

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

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

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 104 S. PECOS MIDLAND, TX.		² OGRID Number 260297	
		³ Reason for Filing Code/ Effective Date NEW WELL	
⁴ API Number 30 – 025-47518	⁵ Pool Name JOHNSON RANCH / WOLFCAMP		⁶ Pool Code 98180
⁷ Property Code 317432	⁸ Property Name VACA DRAW 9418 10 FEDERAL		⁹ Well Number 25H

II. ¹⁰ Surface Location

Ul or lot no. O	Sec 10	Township 25S	Range 33E	Lot Idn	420	SOUTH LINE	1335	EAST LINE	County LEA
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¹¹ Bottom Hole Location

UL or lot no B.	Section 10	Township 25S	Range 33E	Lot Idn	50’	NORTH	1650’	EAST	LEA	
¹² Lse Code F	¹³ Producing Method FLOWING		¹⁴ Gas Connection Date 04/22/2021			¹⁵ C-129 Permit Number		¹⁶ C-129 Effective Date		

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
34053	PLAINS MARKETING LP P O BOX 4648 HOUSTON, TX 77210-4648	
371058	ETC FIELD SERVICES LLC 8111 WESTCHESTER DR., STE 600 DALLAS, TX. 75225	

IV. Well Completion Data

²¹ Spud Date 12/02/2020	²² Ready Date 04/22/2021	²³ TD 17,846’	²⁴ PBTD 17,821’	²⁵ Perforations 13,025 – 17,735	²⁶ DHC, MC
²⁷ Hole Size		²⁸ Casing & Tubing Size	²⁹ Depth Set		³⁰ Sacks Cement
14-3/4”		10-3/4”	1210		830
9-7/8”		7-5/8”	12308		1842
8 3/4		7-5/8	12308		1842
6-3/4		5 X 5-1/2	17846		1400

V. Well Test Data

³¹ Date New Oil 04/22/2021	³² Gas Delivery Date 04/22/2021	³³ Test Date 04/28/2021	³⁴ Test Length 24	³⁵ Tbg. Pressure 3100	³⁶ Csg. Pressure
³⁷ Choke Size 20/64	³⁸ Oil 793	³⁹ Water 3317	⁴⁰ Gas 1883	3100	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		
Printed name: KATY REDDELL			Approved by: KURT SIMMONS		
Title: REGULATORY ANALYST			Title: NMOCD, SANTA FE		
E-mail Address: kreddell@btaoil.com 04/29/2021 432-682-3753			Approval Date: 09/02/2021		

Date:	Phone:	
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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 30-025-47518	Pool Code 98180	Pool Name JOHNSON RANCH/WOLFCAMP
Property Code 317432	Property Name VACA DRAW 9418 10 FEDERAL	Well Number 25H
OGRID No. 260297	Operator Name BTA OIL PRODUCERS, LLC	Elevation 3377'

Surface Location

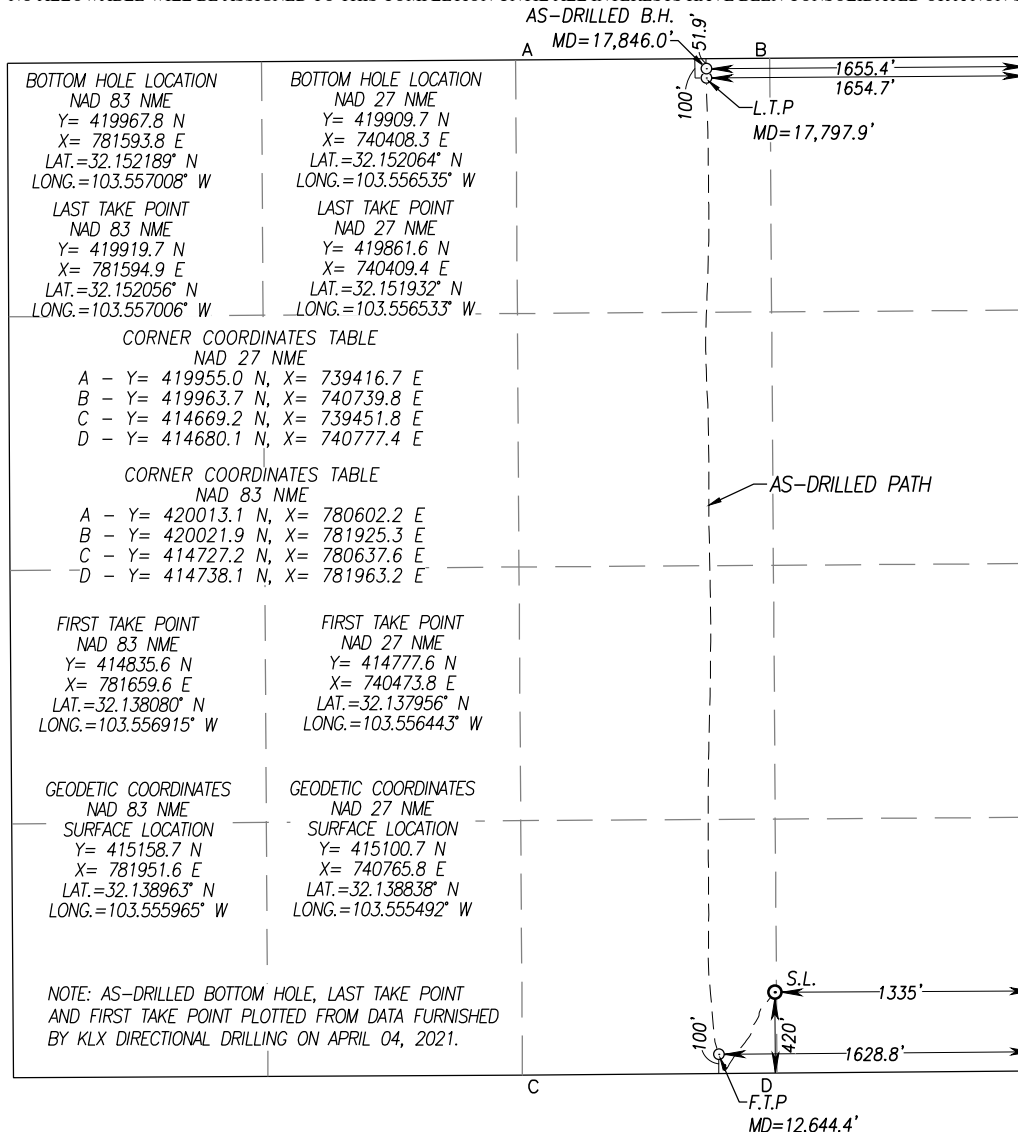
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	10	25-S	33-E		420	SOUTH	1335	EAST	LEA

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
B	10	25-S	33-E		51.9	NORTH	1655.4	EAST	LEA

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
160			

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 6/9/2021

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 recent surveys made by me or under my supervision and that the same is true and correct to the best of my belief.

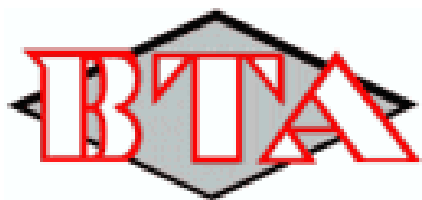
DATE: MAY 1, 2018
12641
REGISTERED PROFESSIONAL SURVEYOR

Date of Survey
Signature and Seal of Professional Surveyor

Gary G. Eidson 04/29/2021

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

ACK REL. W.O.:21130114 JWSC W.O.: 21.13.0186



BTA Oil Producers, LLC

Lea County, NM (NAD 83)

Sec 10, T25-S, R33-E

Vaca Draw 9418 10 Fed #25H

Sidetrack 1

Design: Sidetrack 1

Survey Report - Geographic

16 January, 2021





QES
Survey Report - Geographic



Company:	BTA Oil Producers, LLC	Local Co-ordinate Reference:	Well Vaca Draw 9418 10 Fed #25H
Project:	Lea County, NM (NAD 83)	TVD Reference:	WELL @ 3402.0usft (Patterson #566)
Site:	Sec 10, T25-S, R33-E	MD Reference:	WELL @ 3402.0usft (Patterson #566)
Well:	Vaca Draw 9418 10 Fed #25H	North Reference:	Grid
Wellbore:	Sidetrack 1	Survey Calculation Method:	Minimum Curvature
Design:	Sidetrack 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 10, T25-S, R33-E		
Site Position:		Northing:	414,940.60 usft
From:	Map	Easting:	779,261.40 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 8' 18.299 N
		Longitude:	103° 33' 52.777 W
		Grid Convergence:	0.41 °

Well	Vaca Draw 9418 10 Fed #25H		
Well Position	+N/-S	0.0 usft	Northing: 415,158.70 usft
	+E/-W	0.0 usft	Easting: 781,951.60 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft
		Latitude:	32° 8' 20.266 N
		Longitude:	103° 33' 21.473 W
		Ground Level:	3,377.0 usft

Wellbore	Sidetrack 1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM2020	12/31/2020	6.47	59.72	47,644.40000000

Design	Sidetrack 1				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	12,455.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.0	0.0	0.0		355.81

