

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

Form C-104
Revised August 1, 2011

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

Submit one copy to appropriate District Office

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address CHISHOLM ENERGY OPERATING, LLC 801 CHERRY STREET, SUITE 1200-UNIT 20 FORT WORTH, TX 76102		² OGRID Number 372137
		³ Reason for Filing Code/ Effective Date NW - 01/16/2018
⁴ API Number 30 - 015-43687	⁵ Pool Name PURPLE SAGE; WOLFCAMP	⁶ Pool Code 98220
⁷ Property Code 319934	⁸ Property Name COTTONWOOD 28-33 FED WCA	⁹ Well Number 3H

II. ¹⁰ Surface Location

UI or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
P	21	26S	26E		200	SOUTH	1030	EAST	EDDY

¹¹ Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
LOT 2	33	26S	26E		338	SOUTH	1600	EAST	EDDY
¹² Lse Code F	¹³ Producing Method Code GL	¹⁴ Gas Connection Date	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
311333	BRIDGER TRUCKING	O
371960	LUCID ENERGY DELAWARE, LLC 310 McKINNON ST., #800 DALLAS, TX 75201	G
	NM OIL CONSERVATION ARTESIA DISTRICT	
	MAR 20 2018	

IV. Well Completion Data

RECEIVED

²¹ Spud Date 09/19/17	²² Ready Date 01/04/2018	²³ TD 15795' / 18451'	²⁴ PBDT 15777	²⁵ Perforations 9057'-15747'	²⁶ DHC, MC
²⁷ Hole Size 17.5"	²⁸ Casing & Tubing Size 13.375"	²⁹ Depth Set 419'	³⁰ Sacks Cement 575		
12.5"	9.625"	5384'	1715		
8.75"	5.5"	15780'	2570		

V. Well Test Data

³¹ Date New Oil 01/16/2018	³² Gas Delivery Date 01/16/2018	³³ Test Date 01/31/2018	³⁴ Test Length 24	³⁵ Tbg. Pressure 860	³⁶ Csg. Pressure 1250
³⁷ Choke Size 48/64	³⁸ Oil 349	³⁹ Water 3217	⁴⁰ Gas 1592		⁴¹ Test Method FLOWING
⁴² 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>Jennifer Elrod</i> Printed name: JENNIFER ELROD Title: SR. REGULATORY TECH E-mail Address: JELROD@CHISHOLMENERGY.COM Date: 03/20/2018			OIL CONSERVATION DIVISION Approved by: <i>Raymond H. Rodamy</i> Title: <i>Geologist</i> Approval Date: <i>4-2-2018</i> <i>ry</i>		
Date: 03/20/2018			Phone: 817-953-3728		

Pending BLM approvals will
subsequently be reviewed
and scanned

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NM OIL CONSERVATION
ARTESIA DISTRICT

MAR 20 2018

WELL COMPLETION OR RE-COMPLETION REPORT AND LOG

Bold* fields are required.

Section 1 - Completed by Operator	
1. BLM Office* Carlsbad, NM	2. Well Type* GAS
3. Completion Type* New Well	
Operating Company Information	
4. Company Name* CHISHOLM ENERGY OPERATING, LLC	
5. Address* 801 CHERRY STREET, SUITE 1200 - UNIT 20 FORT WORTH TX 76102	6. Phone Number* 817-953-6063
Administrative Contact Information	
7. Contact Name* JENNIFER _ ELROD	8. Title* SR. REGULATORY TECH
9. Address* 801 CHERRY STREET, SUITE 1200 - UNIT 20 FORT WORTH TX 76102	10. Phone Number* 817-953-3728 11. Mobile Number 940-452-6214
12. E-mail* jelrod@chisholmenergy.com	13. Fax Number 817-601-7551
Technical Contact Information	
<input checked="" type="checkbox"/> Check here if Technical Contact is the same as Administrative Contact.	
14. Contact Name*	15. Title*
16. Address*	17. Phone Number*
	18. Mobile Number*
19. E-mail*	20. Fax Number
Surface Location	
21. Specify location using one of the following methods: a) State, County, Section, Township, Range, Meridian, N/S Footage, E/W Footage, with Qtr/Qtr, Lot, or Tract b) State, County, Latitude, Longitude, Metes & Bounds description	
State* NM	County or Parish* EDDY

Pending BLM approvals will
subsequently be reviewed
and scanned
3C 4-2-18

Section 21	Township 26S	Range 26E	Meridian	
Qtr/Qtr SESE	Lot # P	Tract # _____	N/S Footage 200 FSL	E/W Footage 1030 FEL
Latitude 32.021029	Longitude 104.292597	Metes and Bounds		

Producing Interval Location

22. Specify location or

☐ Check here if the producing hole location is the same as the surface location.

