

Re-scan  
10-2-17  
completion  
02

**NM OIL CONSERVATION**  
ARTESIA DISTRICT

SEP 20 2017

Form C-104  
Revised August 1, 2011

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 S. First St., Artesia, NM 88210  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals & Natural Resources

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Submit one copy to appropriate District Office

**RECEIVED**

☐ AMENDED REPORT

**I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT**

<sup>1</sup> Operator name and Address Chisholm Energy Operating, LLC 801 Cherry St., Suite 1200-Unit 20 Fort Worth, Texas 76102		<sup>2</sup> OGRID Number 372137
<sup>4</sup> API Number 30-015-43691		<sup>5</sup> Pool Name Welch, Bone Spring
<sup>3</sup> Property Code 316072	<sup>6</sup> Property Name Cottonwood 28.33 Fed 20S	<sup>7</sup> Pool Code 64010
		<sup>8</sup> Well Number III

**II. Surface Location**

U/L or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	28	26S	26E		150	N	1270	W	EDDY

**Bottom Hole Location**

U/L or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	33	26S	26E		282'	S	675'	W	EDDY

<sup>13</sup> Use Code F	<sup>14</sup> Producing Method Code: F	<sup>15</sup> Gas Connection Date 8/27/17	<sup>16</sup> C-129 Permit Number N/A	<sup>17</sup> C-129 Effective Date N/A	<sup>18</sup> C-129 Expiration Date N/A
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**III. Oil and Gas Transporters**

<sup>19</sup> Transporter OGRID	<sup>20</sup> Transporter Name and Address	<sup>21</sup> O/G/W
278421	Holly Transportation LLC	O
371960	Lucid Energy Delaware	G

**IV. Well Completion Data**

<sup>22</sup> Spud Date 5-16-17	<sup>23</sup> Ready Date 8-23-17	<sup>24</sup> TD 13881'	<sup>25</sup> PBD 13728'	<sup>26</sup> Perforations 7218'-13698'	<sup>27</sup> DIIC, MC N/A
<sup>28</sup> Hole Size	<sup>29</sup> Casing & Tubing Size	<sup>30</sup> Depth Set	<sup>31</sup> Sacks Cement		
17-1/2	13-3/8	411'	584		
12-1/4	9-5/8	1590'	428		
8-3/4	5-1/2	13858'	2622		

**V. Well Test Data**

<sup>32</sup> Date New Oil 8-27-17	<sup>33</sup> Gas Delivery Date 8/27/17	<sup>34</sup> Test Date 8/28/17	<sup>35</sup> Test Length 24	<sup>36</sup> Tbg. Pressure N/A	<sup>37</sup> Csg. Pressure 320
<sup>38</sup> Choke Size 44	<sup>39</sup> Oil 201	<sup>40</sup> Water 2549	<sup>41</sup> Gas 497	<sup>42</sup> Test Method F	

<sup>43</sup> I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Signature: <i>Bettie Watson</i>			OIL CONSERVATION DIVISION		
Printed name: Bettie Watson			Approved by: <i>Raymond M. Rodary</i> <i>Geologist</i>		
Title: Consultant			Approval Date: 9-20-2017		
E-mail Address: bwatson@chisholmenergy.com					
Date: 9/14/17	Phone: 972-979-0132				

Pending BLM approvals will  
subsequently be reviewed  
and scanned

SEP 20 2017

Your EC Transaction 389070, Serial Number 851-2899, was submitted to the Carlsbad, NM BLM Office.