Survey Program	Date	1/16/2021			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
260.0	12,455.0	QES MWD Survey (Wellbore #1)	MWD	OWSG MWD - Standard	
12,549.0	17,846.0	QES MWD Surveys (Sidetrack 1)	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	415,158.70	781,951.60	32° 8' 20.266 N	103° 33' 21.473 W
260.0	1.10	122.00	260.0	-1.3	2.1	415,157.38	781,953.71	32° 8' 20.253 N	103° 33' 21.448 W
382.0	1.10	135.60	382.0	-2.8	3.9	415,155.92	781,955.53	32° 8' 20.238 N	103° 33' 21.427 W
502.0	1.00	155.60	501.9	-4.6	5.2	415,154.14	781,956.76	32° 8' 20.221 N	103° 33' 21.413 W
625.0	0.50	161.10	624.9	-6.0	5.8	415,152.66	781,957.38	32° 8' 20.206 N	103° 33' 21.406 W
719.0	0.30	169.20	718.9	-6.7	6.0	415,152.03	781,957.56	32° 8' 20.200 N	103° 33' 21.404 W
812.0	0.20	228.70	811.9	-7.0	5.9	415,151.68	781,957.48	32° 8' 20.196 N	103° 33' 21.405 W
905.0	0.50	339.90	904.9	-6.7	5.6	415,151.96	781,957.22	32° 8' 20.199 N	103° 33' 21.408 W
999.0	0.80	335.10	998.9	-5.8	5.2	415,152.94	781,956.81	32° 8' 20.209 N	103° 33' 21.413 W
1,092.0	0.90	319.60	1,091.9	-4.6	4.5	415,154.08	781,956.06	32° 8' 20.220 N	103° 33' 21.421 W
1,185.0	1.40	327.40	1,184.9	-3.1	3.4	415,155.59	781,954.97	32° 8' 20.235 N	103° 33' 21.434 W



QES

Survey Report - Geographic



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Wellbore:	Sidetrack 1	Survey Calculation Method:	Minimum Curvature
Design:	Sidetrack 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
1,245.0	1.90	334.10	1,244.9	-1.6	2.5	415,157.11	781,954.14	32° 8' 20.250 N	103° 33' 21.443 W
1,338.0	2.10	262.30	1,337.8	-0.4	0.2	415,158.27	781,951.78	32° 8' 20.262 N	103° 33' 21.471 W
1,431.0	3.50	233.30	1,430.7	-2.4	-3.8	415,156.34	781,947.82	32° 8' 20.243 N	103° 33' 21.517 W
1,524.0	4.00	231.20	1,523.5	-6.1	-8.6	415,152.61	781,943.01	32° 8' 20.207 N	103° 33' 21.573 W
1,618.0	4.40	215.40	1,617.3	-11.1	-13.2	415,147.62	781,938.37	32° 8' 20.158 N	103° 33' 21.627 W
1,711.0	4.80	209.30	1,710.0	-17.4	-17.2	415,141.32	781,934.40	32° 8' 20.095 N	103° 33' 21.674 W
1,804.0	4.80	211.60	1,802.6	-24.1	-21.1	415,134.61	781,930.46	32° 8' 20.029 N	103° 33' 21.721 W
1,897.0	5.10	214.50	1,895.3	-30.8	-25.5	415,127.89	781,926.08	32° 8' 19.963 N	103° 33' 21.772 W
1,990.0	5.00	217.80	1,987.9	-37.4	-30.3	415,121.28	781,921.25	32° 8' 19.898 N	103° 33' 21.829 W
2,084.0	4.80	218.70	2,081.6	-43.7	-35.3	415,114.97	781,916.28	32° 8' 19.836 N	103° 33' 21.887 W
2,177.0	5.10	220.20	2,174.2	-49.9	-40.4	415,108.78	781,911.18	32° 8' 19.775 N	103° 33' 21.947 W
2,270.0	4.80	220.90	2,266.9	-56.0	-45.6	415,102.68	781,905.96	32° 8' 19.715 N	103° 33' 22.008 W
2,363.0	4.60	223.10	2,359.6	-61.7	-50.7	415,097.02	781,900.87	32° 8' 19.660 N	103° 33' 22.068 W
2,457.0	4.50	224.10	2,453.3	-67.1	-55.9	415,091.62	781,895.73	32° 8' 19.606 N	103° 33' 22.128 W
2,550.0	4.40	223.20	2,546.0	-72.3	-60.9	415,086.40	781,890.75	32° 8' 19.555 N	103° 33' 22.186 W
2,643.0	4.40	224.50	2,638.7	-77.4	-65.8	415,081.25	781,885.80	32° 8' 19.505 N	103° 33' 22.244 W
2,736.0	4.00	221.80	2,731.5	-82.4	-70.5	415,076.29	781,881.14	32° 8' 19.456 N	103° 33' 22.299 W
2,830.0	4.80	204.10	2,825.2	-88.4	-74.2	415,070.25	781,877.35	32° 8' 19.396 N	103° 33' 22.344 W
2,923.0	5.20	199.10	2,917.9	-96.0	-77.2	415,062.72	781,874.38	32° 8' 19.322 N	103° 33' 22.379 W
3,016.0	4.70	193.90	3,010.5	-103.7	-79.5	415,055.04	781,872.09	32° 8' 19.246 N	103° 33' 22.406 W
3,109.0	4.60	192.40	3,103.2	-111.0	-81.2	415,047.70	781,870.37	32° 8' 19.174 N	103° 33' 22.427 W
3,203.0	4.30	186.80	3,196.9	-118.2	-82.5	415,040.52	781,869.14	32° 8' 19.103 N	103° 33' 22.441 W
3,296.0	4.40	204.20	3,289.7	-124.9	-84.3	415,033.80	781,867.27	32° 8' 19.036 N	103° 33' 22.464 W
3,389.0	4.40	209.20	3,382.4	-131.3	-87.5	415,027.43	781,864.07	32° 8' 18.974 N	103° 33' 22.502 W
3,483.0	4.20	205.50	3,476.1	-137.5	-90.8	415,021.18	781,860.82	32° 8' 18.912 N	103° 33' 22.540 W
3,576.0	4.30	205.40	3,568.9	-143.7	-93.7	415,014.96	781,857.86	32° 8' 18.851 N	103° 33' 22.575 W
3,669.0	3.80	207.80	3,661.6	-149.6	-96.7	415,009.08	781,854.93	32° 8' 18.793 N	103° 33' 22.609 W
3,762.0	3.70	211.40	3,754.4	-154.9	-99.7	415,003.79	781,851.93	32° 8' 18.741 N	103° 33' 22.645 W
3,856.0	3.70	216.50	3,848.2	-159.9	-103.1	414,998.77	781,848.55	32° 8' 18.691 N	103° 33' 22.685 W
3,949.0	3.40	219.90	3,941.1	-164.5	-106.6	414,994.24	781,844.99	32° 8' 18.646 N	103° 33' 22.726 W
4,042.0	3.30	224.30	4,033.9	-168.5	-110.2	414,990.21	781,841.35	32° 8' 18.607 N	103° 33' 22.769 W
4,136.0	3.00	208.10	4,127.8	-172.6	-113.3	414,986.10	781,838.30	32° 8' 18.566 N	103° 33' 22.805 W
4,229.0	3.00	204.50	4,220.6	-177.0	-115.4	414,981.74	781,836.15	32° 8' 18.523 N	103° 33' 22.830 W
4,322.0	2.90	188.30	4,313.5	-181.5	-116.8	414,977.20	781,834.80	32° 8' 18.479 N	103° 33' 22.846 W
4,415.0	4.80	192.00	4,406.3	-187.6	-117.9	414,971.06	781,833.65	32° 8' 18.418 N	103° 33' 22.860 W
4,509.0	5.80	197.30	4,499.9	-196.0	-120.2	414,962.68	781,831.42	32° 8' 18.335 N	103° 33' 22.887 W
4,602.0	6.00	188.60	4,592.4	-205.3	-122.3	414,953.39	781,829.30	32° 8' 18.243 N	103° 33' 22.912 W
4,695.0	6.50	195.20	4,684.8	-215.2	-124.4	414,943.50	781,827.19	32° 8' 18.146 N	103° 33' 22.938 W
4,788.0	7.10	210.00	4,777.2	-225.3	-128.7	414,933.44	781,822.94	32° 8' 18.046 N	103° 33' 22.988 W
4,881.0	6.80	217.30	4,869.5	-234.6	-134.9	414,924.09	781,816.73	32° 8' 17.954 N	103° 33' 23.061 W
4,974.0	6.50	216.90	4,961.9	-243.2	-141.4	414,915.50	781,810.23	32° 8' 17.870 N	103° 33' 23.137 W
5,068.0	6.50	218.10	5,055.3	-251.6	-147.8	414,907.05	781,803.75	32° 8' 17.787 N	103° 33' 23.213 W
5,161.0	6.40	219.00	5,147.7	-259.8	-154.4	414,898.88	781,797.24	32° 8' 17.706 N	103° 33' 23.290 W
5,254.0	6.60	219.40	5,240.1	-268.0	-161.0	414,890.73	781,790.59	32° 8' 17.626 N	103° 33' 23.368 W
5,347.0	6.50	218.20	5,332.5	-276.2	-167.7	414,882.46	781,783.94	32° 8' 17.545 N	103° 33' 23.446 W
5,441.0	6.80	217.90	5,425.9	-284.8	-174.4	414,873.89	781,777.23	32° 8' 17.460 N	103° 33' 23.524 W
5,534.0	6.50	216.50	5,518.2	-293.4	-180.9	414,865.31	781,770.72	32° 8' 17.376 N	103° 33' 23.601 W
5,627.0	6.40	218.10	5,610.6	-301.7	-187.2	414,857.00	781,764.39	32° 8' 17.294 N	103° 33' 23.675 W
5,720.0	6.30	217.00	5,703.1	-309.9	-193.5	414,848.85	781,758.12	32° 8' 17.214 N	103° 33' 23.749 W
5,813.0	6.30	216.70	5,795.5	-318.0	-199.6	414,840.68	781,752.00	32° 8' 17.134 N	103° 33' 23.821 W
5,907.0	6.50	215.70	5,888.9	-326.5	-205.8	414,832.22	781,745.81	32° 8' 17.050 N	103° 33' 23.893 W
6,000.0	6.10	212.50	5,981.4	-334.9	-211.5	414,823.78	781,740.08	32° 8' 16.967 N	103° 33' 23.961 W
6,093.0	5.80	212.40	6,073.9	-343.1	-216.7	414,815.65	781,734.91	32° 8' 16.887 N	103° 33' 24.021 W
6,187.0	5.70	212.90	6,167.4	-351.0	-221.8	414,807.72	781,729.83	32° 8' 16.809 N	103° 33' 24.081 W
6,280.0	5.50	212.70	6,260.0	-358.6	-226.7	414,800.09	781,724.91	32° 8' 16.734 N	103° 33' 24.139 W