State* NM	County or Parish* EDDY			
Section 28	Township 26S	Range 26E	Meridian	
Qtr/Qtr NWSE	Lot # —	Tract # _____	N/S Footage 330 FNL	E/W Footage 1584 FWL
Latitude _____	Longitude _____	Metes and Bounds		

Bottom Location

23. Specify location or

☐ Check here if the bottom hole location is the same as the surface location.

State* NM	County or Parish* EDDY			
Section 33	Township 26S	Range 26E	Meridian	
Qtr/Qtr SWSE	Lot # L-2	Tract # _____	N/S Footage 330 FSL	E/W Footage 1584 FEL
Latitude _____	Longitude _____	Metes and Bounds		

Lease and Agreement

24. Lease Serial Number* NMNM113944	_____
26. If Unit or CA/Agreement, Name and/or Number _____	27. Field and Pool, or Exploratory Area* PURPLE SAGE;WOLFCAMP

Well

28. Well Name* COTTONWOOD 28-33 FED COM WCA		29. Well Number* 3H	30. API Number 30-015-43687
31. Date Spudded 09/19/2017	32. Date T.D. Reached 10/18/2017	33. Date Completed 01/04/2018 <input type="checkbox"/> Dry & Abandoned <input checked="" type="checkbox"/> Ready to Produce	34. Elevations (DF, RKB, RT, GL) 3384 Ground Level
35. Total Depth: MD 13710 TVD 6685		36. Plug Back Total Depth: MD 13560 TVD 6686	37. Depth Bridge Plug Set: MD _____ TVD _____
38. Type Electric & Other Mechanical Logs Run		39.	

(Submit copy of each)
CBL; GAMMA RAY

Was Well Cored? ☒ No ☐ Yes (Submit Analysis)

Was DST run? ☒ No ☐ Yes (Submit Report)

Directional Survey? ☐ No ☒ Yes (Submit Copy)

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

Hole Size	Casing Size	Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks.	Slurry Vol. (BBL)	Cement Top	Amount Pulled
17.5	13.375	J-55	54.5	0	419	—	575	138	0	0
12.25	9.675	J-55	40	0	5384	—	1715	—	0	0
8.75	5.5	P-110	20	0	15780	—	2570	768	0	0
—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—

41. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)
2.875	8200	8200
—	—	—
—	—	—

42. Producing Intervals

Formation	Top (MD)	Bottom (MD)
A) PURPLE SAGE; WOLFCAMP	9057	15747
B) —	—	—
C) —	—	—
D) —	—	—

43. Perforation Record

Top	Bottom	Size	No. Holes	Perf. Status
9057	15747	45	1792	OPEN
—	—	—	—	—
—	—	—	—	—
—	—	—	—	—

44. Acid, Fracture, Treatment, Cement Squeeze, etc.

Top	Bottom	Amount and Type of Material
9057	15747	HCI 762 BBLS HCI & 135,979 BBL SW W/6,433,139# 100 MESH + 3,635,316# 20/40 SAND
—	—	—
—	—	—

45. Production Method and Well Status for Production Intervals

Production Method	Well Status
Gas Lift	Producing Gas Well

46. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil (BBL)	Gas (MCF)	Water (BBL)	Oil Gravity Corr. API	Gas Gravity
01/16/2018	01/31/2018	24	>>>>>	349	1592	3217	49	0.804
Choke Size	Tubing Pressure Flowing / Shut In	Casing Pressure	24 Hour Rate	Oil (BBL)	Gas (MCF)	Water (BBL)	Gas/Oil Ratio	
48/64	860	1250	>>>>>	349	1592	3217	4561	

47. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil (BBL)	Gas (MCF)	Water (BBL)	Oil Gravity Corr. API	Gas Gravity
_____	_____	_____	>>>>>	_____	_____	_____	_____	_____
Choke Size	Tubing Pressure Flowing / Shut In	Casing Pressure	24 Hour Rate	Oil (BBL)	Gas (MCF)	Water (BBL)	Gas/Oil Ratio	
_____	_____	_____	>>>>>	_____	_____	_____	_____	_____

48. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil (BBL)	Gas (MCF)	Water (BBL)	Oil Gravity Corr. API	Gas Gravity
_____	_____	_____	>>>>>	_____	_____	_____	_____	_____
Choke Size	Tubing Pressure Flowing / Shut In	Casing Pressure	24 Hour Rate	Oil (BBL)	Gas (MCF)	Water (BBL)	Gas/Oil Ratio	
_____	_____	_____	>>>>>	_____	_____	_____	_____	_____

49. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil (BBL)	Gas (MCF)	Water (BBL)	Oil Gravity Corr. API	Gas Gravity
_____	_____	_____	>>>>>	_____	_____	_____	_____	_____
Choke Size	Tubing Pressure Flowing / Shut In	Casing Pressure	24 Hour Rate	Oil (BBL)	Gas (MCF)	Water (BBL)	Gas/Oil Ratio	
_____	_____	_____	>>>>>	_____	_____	_____	_____	_____

50. Disposition of Gas (Sold, used for fuel, vented, etc.)

Sold

51. 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.

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top (MD)
CASTLE	48	_____	ANHY & SALT	_____	_____
DELAWARE	1563	_____	SS, SLTST, & SH	_____	_____
BONE SPRING	5093	_____	LS & SH	_____	_____
1ST BONE SPRING SS	5948	_____	SS, SLTST, & SH	_____	_____
2ND BONE SPRING SS	6438	_____	SS, SLTST, & SH	_____	_____
3RD BONE SPRING LS	6878	_____	LS, SS, & SH	_____	_____
3RD BONE SPRING SS	7673	_____	SS, SLTST, & SH	_____	_____
_____	_____	_____	_____	_____	_____

52. Formation (Log) Markers**53. 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.
 2/17/18 GAS LIFT.

PILOT HOLE:

Plug set 7,900'-8,749' - 335 SXS cmt (71 bbls.)

54. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☐ Electrical/Mechanical Logs (1 full set req'd.) ☐ Geologic Report ☐ DST Report ☒ Directional Survey
☐ Sundry Notice for plugging and cement verification ☐ Core Analysis ☒ Other:

I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

55. Name

JENNIFER _ ELROD

56. Title

SR. REGULATORY TECH

57. Date* (MM/DD/YYYY)02/28/2018 **58. Signature****You have the ability to sign this form only if a SmartCard or digital certificate has been issued to you.*

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.

Section 2 - System Receipt Confirmation

59. Transaction

60. Date Sent

61. Processing Office

Section 3 - Internal Review #1 Status

62. Review Category

63. Date Completed

64. Reviewer Name

65. Comments

Section 4 - Internal Review #2 Status

66. Review Category	67. Date Completed	68. Reviewer Name
69. Comments		

Section 5 - Internal Review #3 Status		
70. Review Category	71. Date Completed	72. Reviewer Name
73. Comments		

Section 6 - Internal Review #4 Status		
74. Review Category	75. Date Completed	76. Reviewer Name
77. Comments		

Section 7 - Final Approval Status			
78. Disposition	79. Date Completed	80. Reviewer Name	81. Reviewer Title
82. Comments			

INSTRUCTIONS

GENERAL: This form is designed for submitting a complete and correct well completion/recompletion report and log on all types of wellson Federal and Indian leases to a Federal agency, pursuant to applicable Federal laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal office.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, and all types electric), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal laws and regulations. All attachments should be listed on this form, see item 33.

ITEMS 24, 22, and 23: Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local Federal office for specific instructions.

ITEM 34: Indicate which reported elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

ITEM 40: Show how reported top(s) of cement were determined, i.e. circulated (CIR), or calculated (CAL), or cement bond log (CBL), or temperature survey (TS).

