,695.13	32° 19' 36.017 N	104° 3' 48.480 W	
570.0	1.20	201.00	569.9	-7.4	-3.4	482,678.50	624,694.31	32° 19' 36.000 N	104° 3' 48.490 W	
695.0	3.30	293.40	694.9	-7.2	-7.2	482,678.71	624,690.54	32° 19' 36.002 N	104° 3' 48.534 W	
790.0	3.40	292.60	789.7	-5.0	-12.3	482,680.88	624,685.42	32° 19' 36.024 N	104° 3' 48.593 W	
883.0	3.40	288.90	882.5	-3.1	-17.4	482,682.83	624,680.27	32° 19' 36.043 N	104° 3' 48.653 W	
978.0	3.50	288.40	977.4	-1.2	-22.9	482,684.66	624,674.85	32° 19' 36.062 N	104° 3' 48.716 W	
1,073.0	3.40	286.40	1,072.2	0.5	-28.3	482,686.37	624,669.40	32° 19' 36.079 N	104° 3' 48.780 W	



Survey Report - Geographic



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Site:	Sec 11, T23-S, R28-E	MD Reference:	WELL @ 3021.0usft (Patterson #597)
Well:	Pardue 8808 #1H	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
1,167.0	4.70	291.50	1,166.0	2.7	-34.6	482,688.57	624,663.14	32° 19' 36.101 N	104° 3' 48.852 W
1,262.0	5.50	294.90	1,260.6	6.0	-42.3	482,691.91	624,655.39	32° 19' 36.134 N	104° 3' 48.943 W
1,356.0	6.10	292.60	1,354.1	9.8	-51.0	482,695.73	624,646.69	32° 19' 36.172 N	104° 3' 49.044 W
1,451.0	5.80	291.70	1,448.6	13.5	-60.1	482,699.44	624,637.57	32° 19' 36.209 N	104° 3' 49.150 W
1,546.0	5.40	293.40	1,543.1	17.1	-68.7	482,702.99	624,629.01	32° 19' 36.244 N	104° 3' 49.250 W
1,641.0	6.30	292.70	1,637.6	20.9	-77.6	482,706.78	624,620.10	32° 19' 36.282 N	104° 3' 49.354 W
1,736.0	7.90	292.60	1,731.9	25.4	-88.4	482,711.30	624,609.26	32° 19' 36.327 N	104° 3' 49.480 W
1,831.0	5.50	291.00	1,826.2	29.5	-98.7	482,715.44	624,598.98	32° 19' 36.368 N	104° 3' 49.599 W
1,926.0	5.60	288.20	1,920.8	32.6	-107.4	482,718.52	624,590.33	32° 19' 36.399 N	104° 3' 49.700 W
2,021.0	8.70	289.90	2,015.0	36.5	-118.5	482,722.42	624,579.17	32° 19' 36.438 N	104° 3' 49.830 W
2,116.0	8.80	290.80	2,108.9	41.5	-132.1	482,727.44	624,565.62	32° 19' 36.488 N	104° 3' 49.988 W
2,211.0	6.00	289.90	2,203.1	45.8	-143.5	482,731.71	624,554.16	32° 19' 36.530 N	104° 3' 50.121 W
2,306.0	4.50	288.70	2,297.7	48.7	-151.7	482,734.60	624,545.96	32° 19' 36.559 N	104° 3' 50.217 W
2,401.0	4.70	278.00	2,392.4	50.4	-159.1	482,736.33	624,538.57	32° 19' 36.576 N	104° 3' 50.303 W
2,496.0	7.10	276.20	2,486.9	51.6	-168.8	482,737.51	624,528.88	32° 19' 36.588 N	104° 3' 50.416 W
2,555.0	7.20	280.80	2,545.5	52.7	-176.1	482,738.60	624,521.62	32° 19' 36.599 N	104° 3' 50.500 W
2,666.0	7.60	283.80	2,655.5	55.8	-190.0	482,741.65	624,507.66	32° 19' 36.630 N	104° 3' 50.663 W
2,761.0	7.40	281.80	2,749.7	58.5	-202.1	482,744.40	624,495.57	32° 19' 36.657 N	104° 3' 50.804 W
