

HOBBS CO

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTNMOCD
HobbsFORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

FEB 09 2017

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
NMNM104685

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other		6. If Indian, Allottee or Tribe Name	
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr. Other		7. Unit or CA Agreement Name and No.	
2. Name of Operator COG OPERATING LLC		Contact: STORMI DAVIS	
3. Address ONE CONCHO CENTER 600 W ILLINOIS AVENUE MIDLAND, TX 79701-4287		3a. Phone No. (include area code) Ph: 575.748.6946	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface Lot 2 1980FNL 210FWL At top prod interval reported below SWNW At total depth SENE 2017FNL 61FEL		8. Lease Name and Well No. SPRUCE GOOSE FEDERAL COM 3H	
14. Date Spudded 07/24/2016		15. Date T.D. Reached 08/08/2016	
16. Date Completed ☐ D & A ☒ Ready to Prod. 11/15/2016		17. Elevations (DF, KB, RT, GL)* 3624 GL	
18. Total Depth: MD 14000 TVD 9244		19. Plug Back T.D.: MD 13976 TVD 9244	
20. Depth Bridge Plug Set: MD TVD		21. Type Electric & Other Mechanical Logs Run (Submit copy of each) NONE	
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)

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
17.500	13.375 J-55	54.5	0	924		730		0	
12.250	9.625 J-55	40.0	0	3113		930		0	
8.750	5.500 P-110	17.0	0	13995		1970		194	

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	8764							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING	9306	13925	9306 TO 13925	0.000	1116	OPEN
B)						
C)						
D)						

26. Perforation Record

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

Depth Interval	Amount and Type of Material
9306 TO 13925	SEE ATTACHED

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
11/21/2016	11/21/2016	24	→	41.0	86.0	1770.0			ELECTRIC PUMP SUB-SURFACE
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	350	13.0	→	41	86	1770		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 #362018 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

DAVID R. GLASS

PETROLEUM ENGINEER

RECLAMATION DUE:
MAY 15 2017ACCEPTED FOR RECORD
1/8/DAVID R. GLASS
JAN 25 2017

K2

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
BRUSHY CANYON	5339	6829		RUSTLER	930
BONE SPRING LIME	6830	8074		TOP OF SALT	1001
BONE SPRING 1ST	8075	8970		BRUSHY CANYON	5339
BONE SPRING 2ND	8971	9255		BONE SPRING LIME	6830
BONE SPRING	9306	13925		BONE SPRING 1ST	8075
				BONE SPRING 2ND	8971

32. Additional remarks (include plugging procedure):
Surveys & perfs/stimulation are attached.

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 #362018 Verified by the BLM Well Information System.

For COG OPERATING LLC, sent to the Hobbs

Committed to AFMSS for processing by JENNIFER SANCHEZ on 01/23/2017 (17JAS0161SE)

Name (please print) STORMI DAVIS

Title REGULATORY ANALYST

Signature (Electronic Submission)

Date 12/27/2016

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.

** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED **

SPRUCE GOOSE FEDERAL COM #3H**30-025-43169****Sec 7-T19S-R32E**

<u>Perfs</u>	<u>7 1/2% Acid (Gal)</u>	<u>Sand (#)</u>	<u>Fluid (Gal)</u>
13824-13925	4020	307930	428598
13674-13774	3108	230290	208896
13530-13623	3000	225756	198174
13372-13473	3012	225376	199320
13221-13322	3024	227640	225430
13076-13171	3444	211980	200058
12920-13020	3012	224774	312115
12769-12869	3012	223988	194552
12618-12718	3000	221983	195570
12467-12568	3045	229967	217800
12316-12417	3000	229800	198422
12165-12266	3012	224560	195372
12013-12115	3012	224990	191130
11864-11964	3012	225560	205326
11713-11814	3000	225200	196326
11562-11663	3000	223240	189421
11411-11505	3012	222470	192764
11261-11361	3012	232071	191214
11114-11210	3024	219050	191562
10959-11057	3024	214130	190512
10808-10909	3024	218370	190134
10657-10758	3000	226230	190950
10507-10607	3000	226830	188766
10356-10456	3012	224200	190080
10205-10305	3012	226350	189853
10054-10155	3024	210677	187950
9903-10004	3000	218790	192792
9752-9853	3012	213230	188316
9602-9702	3000	218300	188539
9451-9547	3012	223680	189338
9306-9401	3012	220530	187643
Totals	94888	6997942	6406921