

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

NMOCD

Hobbs

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No. NMNM27506

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No. SD EA 19 FEDERAL P6 6H

9. API Well No. 30-025-42798-00-S1

10. Field and Pool, or Exploratory WC025G06S263319P-BONE SPRING

11. Sec., T., R., M., or Block and Survey or Area Sec 19 T26S R33E Mer NMP

12. County or Parish LEA

13. State NM

14. Date Spudded 02/01/2016

15. Date T.D. Reached 03/02/2016

16. Date Completed 06/24/2016  Ready to Prod.

17. Elevations (DF, KB, RT, GL)\* 3205 GL

18. Total Depth: MD 13742, TVD 9198

19. Plug Back T.D.: MD 13643, TVD 9198

20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each) 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 Cemen-ter Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.375 J-55	54.5	0	840		1006	238	0	
12.250	9.625 HCK-55	40.0	0	4729		1527	579	0	
8.750	5.500 P-110	20.0	0	13730		1635	556	4892	

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	8670	8648						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING	9490	13549	9490 TO 13549			PRODUCING ***SEE DETAILED R
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
9490 TO 13549	FRAC WITH TOTAL SAND (100 MESH & 40/70) = 5,652,433 LBS (***)SEE DETAILED REPORT 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
06/24/2016	07/20/2016	24	→	626.0	1493.0	357.0			FLOWS FROM WELL
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
30/64	683		→	626	1493	357	2385	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. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

ACCEPTED FOR RECORD  
BY DAVID R. GLASS  
NOV 14 2016

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

ELECTRONIC SUBMISSION #352968 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\*

DAVID R. GLASS  
PETROLEUM ENGINEER

RECLAMATION DUE:  
DEC 24 2016

*[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
RED BEDS	0	710		RUSTLER	710
RUSTLER	710	2939	ANHYDRITE	CASTILE	2940
CASTILE	2940	4759	ANHYDRITE	DELAWARE	4760
DELAWARE	4760	4779	LIMESTONE	BELL CANYON	4780
BELL CANYON	4780	5844	SANDSTONE	CHERRY CANYON	5845
CHERRY CANYON	5845	7509	SANDSTONE	BRUSHY CANYON	7510
BRUSHY CANYON	7510	8964	SANDSTONE	BONE SPRING LIME	8965
BONE SPRING LIME	8965	9021	LIMESTONE	AVALON	9022
AVALON	9022	13742	SHALE		

32. Additional remarks (include plugging procedure):

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 #352968 Verified by the BLM Well Information System.  
For CHEVRON USA INCORPORATED, sent to the Hobbs  
Committed to AFMSS for processing by DEBORAH HAM on 10/20/2016 (17DMH0008SE)**

Name (please print) DENISE PINKERTON Title PERMITTING SPECIALIST

Signature \_\_\_\_\_ (Electronic Submission) Date 09/28/2016

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 \*\***

**SD EA 19 FED P6 #006H**

**PERF & FRAC INFORMATION**

**STAGE 1: 13547, 13500, 13460, 13345, 13307**

6 spf, .41 dia hole. Total bbls pmpd: 315 bbls, Max Pressure: 6865 psi

**PUMP STAGE 1:**

Sand in formation 419,808 lbs 100% Equalize/open well @ 1097 psi. Avg Rate 82.4 bpm.  
Avg press:5206 psi. Max Rate: 85.8 bpm Max Press:8642 psi. ISIP:1852 psi  
Pump Time 99 mins Total clean fluid 9245 bbls Total slurry volume 9699 bbls  
Sand pumped: Sand 100 – 32,220 lbs Sand 40/70 – 389,275 lbs TOTAL:421,495 lbs

**STAGE 2: 13247, 13200, 13085, 13058, 13007**

6 jspf, .41 dia hole. Total bbls pmpd: 326 bbls, max pressure 2048 psi

**PUMP STAGE 2:**

Sand in formation 419,808 lbs: 100%  
Equalize/open well @ 1234 psi. Avg Rate: 86.0 bpm Avg Pressure 5815 psi  
Max rate: 90.5 bpm Max Pressure 8415 psi ISIP 2087 psi  
Pump Time: 142 mins. Total clean fluid:9285 bbls Total Slurry volume:9738 bbls  
Sand pumped: Sand 100 – 32,342 lbs, Sand 40/70: 387,772 lbs TOTAL: 420,114 lbs

