

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NM OIL CONSERVATION

ARTESIA DISTRICT

APR 24 2015

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
NMNM15882

RECEIVED

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Otherb. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.
Other _____2. Name of Operator
COG OPERATING LLCContact: STORMI DAVIS
E-Mail: sdavis@concho.com8. Lease Name and Well No.
MOSSY FEDERAL 2H3. Address 2208 W MAIN ST
ARTESIA, NM 882103a. Phone No. (include area code)
Ph: 575-748-69469. API Well No.
30-015-42736

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

At surface Sec 12 T20S R29E Mer NMP
SENE 1650FNL 330FELAt top prod interval reported below
Sec 7 T20S R30E Mer NMP

At total depth SENE 2269FNL 373FEL

10. Field and Pool, or Exploratory
PARKWAY; BONE SPRING11. Sec., T., R., M., or Block and Survey
or Area Sec 12 T20S R29E Mer NMP12. County or Parish
EDDY13. State
NM14. Date Spudded
01/09/201515. Date T.D. Reached
01/28/201516. Date Completed
☐ D & A ☒ Ready to Prod.
03/27/201517. Elevations (DF, KB, RT, GL)*
3272 GL18. Total Depth: MD 13410
TVD 848119. Plug Back T.D.: MD 13340
TVD 848020. Depth Bridge Plug Set: MD 13340
TVD 848021. Type Electric & Other Mechanical Logs Run (Submit copy of each)
NONE22. 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)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
26.000	20.000 J55	94.0	0	300		1025		0	
17.500	13.375 J55	54.5	0	1720		1550		0	
12.250	9.625 J55	40.0	0	3202	1196	1750		0	
8.750	7.000 P110	29.0	0	7691		700		0	
8.750	5.500 P110	17.0	7691	13410					

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	7758							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING	8858	13320	8858 TO 13260	0.430	540	OPEN
B)			13310 TO 13320		60	OPEN
C)						
D)						

26. Perforation Record

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

Depth Interval	Amount and Type of Material
8858 TO 13260	SEE IN REMARKS

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
04/03/2015	04/12/2015	24	→	529.0	552.0	1573.0			ELECTRIC PUMP SUB-SURFACE
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
SI	240	160.0	→	529	552	1573		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.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
SI			→						

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

ELECTRONIC SUBMISSION #299037 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.)
FLARED

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
CHERRY CANYON	3499	4587		RUSTLER	153
BRUSHY CANYON	4588	6148		TOS	470
BONE SPRING LM	6149	7404		BOS	1615
1ST BONE SPRING	7405	8175		YATES	1700
2ND BONE SPRING	8176	8481		SEVEN RIVERS	1850
				CAPITAN	1947
				CHERRY CANYON	3499
				BRUSHY CANYON	4588

32. Additional remarks (include plugging procedure):

Perfs 7 1/2" Sand (#) Fluid (gal)
 13060-13260 6972 448864 403200
 12760-12960 6048 449079 382326
 12461-12660 6048 448717 380226
 12160-12355 5964 449737 378924
 11859-12059 5982 451100 385788
 11559-11759 6006 448731 378168
 11259-11464 6090 453593 433356

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 #299037 Verified by the BLM Well Information System.
 For COG OPERATING LLC, sent to the Carlsbad

Name (please print) STORMI DAVISTitle REGULATORY ANALYST

Signature _____ (Electronic Submission)

Date 04/22/2015

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 ****

Additional data for transaction #299037 that would not fit on the form

32. Additional remarks, continued

10965-11159 6024 451323 467352
10659-10859 6024 451650 379320
10359-10559 5982 452359 377514
10059-10259 6132 451194 374010
9758-9954 6048 449586 376068
9455-9658 6066 452573 375036
9158-9358 6024 449389 371802
8858-9060 6006 451877 380100
Totals 91414 6759772 5843188

Additional Tops:

Bone Spring Lm 6149
1st Bone Spring 7405
2nd Bone Spring 8176

Surveys attached.

