

HOEBS OCD

NMOCD
Hobbs

Form 3160-4
(August 2007)

APR 10 2017

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.
NMNM23002

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
COG OPERATING LLC Contact: STORMI DAVIS

8. Lease Name and Well No.
SPRUCE GOOSE FEDERAL COM 2H

3. Address ONE CONCHO CENTER 600 W ILLINOIS AVENUE
MIDLAND, TX 79701-4287 3a. Phone No. (include area code)
Ph: 575.748.6946

9. API Well No.
30-015-43878-00-S1

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
At surface Sec 12 T19S R31E Mer NMP Lot 1 985FNL 390FEL
At top prod interval reported below Sec 7 T19S R32E Mer NMP
At total depth NENE 436FNL 57FEL

10. Field and Pool, or Exploratory
LUSK-BONE SPRING, NORTH

11. Sec., T., R., M., or Block and Survey
or Area Sec 12 T19S R31E Mer NMP

12. County or Parish
EDDY 13. State
NM

14. Date Spudded 08/12/2016 15. Date T.D. Reached 08/27/2016 16. Date Completed
 D & A Ready to Prod.
11/20/2016

17. Elevations (DF, KB, RT, GL)*
3626 GL

18. Total Depth: MD 14517 TVD 9263 19. Plug Back T.D.: MD 14500 TVD 9263 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	925		740		0	
12.250	9.625 J-55	40.0	0	3099		930		0	
8.750	5.500 P-110	17.0	0	14517		2190		172	

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		8685						

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING	9365	14450	9365 TO 14450	0.000	1496	OPEN
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
9365 TO 14450	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
11/25/2016	11/25/2016	24	→	77.0	106.0	2334.0			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	340	12.0	→	77	106	2334		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			→						

ACCEPTED FOR RECORD
(ORIG. SCD) DAVID R. GLASS
MAR 23 2017

(See Instructions and spaces for additional data on reverse side)
ELECTRONIC SUBMISSION #364549 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

DAVID R. GLASS

** BLM REVISED **

RECLAMATION DUE:
MAY 25 2017

[Handwritten signature]

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
DELAWARE	4250	5305	OIL/GAS/WATER	RUSTLER	827
BRUSHY CANYON	5306	6801		TOP OF SALT	930
BONE SPRING LIME	6802	8052		TANSILL	2515
BONE SPRING 1ST	8053	8899		QUEEN	3553
BONE SPRING 2ND	8900	9265		DELAWARE	4250
BONE SPRING	9365	14450		BRUSHY CANYON	5306
				BONE SPRING LIME	6802
				BONE SPRING 1ST	8053

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

Additional Tops:
2nd Bone Spring: 8900'

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 #364549 Verified by the BLM Well Information System.
For COG OPERATING LLC, sent to the Hobbs
Committed to AFMSS for processing by DUNCAN WHITLOCK on 03/13/2017 (17DW0020SE)

Name (please print) STORMI DAVIS Title REGULATORY ANALYST

Signature _____ (Electronic Submission) Date 01/23/2017

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 ****