

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
OCD Artesia
JUL 11 2018

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

Lease Serial No.
NMMN113944

1a. Type of Well Oil Well Gas Well Dry Other
 b. Type of Completion New Well Work Over Deepen Plug Back Diff. Resvr.
 Other _____

2. Name of Operator: CHISHOLM ENERGY OPERATING LEASING, L.P. Contact: JENNIFER ELROD
 Email: JELROD@CHISHOLMENERGY.COM

3. Address: 801 CHERRY STREET FORT WORTH, TX 76012 3a. Phone No. (include area code) Ph: 817-953-3728

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
 At surface: SESE 200FSL 970FEL 32.021029 N Lat, 104.292404 W Lon
 At top prod interval reported below: SESE 356FNL 540FEL
 At total depth: Lot L-1 340FSL 565FEL 32.001030 N Lat, 104.290821 W Lon

6. If Indian, Allottee or Tribe Name
 7. Unit or CA Agreement Name and No. NMMN137971
 8. Lease Name and Well No. COTTONWOOD 28 33 FED COM WCA 4H
 9. API Well No. 30-015-43690-00-S1
 10. Field and Pool, or Exploratory PURPLE SAGE-WOLFCAMP (GAS)
 11. Sec., T., R., M., or Block and Survey or Area Sec 21 T26S R26E Mer NMP
 12. County or Parish EDDY 13. State NM
 14. Date Spudded 10/16/2017 15. Date T.D. Reached 11/18/2017 16. Date Completed D & A Ready to Prod. 01/04/2018
 17. Elevations (DF, KB, RT, GL)* 3384 GL
 18. Total Depth: MD 15744 TVD 8373 19. Plug Back T.D.: MD 15730 TVD 8373 20. Depth Bridge Plug Set: MD TVD
 21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CBL; GAMMARAY 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 J-55	54.5	0	454		575		0	0
12.250	9.625 J-55	40.0	0	7780		2745		0	0
8.750	5.500 P-110	20.0	0	15734		2625		6780	0

AFB
7/12/18

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	8200	8200						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WOLFCAMP	9010	15700	9010 TO 15700	45.000	1792	OPEN - Wolfcamp
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
9010 TO 15700	FRAC W/770 BBLS HCL + 135,344 BBL SW, W/6,451,367# 100 MESH + 3,672,295# 20/40 SAND

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
01/16/2018	02/01/2018	24	▶	538.0	900.0	3323.0	49.0	0.84	GAS LIFT
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
48/64	SI	600	▶	538	900	3323	1672	PGW	

ACCEPTED FOR RECORD

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		▶						

JUN 30 2018
BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

(See Instructions and spaces for additional data on reverse side)
ELECTRONIC SUBMISSION #410600 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** BLM REVISED **

Reclamation Due: 7/4/2018

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
CASTILE	48		ANHY & SALT	DELAWARE	1779
DELAWARE	1563		SS, SLTST, & SH	BONE SPRING	5365
BONE SPRING	5093		LS & SH	BONE SPRING 1ST	6259
BONE SPRING 1ST	5948		SS, SLTST, & SH	BONE SPRING 2ND	6471
BONE SPRING 2ND	6438		SS, SLTST, & SH	BONE SPRING 3RD	7223
BONE SPRING 3RD	6878		LS, SS, & SH	WOLFCAMP	8412

32. Additional remarks (include plugging procedure):

KJD;AIUDKMN;AVKHKALFMDN; LAJDKF;A AKLF;DJFDMA;VLKJA;KLJA;DIFJ AMVDLK;A, MV;KAMV;AOIMNF
KANMVP AI MVKAMC VPOAIMDFKAL;MDF,L;DAMVL;ADMVDALMC;VAMDPOFIMAVLKA DMKVALOJDFKAM VAOMDKVPA
DFNA KDVMN;AKLMVAOIMDFAPD "BCW"

01/16 - 2/16/18 FLOWING.
02/17/18 GAS LIFT.

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 #410600 Verified by the BLM Well Information System.
For CHISHOLM ENERGY OPERATING LLC, sent to the Carlsbad
Committed to AFMSS for processing by DUNCAN WHITLOCK on 04/09/2018 (18DW0124SE)

Name (please print) JENNIFER ELROD Title SR REGULATORY TECH

Signature _____ (Electronic Submission) Date 04/06/2018

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 ****

Additional data for transaction #410600 that would not fit on the form

32. Additional remarks, continued

PILOT HOLE:

10/31/17 Drill Pilot Hole to 11,000' MD.

11/01 - 13/17 Ran Quad Combo, Triple Combo, & Cores.

11/03/17 Contacted Chase @ BLM regarding cmnt plugs.

11/04/17 pump 195 SXS (41 bbls) class H CMNT w/1.18 yield from 10,993'-10,033'; WOC; Tag

cmnt 10,160'; pump 235 SXS (49 bbls) Class H cmnt; 1.18 yield from 8,500'-7,900'; WOC;

tag cmnt @ 8,238'.

11/05/17 Trip in hole w/whipstock @ 7,840' set anchors.

11/06/17 Drill Prod Hole.

CONTD FORMATION LOG MARKERS

WOLFCAMP B 8966

STRAWN 108103