**McVAY DRILLING COMPANY**

P.O. Box 2450
Hobbs, New Mexico 88241
(575) 397-3311
FAX: 39-DRILL

Well Name and Num: Mossy Federal #2H
Location: Sec 12, T20S, R29E
Operator: COG
Drilling Contractor: McVay Drilling Company

The undersigned certifies that he is an authorized representative of the drilling contractor who drilled the above described well and that he has conducted deviation tests and obtained the following results:

<u>Degrees @</u>	<u>Depth</u>	<u>Degrees @</u>	<u>Depth</u>	<u>Degrees @</u>	<u>Depth</u>
2.00	416	2.20	7014	88.90	12534
2.60	850	1.50	7374	88.00	12912
2.50	1135	3.90	7750	88.60	13339
1.10	1507	26.50	8037		
2.50	1605	34.80	8136		
3.70	1672	38.50	8226		
4.40	1731	81.50	8552		
0.40	2139	86.10	8858		
1.10	2576	86.30	9235		
1.50	3138	85.00	9517		
2.60	3657	88.10	10083		
0.50	4157	89.10	10177		
0.80	4657	89.10	10273		
1.20	5101	91.70	10743		
1.10	5600	89.90	11215		
1.50	6100	90.30	11686		
1.00	6600	89.80	12063		

NM OIL CONSERVATION
ARTESIA DISTRICT

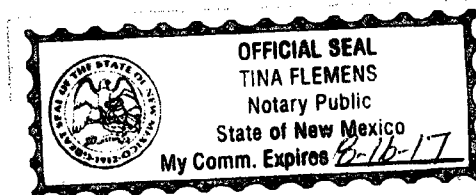
APR 24 2015

RECEIVED

By: Mossy Federal #2H

Subscribed and sworn to before me this 3rd day of February, 2015

Tina Flemens
Notary Public, Lea County, New Mexico



Fax (432) 563-7966
Archer, DDS

10600 County Road 128 W
Odessa, Texas 79765
Tel. (432) 563-7962

Archer

February 2, 2015

COG Operating, LLC
600 W. Illinois Ave.
Midland, Texas 79701

RE: COG Operating, LLC
Mossy Federal 2H
Eddy County, New Mexico
API Well No. 30-015-42736
Rig: McVay 6

NM OIL CONSERVATION
ARTESIA DISTRICT
APR 24 2015
RECEIVED


Dear Sir or Madam:

We hereby certify that the enclosed Original Field Survey Data contained in this report represents to the best of our knowledge, a true and accurate survey of the well at the time the survey was performed.

Please see the attached Directional Survey Report, and the Directional Survey Certification Letter.

We appreciate the opportunity to work with you and we look forward to your business support. If you have any questions, I can be reached at (432) 563-7962.

Sincerely,



Kirk Davis
MWD Coordinator
Archer Directional Drilling Services

Archer

DIRECTIONAL SURVEY REPORT

COG Operating, LLC

Mossy Federal 2H

Eddy County, New Mexico

Fax (432) 563-7966
Archer, DDS

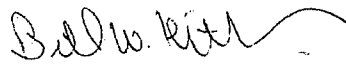
10600 County Road 128 W
Odessa, Texas 79765
Tel. (432) 563-7962

Archer

MWD Survey Certification

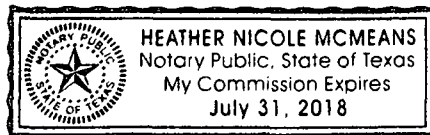
State of New Mexico
County of Eddy

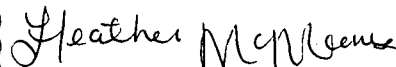
I, Bill Kitchens, certify that; I am employed by Archer Directional Drilling Services; that I did on the day(s) of 01/11/15 through 01/28/15, conduct or supervise the taking of MWD surveys from a depth of 7302.00 feet to a depth of 13339.00 feet; that the data is true, correct, complete, and within the limitations of the tool as set forth by Archer Directional Drilling Services; that I am authorized and qualified to make this report; that these surveys were conducted at the request of COG Operating, LLC for the Mossy Federal 2H, (API# 30-015-42736), Well located in Eddy County, New Mexico; and that I have reviewed this report and find that it conforms to the principles and procedures as set forth by Archer Directional Drilling Services.