2,856.0	7.70	280.80	2,843.9	60.9	-214.4	482,746.85	624,483.33	32° 19' 36.682 N	104° 3' 50.946 W
2,952.0	7.70	280.60	2,939.0	63.3	-227.0	482,749.23	624,470.69	32° 19' 36.706 N	104° 3' 51.094 W
3,047.0	7.60	281.00	3,033.2	65.7	-239.4	482,751.60	624,458.27	32° 19' 36.730 N	104° 3' 51.238 W
3,142.0	7.60	281.30	3,127.4	68.1	-251.8	482,754.03	624,445.94	32° 19' 36.754 N	104° 3' 51.382 W
3,236.0	7.20	278.70	3,220.6	70.2	-263.7	482,756.14	624,434.02	32° 19' 36.775 N	104° 3' 51.521 W
3,330.0	7.40	278.00	3,313.8	72.0	-275.5	482,757.87	624,422.21	32° 19' 36.792 N	104° 3' 51.658 W
3,425.0	8.70	294.20	3,407.9	75.8	-288.1	482,761.67	624,409.59	32° 19' 36.830 N	104° 3' 51.805 W
3,519.0	8.30	294.90	3,500.9	81.5	-300.7	482,767.44	624,396.95	32° 19' 36.888 N	104° 3' 51.953 W
3,614.0	7.90	293.60	3,594.9	87.0	-313.0	482,772.94	624,384.75	32° 19' 36.943 N	104° 3' 52.095 W
3,709.0	7.70	292.90	3,689.0	92.1	-324.8	482,778.03	624,372.91	32° 19' 36.993 N	104° 3' 52.232 W
3,803.0	7.60	293.40	3,782.2	97.1	-336.3	482,782.95	624,361.40	32° 19' 37.042 N	104° 3' 52.366 W
3,898.0	7.60	294.70	3,876.4	102.2	-347.8	482,788.07	624,349.93	32° 19' 37.093 N	104° 3' 52.500 W
3,993.0	7.40	293.60	3,970.5	107.2	-359.1	482,793.15	624,338.62	32° 19' 37.144 N	104° 3' 52.632 W
4,088.0	7.30	295.00	4,064.8	112.2	-370.2	482,798.15	624,327.54	32° 19' 37.193 N	104° 3' 52.761 W
4,183.0	6.50	293.10	4,159.1	116.9	-380.6	482,802.81	624,317.12	32° 19' 37.240 N	104° 3' 52.882 W
4,278.0	7.80	287.80	4,253.3	121.0	-391.7	482,806.89	624,306.04	32° 19' 37.280 N	104° 3' 53.011 W
4,373.0	9.80	285.50	4,347.2	125.1	-405.6	482,811.02	624,292.11	32° 19' 37.322 N	104° 3' 53.173 W
4,467.0	10.10	285.20	4,439.8	129.4	-421.3	482,815.32	624,276.45	32° 19' 37.365 N	104° 3' 53.356 W
4,563.0	10.00	285.50	4,534.3	133.9	-437.4	482,819.75	624,260.29	32° 19' 37.409 N	104° 3' 53.544 W
4,658.0	10.40	285.50	4,627.8	138.3	-453.6	482,824.25	624,244.08	32° 19' 37.454 N	104° 3' 53.733 W
4,752.0	9.70	284.30	4,720.4	142.6	-469.5	482,828.47	624,228.23	32° 19' 37.496 N	104° 3' 53.917 W
4,847.0	9.30	281.80	4,814.1	146.1	-484.7	482,832.02	624,212.96	32° 19' 37.531 N	104° 3' 54.095 W
4,942.0	8.70	279.70	4,907.9	148.9	-499.3	482,834.80	624,198.36	32° 19' 37.559 N	104° 3' 54.265 W
5,036.0	8.00	279.20	5,000.9	151.1	-512.8	482,837.04	624,184.90	32° 19' 37.582 N	104° 3' 54.422 W
5,130.0	7.10	277.50	5,094.1	152.9	-525.0	482,838.85	624,172.68	32° 19' 37.600 N	104° 3' 54.564 W
5,225.0	6.50	276.40	5,188.4	154.3	-536.2	482,840.21	624,161.52	32° 19' 37.614 N	104° 3' 54.694 W
