

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Carlsbad Field Office

FORM 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.***SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well ☒ Oil Well ☐ Gas Well ☐ Other		5. Lease Serial No. NMLC029406B
2. Name of Operator CONOCOPHILLIPS COMPANY		6. If Indian, Allottee or Tribe Name
Contact: RHONDA ROGERS E-Mail: rogersr@conocophillips.com		7. If Unit or CA/Agreement, Name and/or No. NMNM138364
3a. Address 925 N ELDRIDGE PARKWAY HOUSTON, TX 77079	3b. Phone No. (include area code) Ph: 832-486-2737	8. Well Name and No. PERIDOT 8 FEDERAL 2H
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 8 T17S R32E SWSE 936FSL 2501FEL 32.844494 N Lat, 103.788193 W Lon		9. API Well No. 30-025-44588-00-X1
		10. Field and Pool or Exploratory Area MALJAMAR
		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 recompleat 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 recompleat 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.

8/2/18 PT prod csg to 1500#/30 mins test held.
3/30/19 Perf f/13031'-12780'. Acidize w/15% HCL. Frac w/301880# proppant.
4/20/19 Perf f/12730'-12478'. Acidize w/15% HCL. Frac w/302900# proppant.
4/22/19 Perf f/12429'-11573'. Acidize w/15% HCL. Frac w/301000# proppant & 300580# proppant & 297700# proppant.
4/23/19 Perf f/11524'-10367'. Acidize w/15% HCL. Frac w/300460# proppant & 302500# proppant & 300720# proppant & 300800# proppant.
4/24/19 Perf f/10318'-8558'. Acidize w/15% HCL. Frac w/304620# proppant & 305020# proppant & 300720# proppant & 301620# proppant & 299580# proppant & 305100# proppant.
4/25/19 Perf f/8509'-7051'. Acidize w/15% HCL. Frac w/299700# proppant & 300680# proppant & 301680# proppant & 301340# proppant & 310120# proppant.
4/26/19 Perf f/7002'-5543'. Acidize w/15% HCL. Frac w/297960# proppant & 300020# proppant & 301640#

14. I hereby certify that the foregoing is true and correct. Electronic Submission #472770 verified by the BLM Well Information System For CONOCOPHILLIPS COMPANY, sent to the Hobbs Committed to AFMSS for processing by PRISCILLA PEREZ on 07/11/2019 (19PP2494SE)	
Name (Printed/Typed) RHONDA ROGERS	Title REGULATORY COORDINATOR
Signature (Electronic Submission)	Date 07/10/2019

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By _____	Title Accepted for Record	Date JUL 24 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.	Jonathon Shepard Carlsbad Field Office	

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 ****

Additional data for EC transaction #472770 that would not fit on the form

32. Additional remarks, continued

proppant & 300600# proppant & 304400# proppant. Total proppant = 7543340#.
6/10/19 RIH w/160 jts 2.875", 6.5#, L-80 tbg & set @ 5050'.
6/11/19 Install ESP.
6/12/19 NDBOP & NUWH RDMO

Attached is a "As Drilled Plat", DDS & GCP.

MS Directional Survey Data Certification

MS Directional Job Number: DDMO-180536
Survey Type: MWD
Operating Company: ConocoPhillips Company
Well Name & Number: Peridot 8 Federal 2H
Location: Lea County, NM
API Number: 30-025-44588
Tie In Depth: Surface
Surveyed Depths: 176' – 13,012' MD
Projected TD Survey: 13,083' MD
Dates Performed: 06/05/2018 – 06/23/2018

I certify that the data is true, correct and complete and within the limitations of the tool set forth by MS Directional; that I am authorized and qualified to make this report and that I have reviewed this report and find it conforms to the principles and procedures as set forth by MS Directional.

