

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 – 025-45495	⁵ Pool Name RED HILLS/ UPPER WOLFCAMP		⁶ Pool Code 98180
⁷ Property Code	⁸ Property Name VACA DRAW 9418 10 FEDERAL		⁹ Well Number 12H

II. ¹⁰ Surface Location

Ul or lot no. M	10	Township 25S	Range 33E	Lot Idn	Feet from the 220	SOUTH	1275	WEST	County LEA
--------------------	----	-----------------	--------------	---------	----------------------	-------	------	------	---------------

¹¹ Bottom Hole Location

UL or lot no D.	Section 10	Township 25S	Range 33E	Lot Idn	50’	NORTH	350’	WEST	LEA	Cou
¹² Lse Code	¹³ Producing Method FLOWING		¹⁴ Gas Connection Date 10/25/2019		¹⁵ C-129 Permit Number		¹⁶ C-129 Effective Date		¹⁷ C-129 Expiration	

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 05/30/2019	²² Ready Date 10/22/2019	²³ TD 17,552’	²⁴ PBDT	²⁵ Perforations 12,563’-17,430’	²⁶ DHC, MC
²⁷ Hole Size		²⁸ Casing & Tubing Size		²⁹ Depth Set	³⁰ Sacks Cement
14-3/4”		10-3/4”		1,265’	840
9-7/8”		7-5/8”		12,007’	2045
6-3/4”		5-1/2”		17,540’	1,345

V. Well Test Data

³¹ Date New Oil 10/22/2019	³² Gas Delivery Date 10/25/2019	³³ Test Date 10/25/2019	³⁴ Test Length 24	³⁵ Tbg. Pressure 3200	³⁶ Csg. Pressure 2100
³⁷ Choke Size 24/64	³⁸ Oil 905.17	³⁹ Water 2934.90	⁴⁰ Gas 1352.01	3200	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: KURT SIMMONS		
Printed name: KATY REDDELL			Title: NMOCD, SANTA FE		
Title: REGULATORY ANALYST			Approval Date: 07/06/2021		
E-mail Address: kreddell@btaoil.com 11/07/2019 432-682-3753					

Date:	Phone:	
-------	--------	--

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 30-025-45495	Pool Code 98180	Pool Name RED HILLS/UPPER WOLFCAMP
Property Code	Property Name VACA DRAW 9418 10 FEDERAL	Well Number 12H
OGRID No. 260297	Operator Name BTA OIL PRODUCERS, LLC	Elevation 3388'

