

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.
NNM2386A

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.
891016057X

8. Lease Name and Well No.
BRINNINSTOOL UNIT 4H

9. API Well No.
30-025-41803-00-S1

10. Field and Pool, or Exploratory
CRUZ

11. Sec., T., R., M., or Block and Survey
or Area Sec 20 T23S R33E Mer NMP

12. County or Parish
LEA

13. State
NM

14. Date Spudded
12/15/2014

15. Date T.D. Reached
02/03/2015

16. Date Completed
☐ D & A ☒ Ready to Prod.
04/01/2015

17. Elevations (DF, KB, RT, GL)*
3687 GL

18. Total Depth: MD 15407 TVD 11027

19. Plug Back T.D.: MD 15265 TVD 11030

20. Depth Bridge Plug Set: MD 15265 TVD 11030

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)

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 J55	54.5	0	1395		1300		0	
12.250	9.625 J55	40.0	0	5132		1525		0	
8.750	7.000 P110	29.0	0	12354	6874	1810		1500	
6.125	4.500 P110	13.5	10358	15407		560		10358	

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	10481	10471						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING	11231	15240	11231 TO 15240	0.000	756	OPEN (14865) BS
B)			15290 TO 15300		60	UNDER CBP
C)						
D)						

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

Depth Interval	Amount and Type of Material
11231 TO 15240	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
04/04/2015	04/19/2015	24	→	1277.0	958.0	3464.0			FLOWERS FROM WELL
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
28/64	SI		→	1277	958	3464		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 #299156 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

MAY 19 2015

am

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
DELAWARE	5160	9029		RUSTLER	1295
BONE SPRING LIME	9030	9229		TOP OF SALT	1440
BONE SPRING	9230	10149		BASE OF SALT	4990
BONE SPRING 1ST	10150	10657		DELAWARE	5160
BONE SPRING 2ND	10658	11327		BONE SPRING LIME	9030
BONE SPRING 3RD	11328	12275		BONE SPRING 1ST	10150
WOLFCAMP	12276	12560		BONE SPRING 2ND	10658
				BONE SPRING 3RD	11328

32. Additional remarks (include plugging procedure):
 Perfs 7 1/2" Sand (#) Fluid (gal)
 15111-15240 3066 306109 303660
 14917-15046 5418 312552 332010
 14723-14852 6006 312210 326130
 14529-14658 6024 310161 328504
 14335-14464 6006 308390 330792
 14141-14270 5982 312136 328920
 13947-14076 6006 311656 329448

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 #299156 Verified by the BLM Well Information System.
 For COG OPERATING LLC, sent to the Hobbs
 Committed to AFMSS for processing by LINDA JIMENEZ on 04/30/2015 (15LJ1000SE)**

Name(please print) STORMI DAVIS Title REGULATORY ANALYST

Signature (Electronic Submission) Date 04/23/2015

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.

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

Additional data for transaction #299156 that would not fit on the form

32. Additional remarks, continued

13753-13882 5460 309856 349860
13559-13688 6006 311561 329742
13365-13494 6006 309317 326214
13171-13300 6048 310230 329028
12977-13106 6024 312703 349122
12783-12783 5982 309166 326148
12589-12718 6048 310203 326004
12395-12524 6006 313877 330036
12201-12330 5964 306705 345534
12007-12136 6048 306746 327642
11813-11942 6024 309562 326694
11619-11748 6006 309605 324744
11425-11554 6024 305434 343620
11231-11360 5957 302328 327390
Totals 122109 6500507 6941240

Additional Tops:
Wolfcamp 12276'

Surveys attached.