Bill Kitchens
MWD Operator

Cc: COG Operating, LLC




02/20/2015

Fax (432) 563-7966

Archer, DDS

10600 County Road 128 W

Odessa, Texas 79765

Tel. (432) 563-7962

Archer

DIRECTIONAL SURVEY COMPANY REPORT:

1. NAME OF SURVEYING COMPANY: ARCHER DDS
2. NAME OF PERSON(S) PERFORMING SURVEY:
BILL KITCHENS, ,
3. POSITION OF SAID PERSON(S): MWD OPERATOR
4. DATE(S) ON WHICH SURVEY WAS PERFORMED: 01/11/15 TO 01/28/15
5. STATE IN WHICH SURVEY WAS PERFORMED: NEW MEXICO
4. LOCATION OF WELL: EDDY COUNTY, NEW MEXICO
7. TYPE OF SURVEY(S) PERFORMED: MWD
8. COMPLETE IDENTIFICATION OF WELL:

COG OPERATING, LLC
MOSSY FEDERAL 2H
COG OPERATING, LLC
EDDY COUNTY, NEW MEXICO
API WELL NO. 30-015-42736
RIG: MCVAY 6
9. SURVEY CERTIFIED FROM: 7302.00 TO 13339.00 FEET MEASURED DEPTH

THIS IS TO VERIFY THAT ATTACHED DOCUMENTS SHOWING THE WELL TO BE DISPLACED AT 5252.61 FEET ON A BEARING OF 96.68 DEGREES FROM THE CENTER OF THE ROTARY TABLE AT A PROJECTED DEPTH OF 13410.00 FEET, ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE.



Kirk Davis
MWD Coordinator

Archer Survey Report

Company: Archer Directional

Location: Lat 32 35 25.86 N, Long 104 1 13.55 W

Well: Mossy Federal #2H

Rig: McVay #6

API or UWI: 30-015-42736

Job Number: 433-1-15-0003

State: NM

Operator: COG Operating, LLC

County: Eddy

Magnetic Declination: 7.21

Comment

Proposed Azimuth: 96.53

North Reference: GRID

Tlein Survey Data:

MD	Inclination	Azimuth	TVD	NS	EW
7272.00	2.41	222.55	7270.17	23.18	-45.28

MD	Inclination	Azimuth	TVD	NS	EW	CA	CD	VS	DLS
7302.00	2.10	225.00	7300.15	22.33	-46.10	295.84	51.22	-48.34	1.08
7374.00	1.50	205.10	7372.11	20.54	-47.43	293.42	51.68	-49.46	1.19
7468.00	1.10	268.90	7466.09	19.41	-48.85	291.67	52.57	-50.74	1.51
7562.00	1.40	251.50	7560.07	19.03	-50.84	290.52	54.29	-52.68	0.51
7656.00	1.10	272.50	7654.05	18.70	-52.83	289.49	56.05	-54.62	0.58
7687.00	0.40	264.20	7685.04	18.70	-53.24	289.36	56.43	-55.02	2.28
7719.00	1.30	118.70	7717.04	18.52	-53.03	289.25	56.17	-54.79	5.14
7750.00	3.90	104.70	7748.01	18.08	-51.70	289.28	54.77	-53.42	8.57
7781.00	6.60	100.90	7778.88	17.48	-48.93	289.66	51.96	-50.60	8.78
7813.00	9.50	95.40	7810.56	16.88	-44.50	290.78	47.59	-46.13	9.37
7845.00	12.50	90.90	7841.97	16.58	-38.40	293.35	41.83	-40.04	9.74
7880.00	14.90	90.10	7875.97	16.51	-30.12	298.73	34.34	-31.80	6.88
7912.00	17.20	91.90	7906.72	16.35	-21.27	307.54	26.83	-22.99	7.35
7943.00	19.80	94.60	7936.11	15.77	-11.46	324.01	19.49	-13.17	8.83
7975.00	22.20	96.20	7965.99	14.69	-0.04	359.84	14.69	-1.71	7.71
8006.00	24.40	98.40	7994.46	13.12	12.12	42.73	17.86	10.55	7.63
8037.00	26.50	98.00	8022.45	11.22	25.30	66.09	27.68	23.86	6.80
8069.00	28.60	97.20	8050.82	9.27	39.97	76.95	41.03	38.66	6.66
8100.00	30.50	97.60	8077.78	7.30	55.13	82.46	55.61	53.95	6.16
8132.00	33.10	97.00	8104.98	5.16	71.86	85.90	72.04	70.80	8.18
8163.00	34.80	98.30	8130.69	2.85	89.01	88.17	89.06	88.11	5.96
8194.00	36.30	96.50	8155.92	0.53	106.89	89.72	106.89	106.13	5.90
8226.00	38.50	96.20	8181.34	-1.62	126.20	90.73	126.21	125.57	6.90
8257.00	41.80	96.20	8205.03	-3.78	146.07	91.48	146.12	145.55	10.65
8288.00	45.90	95.30	8227.38	-5.92	167.43	92.03	167.54	167.02	13.38
8319.00	49.70	95.50	8248.20	-8.08	190.29	92.43	190.46	189.98	12.27
8351.00	53.90	94.40	8267.98	-10.24	215.34	92.72	215.58	215.11	13.40
8382.00	58.50	93.80	8285.22	-12.08	241.03	92.87	241.33	240.84	14.93
8413.00	63.00	93.90	8300.37	-13.90	268.01	92.97	268.37	267.85	14.52
8444.00	67.30	94.90	8313.39	-16.06	296.05	93.11	296.48	295.95	14.18
8476.00	70.90	97.50	8324.81	-19.30	325.76	93.39	326.33	325.84	13.57
8508.00	74.60	99.70	8334.29	-23.87	355.97	93.84	356.77	356.37	13.30