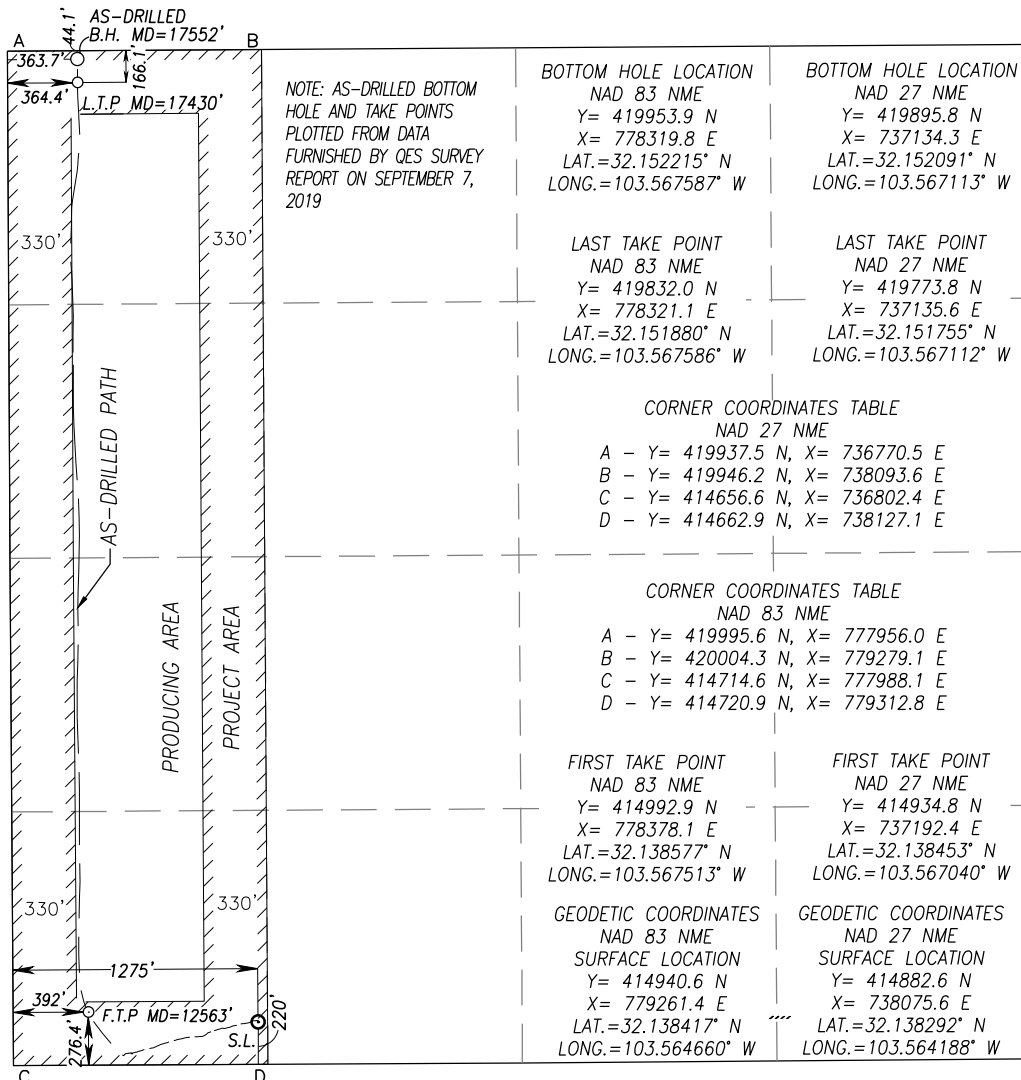
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	10	25-S	33-E		220	SOUTH	1275	WEST	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
D	10	25-S	33-E		44.1	NORTH	363.7	WEST	LEA
Dedicated Acres 160	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



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 12/23/19

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.

MARCH 22, 2017

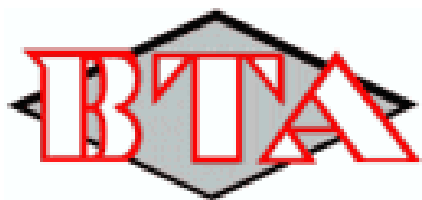
Date of Survey
Signature & Seal of Professional Surveyor:

RONALD J. EIDSON
NEW MEXICO
REGISTERED SURVEYOR
3239

12/23/2019

Certificate Number **12641**
Ronald J. Eidson **3239**

LSL REL. W.O.: 17.11.0234 JWSC W.O.: 19.13.1218



BTA Oil Producers, LLC

Lea County, NM (NAD 83)

Sec 10, T25-S, R33-E

Vaca Draw 9418 10 Fed #12H

Wellbore #1

Design: Wellbore #1

QES Survey Report

07 September, 2019





Survey Report



Company:	BTA Oil Producers, LLC	Local Co-ordinate Reference:	Well Vaca Draw 9418 10 Fed #12H
Project:	Lea County, NM (NAD 83)	TVD Reference:	WELL @ 3413.0usft (Patterson #566)
Site:	Sec 10, T25-S, R33-E	MD Reference:	WELL @ 3413.0usft (Patterson #566)
Well:	Vaca Draw 9418 10 Fed #12H	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
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 #12H		
Well Position	+N/-S	0.0 usft	Northing: 414,940.60 usft
	+E/-W	0.0 usft	Easting: 779,261.40 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft
		Latitude:	32° 8' 18.299 N
		Longitude:	103° 33' 52.777 W
		Ground Level:	3,388.0 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	8/20/2019	6.62	59.75	47,785.20000000

