

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

Form C-101
August 1, 2011
Permit 263952

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

1. Operator Name and Address CHISHOLM ENERGY OPERATING, LLC 801 Cherry Street Fort Worth, TX 76102		2. OGRID Number 372137
4. Property Code 321291		3. API Number 30-025-45625
5. Property Name GRAMA RIDGE EAST 34 STATE COM 3BS		6. Well No. 005H

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
O	34	21S	34E	O	143	S	1369	E	Lea

8. Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
A	34	21S	34E	A	100	N	460	E	Lea

9. Pool Information

GRAMA RIDGE;BONE SPRING, NE	28435
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Additional Well Information

11. Work Type New Well	12. Well Type OIL	13. Cable/Rotary	14. Lease Type State	15. Ground Level Elevation 3616
16. Multiple N	17. Proposed Depth 16085	18. Formation 3rd Bone Spring Sand	19. Contractor	20. Spud Date 3/11/2019
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

☒ We will be using a closed-loop system in lieu of lined pits

21. Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5	13.375	54.5	1755	1525	0
Int1	12.25	9.625	40	5660	1290	0
Prod	8.75	5.5	20	16085	2225	0

Casing/Cement Program: Additional Comments

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22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Annular	2500	2500	CAMERON
Double Ram	5000	5000	CAMERON
Pipe	5000	5000	CAMERON

23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify I have complied with 19.15.14.9 (A) NMAC <input checked="" type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input checked="" type="checkbox"/> if applicable. Signature:	OIL CONSERVATION DIVISION
Printed Name: Electronically filed by Jennifer Elrod	Approved By: Paul F Kautz
Title: Sr. Regulatory Tech	Title: Geologist
Email Address: jelrod@chisholmenergy.com	Approved Date: 2/20/2019 Expiration Date: 2/20/2021
Date: 2/19/2019 Phone: 817-953-3728	Conditions of Approval Attached

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DISTRICT IV
1226 S. St. Francis Dr., Santa Fe, NM 87505
Phone (505) 476-3450 Fax: (505) 476-3452

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

OIL CONSERVATION DIVISION
1226 South St. Francis Dr.
Santa Fe, New Mexico 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number	Pool Code	Pool Name
	28435	GRAMA RIDGE; BONE SPRING, NE
Property Code	Property Name	Well Number
	GRAMA RIDGE EAST 34 STATE COM 3BS	5H
OGRID No.	Operator Name	Elevation
372137	CHISHOLM ENERGY OPERATING, LLC	3616'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	FEET from the	North/South line	FEET from the	East/West line	County
O	34	21 S	34 E		143	SOUTH	1369	EAST	LEA

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	FEET from the	North/South line	FEET from the	East/West line	County
A	34	21 S	34 E		100	NORTH	460	EAST	LEA

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
160			

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

<p>N: 525871.8 E: 825805.8 (NAD-83)</p> <p>LAST TAKE POINT PROPOSED BOTTOM HOLE LOCATION Lot - N 32.442408' Long - W 103.450681' NMSPCE- N 525804.5 E 813631.8 (NAD-83)</p>	<p>N: 525871.8 E: 813410.7 (NAD-83)</p> <p>100' 460'</p> <p>N: 525804.5 E: 813631.8 (NAD-83)</p>	<p>OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or undivided mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p><i>Jennifer Elrod</i> 2/19/19 Signature Date</p> <p>JENNIFER ELROD Printed Name jelrod@chisholmenergy.com Email Address</p>
<p>N: 520721.4 E: 808592.8 (NAD-83)</p> <p>FIRST TAKE POINT LANDING POINT 100 FSL & 460 FEL Lot - N 32.428436' Long - W 103.450675' NMSPCE- N 520721.4 E 813675.5 (NAD-83)</p>	<p>N: 520721.4 E: 814113.7 (NAD-83)</p>	<p>SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</p> <p>FEBRUARY 19, 2019 Date Surveyed</p> <p><i>[Signature]</i> Signature & Title of Professional Surveyor</p> <p>Certified by Gary L. Jones 7977 Board Certified</p>
<p>N: 520754.6 E: 812766.4 (NAD-83)</p> <p>KICK OFF POINT SURFACE LOCATION Lot - N 32.428549' Long - W 103.453621' NMSPCE- N 520754.6 E 812766.4 (NAD-83)</p>	<p>N: 520754.6 E: 814113.7 (NAD-83)</p> <p>143' 1369'</p> <p>N: 520754.6 E: 814113.7 (NAD-83)</p>	<p>SCALE: 1" = 2000' WO Num: 34348</p>