Digitally signed by:



MWD Surveyor Name: Addison Bailey

Date: 08-13-2018

Email: abailey@msdir.com

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Company:		ConocoPhillips Company										
Well Name:		Peridot 8 Federal 2H										
Location:		Lea County, NM										
Rig:		Trinidad #417					Magnetic Declination:		6.74		REFERENCED TO GRID NORTH	
Job Number:		DDMO-180536										
API #:		30-025-44588										
Vertical Section Azimuth:				269.80			Proposed Direction:		269.80			
Survey Calculation Method:				Minimum Curvature								
PTB:	MD		INC		AZM	TVD	N/S	E/W		VS		
	13,083		92.4		268.5	5430.55	32.63	-7791.37		7791.21		
#	Depth Feet	Inc Degrees	Azm Degrees	TVD Feet	N/S Feet	E/W Feet	Surface Vert Sec	Closure Distance Azm		DLS/ 100	BUR/ 100'	
TIE IN	0	0.00	0.00	0.00	0.00	0.00		0.00				
1	176	0.50	27.00	176.00	0.68	0.35	-0.35	0.77	27.00	0.28	0.28	
2	300	0.60	38.10	299.99	1.68	0.99	-1.00	1.95	30.67	0.12	0.08	
3	424	0.40	130.60	423.99	1.91	1.72	-1.73	2.57	42.12	0.59	-0.16	
4	550	0.50	88.50	549.99	1.63	2.61	-2.61	3.08	57.92	0.27	0.08	
5	672	0.30	286.00	671.98	1.74	2.83	-2.84	3.32	58.49	0.65	-0.16	
6	832	0.40	338.30	831.98	2.37	2.22	-2.23	3.25	43.16	0.20	0.06	
7	919	0.30	240.10	918.98	2.54	1.91	-1.92	3.18	37.00	0.61	-0.11	
8	1,011	1.20	13.50	1010.97	3.36	1.93	-1.94	3.87	29.90	1.55	0.98	
9	1,074	2.10	8.00	1073.95	5.14	2.24	-2.26	5.61	23.59	1.45	1.43	
10	1,199	2.90	348.20	1198.83	10.50	1.92	-1.95	10.68	10.34	0.93	0.64	
11	1,325	3.40	312.10	1324.65	16.13	-1.51	1.45	16.20	354.66	1.59	0.40	
12	1,450	3.70	300.70	1449.41	20.67	-7.73	7.65	22.07	339.51	0.61	0.24	
13	1,575	3.30	292.60	1574.18	24.12	-14.52	14.43	28.15	328.96	0.51	-0.32	
14	1,701	3.10	290.60	1699.98	26.71	-21.05	20.96	34.01	321.75	0.18	-0.16	
15	1,827	3.20	289.10	1825.79	29.06	-27.57	27.46	40.05	316.51	0.10	0.08	
16	1,952	2.80	295.50	1950.62	31.51	-33.62	33.51	46.08	313.15	0.42	-0.32	
17	2,078	2.70	290.90	2076.48	33.90	-39.17	39.05	51.80	310.87	0.19	-0.08	
18	2,177	2.40	291.20	2175.38	35.48	-43.28	43.15	55.96	309.34	0.30	-0.30	
19	2,331	2.20	294.50	2329.25	37.87	-48.97	48.84	61.91	307.71	0.16	-0.13	
20	2,456	2.10	293.70	2454.17	39.79	-53.25	53.12	66.48	306.76	0.08	-0.08	
21	2,582	2.00	293.40	2580.09	41.59	-57.39	57.24	70.87	305.93	0.08	-0.08	
22	2,708	1.90	289.60	2706.01	43.16	-61.37	61.22	75.03	305.12	0.13	-0.08	
23	2,833	1.90	285.20	2830.94	44.40	-65.32	65.17	78.98	304.20	0.12	0.00	
24	2,959	1.70	278.00	2956.88	45.21	-69.19	69.03	82.65	303.16	0.24	-0.16	
25	3,086	1.60	270.60	3083.83	45.49	-72.83	72.67	85.87	301.99	0.19	-0.08	
26	3,212	2.80	318.00	3209.74	47.79	-76.65	76.48	90.33	301.95	1.65	0.95	
27	3,338	1.50	321.80	3335.65	51.38	-79.73	79.55	94.85	302.80	1.04	-1.03	
28	3,464	1.30	299.10	3461.62	53.37	-82.00	81.81	97.83	303.06	0.46	-0.16	
29	3,590	1.30	288.40	3587.58	54.51	-84.60	84.41	100.64	302.80	0.19	0.00	
30	3,716	1.40	283.90	3713.55	55.34	-87.45	87.26	103.49	302.32	0.12	0.08	
31	3,842	1.40	279.60	3839.51	55.96	-90.46	90.27	106.37	301.74	0.08	0.00	
32	3,968	1.50	274.60	3965.47	56.35	-93.62	93.43	109.27	301.04	0.13	0.08	
33	4,094	1.70	265.50	4091.42	56.34	-97.13	96.93	112.29	300.11	0.26	0.16	

