

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NMOCD
Hobbs

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

HOBBS OCD

JAN 16 2018

RECEIVED

5. Lease Serial No. NMLC029405B
6. If Indian, Allottee or Tribe Name
7. If Unit or CA/Agreement, Name and/or No.
8. Well Name and No. RUBY FEDERAL 100H
9. API Well No. 30-025-43370
10. Field and Pool or Exploratory Area MALJAMAR; YESO WEST
11. County or Parish, State LEA COUNTY, NM

1. Type of Well ☒ Oil Well ☐ Gas Well ☐ Other	2. Name of Operator CONOCOPHILLIPS COMPANY Contact: RHONDA ROGERS E-Mail: rogerr@conocophillips.com
3a. Address P. O. BOX 51810 MIDLAND, TX 79710	3b. Phone No. (include area code) Ph: 432-688-9174
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 18 T17S R32E Mer NMP NWNE 990FNL 2260FEL	

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	
	☐ 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.

CONOCOPHILLIPS COMPANY FOR DELIVERED THIS WELL 11/8/17.

14. I hereby certify that the foregoing is true and correct. Electronic Submission #396434 verified by the BLM Well Information System For CONOCOPHILLIPS COMPANY, sent to the Hobbs Committed to AFMSS for processing by JENNIFER SANCHEZ on 12/20/2017 ()	
Name (Printed/Typed) RHONDA ROGERS	Title STAFF REGULATORY TECHNICIAN
Signature (Electronic Submission)	Date 11/30/2017
THIS SPACE FOR FEDERAL OR STATE OFFICE USE	
JAN 5 2018	
Approved By _____	Title _____
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 _____
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)

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

Accepted for Record Only

1/18/2018



7821 Will Rogers Blvd.
Fort Worth, Texas 76140

817.568.1038 (office)
817.568.1499 (fax)
www.msenergyservices.com

Survey Company: MS Energy Services
MWD Surveyor Name: Paul Royar
Survey Type: MWD
Operating Company: ConocoPhillips Company
Well Name & Number: Ruby Federal 100H
API Number: 30-025-43370
Surveyed Depths: 175' – 11,322' MD

Dates Performed: 05/30/2017 – 06/19/2017
Location: Lea County, NM
Job Number: DDMO-170491

I certify that the data is true, correct and complete and within the limitations of the tool set forth by MS Energy Services; 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 Energy Services.

Digitally signed by: Paul Royar
Title: MWD Field Specialist
Date: 07-17-2017
Email: proyar@msenergyservices.com

