NMOCD
Hobbs

Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

HOBBS OCD
FEB 01 2017
RECEIVED

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.: NMNM27506

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. If Indian, Allottee or Tribe Name:

7. Unit or CA Agreement Name and No.:

2. Name of Operator: CHEVRON USA INCORPORATED — Contact: DENISE PINKERTON — E-Mail: leakejd@chevron.com

8. Lease Name and Well No.: SD EA 19 FEDERAL P6 5H

3. Address: 15 SMITH ROAD, MIDLAND, TX 79705

3a. Phone No. (include area code): Ph: 432-687-7375

9. API Well No.: 30-025-42797-00-S1

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

At surface: NWNE 227FNL 1747FEL

At top prod interval reported below: SWSE 404FSL 2249FEL

At total depth: SWSE 404FSL 2249FEL

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: 01/30/2016

15. Date T.D. Reached: 03/16/2016

16. Date Completed: ☐ D & A ☒ Ready to Prod. 06/27/2016

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

18. Total Depth: MD 13928 TVD 9195

19. Plug Back T.D.: MD 13865 TVD 9195

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 Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.375 J-55	54.5	0	838		1006	238	0	
12.250	9.625 HCK-55	40.0	0	4745		1525	578	0	
8.750	5.500 HCP-110	20.0	0	13915		1614	549	3760	

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	8680	8657						

25. Producing Intervals / 26. Perforation Record

	Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A)	BONE SPRING	9425	13702	9425 TO 13702			PRODUCING ***DETAILED PERF
B)							
C)							
D)							

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

Depth Interval	Amount and Type of Material
9425 TO 13702	FRAC W/TOTAL SAND (100 MESH & 40/70) = 6,015,341 LBS ***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
06/27/2016	07/18/2016	24	→	798.0	1998.0	410.0			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
34/64	908 SI		→	798	1998	410	2504	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
/S/ DAVID R. GLASS
NOV 15 2016

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

ELECTRONIC SUBMISSION #352097 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

DAVID R. GLASS
PETROLEUM ENGINEER

RECLAMATION DUE:
DEC 27 2016

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, HALITE	CASTILE	2940
CASTILE	2940	4749	ANHYDRITE	DELAWARE	4750
DELAWARE	4750	4769	LIMESTONE	BELL CANYON	4770
BELL CANYON	4770	5859	SANDSTONE	CHERRY CANYON	5860
CHERRY CANYON	5860	7509	SANDSTONE	BRUSHY CANYON	7510
BRUSHY CANYON	7510	8964	SANDSTONE	BONE SPRING LIME	8965
BONE SPRING LIME	8965	9024	LIMESTONE	BONE SPRING	9025
BONE SPRING	9025	13928	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 #352097 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 (17DMH0007SE)

Name *(please print)* DENISE PINKERTON Title PERMITTING SPECIALIST

Signature (Electronic Submission) Date 09/22/2016

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 fradulent statements or representations as to any matter within its jurisdiction.

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

SD EA 19 FED P6 #005H

PERF & FRAC INFORMATION

STAGE 1: 13700, 13665, 13605, 13545, 13485
6 spf, .41 dia hole.
PUMP STAGE 1:
Sand in formation 419,808 lbs 100% Prime up & test lines to 9500psi.
Equalize/open well @ 1399 psi. Avg Rate 88.3 bpm. Avg press:5644 psi.
Max Rate: 90.3 bpm Max Press:8868 psi. ISIP:1880 psi
Pump Time 115 mins Total clean fluid 8932 bbls Total slurry volume 9383 bbls
Sand pumped: Sand 100 – 33,056 lbs Sand 40/70 – 385,873 lbs TOTAL:418,929 lbs

STAGE 2: 13425, 13375, 13300, 13245, 13200
6 jspf, .41 dia hole. Total bbls pmpd: 313 bbls, max pressure 2378 psi
PUMP STAGE 2:
Sand in formation 419,808 lbs: 100% Test lines to 9500 psi.
Equalize/open well @ 1388 psi. Avg Rate: 88.9 bpm Avg Pressure 5824 psi
Max rate: 89.4 bpm Max Pressure 8173 psi ISIP 2068 psi
Pump Time: 146 mins. Total clean fluid:8981 bbls Total Slurry volume:9433 bbls
Sand pumped: Sand 100 – 32,344 lbs, Sand 40/70: 387,468 lbs TOTAL: 419,812 lbs