Company:	ConocoPhillips Company		
Well Name:	Peridot 8 Federal 2H		
Location:	Lea County, NM		
Rig:	Trinidad #417	Magnetic Declination:	6.74
Job Number:	DDMO-180536		
API #:	30-025-44588		
Vertical Section Azimuth:	269.80	Proposed Direction:	269.80
Survey Calculation Method:	Minimum Curvature		

PTB:	MD		INC		AZM		TVD		N/S		E/W		VS	
	13,083		92.4		268.5		5430.55		32.63		-7791.37		7791.21	
#	Depth Feet	Inc Degrees	Azm Degrees	TVD Feet	N/S Feet	E/W Feet	Surface Vert Sec	Closure		DLS/ 100	BUR/ 100'			
								Distance	Azm					
34	4,220	1.80	260.20	4217.36	55.85	-100.94	100.75	115.37	298.96	0.15	0.08			
35	4,347	1.60	301.50	4344.31	56.44	-104.42	104.22	118.70	298.39	0.96	-0.16			
36	4,473	1.30	358.80	4470.28	58.79	-105.95	105.75	121.17	299.02	1.12	-0.24			
37	4,599	2.30	34.60	4596.22	62.30	-104.55	104.33	121.70	300.79	1.16	0.79			
38	4,725	1.60	56.40	4722.15	65.35	-101.65	101.42	120.84	302.74	0.80	-0.56			
39	4,851	1.60	58.90	4848.10	67.23	-98.67	98.44	119.40	304.27	0.06	0.00			
40	5,041	1.50	345.50	5038.04	71.01	-97.02	96.78	120.24	306.20	0.98	-0.05			
41	5,104	4.50	292.90	5100.96	72.77	-99.51	99.25	123.28	306.18	6.00	4.76			
42	5,167	8.90	274.50	5163.52	74.12	-106.65	106.39	129.87	304.80	7.68	6.98			
43	5,230	14.30	269.10	5225.21	74.38	-119.30	119.04	140.58	301.94	8.73	8.57			
44	5,293	20.10	262.20	5285.37	72.79	-137.82	137.56	155.86	297.84	9.74	9.21			
45	5,356	28.10	256.30	5342.84	67.79	-163.00	162.77	176.54	292.58	13.25	12.70			
46	5,419	37.00	266.30	5395.93	63.04	-196.43	196.21	206.30	287.79	16.47	14.13			
47	5,482	45.50	257.30	5443.30	56.86	-237.37	237.17	244.09	283.47	16.43	13.49			
48	5,546	54.00	257.80	5484.61	46.36	-285.03	284.87	288.78	279.24	13.29	13.28			
49	5,609	62.00	262.50	5517.98	37.32	-337.62	337.49	339.68	276.31	14.18	12.70			
50	5,672	68.10	263.80	5544.55	30.53	-394.31	394.20	395.49	274.43	9.86	9.68			
51	5,735	73.90	264.60	5565.05	24.52	-453.54	453.46	454.21	273.09	9.28	9.21			
52	5,798	79.70	266.40	5579.43	19.72	-514.66	514.59	515.04	272.19	9.62	9.21			
53	5,858	86.50	266.40	5586.63	15.98	-574.08	574.02	574.30	271.59	11.33	11.33			
54	5,930	90.70	272.70	5588.39	15.42	-646.00	645.94	646.18	271.37	10.51	5.83			
55	6,119	93.20	273.50	5581.96	25.63	-834.60	834.50	834.99	271.76	1.39	1.32			
56	6,307	91.30	275.30	5574.58	40.05	-1021.88	1021.74	1022.67	272.24	1.39	-1.01			
57	6,497	89.30	273.80	5573.59	55.12	-1211.27	1211.07	1212.52	272.61	1.32	-1.05			
58	6,685	90.30	273.60	5574.24	67.25	-1398.87	1398.63	1400.49	272.75	0.54	0.53			
59	6,874	88.10	271.90	5576.88	76.32	-1587.62	1587.34	1589.45	272.75	1.47	-1.16			
60	7,064	91.20	268.60	5578.04	77.14	-1777.56	1777.28	1779.23	272.49	2.38	1.63			
61	7,253	90.00	268.20	5576.06	71.87	-1966.47	1966.21	1967.79	272.09	0.67	-0.63			
62	7,443	91.90	268.40	5572.91	66.23	-2156.35	2156.11	2157.37	271.76	1.01	1.00			
63	7,632	92.80	268.40	5565.17	60.96	-2345.12	2344.89	2345.91	271.49	0.48	0.48			
64	7,821	93.70	268.50	5554.45	55.85	-2533.75	2533.53	2534.36	271.26	0.48	0.48			
65	8,010	91.70	269.50	5545.55	52.56	-2722.49	2722.29	2723.00	271.11	1.18	-1.06			
66	8,194	92.60	269.70	5538.64	51.28	-2906.36	2906.16	2906.81	271.01	0.50	0.49			
67	8,378	90.20	270.10	5534.15	50.96	-3090.29	3090.09	3090.71	270.94	1.32	-1.30			