QES

Survey Report - Geographic



Company:	BTA Oil Producers, LLC	Local Co-ordinate Reference:	Well Vaca Draw 9418 10 Fed #25H
Project:	Lea County, NM (NAD 83)	TVD Reference:	WELL @ 3402.0usft (Patterson #566)
Site:	Sec 10, T25-S, R33-E	MD Reference:	WELL @ 3402.0usft (Patterson #566)
Well:	Vaca Draw 9418 10 Fed #25H	North Reference:	Grid
Wellbore:	Sidetrack 1	Survey Calculation Method:	Minimum Curvature
Design:	Sidetrack 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
6,373.0	5.40	212.20	6,352.5	-366.1	-231.4	414,792.64	781,720.18	32° 8' 16.660 N	103° 33' 24.195 W
6,466.0	5.60	211.90	6,445.1	-373.6	-236.2	414,785.08	781,715.45	32° 8' 16.586 N	103° 33' 24.250 W
6,560.0	5.50	209.50	6,538.7	-381.4	-240.8	414,777.27	781,710.80	32° 8' 16.509 N	103° 33' 24.305 W
6,653.0	5.60	210.90	6,631.2	-389.2	-245.3	414,769.49	781,706.28	32° 8' 16.432 N	103° 33' 24.358 W
6,746.0	5.60	209.20	6,723.8	-397.1	-249.9	414,761.64	781,701.73	32° 8' 16.355 N	103° 33' 24.412 W
6,839.0	4.80	221.20	6,816.4	-403.9	-254.6	414,754.75	781,696.96	32° 8' 16.287 N	103° 33' 24.468 W
6,933.0	4.30	216.80	6,910.1	-409.7	-259.3	414,748.97	781,692.26	32° 8' 16.230 N	103° 33' 24.523 W
7,026.0	2.90	246.50	7,002.9	-413.5	-263.6	414,745.24	781,688.01	32° 8' 16.194 N	103° 33' 24.573 W
7,119.0	2.80	307.20	7,095.8	-413.0	-267.6	414,745.67	781,684.04	32° 8' 16.198 N	103° 33' 24.619 W
7,213.0	2.90	352.60	7,189.7	-409.3	-269.7	414,749.42	781,681.91	32° 8' 16.236 N	103° 33' 24.643 W
7,306.0	3.00	1.30	7,282.6	-404.5	-269.9	414,754.19	781,681.66	32° 8' 16.283 N	103° 33' 24.646 W
7,399.0	2.90	0.20	7,375.5	-399.7	-269.9	414,758.97	781,681.72	32° 8' 16.330 N	103° 33' 24.645 W
7,492.0	2.70	358.40	7,468.4	-395.2	-269.9	414,763.51	781,681.67	32° 8' 16.375 N	103° 33' 24.645 W
7,586.0	2.70	356.30	7,562.3	-390.8	-270.1	414,767.94	781,681.46	32° 8' 16.419 N	103° 33' 24.647 W
7,679.0	2.20	348.10	7,655.2	-386.8	-270.6	414,771.87	781,680.96	32° 8' 16.458 N	103° 33' 24.653 W
7,772.0	1.60	22.90	7,748.1	-383.9	-270.5	414,774.81	781,681.09	32° 8' 16.487 N	103° 33' 24.651 W
7,866.0	1.60	39.80	7,842.1	-381.7	-269.2	414,777.03	781,682.44	32° 8' 16.509 N	103° 33' 24.635 W
7,959.0	1.40	43.90	7,935.1	-379.9	-267.5	414,778.85	781,684.06	32° 8' 16.527 N	103° 33' 24.616 W
8,052.0	1.10	53.10	8,028.0	-378.5	-266.0	414,780.20	781,685.56	32° 8' 16.540 N	103° 33' 24.598 W
8,141.0	1.20	63.00	8,117.0	-377.6	-264.5	414,781.14	781,687.08	32° 8' 16.549 N	103° 33' 24.581 W
8,235.0	1.00	68.00	8,211.0	-376.8	-262.9	414,781.89	781,688.71	32° 8' 16.556 N	103° 33' 24.562 W
8,328.0	1.00	67.70	8,304.0	-376.2	-261.4	414,782.50	781,690.22	32° 8' 16.562 N	103° 33' 24.544 W
8,421.0	0.70	95.30	8,397.0	-375.9	-260.1	414,782.76	781,691.53	32° 8' 16.565 N	103° 33' 24.529 W
8,514.0	0.30	117.10	8,490.0	-376.1	-259.3	414,782.59	781,692.32	32° 8' 16.563 N	103° 33' 24.520 W
8,607.0	0.30	105.90	8,583.0	-376.3	-258.8	414,782.42	781,692.77	32° 8' 16.561 N	103° 33' 24.514 W
8,700.0	0.50	109.40	8,676.0	-376.5	-258.2	414,782.22	781,693.38	32° 8' 16.559 N	103° 33' 24.507 W
8,794.0	0.60	120.00	8,770.0	-376.9	-257.4	414,781.83	781,694.20	32° 8' 16.555 N	103° 33' 24.498 W
8,887.0	0.70	148.50	8,863.0	-377.6	-256.7	414,781.10	781,694.92	32° 8' 16.548 N	103° 33' 24.489 W
8,980.0	0.50	166.00	8,956.0	-378.5	-256.3	414,780.23	781,695.31	32° 8' 16.539 N	103° 33' 24.485 W
9,073.0	0.50	165.20	9,049.0	-379.3	-256.1	414,779.44	781,695.51	32° 8' 16.532 N	103° 33' 24.483 W
9,166.0	0.50	168.60	9,142.0	-380.0	-255.9	414,778.65	781,695.70	32° 8' 16.524 N	103° 33' 24.481 W
9,259.0	0.30	174.70	9,235.0	-380.7	-255.8	414,778.01	781,695.80	32° 8' 16.518 N	103° 33' 24.479 W
9,352.0	0.40	194.20	9,327.9	-381.2	-255.9	414,777.45	781,695.74	32° 8' 16.512 N	103° 33' 24.480 W
9,445.0	0.70	178.30	9,420.9	-382.1	-255.9	414,776.57	781,695.68	32° 8' 16.503 N	103° 33' 24.481 W
9,539.0	0.50	138.80	9,514.9	-383.0	-255.6	414,775.69	781,695.97	32° 8' 16.495 N	103° 33' 24.478 W
9,632.0	0.40	216.20	9,607.9	-383.6	-255.6	414,775.12	781,696.04	32° 8' 16.489 N	103° 33' 24.477 W
9,725.0	0.40	272.90	9,700.9	-383.8	-256.1	414,774.88	781,695.53	32° 8' 16.486 N	103° 33' 24.483 W
9,818.0	0.90	285.00	9,793.9	-383.6	-257.1	414,775.08	781,694.50	32° 8' 16.489 N	103° 33' 24.495 W
9,911.0	0.50	314.50	9,886.9	-383.1	-258.1	414,775.55	781,693.50	32° 8' 16.493 N	103° 33' 24.506 W
10,005.0	0.40	319.00	9,980.9	-382.6	-258.6	414,776.09	781,692.99	32° 8' 16.499 N	103° 33' 24.512 W
10,098.0	0.60	269.50	10,073.9	-382.4	-259.3	414,776.33	781,692.29	32° 8' 16.501 N	103° 33' 24.520 W
10,191.0	1.70	258.10	10,166.9	-382.7	-261.1	414,776.04	781,690.46	32° 8' 16.498 N	103° 33' 24.542 W
10,284.0	0.10	336.80	10,259.9	-382.9	-262.5	414,775.83	781,689.08	32° 8' 16.496 N	103° 33' 24.558 W
10,377.0	0.10	353.90	10,352.9	-382.7	-262.6	414,775.99	781,689.03	32° 8' 16.498 N	103° 33' 24.558 W
10,471.0	0.40	159.70	10,446.9	-382.9	-262.5	414,775.76	781,689.14	32° 8' 16.496 N	103° 33' 24.557 W
10,564.0	1.00	163.70	10,539.9	-384.0	-262.1	414,774.68	781,689.48	32° 8' 16.485 N	103° 33' 24.553 W
10,657.0	1.50	160.90	10,632.9	-386.0	-261.5	414,772.75	781,690.11	32° 8' 16.466 N	103° 33' 24.546 W
10,750.0	1.00	259.40	10,725.8	-387.3	-261.9	414,771.45	781,689.71	32° 8' 16.453 N	103° 33' 24.551 W
10,843.0	0.90	270.00	10,818.8	-387.4	-263.4	414,771.30	781,688.18	32° 8' 16.452 N	103° 33' 24.569 W
10,937.0	0.70	233.80	10,912.8	-387.7	-264.6	414,770.96	781,686.98	32° 8' 16.448 N	103° 33' 24.583 W
11,030.0	0.50	260.70	11,005.8	-388.1	-265.5	414,770.56	781,686.12	32° 8' 16.444 N	103° 33' 24.593 W
11,123.0	0.40	281.90	11,098.8	-388.1	-266.2	414,770.56	781,685.40	32° 8' 16.445 N	103° 33' 24.601 W
11,217.0	0.40	223.00	11,192.8	-388.3	-266.7	414,770.39	781,684.86	32° 8' 16.443 N	103° 33' 24.607 W
11,310.0	1.30	192.60	11,285.8	-389.6	-267.2	414,769.12	781,684.40	32° 8' 16.430 N	103° 33' 24.613 W
11,403.0	1.30	215.80	11,378.8	-391.5	-268.0	414,767.24	781,683.56	32° 8' 16.412 N	103° 33' 24.623 W