5,319.0	7.20	287.30	5,281.8	156.7	-547.1	482,842.56	624,150.61	32° 19' 37.637 N	104° 3' 54.821 W
5,413.0	8.00	290.50	5,374.9	160.7	-558.9	482,846.60	624,138.85	32° 19' 37.678 N	104° 3' 54.958 W
5,508.0	7.20	291.00	5,469.1	165.1	-570.6	482,851.05	624,127.10	32° 19' 37.722 N	104° 3' 55.095 W
5,602.0	6.70	289.80	5,562.4	169.1	-581.3	482,855.02	624,116.44	32° 19' 37.761 N	104° 3' 55.219 W
5,697.0	6.20	289.80	5,656.8	172.7	-591.3	482,858.63	624,106.40	32° 19' 37.797 N	104° 3' 55.336 W
5,791.0	5.70	285.40	5,750.3	175.7	-600.6	482,861.59	624,097.13	32° 19' 37.827 N	104° 3' 55.444 W
5,884.0	5.40	284.80	5,842.9	178.0	-609.3	482,863.94	624,088.44	32° 19' 37.850 N	104° 3' 55.545 W
5,980.0	4.80	283.40	5,938.5	180.1	-617.5	482,866.02	624,080.17	32° 19' 37.871 N	104° 3' 55.642 W
6,075.0	4.30	280.10	6,033.2	181.7	-624.9	482,867.57	624,072.80	32° 19' 37.887 N	104° 3' 55.728 W
6,169.0	4.30	277.10	6,126.9	182.7	-631.9	482,868.62	624,065.83	32° 19' 37.897 N	104° 3' 55.809 W
6,263.0	2.60	306.30	6,220.8	184.4	-637.1	482,870.32	624,060.61	32° 19' 37.914 N	104° 3' 55.869 W



Survey Report - Geographic



Company: BTA Oil Producers, LLC
Project: Eddy County, New Mexico (NAD 83)
Site: Sec 11, T23-S, R28-E
Well: Pardue 8808 #1H
Wellbore: Wellbore #1
Design: Wellbore #1

Local Co-ordinate Reference: Well Pardue 8808 #1H
TVD Reference: WELL @ 3021.0usft (Patterson #597)
MD Reference: WELL @ 3021.0usft (Patterson #597)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
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
6,359.0	2.40	327.20	6,316.7	187.4	-639.9	482,873.30	624,057.77	32° 19' 37.944 N	104° 3' 55.903 W
6,453.0	1.70	315.20	6,410.6	190.0	-642.0	482,875.94	624,055.72	32° 19' 37.970 N	104° 3' 55.926 W
6,548.0	1.80	281.80	6,505.6	191.3	-644.4	482,877.25	624,053.27	32° 19' 37.983 N	104° 3' 55.955 W
6,643.0	0.40	275.00	6,600.5	191.7	-646.2	482,877.58	624,051.48	32° 19' 37.986 N	104° 3' 55.976 W
6,738.0	1.30	242.60	6,695.5	191.2	-647.5	482,877.11	624,050.19	32° 19' 37.982 N	104° 3' 55.991 W
6,833.0	2.50	234.60	6,790.5	189.5	-650.2	482,875.42	624,047.54	32° 19' 37.965 N	104° 3' 56.022 W
6,928.0	0.30	180.80	6,885.4	188.1	-651.9	482,873.97	624,045.85	32° 19' 37.951 N	104° 3' 56.041 W
7,023.0	0.70	180.90	6,980.4	187.2	-651.9	482,873.14	624,045.84	32° 19' 37.942 N	104° 3' 56.042 W
7,118.0	1.20	197.30	7,075.4	185.7	-652.2	482,871.61	624,045.53	32° 19' 37.927 N	104° 3' 56.045 W
7,212.0	1.20	88.30	7,169.4	184.8	-651.5	482,870.70	624,046.23	32° 19' 37.918 N	104° 3' 56.037 W
7,307.0	2.20	108.90	7,264.4	184.2	-648.8	482,870.14	624,048.95	32° 19' 37.913 N	104° 3' 56.005 W