**STAGE 3: 12947, 12885, 12845, 12750, 12715**

6 jspf, .41 dia hole. Total bbls pmpd: 235 bbls. Max pressure: 2112 psi

**PUMP STAGE 3**

Sand in formation 419,808 lbs, 100%  
Equalize/open well @ 1440 psi. Ave Rate: 88.7 bpm Ave Pressure: 6099 psi  
Max Rate:90.3 bpm, Max Pressure: 8742 psi. ISIP: 2187 psi.  
Pump Time: 113 mins. Total clean fluid: 9012 bbls. Total slurry volume:9463 bbls  
Sand Pumped: Sand 100 –33,411 lbs, Sand 40/70:385,232 lbs. TOTAL: 418,643 lbs

**STAGE 4: 12665, 12625, 12580, 12535, 12495**

6 JSPF, .41 dia hole. Max press of 2604 psi w/245 bbls pumped.

**PUMP STAGE 4:**

Sand in formation 299,975 lbs, 100%  
Equalize/open well @ 1497 psi. Avg Rate: 90.2 bpm, Avg Pressure: 5914psi.  
Max Rate: 91.2 bpm, Max Pressure: 8800 psi. ISIP:2231 psi.  
Pump Time: 113 mins. Total clean fluid: 6655 bbls, Total slurry volume: 6979 bbls  
Sand pumped: Sand 100: 19,945 lbs, Sand 40/70 281,174lbs, TOTAL: 301,119 lbs

**STAGE 5: 12440, 12380, 12320, 12260, 12200**

6 JSPF, .41 dia hole. Pump dn @ 12 bpm. . Max pressure of 2720 psi w/245 bbls pumped.

**PUMP STAGE 5:**

Sand in formation: 419,808 lbs, 96%,  
Equalize/open well @1287 psi. Ave Rate: 85.8 bpm, Avg pressure:5931 psi  
Max Rate:86.0 bpm, Max Pressure: 8796 psi. ISIP: 2111 psi.  
Pump Time: 120 mins. Total clean fluid:8610 bbls, Total Slurry volume:9044 bbls  
Sand pumped: Sand 100: 30,629 lbs, Sand 40/70: 370,869 lbs, TOTAL: 403,498 lbs

Sand in formation: 470,016 lbs, 100%,  
Equalize/open well @ 1615 psi. Ave Rate: 90.0 bpm. Ave Pressure: 4985 psi.  
Max rate: 90.0 bpm, Max pressure: 8166 psi. ISIP: 2236 psi.  
Pump time: 118 mins. Total clean fluid: 9829 bbls, total slurry volume 10,332 bbls.  
Sand pumped: Sand 100: 32,905 lbs, Sand 40/70: 434,794 lbs, TOTAL: 467,699 lbs

**STAGE 12: 10247, 10187, 10127, 10067, 10007**

6 JSPF, .41 dia hole. Pump dn @ 12 bpm. Max Pressure of 1989 psi w/89 bbls pmped.

**PUMP STAGE 12:**

Sand in formation: 419,808 lbs, 100% Equalize/open well @ 1483psi. Ave Rate: 85.0 bpm, Ave pressure: 5310 psi

Max rate: 86.0 bpm, Max pressure: 8717 psi, ISIP: 2243 psi.

Pump time: 126 mins, Total clean fluid: 8839 bbls, Total slurry volume: 9291 bbls.

Sand pumped: Sand 100: 32,799 lbs, Sand 40/70: 387,307 lbs, TOTAL: 420,106 lbs.

**STAGE 13: 9947, 9870, 9827, 9767, 9707**

6 JSPF, .41 dia hole. Pump dn @ 12 bpm. Max pressure of 2363 psi w/77 bbls pumped.

**PUMP STAGE 13:**

Sand in formation: 419,808 lbs, 100%,

Equalize/open well @ 1883 psi. Ave Rate: 85.2 bpm, Ave Pressure: 4871 psi.

Max Rate: 86.4 bpm, Max Pressure: 8178 psi. ISIP: 2292 psi.

Pump time: 72 mins. Total clean fluid: 8831 bbls, Total slurry volume: 9282 bbls.

Sand pumped: Sand 100: 32,520 lbs, Sand 40/70: 385,813 lbs TOTAL: 418,333 lbs

**STAGE 14: 9650, 9620, 9587, 9529, 9490**

6 JSPF, .41 dia hole. Pump down @ 15 bpm. Max press of 2323 psi w/54 bbls pumped.

**PUMP STAGE 14:**

Sand in formation: 300,050 lbs 100%. Equalize/open hole W 1972 psi. Ave rate: 90.0 bpm, Ave Press: 5505 psi

Max Rate: 90.0bpm, Max pressure: 8306 psi. ISIP: 2426 psi.

Pump time: 90 mins. Total clean fluid: 6690 bbls, Total slurry volume: 7013 bbls.

Sand pumped: Sand 100: 19,966 lbs, Sand 40/70: 280,081 lbs, TOTAL 300,047 lbs.