STAGE 3: 13125, 13055, 13005, 12945, 12885
6 jspf, .41 dia hole. Total bbls pmpd: 260 bbls. Max pressure: 2223 psi
PUMP STAGE 3
Sand in formation 419,808 lbs, 100% Prime up & test lines to 9500psi.
Equalize/open well @ 1418 psi. Ave Rate: 85.8 bpm Ave Pressure: 6076 psi
Max Rate:90.7 bpm, Max Pressure: 8900 psi. ISIP: 2120 psi.
Pump Time: 113 mins. Total clean fluid: 11,753 bbls. Total slurry volume:12,204 bbls
Sand Pumped: Sand 100 –32,716 lbs, Sand 40/70:386,503 lbs. TOTAL: 419,219 lbs

STAGE 4: 12825, 12755, 12705, 12645, 12586
6 JSPF, .41 dia hole. Max press of 2193 psi w/258 bbls pumped.
PUMP STAGE 4:
Sand in formation 419,808 lbs, 100% Prime up & test lines to 9500 psi.
Equalize/open well @ 1593 psi. Avg Rate: 89.7 bpm, Avg Pressure: 5592psi.
Max Rate: 90.5 bpm, Max Pressure: 8276 psi. ISIP:2220 psi.
Pump Time: 113 mins. Total clean fluid: 9029 bbls, Total slurry volume: 9480 bbls
Sand pumped: Sand 100: 32,597 lbs, Sand 40/70L 387,098 lbs, TOTAL: 419,695 lbs

STAGE 5: 12525, 12465, 12405, 12330, 12285
6 JSPF, .41 dia hole. Pump dn @ 12 bpm. . Max pressure of 2263 psi w/240 bbls pumped.
PUMP STAGE 5:
Sand in formation: 419,808 lbs, 100%, Prime up & test lines to 9500psi.
Equalize/open well @1666 psi. Ave Rate: 85.7 bpm, Avg pressure:5972 psi
Max Rate:86.1 bpm, Max Pressure: 8232 psi. ISIP: 2354 psi.
Pump Time: 120 mins. Total clean fluid:8835 bbls, Total Slurry volume:9288 bbls
Sand pumped: Sand 100:30,832 lbs, Sand 40/70:389,871 lbs, TOTAL: 420,703 lbs

STAGE 6: 12180, 12135, 12075, 12005, 11955
6 JSPF, .41 dia hole. Pump dn @ 12 bpm. Max Pressure of 3049 psi w/235 bbls pumped.
PUMP STAGE 6:
Sand in formation: 470,016 lbs, 100%. Prime up & test lines to 9500 psi.
Equalize/open well @ 1862 psi. Ave Rate:88.8 bpm, Ave Pressure: 5509 psi.
Max rate:91.0 bpm, Max Pressure:8131 psi. ISIP:2255 psi.
Pump time:132 mins. Total clean fluid: 10,001 bbls, Total Slurry volume:10,508 bbls
Sand pumped: sand 100:32,450 lbs, sand 40/70:438,489 lbs. TOTAL:470,939 lbs

STAGE 7: 11850, 11775, 11691, 11625, 11565
6 JSPF, .41 dia hole. Pump dn @ 12 bpm. . Max pressure of 2214 psi w/185 bbls pumped.
PUMP STAGE 7:
Sand in formation: 470,016 lbs,100 %, Prime up & test lines to 9500 psi.
Equalize/open hole @1922 psi. Ave rate:86.5 bpm, Ave Pressure:5132 psi
Max rate: 87.0 bpm, Max Pressure:8255 psi. ISIP: 2290 psi.
Pump time:118 mins. Total clean fluid:9852 bbls, Total slurry volume:10,360 bbls.
Sand Pumped: Sand 100: 32,569 lbs, Sand 40/70: 439,144 lbs, TOTAL:471,713 lbs

STAGE 8: 11500, 11455, 11375, 11300, 11221
6 JSPF, .41 dia hole. Pump dn @ 12 bpm. Max pressure of 2306 psi w/174 bbls pumped.
PUMP STAGE 8:
Sand in formation: 470,316 lbs, 100%, Prime up & test lines to 9500 psi.
Equalize/open hole @ 1796 psi. Ave Rate: 85.5 bpm, Ave pressure: 5501 psi
Max Rate: 85.7 bpm, Max pressure: 7866 psi. ISIP: 2267 psi.
Pump time: 118 mins. Total clean fluid: 9940 bbls, Total slurry volume: 10,447 bbls
Sand pumped: Sand 100: 33,161 lbs, Sand 40/70: 437,875 lbs. TOTAL 471,036 lbs