7,401.0	1.80	60.40	7,358.3	184.4	-645.8	482,870.28	624,051.94	32° 19' 37.914 N	104° 3' 55.971 W
7,496.0	1.20	40.10	7,453.3	185.9	-643.8	482,871.78	624,053.87	32° 19' 37.929 N	104° 3' 55.948 W
7,589.0	1.10	40.70	7,546.3	187.3	-642.6	482,873.20	624,055.08	32° 19' 37.943 N	104° 3' 55.934 W
7,684.0	0.90	44.00	7,641.3	188.5	-641.5	482,874.43	624,056.20	32° 19' 37.955 N	104° 3' 55.921 W
7,779.0	0.40	16.80	7,736.3	189.4	-640.9	482,875.28	624,056.81	32° 19' 37.963 N	104° 3' 55.914 W
7,874.0	0.40	4.80	7,831.3	190.0	-640.8	482,875.93	624,056.93	32° 19' 37.970 N	104° 3' 55.912 W
7,970.0	0.80	327.20	7,927.2	190.9	-641.1	482,876.83	624,056.60	32° 19' 37.979 N	104° 3' 55.916 W
8,065.0	0.60	293.60	8,022.2	191.7	-641.9	482,877.59	624,055.78	32° 19' 37.986 N	104° 3' 55.926 W
8,159.0	0.60	307.70	8,116.2	192.2	-642.8	482,878.08	624,054.94	32° 19' 37.991 N	104° 3' 55.935 W
8,254.0	0.40	18.20	8,211.2	192.8	-643.1	482,878.70	624,054.65	32° 19' 37.997 N	104° 3' 55.939 W
8,349.0	0.50	11.70	8,306.2	193.5	-642.9	482,879.42	624,054.84	32° 19' 38.004 N	104° 3' 55.937 W
8,443.0	0.60	103.60	8,400.2	193.8	-642.3	482,879.71	624,055.40	32° 19' 38.007 N	104° 3' 55.930 W
8,539.0	1.40	73.90	8,496.2	194.0	-640.7	482,879.92	624,057.02	32° 19' 38.009 N	104° 3' 55.911 W
8,633.0	1.40	84.60	8,590.2	194.4	-638.4	482,880.34	624,059.26	32° 19' 38.013 N	104° 3' 55.885 W
8,728.0	1.60	170.00	8,685.2	193.2	-637.1	482,879.15	624,060.65	32° 19' 38.002 N	104° 3' 55.869 W
8,823.0	1.10	125.00	8,780.1	191.4	-636.1	482,877.32	624,061.63	32° 19' 37.983 N	104° 3' 55.857 W
8,918.0	1.70	112.70	8,875.1	190.3	-634.0	482,876.25	624,063.67	32° 19' 37.973 N	104° 3' 55.834 W
9,012.0	1.90	131.20	8,969.1	188.8	-631.6	482,874.69	624,066.13	32° 19' 37.957 N	104° 3' 55.805 W
9,107.0	0.30	90.90	9,064.0	187.7	-630.1	482,873.64	624,067.57	32° 19' 37.947 N	104° 3' 55.788 W
9,202.0	0.40	9.90	9,159.0	188.1	-629.8	482,873.97	624,067.87	32° 19' 37.950 N	104° 3' 55.785 W
9,297.0	0.20	40.70	9,254.0	188.5	-629.7	482,874.42	624,068.04	32° 19' 37.955 N	104° 3' 55.783 W
9,392.0	0.20	48.40	9,349.0	188.8	-629.4	482,874.65	624,068.27	32° 19' 37.957 N	104° 3' 55.780 W
9,487.0	0.20	147.90	9,444.0	188.7	-629.2	482,874.62	624,068.48	32° 19' 37.957 N	104° 3' 55.778 W
9,581.0	0.40	156.30	9,538.0	188.3	-629.0	482,874.18	624,068.70	32° 19' 37.952 N	104° 3' 55.775 W
9,676.0	0.70	177.30	9,633.0	187.4	-628.8	482,873.30	624,068.86	32° 19' 37.943 N	104° 3' 55.773 W
9,771.0	0.90	198.20	9,728.0	186.1	-629.0	482,872.01	624,068.66	32° 19' 37.931 N	104° 3' 55.776 W