Form 3160-4  
(August 2007)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other		6. If Indian, Allottee or Tribe Name	
b. Type of Completion <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr. Other		7. Unit or CA Agreement Name and No.	
2. Name of Operator CHISHOLM ENERGY OPERATING, LLC		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		9. API Well No. 30-015-43691	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface NW1/4 Sec 28 T26S R26E Mer At top prod interval reported below NW1/4 Sec 28 T26S R26E Mer At total depth SW1/4 Sec 33 T26S R26E Mer		10. Field and Pool, or Exploratory WELCH; BONE SPRING	
14. Date Spudded 05/16/2017		15. Date T.D. Reached 06/24/2017	
16. Date Completed 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? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (Submit analysis)			

23. Casing and Liner Record (Report all strings set in well)

Pipe 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

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. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status	
44	SI	320.0	→	201	497	2549	2472	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	
	SI		→						

Pending BLM approvals will subsequently be reviewed and scanned

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

ELECTRONIC SUBMISSION #389070 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

8C 9-25-17

SEP 20 2017

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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

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 \*\*

**Additional data for transaction #389070 that would not fit on the form**

**32. Additional remarks, continued**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*

FORM APPROVED  
OMB NO. 1004-0137  
Expires: January 31, 2018

5. Lease Serial No.  
NMNM113944

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.  
COTTONWOOD 28-33 FED 2BS 1H

9. API Well No.  
30-015-43691

10. Field and Pool or Exploratory Area  
WILDCAT; BONE SPRING

11. County or Parish, State  
EDDY COUNTY, NM

**SUBMIT IN TRIPLICATE - Other Instructions on page 2**

1. Type of Well  
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator  
CHISHOLM ENERGY OPERATING, LLC  
Contact: BETTIE WATSON  
Email: bettie@watsonreg.com

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

3b. Phone No. (include area code)  
Ph: 972-979-0132

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Sec 28 T26S R26E NWNW 150FNL 1270FWL

Your EC Transaction 389375, Serial Number 852-66649, was submitted to the Carlsbad, NM BLM Office.

**12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

**Submitting completion data:**

Beginning & Ending Perf dates and footage: 7/25/17 7218' to 8/9/17 13698'  
Amount & type of Material: H2O 4947551 Gal; Sand (proppant) 9968088 lbs; 15% HCL 30859 Gal.  
Gun Type: 3-1/8 Tag Wireless Gun  
# of Holes & # of stages: 56 holes & 31 stages = 1736 shots total  
Flow back date well testing: 8/22/17

**NM OIL CONSERVATION**

ARTESIA DISTRICT

SEP 22 2017

Accepted for record - NMOCD

RECEIVED

14. I hereby certify that the foregoing is true and correct. <b>Electronic Submission #389375 verified by the BLM Well Information System For CHISHOLM ENERGY OPERATING, LLC, sent to the Carlsbad</b>	
Name (Printed/Typed) BETTIE WATSON	Title AGENT
Signature (Electronic Submission)	Date 09/21/2017

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By _____	Title _____
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office _____
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person known States any false, fictitious or fraudulent statements or representations as to any matter within its jurisd	Initialed _____

(Instructions on page 2)

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**SUNDRY NOTICES AND REPORTS ON WELLS**  
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OMB NO. 1004-0137  
Expires: January 31, 2018

5. Lease Serial No.  
NMNM113944

6. If Indian, Allottee or Tribe Name

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8. Well Name and No.  
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9. API Well No.  
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10. Field and Pool or Exploratory Area  
WILDCAT; BONE SPRING

11. County or Parish, State  
EDDY COUNTY, NM

**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

CHISHOLM ENERGY OPERATING, LLC

Contact: BETTIE WATSON

Mail: bettie@watsonreg.com

3a. Address

801 CHERRY STREET, SUITE 1200-UNIT 20  
FORT WORTH, TX 76102

3b. Phone No. (include area code)

Ph: 972-979-0132

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 28 T26S R26E NWNW 150FNL 1270FWL

Your EC Transaction 389367, Serial Number 852-66643, was submitted to the Carlsbad, NM BLM Office.

**12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomple horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

Request approval for 60 day Tubing Exception to flow well down before running tubing.

**NM OIL CONSERVATION**  
ARTESIA DISTRICT

SEP 22 2017

RECEIVED

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #389367 verified by the BLM Well Information System  
For CHISHOLM ENERGY OPERATING, LLC, sent to the Carlsbad

Name (Printed/Typed) BETTIE WATSON

Title AGENT

Signature (Electronic Submission)

Date 09/21/2017

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

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(Instructions on page 2)

**\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITT**

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