8539.00	78.90	99.60	8341.40	-28.93	385.71	94.29	386.79	386.49	13.87
8617.00	89.50	96.90	8349.27	-40.03	462.39	94.95	464.12	463.94	14.02
8669.00	89.50	96.20	8349.73	-45.96	514.05	95.11	516.10	515.94	1.35
8763.00	87.60	95.30	8352.10	-55.37	607.54	95.21	610.06	609.90	2.24
8858.00	86.10	95.50	8357.32	-64.30	701.97	95.23	704.91	704.73	1.59
8952.00	86.80	96.20	8363.14	-73.86	795.30	95.31	798.73	798.54	1.05
9046.00	86.70	97.30	8368.47	-84.89	888.50	95.46	892.55	892.39	1.17
9141.00	85.80	98.40	8374.69	-97.84	982.41	95.69	987.27	987.16	1.49
9235.00	86.30	97.70	8381.16	-110.97	1075.26	95.89	1080.97	1080.90	0.91
9329.00	86.70	97.10	8386.90	-123.06	1168.30	96.01	1174.76	1174.72	0.77
9423.00	85.20	97.60	8393.54	-135.05	1261.29	96.11	1268.50	1268.47	1.68
9517.00	85.00	97.70	8401.57	-147.52	1354.12	96.22	1362.13	1362.11	0.24
9612.00	85.30	97.30	8409.60	-159.87	1447.96	96.30	1456.76	1456.75	0.53
9706.00	85.00	97.20	8417.55	-171.69	1540.88	96.36	1550.42	1550.41	0.34
9801.00	85.10	98.60	8425.75	-184.70	1634.62	96.45	1645.03	1645.02	1.47
9895.00	85.90	98.80	8433.12	-198.88	1727.26	96.57	1738.67	1738.67	0.88
9989.00	87.10	98.40	8438.86	-212.91	1820.02	96.67	1832.43	1832.43	1.35
10083.00	88.10	98.30	8442.80	-226.55	1912.94	96.75	1926.31	1926.30	1.07
10177.00	89.10	96.90	8445.09	-238.97	2006.09	96.79	2020.27	2020.25	1.83
10272.00	89.50	96.60	8446.25	-250.14	2100.42	96.79	2115.26	2115.24	0.53
10366.00	89.30	96.70	8447.24	-261.02	2193.78	96.79	2209.26	2209.24	0.24
10460.00	89.00	97.20	8448.63	-272.40	2287.08	96.79	2303.25	2303.22	0.62
10554.00	89.20	96.30	8450.11	-283.44	2380.42	96.79	2397.23	2397.21	0.98
10648.00	90.90	96.20	8450.03	-293.68	2473.86	96.77	2491.23	2491.20	1.81
10743.00	91.70	96.80	8447.87	-304.43	2568.22	96.76	2586.20	2586.18	1.05
10837.00	89.30	97.40	8447.05	-316.04	2661.49	96.77	2680.19	2680.16	2.63
10931.00	89.50	97.70	8448.04	-328.39	2754.67	96.80	2774.17	2774.14	0.38
11025.00	89.50	97.00	8448.86	-340.42	2847.89	96.82	2868.17	2868.13	0.74