9,865.0	0.80	208.20	9,822.0	184.8	-629.6	482,870.73	624,068.12	32° 19' 37.918 N	104° 3' 55.782 W
9,905.0	0.70	201.70	9,862.0	184.4	-629.8	482,870.26	624,067.89	32° 19' 37.913 N	104° 3' 55.785 W
10,034.0	2.10	180.60	9,991.0	181.3	-630.1	482,867.16	624,067.58	32° 19' 37.883 N	104° 3' 55.788 W
10,128.0	13.90	178.30	10,083.9	168.2	-629.8	482,854.11	624,067.90	32° 19' 37.754 N	104° 3' 55.785 W
10,222.0	23.00	176.60	10,173.0	138.5	-628.4	482,824.43	624,069.32	32° 19' 37.460 N	104° 3' 55.769 W
10,316.0	32.60	178.30	10,256.0	94.8	-626.5	482,780.68	624,071.17	32° 19' 37.027 N	104° 3' 55.749 W
10,410.0	43.80	177.60	10,329.8	36.8	-624.4	482,722.69	624,073.29	32° 19' 36.453 N	104° 3' 55.726 W
10,505.0	53.60	182.50	10,392.4	-34.5	-624.7	482,651.44	624,073.00	32° 19' 35.748 N	104° 3' 55.732 W
10,596.5	64.77	183.08	10,439.2	-112.8	-628.6	482,573.08	624,069.15	32° 19' 34.973 N	104° 3' 55.779 W
Cross 330' HL@ 10596.5' MD / 10439.2' TVD									
10,600.0	65.20	183.10	10,440.7	-116.0	-628.7	482,569.91	624,068.98	32° 19' 34.941 N	104° 3' 55.781 W
10,695.0	77.30	180.90	10,471.2	-205.7	-631.8	482,480.18	624,065.91	32° 19' 34.053 N	104° 3' 55.819 W
10,788.0	84.20	179.40	10,486.1	-297.5	-632.0	482,388.45	624,065.68	32° 19' 33.146 N	104° 3' 55.824 W
10,883.0	89.30	176.70	10,491.5	-392.2	-628.8	482,293.70	624,068.91	32° 19' 32.208 N	104° 3' 55.790 W
10,977.0	90.60	177.40	10,491.6	-486.1	-624.0	482,199.82	624,073.75	32° 19' 31.279 N	104° 3' 55.736 W
11,072.0	89.30	177.10	10,491.7	-581.0	-619.4	482,104.93	624,078.31	32° 19' 30.340 N	104° 3' 55.686 W
11,166.0	88.80	176.60	10,493.2	-674.8	-614.2	482,011.09	624,083.47	32° 19' 29.411 N	104° 3' 55.628 W
11,260.0	89.30	178.10	10,494.8	-768.7	-609.9	481,917.21	624,087.82	32° 19' 28.482 N	104° 3' 55.580 W



Survey Report - Geographic



Company: BTA Oil Producers, LLC
Project: Eddy County, New Mexico (NAD 83)
Site: Sec 11, T23-S, R28-E
Well: Pardue 8808 #1H
Wellbore: Wellbore #1
Design: Wellbore #1

Local Co-ordinate Reference: Well Pardue 8808 #1H
TVD Reference: WELL @ 3021.0usft (Patterson #597)
MD Reference: WELL @ 3021.0usft (Patterson #597)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
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
11,355.0	90.60	178.70	10,494.9	-863.7	-607.2	481,822.25	624,090.47	32° 19' 27.542 N	104° 3' 55.552 W
11,449.0	91.30	178.70	10,493.3	-957.6	-605.1	481,728.28	624,092.60	32° 19' 26.612 N	104° 3' 55.530 W
11,544.0	90.30	177.80	10,492.0	-1,052.6	-602.2	481,633.34	624,095.50	32° 19' 25.672 N	104° 3' 55.499 W
11,638.0	92.50	180.90	10,489.7	-1,146.5	-601.1	481,539.39	624,096.57	32° 19' 24.743 N	104° 3' 55.489 W
