

NM OIL CONSERVATION ARTESIA DISTRICT

Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Def 03-2014
Loc - 5/22/14
RECEIVED

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
NMNM114349

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other			6. If Indian, Allottee or Tribe Name		
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 _____			7. Unit or CA Agreement Name and No.		
2. Name of Operator COG OPERATING LLC			8. Lease Name and Well No. JACK FEDERAL 2H		
Contact: STORMI DAVIS E-Mail: sdavis@concho.com			9. API Well No. 30-015-42132		
3. Address 2208 W MAIN ST ARTESIA, NM 88210			10. Field and Pool, or Exploratory WILDCAT; BONE SPRING		
3a. Phone No. (include area code) Ph: 575-748-6946			11. Sec., T., R., M., or Block and Survey or Area Sec 31 T25S R27E Mer NMP		
4. Location of Well (Report location clearly and in accordance with Federal requirements)* Sec 31 T25S R27E Mer NMP At surface NWNW Lot 1 240FNL 330FWL At top prod interval reported below Sec 31 T25S R27E Mer NMP At total depth SWSW Lot 4 361FSL 401FWL			12. County or Parish EDDY		
14. Date Spudded 06/03/2013 <i>2014</i>			15. Date T.D. Reached 06/16/2013 <i>2014</i>		
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 07/26/2014			17. Elevations (DF, KB, RT, GL)* 3241 GL		
18. Total Depth: MD 11764 TVD 7412		19. Plug Back T.D.: MD 11630 TVD 7416		20. Depth Bridge Plug Set: MD 11630 TVD 7416	
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) NONE			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 J55	54.5	0	437		450		0	
12.250	9.625 J55	40.0	0	2020		800		0	
7.875	5.500 P110	17.0	0	11759		2350		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	7551	6759						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING	7586	11600	7586 TO 11600	0.430	504	OPEN
B)						
C)						
D)						

26. Perforation Record

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

Depth Interval	Amount and Type of Material
7586 TO 11600	SEE 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
08/01/2014	08/06/2014	24	→	677.0	500.0	2100.0			<div style="border: 1px solid black; padding: 5px; text-align: center;"> ACCEPTED FOR RECORD NOV 25 2014 <i>Subrah</i> </div>
Choke Size 32/64	Tbg. Press. Flwg. SI	Csg. Press. 885.0	24 Hr. Rate →	Oil BBL 677	Gas MCF 500	Water BBL 2100	Gas:Oil Ratio	Well Status 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
			→						<div style="border: 1px solid black; padding: 5px; text-align: center;"> BUREAU OF LAND MANAGEMENT CARLSBAD FIELD OFFICE </div>
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 #261824 VERIFIED BY THE BLM WELL INFORMATION SYSTEM
RECLAIMAT** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **
DUE 2/6/15

CR

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. St	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. St	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	1949	1995		TOS	438
BELL CANYON	1996	2849		BOS	1756
CHERRY CANYON	2850	3937		LAMAR	1949
BRUSHY CANYON	3938	5517		BELL CANYON	1996
BONE SPRING LM	5518	6466		CHERRY CANYON	2850
1ST BONE SPRING	6467	7063		BRUSHY CANYON	3938
2ND BONE SPRING	7064	7412		BONE SPRING LM	5518

32. Additional remarks (include plugging procedure):

Perfs 7 1/2% (Gal) Sand (#) Fluid (Gal)
 11404-11600' 2982 453747 359820
 11110-11307' 5964 452433 370146
 10817-11013' 9006 454173 375770
 10523-10719' 5982 450423 363738
 10229-10425' 5964 458123 353094
 9934-10131' 5964 456356 366786
 9642-9838' 5982 451246 348198

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 #261824 Verified by the BLM Well Information System.
 For COG OPERATING LLC, sent to the Carlsbad
 Committed to AFMSS for processing by DEBORAH HAM on 11/24/2014 ()

Name (please print) STORMI DAVIS

Title REGULATORY ANALYST

Signature (Electronic Submission)

Date 09/08/2014

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 #261824 that would not fit on the form

32. Additional remarks, continued

9353-9544'	5999	455372	335405
9055-9250'	5982	450571	345678
8764-8957'	5982	372255	293472
8467-8662'	5982	449833	345300
8173-8369'	5964	448309	366282
7880-8071'	5999	453844	335369
7586-7782'	5999	459921	335873
Totals	83750	6266606	4894930

Additional Tops

1st Bone Spring	6467'
2nd Bone Spring	7064'