Company:		ConocoPhillips Company												
Well Name:		Ruby Federal 100H												
Location:		Lea County, NM												
Rig:		Trinidad #417					Magnetic Declination:		6.86		REFERENCED TO GRID NORTH			
Job Number:		DDMO-170491												
API #:		30-025-43370												
Vertical Section Azimuth:				89.80			Proposed Direction:		89.80					
Survey Calculation Method:				Minimum Curvature										
PTB:	MD		INC		AZM		TVD		N/S		E/W		VS	
	11,400		95.1		87.5		6045.78		223.62		5464.21		5464.96	
#	Depth Feet	Inc Degrees	Azm Degrees	TVD Feet	N/S Feet	E/W Feet	Surface Vert Sec	Closure		DLS/ 100	BUR/ 100'			
								Distance	Azm					
TIE IN	0	0.00	0.00	0.00	0.00	0.00			0.00					
1	175	1.70	337.90	174.97	2.41	-0.98	-0.97	2.60	337.90	0.97	0.97			
2	362	1.50	342.20	361.90	7.31	-2.77	-2.74	7.81	339.25	0.12	-0.11			
3	549	1.00	354.90	548.86	11.26	-3.66	-3.62	11.84	341.99	0.30	-0.27			
4	729	0.70	333.60	728.84	13.81	-4.29	-4.24	14.46	342.74	0.24	-0.17			
5	857	0.50	24.00	856.83	15.02	-4.41	-4.36	15.66	343.64	0.42	-0.16			
6	1,045	0.60	13.70	1044.82	16.73	-3.84	-3.79	17.16	347.06	0.07	0.05			
7	1,234	0.30	37.50	1233.82	18.08	-3.31	-3.25	18.38	349.63	0.18	-0.16			
8	1,423	0.20	70.80	1422.81	18.58	-2.70	-2.63	18.78	351.75	0.09	-0.05			
9	1,612	0.30	43.90	1611.81	19.05	-2.04	-1.97	19.16	353.88	0.08	0.05			
10	1,801	0.40	343.70	1800.81	20.04	-1.88	-1.81	20.13	354.63	0.19	0.05			
11	1,990	0.20	238.20	1989.81	20.50	-2.35	-2.28	20.63	353.46	0.26	-0.11			
12	2,111	0.20	300.20	2110.81	20.49	-2.71	-2.64	20.67	352.46	0.17	0.00			
13	2,175	0.40	308.00	2174.81	20.68	-2.98	-2.91	20.90	351.79	0.32	0.31			
14	2,237	0.40	312.70	2236.81	20.96	-3.31	-3.24	21.23	351.02	0.05	0.00			
15	2,301	0.40	306.90	2300.80	21.25	-3.66	-3.58	21.56	350.24	0.06	0.00			
16	2,363	0.40	304.40	2362.80	21.50	-4.01	-3.93	21.87	349.44	0.03	0.00			
17	2,426	0.40	314.10	2425.80	21.78	-4.35	-4.27	22.21	348.71	0.11	0.00			
18	2,489	0.50	318.20	2488.80	22.14	-4.69	-4.61	22.63	348.04	0.17	0.16			
19	2,553	0.60	318.20	2552.80	22.60	-5.10	-5.02	23.16	347.29	0.16	0.16			
20	2,616	0.60	326.00	2615.79	23.12	-5.50	-5.42	23.76	346.61	0.13	0.00			
21	2,679	0.70	329.50	2678.79	23.72	-5.88	-5.80	24.44	346.07	0.17	0.16			
22	2,742	1.20	325.50	2741.78	24.60	-6.45	-6.36	25.43	345.30	0.80	0.79			
23	2,805	1.80	321.40	2804.76	25.91	-7.44	-7.35	26.96	343.98	0.97	0.95			
24	2,868	1.90	331.70	2867.72	27.61	-8.55	-8.46	28.90	342.78	0.55	0.16			
25	2,931	3.10	338.10	2930.66	30.11	-9.68	-9.58	31.62	342.17	1.95	1.90			
26	2,994	3.50	332.30	2993.56	33.39	-11.21	-11.10	35.22	341.44	0.83	0.63			
27	3,057	4.40	331.30	3056.41	37.21	-13.27	-13.14	39.51	340.38	1.43	1.43			
28	3,119	4.20	332.80	3118.23	41.32	-15.45	-15.30	44.11	339.50	0.37	-0.32			
29	3,182	4.90	328.90	3181.04	45.67	-17.89	-17.73	49.05	338.61	1.21	1.11			
30	3,245	5.60	323.40	3243.77	50.44	-21.11	-20.94	54.69	337.29	1.37	1.11			
31	3,308	5.50	325.60	3306.48	55.40	-24.65	-24.46	60.64	336.01	0.37	-0.16			
32	3,371	5.60	319.20	3369.18	60.22	-28.37	-28.16	66.57	334.78	0.99	0.16			
33	3,434	6.10	312.20	3431.85	64.80	-32.86	-32.63	72.65	333.11	1.38	0.79			