QES

Survey Report - Geographic



Company:	BTA Oil Producers, LLC	Local Co-ordinate Reference:	Well Vaca Draw 9418 10 Fed #25H
Project:	Lea County, NM (NAD 83)	TVD Reference:	WELL @ 3402.0usft (Patterson #566)
Site:	Sec 10, T25-S, R33-E	MD Reference:	WELL @ 3402.0usft (Patterson #566)
Well:	Vaca Draw 9418 10 Fed #25H	North Reference:	Grid
Wellbore:	Sidetrack 1	Survey Calculation Method:	Minimum Curvature
Design:	Sidetrack 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
11,496.0	0.40	231.70	11,471.8	-392.5	-268.9	414,766.18	781,682.68	32° 8' 16.401 N	103° 33' 24.633 W
11,589.0	1.00	205.90	11,564.8	-393.5	-269.5	414,765.25	781,682.08	32° 8' 16.392 N	103° 33' 24.640 W
11,682.0	0.30	46.00	11,657.7	-394.0	-269.7	414,764.69	781,681.90	32° 8' 16.387 N	103° 33' 24.642 W
11,776.0	1.10	136.60	11,751.7	-394.5	-268.9	414,764.20	781,682.69	32° 8' 16.382 N	103° 33' 24.633 W
11,869.0	1.90	140.10	11,844.7	-396.3	-267.3	414,762.37	781,684.30	32° 8' 16.364 N	103° 33' 24.615 W
11,962.0	2.00	150.50	11,937.7	-398.9	-265.5	414,759.78	781,686.08	32° 8' 16.338 N	103° 33' 24.594 W
12,055.0	1.10	146.90	12,030.6	-401.1	-264.2	414,757.62	781,687.37	32° 8' 16.316 N	103° 33' 24.579 W
12,148.0	1.20	143.90	12,123.6	-402.6	-263.2	414,756.08	781,688.43	32° 8' 16.301 N	103° 33' 24.567 W
12,262.0	1.10	152.50	12,237.6	-404.6	-262.0	414,754.15	781,689.64	32° 8' 16.282 N	103° 33' 24.553 W
12,320.0	1.10	159.20	12,295.6	-405.6	-261.5	414,753.13	781,690.09	32° 8' 16.272 N	103° 33' 24.548 W
12,360.0	0.80	158.60	12,335.6	-406.2	-261.3	414,752.51	781,690.33	32° 8' 16.266 N	103° 33' 24.545 W
12,455.0	12.20	352.90	12,429.9	-396.8	-262.3	414,761.90	781,689.33	32° 8' 16.359 N	103° 33' 24.556 W
ST01 Tie-in @ 12455.0' MD / 12429.9' TVD									
12,549.0	25.40	340.50	12,518.7	-367.8	-270.3	414,790.89	781,681.33	32° 8' 16.646 N	103° 33' 24.647 W
12,581.0	28.70	331.70	12,547.2	-354.6	-276.2	414,804.14	781,675.40	32° 8' 16.777 N	103° 33' 24.715 W
12,644.0	38.60	334.20	12,599.6	-323.5	-292.0	414,835.23	781,659.63	32° 8' 17.086 N	103° 33' 24.895 W
12,739.0	53.50	350.50	12,665.6	-258.5	-311.3	414,900.16	781,640.26	32° 8' 17.730 N	103° 33' 25.115 W
12,834.0	65.10	356.30	12,714.0	-177.6	-320.5	414,981.14	781,631.14	32° 8' 18.532 N	103° 33' 25.214 W
12,926.3	67.24	354.84	12,751.3	-93.4	-327.0	415,065.31	781,624.61	32° 8' 19.365 N	103° 33' 25.283 W
ST01 Crossed 330' FSL @ 12926.3' MD / 12751.3' TVD									
12,929.0	67.30	354.80	12,752.4	-90.9	-327.2	415,067.79	781,624.38	32° 8' 19.390 N	103° 33' 25.286 W
13,024.0	70.40	354.60	12,786.6	-2.7	-335.4	415,156.00	781,616.20	32° 8' 20.263 N	103° 33' 25.373 W
13,119.0	74.20	355.90	12,815.5	87.5	-342.9	415,246.17	781,608.72	32° 8' 21.156 N	103° 33' 25.453 W
13,215.0	84.00	359.90	12,833.6	181.5	-346.3	415,340.25	781,605.32	32° 8' 22.087 N	103° 33' 25.485 W
13,344.0	91.30	1.30	12,838.9	310.3	-344.9	415,469.04	781,606.68	32° 8' 23.362 N	103° 33' 25.458 W
13,439.0	92.00	359.50	12,836.2	405.3	-344.3	415,563.99	781,607.34	32° 8' 24.301 N	103° 33' 25.442 W
13,535.0	91.50	0.00	12,833.3	501.2	-344.7	415,659.95	781,606.92	32° 8' 25.251 N	103° 33' 25.439 W
13,629.0	92.70	359.20	12,829.8	595.2	-345.3	415,753.88	781,606.26	32° 8' 26.180 N	103° 33' 25.439 W
13,725.0	90.50	359.60	12,827.1	691.1	-346.3	415,849.83	781,605.26	32° 8' 27.130 N	103° 33' 25.443 W
13,819.0	91.30	359.50	12,825.7	785.1	-347.1	415,943.82	781,604.52	32° 8' 28.060 N	103° 33' 25.443 W
13,915.0	89.80	0.70	12,824.7	881.1	-346.9	416,039.81	781,604.69	32° 8' 29.010 N	103° 33' 25.433 W
14,009.0	90.70	0.20	12,824.3	975.1	-346.2	416,133.80	781,605.43	32° 8' 29.940 N	103° 33' 25.417 W
14,104.0	92.20	359.40	12,821.9	1,070.1	-346.5	416,228.77	781,605.10	32° 8' 30.880 N	103° 33' 25.413 W
14,199.0	90.60	1.10	12,819.6	1,165.0	-346.1	416,323.73	781,605.51	32° 8' 31.819 N	103° 33' 25.400 W
14,295.0	86.50	1.10	12,822.0	1,261.0	-344.2	416,419.66	781,607.35	32° 8' 32.768 N	103° 33' 25.370 W
14,389.0	86.70	1.70	12,827.6	1,354.8	-342.0	416,513.47	781,609.65	32° 8' 33.696 N	103° 33' 25.336 W
14,483.0	86.40	0.90	12,833.3	1,448.6	-339.8	416,607.27	781,611.77	32° 8' 34.625 N	103° 33' 25.303 W
14,577.0	90.20	1.60	12,836.1	1,542.5	-337.8	416,701.19	781,613.82	32° 8' 35.554 N	103° 33' 25.272 W
14,671.0	93.00	0.90	12,833.4	1,636.4	-335.7	416,795.12	781,615.87	32° 8' 36.483 N	103° 33' 25.240 W
14,766.0	91.30	0.20	12,829.9	1,731.3	-334.8	416,890.05	781,616.79	32° 8' 37.422 N	103° 33' 25.221 W
14,861.0	92.70	0.40	12,826.6	1,826.3	-334.3	416,984.99	781,617.28	32° 8' 38.362 N	103° 33' 25.208 W
14,957.0	89.70	359.70	12,824.5	1,922.3	-334.2	417,080.95	781,617.37	32° 8' 39.311 N	103° 33' 25.199 W
15,052.0	90.20	359.50	12,824.6	2,017.3	-334.9	417,175.95	781,616.70	32° 8' 40.251 N	103° 33' 25.198 W
15,147.0	91.40	358.50	12,823.3	2,112.2	-336.6	417,270.92	781,615.05	32° 8' 41.191 N	103° 33' 25.210 W
15,241.0	89.20	359.10	12,822.8	2,206.2	-338.5	417,364.90	781,613.08	32° 8' 42.121 N	103° 33' 25.225 W
15,335.0	88.70	358.80	12,824.5	2,300.2	-340.2	417,458.86	781,611.35	32° 8' 43.051 N	103° 33' 25.237 W
15,429.0	90.00	358.50	12,825.6	2,394.1	-342.5	417,552.83	781,609.14	32° 8' 43.981 N	103° 33' 25.255 W
15,525.0	88.80	359.90	12,826.6	2,490.1	-343.8	417,648.81	781,607.80	32° 8' 44.931 N	103° 33' 25.262 W
15,620.0	90.10	0.50	12,827.5	2,585.1	-343.5	417,743.80	781,608.13	32° 8' 45.871 N	103° 33' 25.250 W
15,715.0	90.40	359.80	12,827.1	2,680.1	-343.2	417,838.80	781,608.38	32° 8' 46.811 N	103° 33' 25.240 W
15,810.0	91.30	359.50	12,825.7	2,775.1	-343.8	417,933.79	781,607.80	32° 8' 47.751 N	103° 33' 25.238 W
15,905.0	89.20	359.40	12,825.3	2,870.1	-344.7	418,028.78	781,606.89	32° 8' 48.691 N	103° 33' 25.241 W
15,999.0	89.40	358.60	12,826.4	2,964.1	-346.3	418,122.75	781,605.25	32° 8' 49.621 N	103° 33' 25.252 W
16,094.0	89.50	357.90	12,827.3	3,059.0	-349.3	418,217.71	781,602.35	32° 8' 50.561 N	103° 33' 25.278 W
16,188.0	90.50	356.60	12,827.3	3,152.9	-353.8	418,311.59	781,597.84	32° 8' 51.490 N	103° 33' 25.322 W