PRIVACY ACT

The Privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.

PRINCIPAL PURPOSE: The information is to be used to evaluate the actual operations performed in the drilling, completing and testing of a well on a Federal or Indian lease.

ROUTINE USES: (1) Evaluate the equipment and procedures used during the drilling and completing/recompleting of a well. (2) The review of geologic zones and formation encountered during drilling. (3) Analyze future applications to drill in light of data obtained and methods used. (4)(5) Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions.

EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this report and disclosure of the information is mandatory once a well drilled on a Federal or Indian lease is completed/recompleted.

The Paperwork Reduction Act of 1995 requires us to inform you that:

This information is being collected to allow evaluation of the technical, safety, and environmental factors involved with drilling and completing/recompleting wells on Federal and Indian oil and gas leases.

This information will be used to analyze operations and to compare equipment and procedures actually used with those proposed and approved.

Response to this request is mandatory only if the operator elects to initiate drilling completing/recompleting and operations on an oil and gas lease.

BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

BURDEN HOURS STATEMENT

Public reporting burden for this form is estimated to average 60 minutes per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Collection Clearance Officer, (WO-630), MS 401 LS, 1849 C Street, N.W., Washington, D.C. 20240.

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, 20185. Lease Serial No.
NMNM113944

6. If Indian, Allottee or Tribe Name

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

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.

COTTONWOOD 28-33 FED WCA 3H

2. Name of Operator

Contact: JENNIFER ELROD
CHISHOLM ENERGY HOLDINGS LLC-Mail: jelrod@chisholmenergy.com

9. API Well No.

30-015-43687

3a. Address

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

3b. Phone No. (include area code)

Ph: 817-953-3728

10. Field and Pool or Exploratory Area

PURPLE SAGE; WOLFCAMP

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

Sec 21 T26S R26E Mer NMP SESE 200FSL 1030FEL
32.021029 N Lat, 104.292597 W Lon

11. County or Parish, State

EDDY COUNTY, NM

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	Drilling Operations
	<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.

BCW

COMPLETION

11/28/17 Run CBL Est TOC @ Surface 0'

11/29/17 Set Plug @ 15,762'; Test csg to 9,950 psi/30 min, good test; Perf TOE 15,747'-15,567'.

12/19/17 Frac Perfs 15,747'-15,567'

12/20-12/26/17 Completion Work: Perforate from 15,537'-9,057', Frac all 32 stages w/762 bbls HCl + 135979 bbls sw w/3635316# 20/40 Sand + 6433139# 100 Mesh Sand

1/02 - 03/18 Drillout

1/04/18 Turn well to Flowback.

2/03/18 Run pkr set @ 8,200'

2/04/18 Run tbg set @ 8,200'; Run 12 gas lift valves from 1,784'-8,170'.

NM OIL CONSERVATION
ARTESIA DISTRICT

MAR 20 2018

RECEIVED

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

Electronic Submission #406607 verified by the BLM Well Information System
For CHISHOLM ENERGY HOLDINGS LLC, sent to the Carlsbad

Name (Printed/Typed) JENNIFER ELROD

Title SENIOR REGULATORY TECH

Signature (Electronic Submission)

Date 03/05/2018

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By

Title

Pending BLM approvals will
subsequently be reviewed
and scanned

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.

Off

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person to
States any false, fictitious or fraudulent statements or representations as to any matter within it

of the United

(Instructions on page 2)

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

Additional data for EC transaction #406607 that would not fit on the form

32. Additional remarks, continued

1st Gas - 01/16/18 Gas Connected - ????????
1st Oil - 01/16/18

2/17/18 Gas Lift Began

PILOT HOLE SUMMARY

9/27 - 29/17 Drill Pilot hole to 8,749' MD

10/01/17 notified BLM of CMNT Plug for Pilot hole

10/02/17 CMT Plug from 8,749'-7,900' MD w/335 SXS (71 bbls) Class H Cmnt @ 1.18 yield; WOC 4 Hrs;

Tagged Cmnt @ 7,859'

10/03/17 TIH w/Whipstock T/7,757'.