11120.00	89.70	97.20	8449.52	-352.16	2942.16	96.83	2963.16	2963.12	0.30
11215.00	89.90	97.40	8449.85	-364.23	3036.39	96.84	3058.16	3058.11	0.30
11309.00	88.70	96.70	8451.00	-375.77	3129.67	96.85	3152.15	3152.10	1.48
11403.00	87.70	95.00	8453.95	-385.34	3223.13	96.82	3246.08	3246.04	2.10
11497.00	89.70	96.20	8456.08	-394.52	3316.65	96.78	3340.03	3340.00	2.48
11591.00	90.00	96.40	8456.33	-404.83	3410.08	96.77	3434.03	3434.00	0.38
11686.00	90.30	96.80	8456.08	-415.75	3504.45	96.77	3529.03	3529.00	0.53
11781.00	89.30	96.70	8456.41	-426.91	3598.79	96.77	3624.03	3623.99	1.06
11875.00	89.90	97.50	8457.07	-438.53	3692.07	96.77	3718.02	3717.99	1.06
11969.00	89.20	96.80	8457.81	-450.23	3785.33	96.78	3812.01	3811.98	1.05
12063.00	89.80	96.90	8458.63	-461.44	3878.66	96.78	3906.01	3905.97	0.65
12158.00	88.70	96.60	8459.87	-472.61	3972.99	96.78	4001.00	4000.96	1.20
12252.00	88.90	96.90	8461.84	-483.65	4066.32	96.78	4094.98	4094.94	0.38
12347.00	88.60	96.70	8463.91	-494.90	4160.63	96.78	4189.96	4189.92	0.38
12441.00	90.30	97.90	8464.82	-506.84	4253.85	96.79	4283.94	4283.90	2.21
12534.00	88.90	96.20	8465.46	-518.26	4346.14	96.80	4376.93	4376.89	2.37
12629.00	89.80	97.10	8466.54	-529.26	4440.50	96.80	4471.93	4471.88	1.34
12723.00	88.00	95.40	8468.35	-539.49	4533.91	96.79	4565.90	4565.85	2.63
12818.00	87.80	95.50	8471.83	-548.51	4628.42	96.76	4660.81	4660.77	0.24
12912.00	88.00	96.20	8475.27	-558.08	4721.87	96.74	4754.73	4754.70	0.77
13007.00	88.60	95.30	8478.09	-567.59	4816.35	96.72	4849.68	4849.65	1.14
13101.00	89.70	95.70	8479.49	-576.60	4909.90	96.70	4943.64	4943.62	1.25
13194.00	90.20	96.40	8479.57	-586.40	5002.38	96.69	5036.64	5036.62	0.92
13257.00	90.50	96.20	8479.18	-593.32	5065.00	96.68	5099.63	5099.62	0.57
13288.00	90.50	96.20	8478.91	-596.66	5095.82	96.68	5130.63	5130.61	0.00
13319.00	89.70	96.40	8478.86	-600.07	5126.63	96.68	5161.63	5161.61	2.66
13339.00	88.60	96.80	8479.16	-602.36	5146.50	96.68	5181.63	5181.61	5.85