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		349.20

Survey Program	Date	8/31/2019			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
180.0	12,375.0	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)	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 @ 180.0' MD / 180.0' TVD										
180.0	0.60	358.20	180.0	0.9	0.0	0.9	0.33	0.33	0.00	
231.0	0.60	331.00	231.0	1.4	-0.2	1.4	0.55	0.00	-53.33	
322.0	0.60	350.20	322.0	2.3	-0.5	2.4	0.22	0.00	21.10	
445.0	0.50	4.00	445.0	3.5	-0.6	3.5	0.13	-0.08	11.22	
536.0	0.60	321.80	536.0	4.3	-0.8	4.3	0.45	0.11	-46.37	
629.0	1.00	313.50	629.0	5.2	-1.7	5.4	0.45	0.43	-8.92	
690.0	1.10	311.40	690.0	6.0	-2.5	6.3	0.18	0.16	-3.44	
751.0	1.10	307.40	750.9	6.7	-3.4	7.2	0.13	0.00	-6.56	
814.0	1.40	297.30	813.9	7.4	-4.6	8.2	0.59	0.48	-16.03	



Survey Report



Company:	BTA Oil Producers, LLC	Local Co-ordinate Reference:	Well Vaca Draw 9418 10 Fed #12H
Project:	Lea County, NM (NAD 83)	TVD Reference:	WELL @ 3413.0usft (Patterson #566)
Site:	Sec 10, T25-S, R33-E	MD Reference:	WELL @ 3413.0usft (Patterson #566)
Well:	Vaca Draw 9418 10 Fed #12H	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)
907.0	1.90	282.40	906.9	8.3	-7.1	9.5	0.70	0.54	-16.02
1,000.0	2.40	261.70	999.8	8.3	-10.6	10.2	0.98	0.54	-22.26
1,094.0	2.40	259.40	1,093.7	7.7	-14.4	10.3	0.10	0.00	-2.45
1,250.0	2.20	261.50	1,249.6	6.6	-20.6	10.4	0.14	-0.13	1.35
1,346.0	1.90	269.70	1,345.6	6.4	-24.0	10.7	0.44	-0.31	8.54
1,439.0	1.40	268.70	1,438.5	6.3	-26.7	11.2	0.54	-0.54	-1.08
1,533.0	2.50	230.00	1,532.5	5.0	-29.4	10.4	1.76	1.17	-41.17
1,626.0	2.80	235.50	1,625.4	2.4	-32.8	8.5	0.42	0.32	5.91
1,719.0	5.40	254.40	1,718.1	-0.1	-38.9	7.2	3.11	2.80	20.32
1,813.0	5.30	255.70	1,811.7	-2.3	-47.4	6.6	0.17	-0.11	1.38
1,906.0	5.40	257.30	1,904.3	-4.4	-55.8	6.2	0.19	0.11	1.72
1,999.0	5.50	260.20	1,996.9	-6.1	-64.5	6.1	0.32	0.11	3.12