Intent ☐ As Drilled ☐

API #

Operator Name:
CHISHOLM ENERGY OPERATING, LLC

Property Name:
GRAMA RIDGE EAST 34 STATE COM 3BS

Well Number
58H

Kick Off Point (KOP)

UL O	Section 34	Township 21S	Range 34E	Lot	Feet 143	From N/S SOUTH	Feet 1369	From E/W EAST	County LEA
Latitude 32.428549					Longitude -103.453621			NAD 83	

First Take Point (FTP)

UL P	Section 34	Township 21S	Range 34E	Lot	Feet 100	From N/S SOUTH	Feet 460	From E/W EAST	County LEA
Latitude 32.428436					Longitude -103.450675			NAD 83	

Last Take Point (LTP)

UL A	Section 34	Township 21S	Range 34E	Lot	Feet 100	From N/S NORTH	Feet 460	From E/W EAST	County LEA
Latitude 32.442408					Longitude -103.450681			NAD 83	

Is this well the defining well for the Horizontal Spacing Unit? ☒ yes

Is this well an infill well? ☐ no

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API #

Operator Name:

Property Name:

Well Number

KZ 06/29/2018

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Form APD Comments

Permit 263952

PERMIT COMMENTS

Operator Name and Address: CHISHOLM ENERGY OPERATING, LLC [372137] 801 Cherry Street Fort Worth, TX 76102		API Number: 30-025-45625
		Well: GRAMA RIDGE EAST 34 STATE COM 3BS #005H

Created By	Comment	Comment Date
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Form APD Conditions

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Permit 263952

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: CHISHOLM ENERGY OPERATING, LLC [372137] 801 Cherry Street Fort Worth, TX 76102	API Number: 30-025-45625
	Well: GRAMA RIDGE EAST 34 STATE COM 3BS #005H

OCD Reviewer	Condition
pkautz	Will require a directional survey with the C-104
pkautz	1) SURFACE & INTERMEDIATE CASING - Cement must circulate to surface -- 2) PRODUCTION CASING - Cement must tie back into intermediate casing --
pkautz	If cement does not circulate to surface, must run temperature survey or other log to determine top of cement
pkautz	Surface casing must be set 25' below top of Rustler Anhydrite in order to seal off protectable water
pkautz	1)- The Operator is to notify NMOCD by sundry (Form C-103) within ten (10) days of the well being spud 2)- Drilling Sundries Form C-103 (Casing and Cement test are to be submitted within 10 days 3)- Completion Reports & Logs are to be submitted within 45 days 4)- Deviation / Directional Drill Survey are to be filed with or prior to C-104
pkautz	It is the operator's responsibility to monitor cancellation dates of approved APDs. APD's are good for 2 years and may be extended for one year. Only one 1 year extension will be granted if submitted by C-103 before expiration date. After expiration date or after a 1 year extension must submit new APD.
pkautz	Stage Tool 1) Must notify OCD Hobbs Office prior to running Stage Tool at 5753703186 2) If using Stage Tool on Surface casing, Stage Tool must be set greater than 350' from surface and a minimum of 200 feet above surface shoe. 3) When using a Stage Tool on Intermediate or Production Casing Stage must be a minimum of 50 feet below previous casing shoe.