11,733.0	91.60	180.40	10,486.3	-1,241.4	-602.2	481,444.46	624,095.49	32° 19' 23.803 N	104° 3' 55.505 W
11,827.0	90.90	180.80	10,484.2	-1,335.4	-603.2	481,350.49	624,094.51	32° 19' 22.873 N	104° 3' 55.519 W
11,921.0	90.10	179.70	10,483.4	-1,429.4	-603.6	481,256.49	624,094.10	32° 19' 21.943 N	104° 3' 55.526 W
12,015.0	90.30	178.80	10,483.1	-1,523.4	-602.4	481,162.50	624,095.33	32° 19' 21.013 N	104° 3' 55.515 W
12,108.0	85.80	177.30	10,486.3	-1,616.3	-599.2	481,069.64	624,098.49	32° 19' 20.094 N	104° 3' 55.481 W
12,202.0	87.80	179.90	10,491.5	-1,710.1	-596.9	480,975.83	624,100.78	32° 19' 19.166 N	104° 3' 55.457 W
12,297.0	88.20	180.10	10,494.8	-1,805.0	-596.9	480,880.88	624,100.78	32° 19' 18.226 N	104° 3' 55.459 W
12,391.0	87.90	179.70	10,498.0	-1,899.0	-596.8	480,786.94	624,100.95	32° 19' 17.296 N	104° 3' 55.460 W
12,485.0	92.10	181.10	10,498.0	-1,992.9	-597.4	480,692.96	624,100.29	32° 19' 16.367 N	104° 3' 55.471 W
12,579.0	91.70	181.10	10,494.9	-2,086.9	-599.2	480,599.03	624,098.49	32° 19' 15.437 N	104° 3' 55.494 W
12,673.0	92.70	181.50	10,491.3	-2,180.8	-601.3	480,505.13	624,096.36	32° 19' 14.508 N	104° 3' 55.522 W
12,766.0	90.10	180.40	10,489.0	-2,273.7	-602.9	480,412.18	624,094.81	32° 19' 13.588 N	104° 3' 55.543 W
12,860.0	91.20	180.80	10,488.0	-2,367.7	-603.9	480,318.19	624,093.83	32° 19' 12.658 N	104° 3' 55.557 W
12,954.0	87.70	179.70	10,488.9	-2,461.7	-604.3	480,224.21	624,093.42	32° 19' 11.728 N	104° 3' 55.564 W
13,048.0	86.70	178.80	10,493.4	-2,555.6	-603.1	480,130.33	624,094.65	32° 19' 10.799 N	104° 3' 55.553 W
13,142.0	93.40	183.10	10,493.4	-2,649.5	-604.6	480,036.42	624,093.09	32° 19' 9.870 N	104° 3' 55.574 W
13,237.0	86.60	182.00	10,493.4	-2,744.3	-608.8	479,941.57	624,088.87	32° 19' 8.931 N	104° 3' 55.626 W
13,331.0	86.80	182.20	10,498.8	-2,838.1	-612.3	479,847.79	624,085.43	32° 19' 8.003 N	104° 3' 55.668 W
13,425.0	86.40	182.40	10,504.3	-2,931.9	-616.0	479,754.03	624,081.66	32° 19' 7.076 N	104° 3' 55.715 W
13,519.0	87.40	179.50	10,509.4	-3,025.7	-617.6	479,660.20	624,080.11	32° 19' 6.147 N	104° 3' 55.736 W
13,613.0	87.20	179.70	10,513.9	-3,119.6	-616.9	479,566.30	624,080.76	32° 19' 5.218 N	104° 3' 55.731 W
13,707.0	89.20	178.10	10,516.8	-3,213.5	-615.1	479,472.37	624,082.57	32° 19' 4.288 N	104° 3' 55.713 W
13,801.0	90.00	179.20	10,517.5	-3,307.5	-612.9	479,378.40	624,084.78	32° 19' 3.358 N	104° 3' 55.690 W
13,895.0	90.80	180.20	10,516.8	-3,401.5	-612.4	479,284.41	624,085.27	32° 19' 2.428 N	104° 3' 55.687 W
13,990.0	91.20	180.80	10,515.2	-3,496.5	-613.3	479,189.43	624,084.45	32° 19' 1.488 N	104° 3' 55.699 W