2,093.0	5.60	263.10	2,090.5	-7.4	-73.5	6.5	0.32	0.11	3.09
2,186.0	5.50	266.70	2,183.0	-8.2	-82.4	7.4	0.39	-0.11	3.87
2,279.0	4.70	249.50	2,275.7	-9.8	-90.5	7.3	1.85	-0.86	-18.49
2,372.0	4.60	248.60	2,368.3	-12.5	-97.5	6.0	0.13	-0.11	-0.97
2,466.0	4.50	253.00	2,462.1	-14.9	-104.5	4.9	0.39	-0.11	4.68
2,559.0	4.00	258.00	2,554.8	-16.7	-111.2	4.5	0.67	-0.54	5.38
2,652.0	4.20	263.40	2,647.6	-17.7	-117.7	4.6	0.47	0.22	5.81
2,746.0	4.30	267.10	2,741.3	-18.3	-124.7	5.4	0.31	0.11	3.94
2,839.0	4.30	246.00	2,834.0	-19.9	-131.4	5.1	1.69	0.00	-22.69
2,932.0	5.00	248.80	2,926.7	-22.8	-138.3	3.5	0.79	0.75	3.01
3,025.0	5.30	251.60	3,019.4	-25.6	-146.2	2.2	0.42	0.32	3.01
3,119.0	5.20	254.60	3,113.0	-28.1	-154.4	1.3	0.31	-0.11	3.19
3,212.0	3.80	263.40	3,205.7	-29.6	-161.5	1.2	1.67	-1.51	9.46
3,305.0	4.20	252.20	3,298.5	-31.0	-167.8	1.0	0.94	0.43	-12.04
3,399.0	3.20	259.40	3,392.3	-32.5	-173.7	0.6	1.17	-1.06	7.66
3,492.0	2.90	284.70	3,485.1	-32.4	-178.5	1.6	1.47	-0.32	27.20
3,585.0	4.00	265.00	3,578.0	-32.1	-184.0	3.0	1.72	1.18	-21.18
3,679.0	5.50	252.90	3,671.6	-33.7	-191.6	2.8	1.91	1.60	-12.87
3,772.0	5.50	253.40	3,764.2	-36.3	-200.1	1.9	0.05	0.00	0.54
3,865.0	5.50	253.40	3,856.8	-38.8	-208.7	1.0	0.00	0.00	0.00
3,959.0	4.60	254.80	3,950.4	-41.1	-216.6	0.2	0.97	-0.96	1.49
4,052.0	3.30	256.00	4,043.2	-42.7	-222.8	-0.2	1.40	-1.40	1.29
4,145.0	4.30	245.30	4,136.0	-44.8	-228.6	-1.2	1.31	1.08	-11.51
4,239.0	6.20	256.00	4,229.6	-47.5	-236.7	-2.3	2.27	2.02	11.38
4,332.0	4.60	252.50	4,322.2	-49.9	-245.1	-3.1	1.76	-1.72	-3.76
4,425.0	4.70	246.20	4,414.9	-52.5	-252.2	-4.3	0.56	0.11	-6.77
4,519.0	4.40	248.60	4,508.6	-55.4	-259.1	-5.9	0.38	-0.32	2.55
4,612.0	3.40	224.40	4,601.4	-58.7	-264.3	-8.1	2.05	-1.08	-26.02
4,705.0	4.60	227.00	4,694.1	-63.2	-269.0	-11.7	1.30	1.29	2.80
4,798.0	4.90	239.20	4,786.8	-67.8	-275.1	-15.0	1.13	0.32	13.12
4,892.0	5.30	249.30	4,880.5	-71.4	-282.6	-17.1	1.04	0.43	10.74