STAGE 9: 11130, 11075, 11011, 10950, 10915
6 JSPF, .41 dia hole. Pump dn @ 12 bpm. Max pressure of 1397 psi w/167 bbls pumped.
PUMP STAGE 9:
Sand in Formation: 419,808 lbs, 100% Prime up & test lines to 9500 psi.
Equalize/open well @ 1740 psi. Ave Rate: 85.0 bpm, Ave Pressure: 5730 psi.
Max rate: 90.0 bpm, Max pressure: 7818 psi. ISIP: 2114 psi.
Pump time: 118 mins. Total Clean fluid: 8861 bbls, Total slurry volume: 9314 bbls
Sand pumped: Sand 100: 32,609 lbs, Sand 40/70: 387,855 lbs. TOTAL: 420,464 lbs

STAGE 10: 10855, 10815, 10775, 10735, 10695
6 JSPF, .41 dia hole. Pump dn @ 12 bpm. Max press of 3185 psi w/121 bbls pumped.
PUMP STAGE 10:
Sand in formation: 299,975 lbs, 100% Prime up and test lines to 9500 psi.
Equalize/open well @ 1901 psi. Ave Rate: 84.8 bpm, Ave Pressure: 5842 psi.
Max Rate: 86.1 bpm, Max pressure: 8443 psi. ISIP: 2419 psi.
Pump time: 118 mins. Total clean fluid: 6652 bbls, Total slurry volume: 6975 bbls
Sand pumped: Sand 100: 21,012 lbs, Sand 40/70: 278,896 lbs. TOTAL 299,908 lbs

STAGE 11: 10635, 10565, 10500, 10435, 10368
6 JSPF, .41 dia hole. Pump dn @ 12 bpm. Max Press 2981 psi w/120 bbls pumped.

PUMP STAGE 11:
Sand in formation: 470,016 lbs, 100%, Prime up and test lines to 9500 psi.
Equalize/open well @ 1867 psi. Ave Rate: 84.9 bpm. Ave Pressure: 5516 psi.
Max rate: 85.6 bpm, Max pressure: 8341 psi. ISIP: 2372 psi.
Pump time: 118 mins. Total clean fluid: 9836 bbls, total slurry volume 10,343 bbls.
Sand pumped: Sand 100: 32,583 lbs, Sand 40/70: 438,322 lbs, TOTAL: 470,905 lbs

STAGE 12: 10310, 10245, 10180, 10115, 10050
6 JSPF, .41 dia hole. Pump dn @ 12 bpm. Max Pressure of 2515 psi w/98 bbls pmped.
PUMP STAGE 12:
Sand in formation: 470,016 lbs, 100% Prime up and test lines to 9500 psi.
Equalize/open well @ 1997psi. Ave Rate: 85.0 bpm, Ave pressure: 5475 psi
Max rate: 85.0 bpm, Max pressure: 7975 psi, ISIP: 2319 psi.
Pump time: 126 mins, Total clean fluid: 9777 bbls, Total slurry volume: 10,283 bbls.
Sand pumped: Sand 100: 32,541 lbs, Sand 40/70: 437,797 lbs, TOTAL: 470,338 lbs.

STAGE 13: 9990, 9925, 9860, 9795, 9730
6 JSPF, .41 dia hole. Pump dn @ 12 bpm. Max pressure of 2417 psi w/74 bbls pumped.
PUMP STAGE 13:
Sand in formation: 470,016 lbs, 100%, Prime up & test lines to 9500 psi.
Equalize/open well @ 1981 psi. Ave Rate: 85.0 bpm, Ave Pressure: 5197 psi.
Max Rate: 85.7 bpm, Max Pressure: 8153 psi. ISIP: 2473 psi.
Pump time: 72 mins. Total clean fluid: 9821 bbls, Total slurry volume: 10,329 bbls.
Sand pumped: Sand 100: 32,918 lbs, Sand 40/70: 438,808 lbs TOTAL: 471,726 lbs

STAGE 14: 9670, 9600, 9530, 9475, 9425
6 JSPF, .41 dia hole. Pump down @ 15 bpm. Max press of 2615 psi w/65 bbls pumped.
PUMP STAGE 14:
Sand in formation: 370,050 lbs 100%. Prime up & test lines to 9500 psi.
Equalize/open hole W 1872 psi. Ave rate: 85.0 bpm, Ave Press: 5367 psi
Max Rate: 86.0bpm, Max pressure: 8092 psi. ISIP: 2767 psi.
Pump time: 111 mins. Total clean fluid: 8001 bbls, Total slurry volume: 8399 bbls.
Sand pumped: Sand 100: 23,789 lbs, Sand 40/70: 345,265 lbs, TOTAL 370,054 lbs.