

NM OIL CONSERVATION

ARTESIA DISTRICT

FEB 2 2015
OCD ArtesiaForm 3160-4
(August 2007)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other		5. Lease Serial No. NMNM114969	
b. Type of Completion <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr. Other _____		6. If Indian, Allottee or Tribe Name	
2. Name of Operator COG OPERATING LLC		7. Unit or CA Agreement Name and No.	
Contact: STORMI DAVIS E-Mail: sdavis@concho.com		8. Lease Name and Well No. BARN OWL FEDERAL 2H	
3. Address 2208 W MAIN ST ARTESIA, NM 88210		9. API Well No. 30-015-42472	
3a. Phone No. (include area code) Ph: 575-748-6946		10. Field and Pool, or Exploratory WELCH; BONE SPRING	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* Sec 19 T26S R27E Mer NMP At surface NWNE 520FNL 1450FEL At top prod interval reported below Sec 18 T26S R27E Mer NMP At total depth NWNE 334FNL 1894FEL		11. Sec., T., R., M., or Block and Survey or Area Sec 19 T26S R27E Mer NMP	
14. Date Spudded 07/29/2014		15. Date T.D. Reached 08/15/2014	
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 10/11/2014		17. Elevations (DF, KB, RT, GL)* 3319 GL	
18. Total Depth: MD 14118 TVD 8750		19. Plug Back T.D.: MD 14100 TVD 8750	
20. Depth Bridge Plug Set: MD TVD		21. Type Electric & Other Mechanical Logs Run (Submit copy of each) SEE ATTACHED	
22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> 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 H40	48.0	0	360		400		0	
12.250	9.625 J55	36.0	0	2030		750		0	
8.750	5.500 P110	17.0	0	14105		2750		0	

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	9023	8132						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING	9527	14005	9527 TO 14005	0.430	540	OPEN
B)						
C)						
D)						

26. Perforation Record

Depth Interval	Amount and Type of Material
9527 TO 14005	SEE IN REMARKS

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

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
10/15/2014	10/26/2014	24	→	406.0		2379.0			605 lift - per sealer
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
21/64	SI	450.0	→	406		2379		POW	

28. Production - Interval A

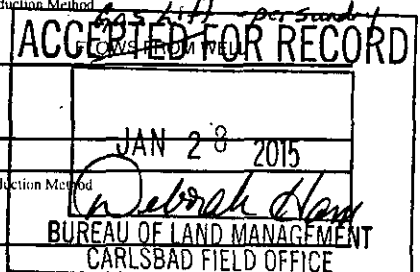
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

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

ELECTRONIC SUBMISSION #280567 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

Due: 4/26/15



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
LAMAR	2037	2073		TOS	359
BELL CANYON	2074	2929		BOS	1854
CHERRY CANYON	2930	4040		LAMAR	2037
BRUSHY CANYON	4041	5629		BELL CANYON	2074
BONE SPRING LM	5630	6580		CHERRY CANYON	2930
1ST BONE SPRING	6581	7098		BRUSHY CANYON	4041
2ND BONE SPRING	7099	8404		BONE SPRING LM	5630
3RD BONE SPRING	8405	8750		1ST BONE SPRING	6581

32. Additional remarks (include plugging procedure):

Perfs 7 1/2" Sand (#) Fluid (gal)
 13801-14005' 3000 452897 391038
 13496-13700' 5964 453225 403074
 13196-13394' 5982 452598 375246
 12886-13089' 5982 454591 420606
 12580-12784' 8250 471921 401726
 11359-11562' 8988 452377 414120
 11054-11257' 5999 425083 364890

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 #280567 Verified by the BLM Well Information System.
 For COG OPERATING LLC, sent to the Carlsbad
 Committed to AFMSS for processing by DEBORAH HAM on 01/15/2015 ()

Name (please print) STORMI DAVIS

Title REGULATORY ANALYST

Signature (Electronic Submission)

Date 11/19/2014

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.

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Additional data for transaction #280567 that would not fit on the form

32. Additional remarks, continued

10748-10952' 5982 417378 364620
10443-10649' 5982 452165 412458
10138-10341' 5982 452599 371886
9832-10036' 5999 453161 368711
9527-9731' 6552 510966 387870
Totals 74660 5448961 4676243

Additional Tops:

2nd Bone Spring 7099
3rd Bone Spring 8405

Surveys and logs are attached.