Survey Report



Company:	BTA Oil Producers, LLC	Local Co-ordinate Reference:	Well Vaca Draw 9418 10 Fed #12H
Project:	Lea County, NM (NAD 83)	TVD Reference:	WELL @ 3413.0usft (Patterson #566)
Site:	Sec 10, T25-S, R33-E	MD Reference:	WELL @ 3413.0usft (Patterson #566)
Well:	Vaca Draw 9418 10 Fed #12H	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)	
4,985.0	4.60	253.20	4,973.1	-74.0	-290.2	-18.3	0.83	-0.75	4.19	
5,078.0	5.10	266.60	5,065.8	-75.3	-297.9	-18.1	1.33	0.54	14.41	
5,172.0	5.20	269.70	5,159.4	-75.5	-306.3	-16.8	0.31	0.11	3.30	
5,265.0	5.10	269.40	5,252.0	-75.6	-314.7	-15.3	0.11	-0.11	-0.32	
5,358.0	5.00	268.20	5,344.7	-75.8	-322.9	-13.9	0.16	-0.11	-1.29	
5,451.0	5.10	267.30	5,437.3	-76.1	-331.0	-12.7	0.14	0.11	-0.97	
5,545.0	5.10	266.20	5,530.9	-76.6	-339.4	-11.6	0.10	0.00	-1.17	
5,638.0	5.10	265.50	5,623.6	-77.2	-347.6	-10.7	0.07	0.00	-0.75	
5,731.0	4.70	262.70	5,716.2	-78.0	-355.5	-10.0	0.50	-0.43	-3.01	
5,824.0	4.70	260.40	5,808.9	-79.1	-363.1	-9.7	0.20	0.00	-2.47	
5,918.0	4.70	260.60	5,902.6	-80.4	-370.7	-9.5	0.02	0.00	0.21	
6,011.0	4.30	256.90	5,995.3	-81.8	-377.8	-9.5	0.53	-0.43	-3.98	
6,104.0	6.10	258.30	6,087.9	-83.6	-386.1	-9.8	1.94	1.94	1.51	
6,198.0	5.90	257.30	6,181.4	-85.7	-395.7	-10.0	0.24	-0.21	-1.06	
6,291.0	5.70	257.80	6,273.9	-87.7	-404.8	-10.3	0.22	-0.22	0.54	
6,384.0	5.40	257.80	6,366.5	-89.6	-413.6	-10.5	0.32	-0.32	0.00	
6,477.0	5.50	255.50	6,459.1	-91.6	-422.2	-10.9	0.26	0.11	-2.47	
6,571.0	5.30	254.80	6,552.7	-93.9	-430.8	-11.5	0.22	-0.21	-0.74	
6,664.0	5.50	254.30	6,645.2	-96.2	-439.2	-12.2	0.22	0.22	-0.54	
6,757.0	5.50	252.90	6,737.8	-98.7	-447.8	-13.1	0.14	0.00	-1.51	
6,850.0	5.10	251.30	6,830.4	-101.4	-455.9	-14.1	0.46	-0.43	-1.72	
6,944.0	4.80	253.60	6,924.1	-103.8	-463.7	-15.1	0.38	-0.32	2.45	
7,037.0	4.30	252.50	7,016.8	-106.0	-470.7	-15.9	0.55	-0.54	-1.18	
7,130.0	4.90	255.70	7,109.5	-108.0	-477.9	-16.5	0.70	0.65	3.44	
7,224.0	4.90	256.90	7,203.1	-109.9	-485.7	-16.9	0.11	0.00	1.28	
7,317.0	5.50	249.50	7,295.7	-112.4	-493.7	-17.9	0.97	0.65	-7.96	
7,410.0	5.50	250.60	7,388.3	-115.4	-502.1	-19.3	0.11	0.00	1.18	
7,503.0	5.20	249.30	7,480.9	-118.4	-510.3	-20.7	0.35	-0.32	-1.40	
7,597.0	5.10	247.60	7,574.5	-121.5	-518.1	-22.2	0.19	-0.11	-1.81	
7,690.0	4.60	247.20	7,667.2	-124.5	-525.4	-23.8	0.54	-0.54	-0.43	
7,783.0	4.20	245.80	7,759.9	-127.3	-531.9	-25.4	0.45	-0.43	-1.51	
7,877.0	3.50	247.90	7,853.7	-129.8	-537.7	-26.8	0.76	-0.74	2.23	
7,969.0	3.50	242.30	7,945.5	-132.2	-542.8	-28.1	0.37	0.00	-6.09	
8,062.0	3.50	255.80	8,038.4	-134.2	-548.1	-29.1	0.88	0.00	14.52	
8,155.0	3.70	259.20	8,131.2	-135.5	-553.8	-29.3	0.31	0.22	3.66	
8,249.0	3.50	257.80	8,225.0	-136.6	-559.5	-29.4	0.23	-0.21	-1.49	
8,342.0	3.70	253.90	8,317.8	-138.1	-565.2	-29.7	0.34	0.22	-4.19	
8,435.0	4.30	259.50	8,410.6	-139.5	-571.5	-30.0	0.77	0.65	6.02	
8,528.0	4.30	261.30	8,503.3	-140.7	-578.4	-29.8	0.15	0.00	1.94	
8,622.0	4.10	256.20	8,597.1	-142.0	-585.1	-29.9	0.45	-0.21	-5.43	
8,715.0	4.00	255.70	8,689.8	-143.6	-591.5	-30.2	0.11	-0.11	-0.54	
8,808.0	4.70	253.90	8,782.6	-145.5	-598.3	-30.8	0.77	0.75	-1.94	
8,901.0	4.70	255.10	8,875.3	-147.5	-605.7	-31.4	0.11	0.00	1.29	



