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Form 3160-4  
(August 2007)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCT 25 2013

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

Farmington Field Office

5. Lease Serial No.  
NMNM113426

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. Indian, Allottee or Tribe Name  
7. Unit or CA Agreement Name and No.

2. Name of Operator  
HPOC, LLC  
Contact: BUTCH BUTLER  
E-Mail: bbutler@highplainsop.com

8. Lease Name and Well No.  
OJO ENCINO 21 FEDERAL DWS 2

3. Address P.O. BOX 5046  
BUENA VISTA, CO 81211

3a. Phone No. (include area code)  
Ph: 719-395-8059

9. API Well No.  
30-031-21111-00-S1

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*  
At surface NESW 2621FSL 2360FWL 36.949160 N Lat, 107.372000 W Lon  
At top prod interval reported below NESW 2621FSL 2360FWL 36.949160 N Lat, 107.372000 W Lon  
At total depth NESW 2621FSL 2360FWL 36.949160 N Lat, 107.372000 W Lon

10. Field and Pool, or Exploratory  
OJO  
UNKNOWN  
11. Sec, T., R., M., or Block and Survey  
or Area Sec 21 T20N R5W Mer NMP  
12. County or Parish  
MCKINLEY  
13. State  
NM

14. Date Spudded  
09/30/2012

15. Date T.D. Reached  
10/07/2012

16. Date Completed  
 D & A  Ready to Prod.  
09/12/2013

18. Total Depth: MD 6232  
TVD 6232

19. Plug Back T.D.: MD 6173  
TVD 6173

20. Depth Bridge Plug Set: MD  
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
INDUCTION&DENSI NEUTRON;CBL

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
12.250	9.625 J-55	36.0	12	394		160	40	12	17
8.750	7.000 J-55	23.0	12	6217	3369	760	245	12	20

RCVD OCT 29 13  
OIL CONS. DIV.  
DIST. 3

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.375	2010		2.875	5919	5902			

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) ENTRADA	5908	5912	5881 TO 5894	0.430	24	OIL COMPLETION
B)			5908 TO 5912	0.430	24	WATER SINK COMPLETION
C)						
D)						

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

Depth Interval	Amount and Type of Material

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
09/13/2013	09/13/2013	24	→	47.0	0.0	83.0	35.1		ELECTRIC PUMPING UNIT
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
NONE	SI 0	0.0	→	47	0	83	0	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
09/13/2013	09/13/2013	24	→	0.0	0.0	1386.0			ELECTRIC PUMPING UNIT
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
NONE	SI 0	0.0	→	0	0	1386		POW	

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

ELECTRONIC SUBMISSION #224113 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

\*\* BLM REVISED \*\*

ACCEPTED FOR RECORD

OCT 28 2013

NMOC

FARMINGTON FIELD OFFICE  
BY TL Sa

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.)  
NO MEASURABLE GAS

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
				CLIFF HOUSE	883
				POINT LOOKOUT	2762
				MANCOS	2888
				GREENHORN	4727
				MORRISON	5107
				TODILTO	5878
				ENTRADA	5886
				CHINLE	6108

32. Additional remarks (include plugging procedure):

ALL DEPTHS, INCLUDING CSG TOP & CEMENT TOP, ARE RELATIVE TO KB, WHICH IS 12' ABOVE GL. THE ENTRIES IN THE CSG AMOUNT PULLED FIELD ARE BBLs OF CEMENT RETURNED TO SURFACE.

This well is a dual completion. See PDF with as drilled & completed wellbore diagram. This is HPOC's first Downhole Water Sink (DWS) completion in the Entrada formation. We are testing to see if a pressure sink created at the oil/transition zone contact will prevent coning in the upper oil completion.

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 #224113 Verified by the BLM Well Information System.  
For HPOC, LLC, sent to the Farmington  
Committed to AFMSS for processing by TROY SALYERS on 10/28/2013 (14TLS0248SE)**

Name (please print) BUTCH BUTLER Title MANAGER

Signature \_\_\_\_\_ (Electronic Submission) Date 10/23/2013

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.

**Additional data for transaction #224113 that would not fit on the form**

**32. Additional remarks, continued**

The upper oil completion is being produced by sucker rod lift. The lower, water sink completion is being produced with an electric submersible pump.

Wireline logs have been submitted.