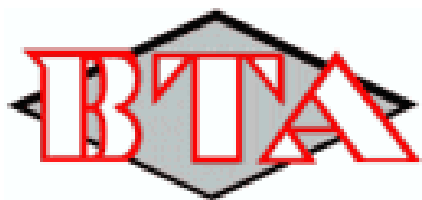
QES
Survey Report - Geographic



Company:	BTA Oil Producers, LLC	Local Co-ordinate Reference:	Well Vaca Draw 9418 10 Fed #25H
Project:	Lea County, NM (NAD 83)	TVD Reference:	WELL @ 3402.0usft (Patterson #566)
Site:	Sec 10, T25-S, R33-E	MD Reference:	WELL @ 3402.0usft (Patterson #566)
Well:	Vaca Draw 9418 10 Fed #25H	North Reference:	Grid
Wellbore:	Sidetrack 1	Survey Calculation Method:	Minimum Curvature
Design:	Sidetrack 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
16,283.0	89.80	358.80	12,827.1	3,247.8	-357.6	418,406.51	781,594.02	32° 8' 52.430 N	103° 33' 25.359 W
16,377.0	90.60	358.70	12,826.8	3,341.8	-359.6	418,500.49	781,591.97	32° 8' 53.360 N	103° 33' 25.375 W
16,472.0	90.00	1.10	12,826.3	3,436.8	-359.8	418,595.48	781,591.81	32° 8' 54.300 N	103° 33' 25.369 W
16,566.0	91.10	2.40	12,825.4	3,530.7	-356.9	418,689.43	781,594.68	32° 8' 55.229 N	103° 33' 25.328 W
16,661.0	89.50	2.20	12,824.9	3,625.6	-353.1	418,784.35	781,598.49	32° 8' 56.168 N	103° 33' 25.275 W
16,756.0	89.10	1.90	12,826.0	3,720.6	-349.7	418,879.28	781,601.89	32° 8' 57.107 N	103° 33' 25.228 W
16,851.0	89.40	1.20	12,827.3	3,815.5	-347.1	418,974.23	781,604.46	32° 8' 58.047 N	103° 33' 25.190 W
16,946.0	89.40	2.20	12,828.3	3,910.5	-344.3	419,069.19	781,607.28	32° 8' 58.986 N	103° 33' 25.149 W
17,041.0	89.80	359.30	12,828.9	4,005.5	-343.1	419,164.16	781,608.52	32° 8' 59.926 N	103° 33' 25.127 W
17,136.0	90.90	359.20	12,828.3	4,100.5	-344.3	419,259.15	781,607.28	32° 9' 0.866 N	103° 33' 25.133 W
17,230.0	92.70	359.20	12,825.4	4,194.4	-345.6	419,353.09	781,605.96	32° 9' 1.796 N	103° 33' 25.141 W
17,325.0	90.30	0.00	12,822.9	4,289.4	-346.3	419,448.05	781,605.30	32° 9' 2.735 N	103° 33' 25.140 W
17,421.0	90.50	359.30	12,822.2	4,385.3	-346.9	419,544.05	781,604.72	32° 9' 3.685 N	103° 33' 25.139 W
17,515.0	92.00	358.80	12,820.2	4,479.3	-348.4	419,638.01	781,603.16	32° 9' 4.615 N	103° 33' 25.149 W
17,566.8	92.59	358.15	12,818.1	4,531.0	-349.8	419,689.75	781,601.78	32° 9' 5.127 N	103° 33' 25.161 W
ST01 Crossed 330' FNL @ 17566.8' MD / 12818.1' TVD									
17,611.0	93.10	357.60	12,815.9	4,575.2	-351.5	419,733.86	781,600.15	32° 9' 5.564 N	103° 33' 25.176 W
17,705.0	88.20	358.60	12,814.8	4,669.1	-354.6	419,827.78	781,597.03	32° 9' 6.493 N	103° 33' 25.205 W
17,788.0	87.60	358.70	12,817.9	4,752.0	-356.5	419,910.70	781,595.08	32° 9' 7.314 N	103° 33' 25.220 W
17,846.0	87.60	358.70	12,820.3	4,809.9	-357.8	419,968.63	781,593.76	32° 9' 7.887 N	103° 33' 25.231 W
ST01 TD @ 17846.0' MD / 12820.3' TVD									

Design Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
12,455.0	12,429.9	-396.8	-262.3	ST01 Tie-in @ 12455.0' MD / 12429.9' TVD	
12,926.3	12,751.3	-93.4	-327.0	ST01 Crossed 330' FSL @ 12926.3' MD / 12751.3' TVD	
17,566.8	12,818.1	4,531.0	-349.8	ST01 Crossed 330' FNL @ 17566.8' MD / 12818.1' TVD	
17,846.0	12,820.3	4,809.9	-357.8	ST01 TD @ 17846.0' MD / 12820.3' TVD	



BTA Oil Producers, LLC

Lea County, NM (NAD 83)

Sec 10, T25-S, R33-E

Vaca Draw 9418 10 Fed #25H

Wellbore #1

Design: Wellbore #1

QES Survey Report

16 January, 2021





QES Survey Report



Company:	BTA Oil Producers, LLC	Local Co-ordinate Reference:	Well Vaca Draw 9418 10 Fed #25H
Project:	Lea County, NM (NAD 83)	TVD Reference:	WELL @ 3402.0usft (Patterson #566)
Site:	Sec 10, T25-S, R33-E	MD Reference:	WELL @ 3402.0usft (Patterson #566)
Well:	Vaca Draw 9418 10 Fed #25H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #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 10, T25-S, R33-E			
Site Position:		Northing:	414,940.60 usft	Latitude:	32° 8' 18.299 N
From:	Map	Easting:	779,261.40 usft	Longitude:	103° 33' 52.777 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.41 °

Well	Vaca Draw 9418 10 Fed #25H					
Well Position	+N/-S	0.0 usft	Northing:	415,158.70 usft	Latitude:	32° 8' 20.266 N
	+E/-W	0.0 usft	Easting:	781,951.60 usft	Longitude:	103° 33' 21.473 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	usft	Ground Level:	3,377.0 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM2020	11/17/2020	6.47	59.72	47,657.20000000

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	355.81	

Survey Program	Date	1/16/2021			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
260.0	13,176.0	QES MWD Survey (Wellbore #1)	MWD	OWSG MWD - Standard	

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
First MWD Survey @ 260.0' MD / 260.0' TVD									
260.0	1.10	122.00	260.0	-1.3	2.1	-1.5	0.42	0.42	0.00
382.0	1.10	135.60	382.0	-2.8	3.9	-3.1	0.21	0.00	11.15
502.0	1.00	155.60	501.9	-4.6	5.2	-4.9	0.31	-0.08	16.67
625.0	0.50	161.10	624.9	-6.0	5.8	-6.4	0.41	-0.41	4.47
719.0	0.30	169.20	718.9	-6.7	6.0	-7.1	0.22	-0.21	8.62
812.0	0.20	228.70	811.9	-7.0	5.9	-7.4	0.28	-0.11	63.98
905.0	0.50	339.90	904.9	-6.7	5.6	-7.1	0.65	0.32	119.57
999.0	0.80	335.10	998.9	-5.8	5.2	-6.1	0.32	0.32	-5.11
1,092.0	0.90	319.60	1,091.9	-4.6	4.5	-4.9	0.27	0.11	-16.67



QES Survey Report



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Site:	Sec 10, T25-S, R33-E	MD Reference:	WELL @ 3402.0usft (Patterson #566)
Well:	Vaca Draw 9418 10 Fed #25H	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)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
1,185.0	1.40	327.40	1,184.9	-3.1	3.4	-3.3	0.56	0.54	8.39
1,245.0	1.90	334.10	1,244.9	-1.6	2.5	-1.8	0.89	0.83	11.17
1,338.0	2.10	262.30	1,337.8	-0.4	0.2	-0.4	2.53	0.22	-77.20
1,431.0	3.50	233.30	1,430.7	-2.4	-3.8	-2.1	2.10	1.51	-31.18
1,524.0	4.00	231.20	1,523.5	-6.1	-8.6	-5.4	0.56	0.54	-2.26
1,618.0	4.40	215.40	1,617.3	-11.1	-13.2	-10.1	1.30	0.43	-16.81
1,711.0	4.80	209.30	1,710.0	-17.4	-17.2	-16.1	0.68	0.43	-6.56
1,804.0	4.80	211.60	1,802.6	-24.1	-21.1	-22.5	0.21	0.00	2.47
1,897.0	5.10	214.50	1,895.3	-30.8	-25.5	-28.9	0.42	0.32	3.12
1,990.0	5.00	217.80	1,987.9	-37.4	-30.3	-35.1	0.33	-0.11	3.55
2,084.0	4.80	218.70	2,081.6	-43.7	-35.3	-41.0	0.23	-0.21	0.96
2,177.0	5.10	220.20	2,174.2	-49.9	-40.4	-46.8	0.35	0.32	1.61
2,270.0	4.80	220.90	2,266.9	-56.0	-45.6	-52.5	0.33	-0.32	0.75
2,363.0	4.60	223.10	2,359.6	-61.7	-50.7	-57.8	0.29	-0.22	2.37
2,457.0	4.50	224.10	2,453.3	-67.1	-55.9	-62.8	0.14	-0.11	1.06
2,550.0	4.40	223.20	2,546.0	-72.3	-60.9	-67.7	0.13	-0.11	-0.97
2,643.0	4.40	224.50	2,638.7	-77.4	-65.8	-72.4	0.11	0.00	1.40
2,736.0	4.00	221.80	2,731.5	-82.4	-70.5	-77.0	0.48	-0.43	-2.90
2,830.0	4.80	204.10	2,825.2	-88.4	-74.2	-82.8	1.67	0.85	-18.83
2,923.0	5.20	199.10	2,917.9	-96.0	-77.2	-90.1	0.64	0.43	-5.38
3,016.0	4.70	193.90	3,010.5	-103.7	-79.5	-97.6	0.72	-0.54	-5.59
3,109.0	4.60	192.40	3,103.2	-111.0	-81.2	-104.8	0.17	-0.11	-1.61
3,203.0	4.30	186.80	3,196.9	-118.2	-82.5	-111.8	0.56	-0.32	-5.96
3,296.0	4.40	204.20	3,289.7	-124.9	-84.3	-118.4	1.42	0.11	18.71
3,389.0	4.40	209.20	3,382.4	-131.3	-87.5	-124.5	0.41	0.00	5.38
3,483.0	4.20	205.50	3,476.1	-137.5	-90.8	-130.5	0.36	-0.21	-3.94
3,576.0	4.30	205.40	3,568.9	-143.7	-93.7	-136.5	0.11	0.11	-0.11
3,669.0	3.80	207.80	3,661.6	-149.6	-96.7	-142.2	0.57	-0.54	2.58
3,762.0	3.70	211.40	3,754.4	-154.9	-99.7	-147.2	0.28	-0.11	3.87
3,856.0	3.70	216.50	3,848.2	-159.9	-103.1	-152.0	0.35	0.00	5.43
3,949.0	3.40	219.90	3,941.1	-164.5	-106.6	-156.2	0.39	-0.32	3.66
4,042.0	3.30	224.30	4,033.9	-168.5	-110.2	-160.0	0.30	-0.11	4.73
4,136.0	3.00	208.10	4,127.8	-172.6	-113.3	-163.9	1.00	-0.32	-17.23
4,229.0	3.00	204.50	4,220.6	-177.0	-115.4	-168.1	0.20	0.00	-3.87
4,322.0	2.90	188.30	4,313.5	-181.5	-116.8	-172.5	0.90	-0.11	-17.42
4,415.0	4.80	192.00	4,406.3	-187.6	-117.9	-178.5	2.06	2.04	3.98
4,509.0	5.80	197.30	4,499.9	-196.0	-120.2	-186.7	1.18	1.06	5.64
4,602.0	6.00	188.60	4,592.4	-205.3	-122.3	-195.8	0.98	0.22	-9.35
4,695.0	6.50	195.20	4,684.8	-215.2	-124.4	-205.5	0.94	0.54	7.10
4,788.0	7.10	210.00	4,777.2	-225.3	-128.7	-215.3	1.99	0.65	15.91
4,881.0	6.80	217.30	4,869.5	-234.6	-134.9	-224.1	1.00	-0.32	7.85
4,974.0	6.50	216.90	4,961.9	-243.2	-141.4	-232.2	0.33	-0.32	-0.43
5,068.0	6.50	218.10	5,055.3	-251.6	-147.8	-240.2	0.14	0.00	1.28