Company:		ConocoPhillips Company												
Well Name:		Ruby Federal 100H												
Location:		Lea County, NM												
Rig:		Trinidad #417					Magnetic Declination:		6.86		REFERENCED TO GRID NORTH			
Job Number:		DDMO-170491												
API #:		30-025-43370												
Vertical Section Azimuth:					89.80			Proposed Direction:		89.80				
Survey Calculation Method:					Minimum Curvature									
PTB:	MD		INC		AZM		TVD		N/S		E/W		VS	
	11,400		95.1		87.5		6045.78		223.62		5464.21		5464.96	
#	Depth Feet	Inc Degrees	Azm Degrees	TVD Feet	N/S Feet	E/W Feet	Surface Vert Sec	Closure Distance		Azm	DLS/ 100	BUR/ 100'		
34	3,497	6.10	313.70	3494.50	69.36	-37.76	-37.51	78.97	331.44	0.25	0.00			
35	3,560	6.10	313.90	3557.14	73.99	-42.59	-42.33	85.37	330.08	0.03	0.00			
36	3,623	6.10	314.10	3619.78	78.64	-47.40	-47.13	91.82	328.92	0.03	0.00			
37	3,686	6.10	313.80	3682.43	83.29	-52.22	-51.93	98.31	327.91	0.05	0.00			
38	3,749	6.20	309.60	3745.06	87.77	-57.26	-56.95	104.80	326.88	0.73	0.16			
39	3,812	6.40	309.60	3807.68	92.18	-62.59	-62.26	111.42	325.82	0.32	0.32			
40	3,875	6.20	309.90	3870.30	96.60	-67.90	-67.56	118.08	324.90	0.32	-0.32			
41	3,938	6.30	310.00	3932.93	101.00	-73.16	-72.81	124.72	324.08	0.16	0.16			
42	4,001	6.40	312.40	3995.54	105.59	-78.40	-78.03	131.52	323.41	0.45	0.16			
43	4,064	6.40	312.20	4058.15	110.32	-83.60	-83.21	138.42	322.85	0.04	0.00			
44	4,127	6.40	312.40	4120.76	115.05	-88.79	-88.39	145.32	322.34	0.04	0.00			
45	4,191	6.40	310.50	4184.36	119.77	-94.14	-93.72	152.34	321.83	0.33	0.00			
46	4,253	6.30	309.20	4245.98	124.16	-99.40	-98.97	159.05	321.32	0.28	-0.16			
47	4,317	6.00	305.20	4309.61	128.31	-104.85	-104.41	165.70	320.74	0.82	-0.47			
48	4,380	5.60	301.60	4372.29	131.82	-110.16	-109.70	171.79	320.11	0.86	-0.63			
49	4,443	5.70	303.40	4434.98	135.15	-115.39	-114.92	177.71	319.51	0.32	0.16			
50	4,506	5.10	313.00	4497.70	138.78	-120.05	-119.57	183.50	319.14	1.72	-0.95			
51	4,569	4.90	314.60	4560.46	142.58	-124.02	-123.52	188.97	318.98	0.39	-0.32			
52	4,631	4.90	313.20	4622.24	146.25	-127.83	-127.32	194.25	318.85	0.19	0.00			
53	4,694	4.90	313.60	4685.01	149.95	-131.74	-131.22	199.60	318.70	0.05	0.00			
54	4,757	5.00	315.40	4747.77	153.76	-135.62	-135.08	205.02	318.59	0.29	0.16			
55	4,820	4.70	312.20	4810.55	157.45	-139.46	-138.91	210.33	318.47	0.64	-0.48			
56	4,883	4.40	311.90	4873.35	160.80	-143.17	-142.61	215.30	318.32	0.48	-0.48			
57	4,946	4.30	309.60	4936.17	163.92	-146.79	-146.21	220.04	318.16	0.32	-0.16			
58	5,009	3.90	301.60	4999.01	166.55	-150.43	-149.85	224.43	317.91	1.11	-0.63			
59	5,072	3.10	291.20	5061.89	168.28	-153.84	-153.26	228.01	317.57	1.62	-1.27			
60	5,135	2.40	283.90	5124.82	169.22	-156.71	-156.12	230.64	317.20	1.24	-1.11			
61	5,198	1.30	274.90	5187.78	169.60	-158.71	-158.11	232.27	316.90	1.80	-1.75			
62	5,261	0.70	279.10	5250.77	169.72	-159.80	-159.20	233.11	316.72	0.96	-0.95			
63	5,325	0.70	268.10	5314.77	169.77	-160.57	-159.98	233.68	316.59	0.21	0.00			
64	5,388	0.70	278.00	5377.76	169.81	-161.34	-160.75	234.23	316.46	0.19	0.00			
65	5,461	1.90	112.90	5450.75	169.40	-160.67	-160.08	233.47	316.52	3.54	1.64			
66	5,524	9.50	110.30	5513.39	167.19	-154.82	-154.24	227.86	317.20	12.07	12.06			
67	5,555	13.80	110.00	5543.75	165.03	-148.94	-148.37	222.31	317.93	13.87	13.87			