Survey Report



Company:	BTA Oil Producers, LLC	Local Co-ordinate Reference:	Well Vaca Draw 9418 10 Fed #12H
Project:	Lea County, NM (NAD 83)	TVD Reference:	WELL @ 3413.0usft (Patterson #566)
Site:	Sec 10, T25-S, R33-E	MD Reference:	WELL @ 3413.0usft (Patterson #566)
Well:	Vaca Draw 9418 10 Fed #12H	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)
8,995.0	4.30	253.60	8,969.0	-149.5	-612.8	-32.0	0.44	-0.43	-1.60
9,088.0	4.00	251.60	9,061.7	-151.5	-619.2	-32.8	0.36	-0.32	-2.15
9,181.0	3.80	250.40	9,154.5	-153.6	-625.2	-33.7	0.23	-0.22	-1.29
9,275.0	4.10	253.40	9,248.3	-155.6	-631.3	-34.5	0.39	0.32	3.19
9,368.0	4.00	259.00	9,341.1	-157.1	-637.7	-34.9	0.44	-0.11	6.02
9,461.0	3.40	254.40	9,433.9	-158.5	-643.5	-35.1	0.72	-0.65	-4.95
9,555.0	2.60	255.80	9,527.7	-159.8	-648.3	-35.5	0.85	-0.85	1.49
9,648.0	2.10	229.50	9,620.7	-161.4	-651.6	-36.4	1.26	-0.54	-28.28
9,741.0	1.70	248.60	9,713.6	-163.0	-654.2	-37.5	0.80	-0.43	20.54
9,834.0	1.40	243.40	9,806.6	-164.0	-656.5	-38.1	0.36	-0.32	-5.59
9,927.0	1.10	257.40	9,899.5	-164.7	-658.4	-38.4	0.46	-0.32	15.05
10,022.0	0.70	309.30	9,994.5	-164.6	-659.7	-38.0	0.91	-0.42	54.63
10,115.0	0.90	354.50	10,087.5	-163.5	-660.2	-36.9	0.69	0.22	48.60
10,208.0	1.00	355.30	10,180.5	-161.9	-660.4	-35.3	0.11	0.11	0.86
10,302.0	0.60	311.70	10,274.5	-160.8	-660.8	-34.1	0.75	-0.43	-46.38
10,395.0	0.70	262.50	10,367.5	-160.5	-661.7	-33.7	0.59	0.11	-52.90
10,489.0	1.10	265.30	10,461.5	-160.7	-663.2	-33.6	0.43	0.43	2.98
10,582.0	1.40	257.40	10,554.5	-161.0	-665.2	-33.5	0.37	0.32	-8.49
10,675.0	1.30	263.60	10,647.4	-161.4	-667.4	-33.5	0.19	-0.11	6.67
10,768.0	1.30	269.20	10,740.4	-161.5	-669.5	-33.2	0.14	0.00	6.02
10,862.0	1.40	261.30	10,834.4	-161.7	-671.7	-33.0	0.22	0.11	-8.40
10,955.0	1.40	260.60	10,927.4	-162.1	-673.9	-32.9	0.02	0.00	-0.75
11,048.0	1.20	264.50	11,020.3	-162.3	-676.0	-32.8	0.24	-0.22	4.19
11,141.0	1.70	266.70	11,113.3	-162.5	-678.3	-32.5	0.54	0.54	2.37
11,235.0	1.30	265.70	11,207.3	-162.7	-680.8	-32.2	0.43	-0.43	-1.06
11,328.0	1.00	272.20	11,300.3	-162.7	-682.7	-31.9	0.35	-0.32	6.99
11,421.0	1.00	255.10	11,393.2	-162.9	-684.3	-31.8	0.32	0.00	-18.39
11,514.0	1.50	244.80	11,486.2	-163.6	-686.1	-32.2	0.59	0.54	-11.08
11,608.0	1.30	272.50	11,580.2	-164.1	-688.3	-32.2	0.74	-0.21	29.47
11,701.0	1.10	270.80	11,673.2	-164.0	-690.3	-31.8	0.22	-0.22	-1.83
11,794.0	1.80	226.30	11,766.2	-165.0	-692.2	-32.4	1.37	0.75	-47.85
11,888.0	2.60	209.10	11,860.1	-167.9	-694.3	-34.8	1.09	0.85	-18.30
11,970.0	3.00	214.50	11,942.0	-171.3	-696.4	-37.8	0.58	0.49	6.59
12,119.0	3.30	208.40	12,090.8	-178.3	-700.7	-43.8	0.30	0.20	-4.09
12,150.0	3.30	230.70	12,121.7	-179.6	-701.8	-45.0	4.11	0.00	71.94
12,182.0	3.70	253.00	12,153.7	-180.5	-703.5	-45.5	4.40	1.25	69.69
12,215.0	4.70	273.60	12,186.6	-180.8	-705.9	-45.3	5.44	3.03	62.42
12,247.0	7.60	296.60	12,218.4	-179.7	-709.1	-43.7	11.72	9.06	71.88
12,310.0	13.30	325.40	12,280.3	-171.9	-716.9	-34.5	12.01	9.05	45.71
12,325.0	14.90	328.80	12,294.9	-168.8	-718.9	-31.1	12.01	10.67	22.67
OH TD @ 12375.0' MD / 12342.5' TVD									
12,375.0	20.90	330.00	12,342.5	-155.6	-726.7	-16.7	12.02	12.00	2.40