14,084.0	87.70	179.70	10,516.1	-3,590.5	-613.7	479,095.45	624,084.04	32° 19' 0.558 N	104° 3' 55.706 W
14,178.0	87.30	178.00	10,520.2	-3,684.3	-611.8	479,001.56	624,085.92	32° 18' 59.629 N	104° 3' 55.687 W
14,272.0	91.20	176.20	10,521.4	-3,778.2	-607.0	478,907.71	624,090.67	32° 18' 58.700 N	104° 3' 55.635 W
14,366.0	92.80	178.10	10,518.1	-3,872.0	-602.4	478,813.89	624,095.35	32° 18' 57.772 N	104° 3' 55.583 W
14,460.0	90.40	177.10	10,515.5	-3,965.9	-598.4	478,720.02	624,099.28	32° 18' 56.843 N	104° 3' 55.540 W
14,554.0	91.50	177.10	10,513.9	-4,059.7	-593.7	478,626.16	624,104.04	32° 18' 55.914 N	104° 3' 55.487 W
14,649.0	90.70	179.20	10,512.1	-4,154.7	-590.6	478,531.23	624,107.10	32° 18' 54.974 N	104° 3' 55.454 W
14,743.0	90.70	180.20	10,511.0	-4,248.7	-590.1	478,437.24	624,107.59	32° 18' 54.044 N	104° 3' 55.451 W
14,837.0	91.00	180.80	10,509.6	-4,342.6	-590.9	478,343.25	624,106.77	32° 18' 53.114 N	104° 3' 55.463 W
14,930.0	90.00	180.20	10,508.7	-4,435.6	-591.7	478,250.26	624,105.96	32° 18' 52.194 N	104° 3' 55.476 W
15,024.0	88.90	179.70	10,509.6	-4,529.6	-591.7	478,156.27	624,106.04	32° 18' 51.264 N	104° 3' 55.477 W
15,118.0	89.20	179.90	10,511.2	-4,623.6	-591.3	478,062.28	624,106.37	32° 18' 50.334 N	104° 3' 55.476 W
15,212.0	89.90	181.10	10,511.9	-4,717.6	-592.2	477,968.29	624,105.55	32° 18' 49.404 N	104° 3' 55.489 W
15,223.9	89.85	180.72	10,512.0	-4,729.5	-592.3	477,956.39	624,105.36	32° 18' 49.286 N	104° 3' 55.491 W
Cross 330' HL@ 15223.9' MD / 10512.0' TVD									
15,306.0	89.50	178.10	10,512.4	-4,811.6	-591.5	477,874.30	624,106.21	32° 18' 48.473 N	104° 3' 55.484 W
15,400.0	89.60	177.10	10,513.2	-4,905.5	-587.6	477,780.39	624,110.14	32° 18' 47.544 N	104° 3' 55.441 W
15,470.0	89.40	177.60	10,513.8	-4,975.4	-584.3	477,710.47	624,113.38	32° 18' 46.852 N	104° 3' 55.405 W
15,522.0	89.40	177.60	10,514.3	-5,027.4	-582.1	477,658.52	624,115.56	32° 18' 46.338 N	104° 3' 55.381 W
TD @ 15522.0' MD / 10514.3' TVD									



Survey Report - Geographic



Company:	BTA Oil Producers, LLC	Local Co-ordinate Reference:	Well Pardue 8808 #1H
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 #1H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 Single User Db

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
150.0	150.0	-1.0	-0.6	First MWD Survey @ 150.0' MD / 150.0' TVD
10,596.5	10,439.2	-112.8	-628.6	Cross 330' HL@ 10596.5' MD / 10439.2' TVD
15,223.9	10,512.0	-4,729.5	-592.3	Cross 330' HL@ 15223.9' MD / 10512.0' TVD
15,522.0	10,514.3	-5,027.4	-582.1	TD @ 15522.0' MD / 10514.3' TVD