Company:		ConocoPhillips Company												
Well Name:		Peridot 8 Federal 2H												
Location:		Lea County, NM												
Rig:		Trinidad #417				Magnetic Declination:		6.74		REFERENCED TO GRID NORTH				
Job Number:		DDMO-180536												
API #:		30-025-44588												
Vertical Section Azimuth:		269.80				Proposed Direction:		269.80						
Survey Calculation Method:		Minimum Curvature												
PTB:	MD		INC		AZM		TVD		N/S		E/W		VS	
	13,083		92.4		268.5		5430.55		32.63		-7791.37		7791.21	
#	Depth Feet	Inc Degrees	Azm Degrees	TVD Feet	N/S Feet	E/W Feet	Surface Vert Sec	Closure		DLS/ 100	BUR/ 100'			
68	8,562	91.90	270.70	5530.78	52.24	-3274.25	3274.04	3274.66	270.91	0.98	0.92			
69	8,748	90.20	271.40	5527.37	55.65	-3460.18	3459.96	3460.62	270.92	0.99	-0.91			
70	8,937	90.50	269.70	5526.21	57.46	-3649.16	3648.93	3649.61	270.90	0.91	0.16			
71	9,126	92.50	269.70	5521.27	56.47	-3838.08	3837.86	3838.50	270.84	1.06	1.06			
72	9,316	93.40	269.40	5511.49	54.98	-4027.82	4027.60	4028.20	270.78	0.50	0.47			
73	9,505	91.00	268.90	5504.23	52.18	-4216.65	4216.44	4216.97	270.71	1.30	-1.27			
74	9,694	89.20	268.90	5503.90	48.55	-4405.60	4405.41	4405.87	270.63	0.95	-0.95			
75	9,883	90.60	269.50	5504.23	45.92	-4594.58	4594.39	4594.81	270.57	0.81	0.74			
76	10,072	92.50	270.50	5499.12	45.91	-4783.50	4783.31	4783.72	270.55	1.14	1.01			
77	10,261	91.50	269.20	5492.53	45.42	-4972.38	4972.19	4972.58	270.52	0.87	-0.53			
78	10,450	91.50	269.10	5487.58	42.62	-5161.29	5161.11	5161.47	270.47	0.05	0.00			
79	10,639	89.40	269.40	5486.09	40.14	-5350.26	5350.08	5350.41	270.43	1.12	-1.11			
80	10,828	90.90	269.50	5485.60	38.33	-5539.24	5539.08	5539.38	270.40	0.80	0.79			
81	11,016	88.50	268.00	5486.58	34.23	-5727.18	5727.02	5727.28	270.34	1.51	-1.28			
82	11,206	89.40	267.70	5490.07	27.10	-5917.01	5916.88	5917.07	270.26	0.50	0.47			
83	11,395	91.30	268.00	5488.91	20.01	-6105.86	6105.76	6105.90	270.19	1.02	1.01			
84	11,581	90.90	269.70	5485.34	16.28	-6291.78	6291.69	6291.81	270.15	0.94	-0.22			
85	11,770	93.80	271.60	5477.59	18.42	-6480.58	6480.48	6480.61	270.16	1.83	1.53			
86	11,959	96.10	272.80	5461.28	25.64	-6668.72	6668.59	6668.77	270.22	1.37	1.22			
87	12,148	92.80	273.30	5446.62	35.67	-6856.86	6856.69	6856.95	270.30	1.77	-1.75			
88	12,337	90.40	269.40	5441.34	40.11	-7045.68	7045.50	7045.80	270.33	2.42	-1.27			
89	12,527	89.30	269.10	5441.84	37.63	-7235.66	7235.49	7235.76	270.30	0.60	-0.58			
90	12,716	90.00	270.00	5442.99	36.14	-7424.65	7424.48	7424.74	270.28	0.60	0.37			
91	12,905	92.80	269.90	5438.38	35.98	-7613.58	7613.40	7613.66	270.27	1.48	1.48			
92	13,012	92.40	268.50	5433.52	34.49	-7720.45	7720.29	7720.53	270.26	1.36	-0.37			
PTB:	13,083	92.40	268.50	5430.55	32.63	-7791.37	7791.21	7791.44	270.24	0.00	0.00			