Survey Report



Company:	BTA Oil Producers, LLC	Local Co-ordinate Reference:	Well Vaca Draw 9418 10 Fed #12H
Project:	Lea County, NM (NAD 83)	TVD Reference:	WELL @ 3413.0usft (Patterson #566)
Site:	Sec 10, T25-S, R33-E	MD Reference:	WELL @ 3413.0usft (Patterson #566)
Well:	Vaca Draw 9418 10 Fed #12H	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)	
180.0	180.0	0.9	0.0	First MWD Survey @ 180.0' MD / 180.0' TVD
12,375.0	12,342.5	-155.6	-726.7	OH TD @ 12375.0' MD / 12342.5' TVD

Checked By: _____ Approved By: _____ Date: _____

Form 3160-5
(June 2015)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018**SUNDRY NOTICES AND REPORTS ON WELLS**
Do not use this form for proposals to drill or to re-enter an
abandoned well. Use form 3160-3 (APD) for such proposals.5. Lease Serial No.
NMNM97153

6. If Indian, Allottee or Tribe Name

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

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.

VACA DRAW 9418 10 FED 12H

2. Name of Operator

BTA OIL PRODUCERS

Contact: KATY REDDELL

E-Mail: kreddell@btaoil.com

9. API Well No.

30-025-45495-00-X1

3a. Address

104 SOUTH PECOS STREET
MIDLAND, TX 79701

3b. Phone No. (include area code)

Ph: 432-682-3753 Ext: 139

10. Field and Pool or Exploratory Area
RED HILLS

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 10 T25S R33E SWSW 220FSL 1275FWL
32.138416 N Lat, 103.564659 W Lon

11. County or Parish, State

LEA COUNTY, NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☒ Subsequent Report	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	Hydraulic Fracture
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recomplate in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

09/15/2019 - 09/28/2019:

PERFORATE BONESPRING: 12,563' TO 17,430' WITH 240,250 BBLS TOTAL FLUID. AND 11,441,136 #'S 100 MESH AND 40/70 SAND.

10/12/2019 DRILLOUT COMPLETE.

10/22/2019: START FLOWING BACK AND TESTING.

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #490770 verified by the BLM Well Information System**For BTA OIL PRODUCERS, sent to the Hobbs****Committed to AFMSS for processing by PRISCILLA PEREZ on 11/01/2019 (20PP0281SE)**

Name (Printed/Typed) KATY REDDELL

Title REGULATORY ANALYST

Signature (Electronic Submission)

Date 11/01/2019

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By

ACCEPTEDJONATHON SHEPARD
Title PETROELUM ENGINEER

Date 11/05/2019

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

Office Hobbs

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.

(Instructions on page 2)

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

Revisions to Operator-Submitted EC Data for Sundry Notice #490770

	Operator Submitted	BLM Revised (AFMSS)
Sundry Type:	HF SR	HF SR
Lease:	NMNM97153	NMNM97153
Agreement:		
Operator:	BTA OIL PRODUCERS, LLC 104 S. PECOS MIDLAND, TX 79701 Ph: 432-682-3753	BTA OIL PRODUCERS 104 SOUTH PECOS STREET MIDLAND, TX 79701 Ph: 432.682.3753 Fx: 432.683.0325
Admin Contact:	KATY REDDELL REGULATORY ANALYST E-Mail: kredell@btaoil.com Ph: 432-682-3753	KATY REDDELL REGULATORY ANALYST E-Mail: kredell@btaoil.com Ph: 432-682-3753 Ext: 139
Tech Contact:	KATY REDDELL REGULATORY ANALYST E-Mail: kredell@btaoil.com Ph: 432-682-3753	KATY REDDELL REGULATORY ANALYST E-Mail: kredell@btaoil.com Ph: 432-682-3753 Ext: 139
Location:		
State:	NM	NM
County:	LEA	LEA
Field/Pool:	RED HILLS-BONE SPRING,NOR	RED HILLS
Well/Facility:	VACA DRAW 9418 10 FEDERAL 12H Sec 10 T25S R33E SWSW 220FSL 1275FWL 32.138417 N Lat, 103.564660 W Lon	VACA DRAW 9418 10 FED 12H Sec 10 T25S R33E SWSW 220FSL 1275FWL 32.138416 N Lat, 103.564659 W Lon

Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
NMNM97153

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr. Other _____							6. If Indian, Allottee or Tribe Name 													
							7. Unit or CA Agreement Name and No. 													
2. Name of Operator Contact: KATY REDDELL BTA OIL PRODUCERS, LLC E-Mail: kreddell@btaoil.com							8. Lease Name and Well No. VACA DRAW 9418 10 FEDERAL 12H													
3. Address 104 S. PECOS MIDLAND, TX 79701							3a. Phone No. (include area code) Ph: 432-682-3753 Ext: 139						9. API Well No. 30-025-45495							
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface 220FSL 1275FWL 32.138417 N Lat, 103.564660 W Lon At top prod interval reported below 220FSL 1275FWL 32.138417 N Lat, 103.564660 W Lon At total depth 330FNL 350FWL 32.151429 N Lat, 103.567631 W Lon													10. Field and Pool, or Exploratory RED HILLS/UPPER WOLFCAMP							
													11. Sec., T., R., M., or Block and Survey or Area Sec 10 T25S R33E Mer							
													12. County or Parish LEA			13. State NM				
14. Date Spudded 05/30/2019					15. Date T.D. Reached 09/09/2019					16. Date Completed ☐ D & A ☒ Ready to Prod. 10/22/2019					17. Elevations (DF, KB, RT, GL)* 3388 GL					
18. Total Depth: MD 17540 TVD 12505			19. Plug Back T.D.: MD TVD			20. Depth Bridge Plug Set: MD TVD														
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) GR MWD									22. Was well cored? ☒ No ☐ Yes (Submit analysis) Was DST run? ☒ No ☐ Yes (Submit analysis) Directional Survey? ☐ No ☒ Yes (Submit analysis)											

23. Casing and Liner Record (Report all strings set in well)

[illegible]

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.875	11692	11692						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WOLFCAMP	12490		12563 TO 17430			FRACTURE
B)						
C)						
D)						

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WOLFCAMP	12490		12563 TO 17430			FRACTURE
B)						
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
12563 TO 17430	240,250 BBLs TOTAL FLUID. AND 11,441,136 #s 100 MESH AND 40/70 SAND.

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
10/22/2019	10/25/2019	24		905.2	1352.0	2934.9	46.5		FLows FROM Well
Choke Size	Tbg. Press. Flwg. 3200 SI	Csg. Press. 2100.0	24 Hr. Rate 	Oil BBL 905	Gas MCF 1352	Water BBL 2934	Gas:Oil Ratio	Well Status	
24/64								POW	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production 	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate 	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #491790 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

29. Disposition of Gas(*Sold, used for fuel, vented, etc.*)
SOLD

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
UPPER WOLFCAMP	12490		TARGET FORMATION	RUSTLER TOP SALT BASE SALT DELAWARE BELL CANYON CHERRY CANYON BRUSHY CANYON BONESPRING LIME	2745 2925 4852 5015 5257 6369 7586 9206

32. Additional remarks (include plugging procedure):

FIRST BONESPRING SAND: 10143
SECOND BONESPRING SAND: 10751
THIRD BONESPRING CARBONATE: 11211
THIRD BONESPRING SAND: 11843
WOLFCAMP: 12331
UPPER WOLFCAMP SHALE: 12471
TARGET FORMATION UPPER WOLFCAMP: 12490

33. Circle enclosed attachments:

- | | | | |
|---|--------------------|---------------|-----------------------|
| 1. Electrical/Mechanical Logs (1 full set req'd.) | 2. Geologic Report | 3. DST Report | 4. Directional Survey |
| 5. Sundry Notice for plugging and cement verification | 6. Core Analysis | 7 Other: | |

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

**Electronic Submission #491790 Verified by the BLM Well Information System.
For BTA OIL PRODUCERS, LLC, sent to the Hobbs**

Name (*please print*) KATY REDDELL

Title REGULATORY ANALYST

Signature _____ (Electronic Submission)

Date 11/11/2019

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.

**** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ****

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 23978

ACKNOWLEDGMENTS

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 23978
	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 23978

CONDITIONS

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 23978
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
ksimmons	None	7/6/2021