Company:		ConocoPhillips Company										
Well Name:		Ruby Federal 100H										
Location:		Lea County, NM										
Rig:		Trinidad #417					Magnetic Declination:		6.86		REFERENCED TO GRID NORTH	
Job Number:		DDMO-170491										
API #:		30-025-43370										
Vertical Section Azimuth:			89.80			Proposed Direction:		89.80				
Survey Calculation Method:			Minimum Curvature									
PTB:	MD	INC	AZM	TVD	N/S	E/W	VS					
	11,400	95.1	87.5	6045.78	223.62	5464.21	5464.96					
#	Depth Feet	Inc Degrees	Azm Degrees	TVD Feet	N/S Feet	E/W Feet	Surface Vert Sec	Closure Distance	Azm	DLS/ 100	BUR/ 100'	
68	5,586	17.20	107.90	5573.62	162.36	-141.11	-140.54	215.11	319.01	11.11	10.97	
69	5,618	18.60	111.30	5604.07	159.05	-131.85	-131.29	206.59	320.34	5.46	4.38	
70	5,649	21.60	107.70	5633.18	155.52	-121.80	-121.26	197.54	321.93	10.46	9.68	
71	5,681	24.70	103.40	5662.60	152.18	-109.68	-109.15	187.59	324.22	11.03	9.69	
72	5,713	28.50	101.50	5691.21	149.10	-95.69	-95.17	177.17	327.31	12.17	11.88	
73	5,744	32.40	98.80	5717.93	146.36	-80.23	-79.72	166.91	331.27	13.33	12.58	
74	5,776	36.00	95.70	5744.39	144.11	-62.39	-61.89	157.04	336.59	12.50	11.25	
75	5,807	39.30	93.40	5768.94	142.62	-43.52	-43.02	149.12	343.03	11.57	10.65	
76	5,838	41.70	91.20	5792.51	141.83	-23.41	-22.91	143.74	350.63	9.01	7.74	
77	5,870	45.00	89.80	5815.77	141.64	-1.45	-0.95	141.65	359.41	10.74	10.31	
78	5,902	48.00	88.80	5837.80	141.93	21.76	22.25	143.59	8.72	9.64	9.38	
79	5,933	51.60	87.80	5857.81	142.64	45.42	45.92	149.70	17.66	11.87	11.61	
80	5,965	53.30	87.50	5877.31	143.68	70.77	71.27	160.16	26.22	5.36	5.31	
81	5,996	55.60	86.40	5895.33	145.02	95.95	96.46	173.89	33.49	7.96	7.42	
82	6,028	56.70	86.10	5913.15	146.76	122.47	122.98	191.15	39.84	3.52	3.44	
83	6,091	62.30	85.90	5945.12	150.55	176.60	177.12	232.06	49.55	8.89	8.89	
84	6,154	68.40	84.80	5971.38	155.20	233.64	234.18	280.49	56.40	9.81	9.68	
85	6,217	71.80	86.00	5992.82	159.95	292.68	293.24	333.53	61.34	5.69	5.40	
86	6,280	74.10	86.00	6011.29	164.15	352.76	353.33	389.08	65.05	3.65	3.65	
87	6,343	77.00	87.00	6027.01	167.87	413.65	414.23	446.41	67.91	4.85	4.60	
88	6,406	81.50	89.80	6038.76	169.59	475.49	476.08	504.83	70.37	8.37	7.14	
89	6,469	84.50	91.10	6046.44	169.09	538.01	538.60	563.96	72.55	5.18	4.76	
90	6,531	85.90	91.10	6051.63	167.91	599.78	600.37	622.84	74.36	2.26	2.26	
91	6,587	86.70	91.80	6055.24	166.49	655.65	656.22	676.46	75.75	1.90	1.43	
92	6,649	87.30	91.90	6058.49	164.49	717.53	718.10	736.14	77.09	0.98	0.97	
93	6,712	88.70	91.70	6060.68	162.52	780.46	781.02	797.20	78.24	2.24	2.22	
94	6,775	90.20	91.80	6061.29	160.59	843.43	843.98	858.58	79.22	2.39	2.38	
95	6,838	92.20	91.10	6059.97	159.00	906.39	906.94	920.23	80.05	3.36	3.17	
96	6,901	94.00	90.60	6056.56	158.06	969.29	969.83	982.09	80.74	2.97	2.86	
97	6,963	93.10	88.90	6052.72	158.33	1031.16	1031.71	1043.25	81.27	3.10	-1.45	
98	7,026	92.30	88.20	6049.76	159.93	1094.07	1094.62	1105.70	81.68	1.69	-1.27	
99	7,090	91.00	88.10	6047.91	161.99	1158.01	1158.57	1169.29	82.04	2.04	-2.03	
100	7,153	89.20	87.30	6047.80	164.52	1220.96	1221.52	1231.99	82.33	3.13	-2.86	
101	7,216	88.10	86.30	6049.29	168.04	1283.84	1284.42	1294.79	82.54	2.36	-1.75	

