

NMOC

Artesia

UNITED STATES BUREAU OF LAND MANAGEMENT
DEPARTMENT OF THE INTERIOR
ARTESIA DISTRICT

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
NMNM113944

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
CHISHOLM ENERGY OPERATING, LLC
Contact: BETTIE WATSON
Email: bettie@watsonreg.com

8. Lease Name and Well No.
COTTONWOOD 28-32 FED 2BS 1H

3. Address
801 CHERRY ST., SUITE 1200 - UNIT 20
FORT WORTH, TX 76102

3a. Phone No. (include area code)
Ph: 817-864-1104

9. API Well No.
30-015-43691

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
At surface NWNW 150FNL 1270FWL
At top prod interval reported below NWNW 616FNL 789FWL
At total depth SWSW 282FSL 675FWL

10. Field and Pool, or Exploratory
WELCH; BONE SPRING

11. Sec., T., R., M., or Block and Survey
or Area Sec 28 T26S R26E Mer

12. County or Parish
EDDY

13. State
NM

14. Date Spudded
05/16/2017

15. Date T.D. Reached
06/24/2017

16. Date Completed
☐ D & A ☒ Ready to Prod.
08/23/2017

17. Elevations (DF, KB, RT, GL)*
3401 GL

18. Total Depth: MD 13881
TVD 6816

19. Plug Back T.D.: MD 13728
TVD 6815

20. Depth Bridge Plug Set: MD
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
REAL-TIME LWD 2"-5" MD GAMMA/EWR LOG & 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		411		584	138	0	
12.250	9.625 J-55	36.0		1590		428	171	0	
8.750	5.500 P-110	17.0		13858		2622	868	0	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING	7218	13698	7218 TO 13698	0.450	1736	OPEN PRODUCING
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
7218 TO 13698	WATER 4,947,551 GAL, SAND (PROPPANT) 9,968,088 LBS., 15% HCL 30,859 GAL

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
08/27/2017	08/28/2017	24	→	201.0	497.0	2549.0	47.2		FLows FROM WELL
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
44	SI	320.0	→	201	497	2549	2472		

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
			→						DEC 20 2017
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	SI		→						

DAVID R. GLASS
PETROLEUM ENGINEER

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

ELECTRONIC SUBMISSION #389070 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **

RECLAMATION DUE:
FEB 23 2018

7/10/18 AB

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	173		ANHY & SALT		
DELAWARE MTN GR	1573		SS, SLTST, & SH		
BONE SPRING	5188		LS & SH		
1ST BONE SPRING SS	6048		SS, SLTST, & SH		
2ND BONE SPRING SS	6548		SS, SLTST, & SH		
3RD BONE SPRING SS	7788		SS, SLTST, & SH		
WOLFCAMP	8113		SLTST, LS, & SH		
WOLFCAMP "B"	9138		LS & SH		

32. Additional remarks (include plugging procedure):

Toe perf location: Sec 33, T26S, R26E, SWSW 39S' FSL & 672 FWL

TD Pilot hole @ 10800' - (See attached)

Attached: Additional Comments for this Section 53, Directional Survey, Log 5"-100 - MD , CBL, Frac Focus Detail, C102, C104

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 #389070 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 11/02/2017 ()

Name (please print) BETTIE WATSON

Title REGULATORY CONSULTANT

Signature _____ (Electronic Submission)