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

State of New Mexico
Energy, Minerals and Natural Resources Department
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit Original
to Appropriate
District Office

GAS CAPTURE PLAN

Date: 5/31/19

☐ Original Operator & OGRID No.: ConocoPhillips Company (217817)
☒ Amended - Reason for Amendment: Update to include three wells only at this time

This Gas Capture Plan outlines actions to be taken by the Operator to reduce well/production facility flaring/venting for new completion (new drill, recomple to new zone, re-frac) activity.

Note: Form C-129 must be submitted and approved prior to exceeding 60 days allowed by Rule (Subsection A of 19.15.18.12 NMAC).

Well(s)/Production Facility – Name of facility

The well(s) that will be located at the production facility are shown in the table below.

Well Name	API	Well Location (ULSTR)	Footages	Expected MCF/D	Flared or Vented	Comments
Peridot 8 Fed 001H	30-025-44528	O-8-17S-32E	615'S&2460'E	about 620	flared	
Peridot 8 Fed 002H	30-025-44588	O-8-17S-32E	929'S&2494'E	about 620	flared	
Peridot 8 Fed 003H	30-025-44589	K-8-17S-32E	2081'S&2312'W	about 620	flared	

Gathering System and Pipeline Notification

Well(s) will be connected to a production facility after flowback operations are complete, if gas transporter system is in place. The gas produced from production facility is dedicated to Frontier Field Services and will be connected to Frontier's low/high pressure gathering system located in Lea County, New Mexico. It will require about 1397' of pipeline to connect the facility to low/high pressure gathering system. ConocoPhillips Company provides (periodically) to Frontier Field Services a drilling, completion and estimated first production date for wells that are scheduled to be drilled in the foreseeable future. In addition, ConocoPhillips Company and Frontier Field Services have periodic conference calls to discuss changes to drilling and completion schedules. Gas from these wells will be processed at Frontier's Processing Plant located in Sec. 21, Twn. 17S, Rng. 32E, Lea County, New Mexico. The actual flow of the gas will be based on compression operating parameters and gathering system pressures.

Flowback Strategy

After the fracture treatment/completion operations, well(s) will be produced to temporary production tanks and gas will be flared or vented. During flowback, the fluids and sand content will be monitored. When the produced fluids contain minimal sand, the wells will be turned to production facilities. Gas sales should start as soon as the wells start flowing through the production facilities, unless there are operational issues on Frontier's system at that time. Based on current information, it is ConocoPhillips Company's belief the system can take this gas upon completion of the well(s).

Safety requirements during cleanout operations from the use of underbalanced air cleanout systems may necessitate that sand and non-pipeline quality gas be vented and/or flared rather than sold on a temporary basis.

Alternatives to Reduce Flaring

Below are alternatives considered from a conceptual standpoint to reduce the amount of gas flared.

- Power Generation – On lease
 - Only a portion of gas is consumed operating the generator, remainder of gas will be flared
- Compressed Natural Gas – On lease
 - Gas flared would be minimal, but might be uneconomical to operate when gas volume declines
- NGL Removal – On lease
 - Plants are expensive, residue gas is still flared, and uneconomical to operate when gas volume declines

SB. Maunders