Company:		ConocoPhillips Company										
Well Name:		Ruby Federal 100H										
Location:		Lea County, NM										
Rig:		Trinidad #417					Magnetic Declination:		6.86		REFERENCED TO GRID NORTH	
Job Number:		DDMO-170491										
API #:		30-025-43370										
Vertical Section Azimuth:				89.80		Proposed Direction:		89.80				
Survey Calculation Method:				Minimum Curvature								
PTB:	MD	INC	AZM	TVD	N/S	E/W	VS					
	11,400	95.1	87.5	6045.78	223.62	5464.21	5464.96					
#	Depth Feet	Inc Degrees	Azm Degrees	TVD Feet	N/S Feet	E/W Feet	Surface Vert Sec	Closure Distance	Azm	DLS/ 100	BUR/ 100'	
102	7,342	90.30	86.30	6051.05	176.17	1409.56	1410.16	1420.52	82.88	1.75	1.75	
103	7,468	92.80	86.10	6047.64	184.51	1535.22	1535.86	1546.27	83.15	1.99	1.98	
104	7,594	91.90	85.60	6042.47	193.62	1660.79	1661.45	1672.03	83.35	0.82	-0.71	
105	7,720	89.10	85.70	6041.37	203.18	1786.41	1787.10	1797.92	83.51	2.22	-2.22	
106	7,846	86.40	89.60	6046.32	208.34	1912.17	1912.88	1923.48	83.78	3.76	-2.14	
107	7,971	88.40	89.60	6051.99	209.22	2037.03	2037.75	2047.74	84.14	1.60	1.60	
108	8,097	88.90	91.10	6054.96	208.45	2162.99	2163.70	2173.01	84.50	1.25	0.40	
109	8,223	91.30	90.80	6054.74	206.36	2288.96	2289.67	2298.24	84.85	1.92	1.90	
110	8,349	88.20	89.70	6055.29	205.81	2414.94	2415.64	2423.69	85.13	2.61	-2.46	
111	8,475	88.80	89.00	6058.59	207.24	2540.89	2541.60	2549.33	85.34	0.73	0.48	
112	8,601	88.70	91.00	6061.34	207.24	2666.85	2667.56	2674.89	85.56	1.59	-0.08	
113	8,727	91.20	90.80	6061.45	205.26	2792.83	2793.53	2800.36	85.80	1.99	1.98	
114	8,853	91.50	90.60	6058.48	203.72	2918.78	2919.47	2925.88	86.01	0.29	0.24	
115	8,979	91.60	90.40	6055.07	202.62	3044.73	3045.42	3051.46	86.19	0.18	0.08	
116	9,105	88.50	90.80	6054.96	201.30	3170.71	3171.39	3177.09	86.37	2.48	-2.46	
117	9,231	90.70	90.40	6055.84	199.98	3296.69	3297.37	3302.75	86.53	1.77	1.75	
118	9,357	90.80	89.90	6054.19	199.65	3422.68	3423.35	3428.50	86.66	0.40	0.08	
119	9,483	91.70	89.60	6051.44	200.20	3548.65	3549.32	3554.29	86.77	0.75	0.71	
120	9,609	91.10	89.70	6048.36	200.97	3674.61	3675.28	3680.10	86.87	0.48	-0.48	
121	9,735	89.30	90.60	6047.92	200.64	3800.60	3801.27	3805.89	86.98	1.60	-1.43	
122	9,861	88.80	90.40	6050.01	199.54	3926.57	3927.25	3931.64	87.09	0.43	-0.40	
123	9,987	88.90	91.10	6052.54	197.89	4052.54	4053.20	4057.37	87.20	0.56	0.08	
124	10,113	89.20	91.10	6054.63	195.47	4178.50	4179.15	4183.07	87.32	0.24	0.24	
125	10,239	89.50	90.40	6056.06	193.82	4304.48	4305.13	4308.84	87.42	0.60	0.24	
126	10,366	88.70	89.70	6058.06	193.71	4431.46	4432.11	4435.69	87.50	0.84	-0.63	
127	10,492	90.70	89.30	6058.71	194.81	4557.45	4558.10	4561.61	87.55	1.62	1.59	
128	10,618	89.50	87.60	6058.50	198.22	4683.39	4684.06	4687.59	87.58	1.65	-0.95	
129	10,743	89.00	87.10	6060.13	204.00	4808.25	4808.93	4812.57	87.57	0.57	-0.40	
130	10,870	88.00	89.00	6063.46	208.32	4935.12	4935.82	4939.52	87.58	1.69	-0.79	
131	10,995	90.40	88.90	6065.20	210.61	5060.08	5060.79	5064.46	87.62	1.92	1.92	
132	11,122	91.20	88.50	6063.43	213.49	5187.04	5187.75	5191.43	87.64	0.70	0.63	
133	11,248	93.50	88.00	6058.26	217.33	5312.86	5313.59	5317.30	87.66	1.87	1.83	
134	11,322	95.10	87.50	6052.71	220.23	5386.59	5387.33	5391.09	87.66	2.26	2.16	
PTB:	11,400	95.10	87.50	6045.78	223.62	5464.21	5464.96	5468.78	87.66	0.00	0.00	