QES Survey Report



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Site:	Sec 10, T25-S, R33-E	MD Reference:	WELL @ 3402.0usft (Patterson #566)
Well:	Vaca Draw 9418 10 Fed #25H	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)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
5,161.0	6.40	219.00	5,147.7	-259.8	-154.4	-247.8	0.15	-0.11	0.97	
5,254.0	6.60	219.40	5,240.1	-268.0	-161.0	-255.5	0.22	0.22	0.43	
5,347.0	6.50	218.20	5,332.5	-276.2	-167.7	-263.3	0.18	-0.11	-1.29	
5,441.0	6.80	217.90	5,425.9	-284.8	-174.4	-271.3	0.32	0.32	-0.32	
5,534.0	6.50	216.50	5,518.2	-293.4	-180.9	-279.4	0.37	-0.32	-1.51	
5,627.0	6.40	218.10	5,610.6	-301.7	-187.2	-287.2	0.22	-0.11	1.72	
5,720.0	6.30	217.00	5,703.1	-309.9	-193.5	-294.9	0.17	-0.11	-1.18	
5,813.0	6.30	216.70	5,795.5	-318.0	-199.6	-302.6	0.04	0.00	-0.32	
5,907.0	6.50	215.70	5,888.9	-326.5	-205.8	-310.6	0.24	0.21	-1.06	
6,000.0	6.10	212.50	5,981.4	-334.9	-211.5	-318.6	0.57	-0.43	-3.44	
6,093.0	5.80	212.40	6,073.9	-343.1	-216.7	-326.3	0.32	-0.32	-0.11	
6,187.0	5.70	212.90	6,167.4	-351.0	-221.8	-333.8	0.12	-0.11	0.53	
6,280.0	5.50	212.70	6,260.0	-358.6	-226.7	-341.1	0.22	-0.22	-0.22	
6,373.0	5.40	212.20	6,352.5	-366.1	-231.4	-348.2	0.12	-0.11	-0.54	
6,466.0	5.60	211.90	6,445.1	-373.6	-236.2	-355.4	0.22	0.22	-0.32	
6,560.0	5.50	209.50	6,538.7	-381.4	-240.8	-362.8	0.27	-0.11	-2.55	
6,653.0	5.60	210.90	6,631.2	-389.2	-245.3	-370.2	0.18	0.11	1.51	
6,746.0	5.60	209.20	6,723.8	-397.1	-249.9	-377.7	0.18	0.00	-1.83	
6,839.0	4.80	221.20	6,816.4	-403.9	-254.6	-384.3	1.45	-0.86	12.90	
6,933.0	4.30	216.80	6,910.1	-409.7	-259.3	-389.7	0.65	-0.53	-4.68	
7,026.0	2.90	246.50	7,002.9	-413.5	-263.6	-393.1	2.46	-1.51	31.94	
7,119.0	2.80	307.20	7,095.8	-413.0	-267.6	-392.4	3.10	-0.11	65.27	
7,213.0	2.90	352.60	7,189.7	-409.3	-269.7	-388.5	2.34	0.11	48.30	
7,306.0	3.00	1.30	7,282.6	-404.5	-269.9	-383.7	0.49	0.11	9.35	
7,399.0	2.90	0.20	7,375.5	-399.7	-269.9	-378.9	0.12	-0.11	-1.18	
7,492.0	2.70	358.40	7,468.4	-395.2	-269.9	-374.4	0.23	-0.22	-1.94	
7,586.0	2.70	356.30	7,562.3	-390.8	-270.1	-370.0	0.11	0.00	-2.23	
7,679.0	2.20	348.10	7,655.2	-386.8	-270.6	-366.0	0.66	-0.54	-8.82	
7,772.0	1.60	22.90	7,748.1	-383.9	-270.5	-363.1	1.37	-0.65	37.42	
7,866.0	1.60	39.80	7,842.1	-381.7	-269.2	-361.0	0.50	0.00	17.98	
7,959.0	1.40	43.90	7,935.1	-379.9	-267.5	-359.3	0.24	-0.22	4.41	
8,052.0	1.10	53.10	8,028.0	-378.5	-266.0	-358.1	0.39	-0.32	9.89	
8,141.0	1.20	63.00	8,117.0	-377.6	-264.5	-357.2	0.25	0.11	11.12	
8,235.0	1.00	68.00	8,211.0	-376.8	-262.9	-356.6	0.24	-0.21	5.32	
8,328.0	1.00	67.70	8,304.0	-376.2	-261.4	-356.1	0.01	0.00	-0.32	
8,421.0	0.70	95.30	8,397.0	-375.9	-260.1	-355.9	0.54	-0.32	29.68	
8,514.0	0.30	117.10	8,490.0	-376.1	-259.3	-356.2	0.47	-0.43	23.44	
8,607.0	0.30	105.90	8,583.0	-376.3	-258.8	-356.4	0.06	0.00	-12.04	
8,700.0	0.50	109.40	8,676.0	-376.5	-258.2	-356.6	0.22	0.22	3.76	
8,794.0	0.60	120.00	8,770.0	-376.9	-257.4	-357.1	0.15	0.11	11.28	
8,887.0	0.70	148.50	8,863.0	-377.6	-256.7	-357.8	0.36	0.11	30.65	
8,980.0	0.50	166.00	8,956.0	-378.5	-256.3	-358.7	0.29	-0.22	18.82	
9,073.0	0.50	165.20	9,049.0	-379.3	-256.1	-359.5	0.01	0.00	-0.86	