13410.00	88.60	96.80	8480.89	-610.77	5216.98	96.68	5252.61	5252.59	.000
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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010**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.
NMNM15882

6. If Indian, Allottee or Tribe Name

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

SUBMIT IN TRIPLICATE - Other instructions on reverse side.8. Well Name and No.
MOSSY FEDERAL 2H9. API Well No.
30-015-4273610. Field and Pool, or Exploratory
PARKWAY; BONE SPRING11. County or Parish, and State
EDDY COUNTY, NM1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other2. Name of Operator
COG OPERATING LLC
Contact: STORMI DAVIS
E-Mail: sdavis@concho.com3a. Address
2208 WEST MAIN
ARTESIA, NM 88210
3b. Phone No. (include area code)
Ph: 575-748-69464. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 12 T20S R29E Mer NMP SENE 1650FNL 330FEL

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> 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 shall 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 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

2/5/15 to 2/11/15 MIRU. Pressure test to 8500#. Good test. Drill out cmt, FC & FS. Circulate clean. Load & test 9 5/8" x 7" annulus to 1500# for 15 mins. Good test. Set CBP @ 13340'. Test csg to 6000#. Good test. Perforate 13310-13320' (60) & perform injection test.

2/13/15 to 2/16/15 Perforate Bone Spring 8858-13260' (540). Acdz w/91414 gal 7 1/2% acid; frac w/6759772# sand & 5843188 gal fluid.

2/18/15 Began flowing back & testing.

- 2/28/15 to 3/5/15 Drilled out all frac plugs. Clean down to CBP @ 13340'.

- 3/7/15 to 3/8/15 Set 2 7/8" 6.5# J-55 tbg @ 7758'. Placed well on pump.

14. I hereby certify that the foregoing is true and correct.
**Electronic Submission #299038 verified by the BLM Well Information System
For COG OPERATING LLC, sent to the Carlsbad**

Name (Printed/Typed) STORMI DAVIS

Title PREPARER

Signature (Electronic Submission)

Date 04/22/2015

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By

Title

Date

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.

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

Additional data for EC transaction #299038 that would not fit on the form

32. Additional remarks, continued

3/27/15 Pump down. POOH w/tbg & pump. RIH & set 2 7/8" 6.5# J-55 tbg @ 7746'. Placed well on pump.

4/3/15 Date of 1st production.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010**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.
NMNM15882

6. If Indian, Allottee or Tribe Name

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

SUBMIT IN TRIPLICATE - Other instructions on reverse side.8. Well Name and No.
MOSSY FEDERAL 2H9. API Well No.
30-015-427361. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other2. Name of Operator
COG OPERATING LLC
Contact: STORMI DAVIS
E-Mail: sdavis@concho.com3a. Address
2208 WEST MAIN
ARTESIA, NM 88210
3b. Phone No. (include area code)
Ph: 575-748-69464. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 12 T20S R29E Mer NMP SENE 1650FNL 330FEL10. Field and Pool, or Exploratory
PARKWAY; BONE SPRING11. County or Parish, and State
EDDY COUNTY, NM**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Drilling Operations
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> 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 shall 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 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

1/9/15 Spud well. TD 26" hole @ 303'. Set 20" 94# J-55 csg @ 300'. Cmt w/550 sx Class C. Tailed in w/400 sx. DNC. TOC @ 210' (TS). Ran 1" & pumped 75 sx. Circ 4 bbls to surface. WOC. Test to 1000#.

1/13/15 TD 17 1/2" hole @ 1720'. Set 13 3/8" 54.5# J-55 csg @ 1720'. Cmt w/1200 sx Class C. Tailed in w/350 sx. Circ 522 sx to surface. WOC 18 hrs. Test csg to 1500#. Drilled out 5' below FS w/10# brine - no loss of circ.

1/16/15 TD 12 1/4" hole @ 3202'. Set 9 5/8" 40# J-55 csg @ 3202'. Set DVT @ 1196'. Cmt Stage 1 w/650 sx Class C. Tailed in w/350 sx. Cmt Stage 2 w/500 sx Class C. Tailed in w/250 sx. Circ 173 sx to surface. WOC 18 hrs. Test csg to 1500#. Drilled out 5' below FS w/10# brine - no loss of circ.

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

**Electronic Submission #290685 verified by the BLM Well Information System
For COG OPERATING LLC, sent to the Carlsbad**

Name (Printed/Typed) STORMI DAVIS

Title PREPARER

Signature (Electronic Submission)

Date 02/05/2015

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By	Title	Date
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.