Date 09/19/2017

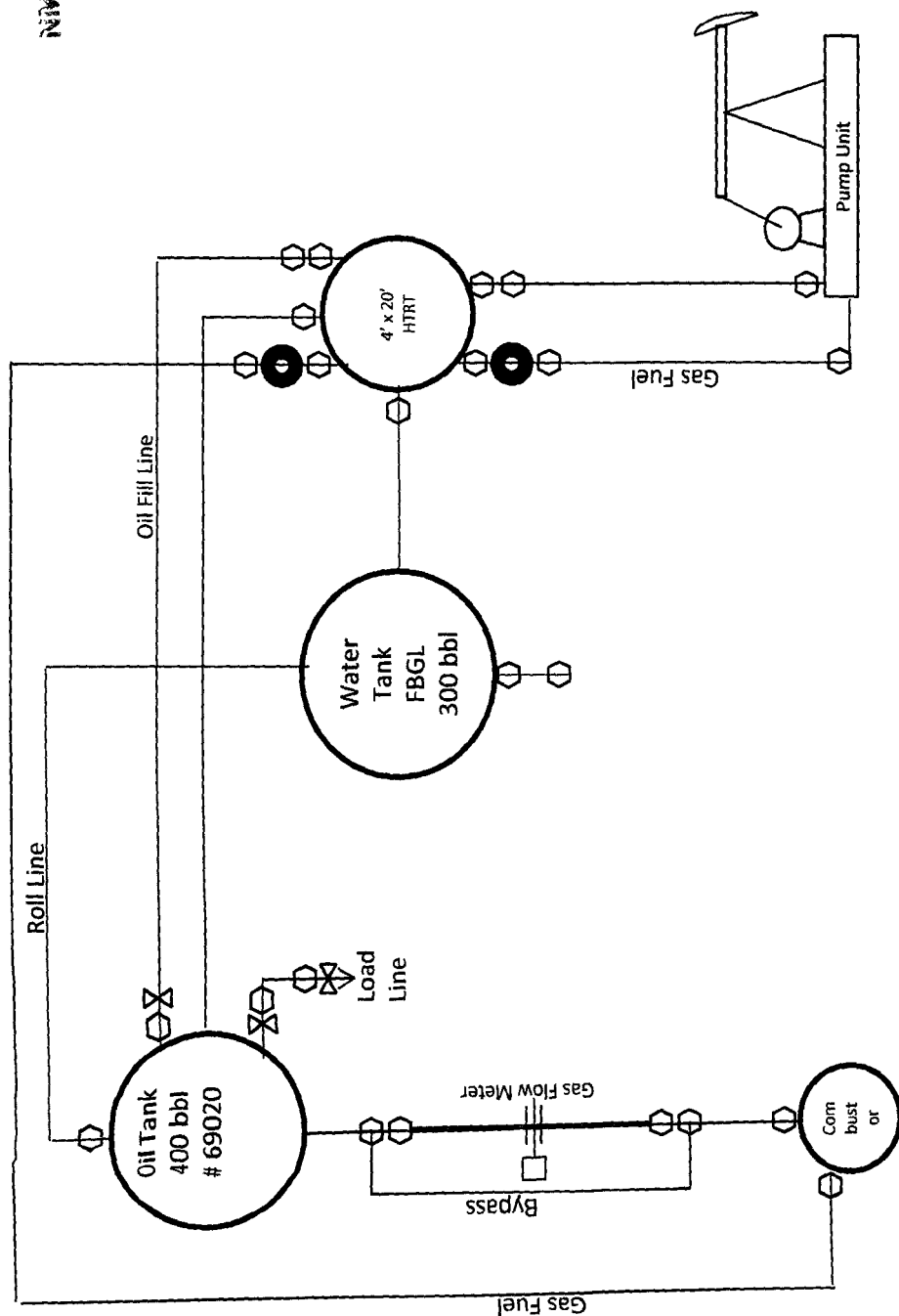
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ****

NM OIL CONSERVATION
ARTESIA DISTRICT

FEB 15 2018

RECEIVED



Gas Line is Red
Fluid Line is Black
Water Line is Blue
Oil Line is Green
Overflow line is ---
Fuel Gas is ●
Valve is ⬡
Seal is X

Production System - Open

Oil Sales description as: by tank gauge to tank truck.

Seal Requirements:

1. **Production Phase** (Oil Tank # 69020)

LSH 9 Fed 1 oil travels oil fill line. Valves at HTRT are open. All tank valves except 69020 are closed. Sealed until sale.

2. **Sales Phase** (Oil Tank #69020)

Tank #69020 is sealed. Valve to tank is closed and sealed. Well is turned off. Oil sold.

Matador Production Company
Loco Sand Hills 9 Federal #1
API 30-015-25498
Lease No. MNM-26385
Unit P SEC 4-T18S-R30E
Eddy County, New Mexico

Roll Line

Oil Tank
400 bbl
4-5

6' x 20'
HTRI

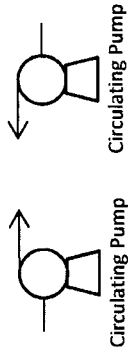
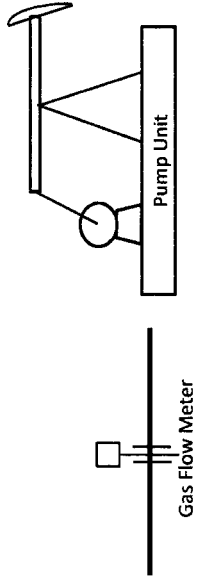
4' x 20'
TSEP

Water
Tank
FBGL
300 bbl

4
-
-
-1

WHM

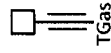
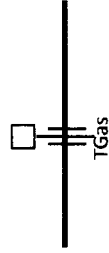
Y D U 3 3



#1

⊗
V #1

4 2 2
- -
- -
-1



Gas Line is Red
Fluid Line is Black
Water Line is Blue
Oil Line is Green
Load Line is Purple