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Well:	Vaca Draw 9418 10 Fed #25H	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)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
9,166.0	0.50	168.60	9,142.0	-380.0	-255.9	-360.3	0.03	0.00	3.66
9,259.0	0.30	174.70	9,235.0	-380.7	-255.8	-361.0	0.22	-0.22	6.56
9,352.0	0.40	194.20	9,327.9	-381.2	-255.9	-361.5	0.17	0.11	20.97
9,445.0	0.70	178.30	9,420.9	-382.1	-255.9	-362.4	0.36	0.32	-17.10
9,539.0	0.50	138.80	9,514.9	-383.0	-255.6	-363.3	0.48	-0.21	-42.02
9,632.0	0.40	216.20	9,607.9	-383.6	-255.6	-363.9	0.61	-0.11	83.23
9,725.0	0.40	272.90	9,700.9	-383.8	-256.1	-364.1	0.41	0.00	60.97
9,818.0	0.90	285.00	9,793.9	-383.6	-257.1	-363.8	0.55	0.54	13.01
9,911.0	0.50	314.50	9,886.9	-383.1	-258.1	-363.3	0.57	-0.43	31.72
10,005.0	0.40	319.00	9,980.9	-382.6	-258.6	-362.7	0.11	-0.11	4.79
10,098.0	0.60	269.50	10,073.9	-382.4	-259.3	-362.4	0.49	0.22	-53.23
10,191.0	1.70	258.10	10,166.9	-382.7	-261.1	-362.6	1.20	1.18	-12.26
10,284.0	0.10	336.80	10,259.9	-382.9	-262.5	-362.7	1.81	-1.72	84.62
10,377.0	0.10	353.90	10,352.9	-382.7	-262.6	-362.5	0.03	0.00	18.39
10,471.0	0.40	159.70	10,446.9	-382.9	-262.5	-362.7	0.53	0.32	176.38
10,564.0	1.00	163.70	10,539.9	-384.0	-262.1	-363.8	0.65	0.65	4.30
10,657.0	1.50	160.90	10,632.9	-386.0	-261.5	-365.8	0.54	0.54	-3.01
10,750.0	1.00	259.40	10,725.8	-387.3	-261.9	-367.1	2.07	-0.54	105.91
10,843.0	0.90	270.00	10,818.8	-387.4	-263.4	-367.1	0.22	-0.11	11.40
10,937.0	0.70	233.80	10,912.8	-387.7	-264.6	-367.4	0.57	-0.21	-38.51
11,030.0	0.50	260.70	11,005.8	-388.1	-265.5	-367.7	0.37	-0.22	28.92
11,123.0	0.40	281.90	11,098.8	-388.1	-266.2	-367.7	0.21	-0.11	22.80
11,217.0	0.40	223.00	11,192.8	-388.3	-266.7	-367.8	0.42	0.00	-62.66
11,310.0	1.30	192.60	11,285.8	-389.6	-267.2	-369.0	1.05	0.97	-32.69
11,403.0	1.30	215.80	11,378.8	-391.5	-268.0	-370.8	0.56	0.00	24.95
11,496.0	0.40	231.70	11,471.8	-392.5	-268.9	-371.8	0.99	-0.97	17.10
11,589.0	1.00	205.90	11,564.8	-393.5	-269.5	-372.7	0.71	0.65	-27.74
11,682.0	0.30	46.00	11,657.7	-394.0	-269.7	-373.3	1.38	-0.75	-171.94
11,776.0	1.10	136.60	11,751.7	-394.5	-268.9	-373.8	1.22	0.85	96.38
11,869.0	1.90	140.10	11,844.7	-396.3	-267.3	-375.7	0.87	0.86	3.76
11,962.0	2.00	150.50	11,937.7	-398.9	-265.5	-378.5	0.39	0.11	11.18
12,055.0	1.10	146.90	12,030.6	-401.1	-264.2	-380.7	0.97	-0.97	-3.87
12,148.0	1.20	143.90	12,123.6	-402.6	-263.2	-382.3	0.13	0.11	-3.23
12,262.0	1.10	152.50	12,237.6	-404.6	-262.0	-384.3	0.17	-0.09	7.54
12,320.0	1.10	159.20	12,295.6	-405.6	-261.5	-385.4	0.22	0.00	11.55
12,360.0	0.80	158.60	12,335.6	-406.2	-261.3	-386.0	0.75	-0.75	-1.50
12,455.0	12.20	352.90	12,429.9	-396.8	-262.3	-376.6	13.66	12.00	-174.42
12,550.0	31.20	358.70	12,517.8	-361.9	-264.1	-341.7	20.10	20.00	6.11
12,644.0	38.50	357.30	12,594.9	-308.3	-266.0	-288.0	7.81	7.77	-1.49
12,739.0	41.70	357.40	12,667.5	-247.2	-268.8	-226.9	3.37	3.37	0.11
12,834.0	52.10	357.30	12,732.3	-178.0	-272.1	-157.6	10.95	10.95	-0.11
12,929.0	70.70	352.30	12,777.6	-95.3	-279.9	-74.6	20.11	19.58	-5.26
OH Crossed 330° FSL @ 12931.5' MD / 12778.5' TVD									
12,931.5	70.88	352.26	12,778.5	-93.0	-280.2	-72.3	7.42	7.26	-1.64



QES
Survey Report



Company:	BTA Oil Producers, LLC	Local Co-ordinate Reference:	Well Vaca Draw 9418 10 Fed #25H
Project:	Lea County, NM (NAD 83)	TVD Reference:	WELL @ 3402.0usft (Patterson #566)
Site:	Sec 10, T25-S, R33-E	MD Reference:	WELL @ 3402.0usft (Patterson #566)
Well:	Vaca Draw 9418 10 Fed #25H	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)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
13,024.0	77.60	350.80	12,803.6	-5.0	-293.3	16.5	7.42	7.26	-1.58
13,119.0	78.30	351.70	12,823.4	86.8	-307.5	109.1	1.18	0.74	0.95
OH TD @ 13176.0' MD / 12835.0' TVD									
13,176.0	78.30	351.70	12,835.0	142.1	-315.5	164.7	0.00	0.00	0.00

Design Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
260.0	260.0	-1.3	2.1	First MWD Survey @ 260.0' MD / 260.0' TVD	
12,931.5	12,778.5	-93.0	-280.2	OH Crossed 330' FSL @ 12931.5' MD / 12778.5' TVD	
13,176.0	12,835.0	142.1	-315.5	OH TD @ 13176.0' MD / 12835.0' TVD	

Intent ☐ As Drilled ☒

API # 30-025-47518		
Operator Name: BTA OIL PRODUCERS, LLC	Property Name: VACA DRAW 9418 10 FEDERAL	Well Number 25H

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
O	10	25S	33E		420	SOUTH	1335	EAST	LEA
Latitude 32.138963					Longitude 103.555965				NAD 83

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
	10	25S	33E		100	SOUTH	1629	EAST	LEA
Latitude 32.138080					Longitude 103.556915				NAD 83

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
	10	25S	33E		100	NORTH	1655	EAST	LEA
Latitude 32.152056					Longitude 103.557006				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:	Property Name:	Well Number

KZ 06/29/2018

Well Name: VACA DRAW 9418 10 FEDERAL	Well Location: T25S / R33E / SEC 10 / SWSE / 32.138963 / -103.555965	County or Parish/State: LEA / NM
Well Number: 25H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM097153, NMNM97153	Unit or CA Name:	Unit or CA Number:
US Well Number: 3002547518	Well Status: Approved Application for Permit to Drill	Operator: BTA OIL PRODUCERS LLC

Subsequent Report

Type of Submission: Subsequent Report	Type of Action: Hydraulic Fracturing
Date Sundry Submitted: 04/23/2021	Time Sundry Submitted: 09:21
Date Operation Actually Began: 04/04/2021	

Actual Procedure: TD 17,846 ' REACHED:1/16/2021; PBTD: 17,821'; 4/12/2021: PERFORATE AND FRAC MIDDLE WOLFCAMP: 13,025' - 17,735' WITH 299,475 TOTAL FLUID; 14.27MM pounds of 100 MESH SAND. COMPLETE DRILLOUT on 4/16/2021. 2 7/8" 10,015' 4/21/2021. START FLOWING BACK AND TESTING on 4/22/2021.

Operator Certification

I certify that the foregoing is true and correct. 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. Electronic submission of Sundry Notices through this system satisfies regulations requiring a submission of Form 3160-5 or a Sundry Notice.

Operator Electronic Signature: KATY REDDELL	Signed on: APR 23, 2021 09:19 AM
Name: BTA OIL PRODUCERS LLC	
Title: Regulatory Analyst	
Street Address: 104 S Pecos	
City: Midland	State: TX
Phone: (432) 682-3753	
Email address: Kredell@btaoil.com	

Field Representative

Representative Name:		
Street Address:		
City:	State:	Zip:
Phone:		
Email address:		

Received by OCD: 7/14/2021 3:20:17 PM

Page 18 of 27

Well Name: VACA DRAW 9418 10 FEDERAL	Well Location: T25S / R33E / SEC 10 / SWSE / 32.138963 / -103.555965	County or Parish/State: LEA / NM
Well Number: 25H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM097153, NMNM97153	Unit or CA Name:	Unit or CA Number:
US Well Number: 3002547518	Well Status: Approved Application for Permit to Drill	Operator: BTA OIL PRODUCERS LLC

CONFIDENTIAL



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

Well Completion Print Report

06/11/2021

Operator Name BTA OIL PRODUCERS LLC	Well Name VACA DRAW 9418 10 FEDERAL	Well Number 25H	US Well Number 3002547518
SHL SWSE Sec 10 25S 33E	County LEA	State NM	Lease Number(s) NMNM097153, NMNM97153, NMNM97153
Well Type OIL WELL	Well Status Drilling Well	Agreement Name	Agreement Number(s)
Allottee/Tribe Name	Well Pad Name VACA DRAW 9418 10 FEDERAL	Well Pad Number 24-27	ID 10400040918

Section 1 - General

Well Completion Report Id: 76409	Submission Date: N/A until DB Work	
BLM Office: Carlsbad Field Office	User: Katy Reddell	Title: Regulatory Analyst
Federal/Indian: FEDERAL	Lease Number: NMNM097153	Lease Acres:
Agreement in place?: NO	Federal or Indian Agreement:	
Agreement Number:	Agreement Name:	
Keep this Well Completion Report confidential?: NO		
APD Operator: BTA OIL PRODUCERS LLC		

Section 2 - Well Information

Field/Pool or Exploratory: Field/Pool	Pool Name: WOLFCAMP	Field Name: JOHNSON RANCH
Well Type: OIL WELL		
Spud Date: 12-02-2020		
Date Total Measured Depth Reached: 01-16-2021		
Drill & Abandon or Ready To Produce: READY TO PRODUCE		
Well Class: HORIZONTAL		

Section 3 - Geologic Formations

Formation Name	Lithology	Describe Lithology	Elevation	TVD	MD	Mineral Resources	Describe Mineral Resources

Operator Name BTA OIL PRODUCERS LLC	Well Name VACA DRAW 9418 10 FEDERAL	Well Number 25H	US Well Number 3002547518
SHL SWSE Sec 10 25S 33E	County LEA	State NM	Lease Number(s) NMNM097153, NMNM97153, NMNM97153
Well Type OIL WELL	Well Status Drilling Well	Agreement Name	Agreement Number(s)
Allottee/Tribe Name	Well Pad Name VACA DRAW 9418 10 FEDERAL	Well Pad Number 24-27	ID 10400040918

Completion and Completed Intervals

Completion Data

Wellbore Code	Completion Code	Interval Number	Case Number	Lease Number	Well Completion Type	Describe Well Completion Type	Completion Status	Date Completed	Date First Produced	Formation	Interval Top (MD)	Interval Bottom (MD)	Interval Perforated?	Perforation Size	Number of Holes	Status of Interval
00	S1	1	NMNM97153	NMNM97153	NEW		POW	04-22-2021	04-22-2021	WOLFCA MP	12339	12736	Y	.42	2304	ISOLATED

Treatment Data

Wellbore Code	Completion Code	Interval Number	Interval Treated?	Treatment Type	Totle Fluid (bbls)	Total Proppant (lbs)	Treatment Remarks
00	S1	1	Y	FRAC	299475	14	299,475 TOTAL FLUIDS 14,000,000 #'S SAND

Production Data

Wellbore Code	Completion Code	Interval Number	API Oil Gravity	Gas Gravity	Production Method	Describe Production	Disposition of Gas	Describe Disposition
00	S1	1			FLows FROM WELL		SOLD	

Operator Name BTA OIL PRODUCERS LLC	Well Name VACA DRAW 9418 10 FEDERAL	Well Number 25H	US Well Number 3002547518
SHL SWSE Sec 10 25S 33E	County LEA	State NM	Lease Number(s) NMNM097153, NMNM97153, NMNM97153
Well Type OIL WELL	Well Status Drilling Well	Agreement Name	Agreement Number(s)
Allottee/Tribe Name	Well Pad Name VACA DRAW 9418 10 FEDERAL	Well Pad Number 24-27	ID 10400040918

Test Data

Wellbore Code	Completion Code	Interval Number	Test Date	Hours Tested	24-Hour Rate Oil (bbls)	24-Hour Rate Gas (MCF)	24-Hour Rate Water(BWPD)	Gas-Oil Ratio (SCF/Bbl)	Choke Size	Tubing Pressure	Tubing Pressure Shut-In (psi)	Casing Pressure (psi)
00	S1	1	04/27/2021	24	793	1883	3317	2374	20/64	3100		

Well Location

Survey Type: RECTANGULAR

Survey Number:

Datum: NAD83

Vertical Datum: NGVD29

Reference Datum:

Aliquot/Lot/Tract	Section	Range	Township	EW-Indicator	EW-Foot	NS-Indicator	NS-Foot	Plug Type	Plug MD (ft)	Plug TVD (ft)	Lease Number	Lease Type	Elevation (MSL)	Longitude	Latitude	County	Meridian	State
SWSE	10	33E	25S	FEL	1335	FSL	420				NMNM097153	FEDERAL	3377	-103.555965	32.138963	LEA	NEW MEXICO PRINCIPAL	NEW MEXICO
SWSE	10	33E	25S	FEL	1628	FSL	100				NMNM097153	FEDERAL	-9267	-103.555965	32.138963	LEA	NEW MEXICO PRINCIPAL	NEW MEXICO
SWSE	10	33E	25S	FEL	1628	FSL	100				NMNM097153	FEDERAL	-9267	-103.556915	32.13808	LEA	NEW MEXICO PRINCIPAL	NEW MEXICO
NWNE	10	33E	25S	FEL	1654	FNL	100				NMNM097153	FEDERAL	-9461	-103.557006	32.152056	LEA	NEW MEXICO PRINCIPAL	NEW MEXICO
NWNE	10	33E	25S	FEL	1655	FNL	51				NMNM097153	FEDERAL	-9461	-103.557006	32.152189	LEA	NEW MEXICO PRINCIPAL	NEW MEXICO

Operator Name BTA OIL PRODUCERS LLC	Well Name VACA DRAW 9418 10 FEDERAL	Well Number 25H	US Well Number 3002547518
SHL SWSE Sec 10 25S 33E	County LEA	State NM	Lease Number(s) NMNM097153, NMNM97153, NMNM97153
Well Type OIL WELL	Well Status Drilling Well	Agreement Name	Agreement Number(s)
Allottee/Tribe Name	Well Pad Name VACA DRAW 9418 10 FEDERAL	Well Pad Number 24-27	ID 10400040918

Casing, Liner and Tubing

Casing and Liner

Wellbore Code	Casing String Type	Hole Size	Top Setting Depth (MD)	Bottom Setting Depth (MD)	Casing Size	Wt(lbs/ft)	Casing Grade	Describe Other Casing Grade	Joint	Other Joint	Amount Pulled (ft)
00	SURFACE	14.75	0	1210	10.75	40.5	J-55		ST&C		
00	INTERMEDIATE	8.75	0	12308	7.625	29.7	P-110		BUTT		
00	INTERMEDIATE	9.875	0	12308	7.625	20	P-110		BUTT		
00	PRODUCT ION	6.75	12308	17846	5.0	18	P-110		BUTT		
00	PRODUCT ION	6.75	12308	17846	5.5	20	P-110		BUTT		

Cementing

Wellbore Code	Casing String Type	Stage Tool Depth	Cement Lead Type	Cement Lead Qty (sks)	Cement Lead Yield (cu.ft/sks)	Cement Lead Top (MD)	Cement Tail Type	Cement Tail Qty (sks)	Cement Tail Yield(cu.ft/sks)	Cement Tail Top (MD)	Total (Lead + Tail) Cement Slurry Volume (bbls)
00	SURFACE		Class C	560	1.8	0	Class C	200	1.34	905	227.3
00	INTERMEDIATE		n/a	0	0	10955					0
00	INTERMEDIATE	5065	Class H	2055	2.64	5065	Class H	400	1.19	11500	2655.5

Operator Name BTA OIL PRODUCERS LLC	Well Name VACA DRAW 9418 10 FEDERAL	Well Number 25H	US Well Number 3002547518
SHL SWSE Sec 10 25S 33E	County LEA	State NM	Lease Number(s) NMNM097153, NMNM97153, NMNM97153
Well Type OIL WELL	Well Status Drilling Well	Agreement Name	Agreement Number(s)
Allottee/Tribe Name	Well Pad Name VACA DRAW 9418 10 FEDERAL	Well Pad Number 24-27	ID 10400040918

Cementing

Wellbore Code	Casing String Type	Stage Tool Depth	Cement Lead Type	Cement Lead Qty (sks)	Cement Lead Yield (cu.ft/sks)	Cement Lead Top (MD)	Cement Tail Type	Cement Tail Qty (sks)	Cement Tail Yield(cu.ft/sks)	Cement Tail Top (MD)	Total (Lead + Tail) Cement Slurry Volume (bbls)
00	INTERMEDIATE		Class C	745	2.19	0	Class C	150	1.33	4635	2655.5
00	PRODUCTION		Class H	630	1.27	11856					142.5

Tubing

Wellbore Code	Tubing Size	Describe Other	Tubing Setting Depth (MD/ft)	Packer Depth (MD/ft)	Tubing Weight	Tubing Grade	Describe Other	Tubing Coupling	Describe Other
00	2.875		10015	10015	10	L-80			

Logs

Wellbore Code	Log Upload	Was Well Cored?	Was DST Run?	Directional Survey?	Geologic Report Completed?	Wellbore Diagram
00	NO	NO	NO	YES	YES	NO

Operator Name BTA OIL PRODUCERS LLC	Well Name VACA DRAW 9418 10 FEDERAL	Well Number 25H	US Well Number 3002547518
SHL SWSE Sec 10 25S 33E	County LEA	State NM	Lease Number(s) NMNM097153, NMNM97153, NMNM97153
Well Type OIL WELL	Well Status Drilling Well	Agreement Name	Agreement Number(s)
Allottee/Tribe Name	Well Pad Name VACA DRAW 9418 10 FEDERAL	Well Pad Number 24-27	ID 10400040918

Operator Certification

I hereby certify that the foregoing and attached information is complete and correct as determined from all available records. 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 any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Well Completion Reports through this system satisfies regulations requiring a submission of Form 3160-4 or a Well Completion Report.

Name: BTA OIL PRODUCERS LLC

Signed By: Katy Reddell

Title: Regulatory Analyst

Signed on: 06/10/2021

Street Address: 104 S Pecos

City: Midland

State: TX

Zip: 79701

Phone: (432)682-3753

Email address: Kreddell@btaoil.com

Field Representative

Representative Name:

Street Address:

City:

State:

Zip:

Phone:

Extension:

Email address:

Attachments

COMPLETION_FRAC_SUNDRY_VACA_DRAW_9418_10_FED_25H_20210609082631.pdf

QES__Vaca_Draw_9418_10_Fed__20210609155519

QES__Vaca_Draw_9418_10_Fed__20210609155531

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Operator Name BTA OIL PRODUCERS LLC	Well Name VACA DRAW 9418 10 FEDERAL	Well Number 25H	US Well Number 3002547518
SHL SWSE Sec 10 25S 33E	County LEA	State NM	Lease Number(s) NMNM097153, NMNM97153, NMNM97153
Well Type OIL WELL	Well Status Drilling Well	Agreement Name	Agreement Number(s)
Allottee/Tribe Name	Well Pad Name VACA DRAW 9418 10 FEDERAL	Well Pad Number 24-27	ID 10400040918

Attachments

COMPLETION_FRAC_SUNDRY_VACA_DRAW_9418_10_FED_25H_20210609082631.pdf

QES___Vaca_Draw_9418_10_Fed___20210609155519

QES___Vaca_Draw_9418_10_Fed___20210609155531

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30025475180100_2in_MD_digital_color_20210609155656.pdf

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

ACKNOWLEDGMENTS

Action 36405

ACKNOWLEDGMENTS

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 36405
	Action Type: [C-104] Completion Packet (C-104C)

ACKNOWLEDGMENTS

☒	I hereby certify that the required Water Use Report has been, or will be, submitted for this wells completion.
☒	I hereby certify that the required FracFocus disclosure has been, or will be, submitted for this wells completion.

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 36405

CONDITIONS

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 36405
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
ksimmons	None	9/2/2021