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

Additional data for EC transaction #290685 that would not fit on the form

32. Additional remarks, continued

1/28/15 TD 8 3/4" lateral @ 13410' (KOP @ 7718'). Set 7" 29# P-110 csg 0-7691' & 5 1/2" 17# P-110 csg 7691-13410'. Cmt w/700 sx Class C. Tailed in w/1750 sx. Circ 150 sx to surface.

1/30/15 Rig released.

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

NM OIL CONSERVATION
State of New Mexico ARTESIA DISTRICT
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr. **RECEIVED**
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office
☐ AMENDED REPORT
(As Drilled)

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-42736		² Pool Code 49622	³ Pool Name Parkway; Bone Spring
⁴ Property Code 313801	⁵ Property Name Mossy Federal		⁶ Well Number 2H
⁷ OGRID No. 229137	⁸ Operator Name COG Operating LLC		⁹ Elevation 3272' GR

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	12	20S	29E		1650	North	330	East	Eddy

¹¹ 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
H	7	20S	30E		2269	North	373	East	Eddy

¹² Dedicated Acres 159.55	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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.

¹⁶ 1650' SHL 330' SEC 12-T20S-R29E SEC 7-T20S-R30E	<p>Producing Interval 8858-13320'</p>	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained 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 a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. Signature 4/22/15 Date Stormi Davis Printed Name sdavis@concho.com E-mail Address
¹⁸ 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. Date of Survey Signature and Seal of Professional Surveyor: REFER TO ORIGINAL PLAT Certificate Number		

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

State of New Mexico
Energy, Minerals & Natural Resources

Form C-104
Revised August 1, 2011

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 COG Operating LLC 2208 W. Main Street Artesia, NM 88210		² OGRID Number 229137	
		³ Reason for Filing Code/ Effective Date NW	
⁴ API Number 30 - 015-42736	⁵ Pool Name Parkway; Bone Spring		⁶ Pool Code 49622
⁷ Property Code 313801	⁸ Property Name Mossy Federal		⁹ Well Number 2H

II. ¹⁰ Surface Location

Ul or lot no. H	Section 12	Township 20S	Range 29E	Lot Idn	Feet from the 1650	North/South Line North	Feet from the 330	East/West line East	County Eddy
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¹¹ Bottom Hole Location

Ul or lot no. H	Section 7	Township 20S	Range 30E	Lot Idn	Feet from the 2269	North/South Line North	Feet from the 373	East/West line East	County Eddy
¹² Lse Code F	¹³ Producing Method Code P	¹⁴ Gas Connection Date	¹⁵ C-129 Permit Number		¹⁶ C-129 Effective Date		¹⁷ C-129 Expiration Date		

III. Oil and Gas Transporters

¹⁸ Transporter OGRID 278421	¹⁹ Transporter Name and Address Holly Refining & Marketing Company, LLC PO Box 159 Artesia, NM 88210	²⁰ O/G/W O

NM OIL CONSERVATION
ARTESIA DISTRICT
APR 24 2015
RECEIVED

IV. Well Completion Data

²¹ Spud Date 1/9/15	²² Ready Date 3/27/15	²³ TD 13410'	²⁴ PBTD 13340'	²⁵ Perforations 8858-13260'	²⁶ DHC, MC
²⁷ Hole Size 26"		²⁸ Casing & Tubing Size 20"		²⁹ Depth Set 300'	³⁰ Sacks Cement 1025
17 1/2"		13 3/8"		1720'	1550
12 1/4"		9 5/8"		3202'	1750
8 3/4"		5 1/2" & 7"		13410'	700
		2 7/8"		7758'	

V. Well Test Data

³¹ Date New Oil 4/3/15	³² Gas Delivery Date	³³ Test Date 4/12/15	³⁴ Test Length 24 Hrs	³⁵ Tbg. Pressure 240#	³⁶ Csg. Pressure 160#
³⁷ Choke Size	³⁸ Oil 529	³⁹ Water 1573	⁴⁰ Gas 552		⁴¹ Test Method Pumping

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:

Printed name:
Stormi Davis

Title:
Regulatory Analyst

E-mail Address:
sdavis@concho.com

Date:
4/22/15

Phone:
575-748-6946

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date: