

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 263950

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 30-025-45624
5. Property Name GRAMA RIDGE EAST 34 STATE COM 3BS		6. Well No. 004H

7. Surface Location

UL - Lot O	Section 34	Township 21S	Range 34E	Lot Idn O	Feet From 143	N/S Line S	Feet From 1399	E/W Line E	County Lea
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8. Proposed Bottom Hole Location

UL - Lot B	Section 34	Township 21S	Range 34E	Lot Idn B	Feet From 100	N/S Line N	Feet From 1980	E/W Line E	County Lea
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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	1390	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 III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone (505) 334-5175 Fax: (505) 334-5170

DISTRICT IV
1226 S. St. Francis Dr., Santa Fe, NM 87505
Phone (505) 475-3450 Fax: (505) 475-3453

State of New Mexico
Energy, Minerals and Natural Resources Department

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

Form C-102
Revised August 1, 2011

Submit one copy to appropriate
District Office

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	4H
GRID 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	1399	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
B	34	21 S	34 E		100	NORTH	1980	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: 52557.0 E: 80629.9 (NAD 83)</p>	<p>LAST TAKE POINT PROPOSED BOTTOM HOLE LOCATION Lot - N 32.442403' Long - W 103.455608' NWSPCE- N 525789.9 E 812111.8 (NAD-83)</p>	<p>N: 52583.7 E: 811439.7 (NAD 83)</p>	<p>100'</p>	<p>1980'</p>	<p>N: 52592.1 E: 81405.8 (NAD 83)</p>
<p>N: 523210.0 E: 805932.6 (NAD 83)</p>	<p>FIRST TAKE POINT LANDING POINT 100 FSL & 1980 FEL Lot - N 32.428425' Long - W 103.455603' NWSPCE- N 520704.7 E 812155.5 (NAD-83)</p>	<p>N: 523255.7 E: 814113.7 (NAD 83)</p>			<p>N: 523255.7 E: 814113.7 (NAD 83)</p>
<p>N: 520562.2 E: 806555.3 (NAD 83)</p>	<p>KICK OFF POINT SURFACE LOCATION Lot - N 32.428549' Long - W 103.453718' NWSPCE- N 520754.4 E 812736.4 (NAD-83)</p>	<p>N: 520597.5 E: 811436.6 (NAD 83)</p>	<p>KOP</p>	<p>399'</p>	<p>N: 520626.5 E: 811436.6 (NAD 83)</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.

Jennifer Elrod 02/19/2019
Signature Date

JENNIFER ELROD
Printed Name
JELROD@CHISHOLMENERGY.COM
Email Address

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.

FEB 19 2019
Date Surveyed
Signature of Professional Surveyor
7977
Certification Number 7977
DANIEL BENTLEY

0' 1000' 2000' 3000' 4000'
SCALE: 1" = 2000'
WD Num.: 34348

Intent ☒ As Drilled ☐

API #

Operator Name:
CHISHOLM ENERGY OPERATING, LLC

Property Name:
GRAMA RIDGE EAST 34 STATE COM 3BS

Well Number
4H

Kick Off Point (KOP)

UL O	Section 34	Township 21S	Range 34E	Lot	Feet 143	From N/S SOUTH	Feet 1399	From E/W EAST	County LEA
Latitude 32.428549					Longitude -103.453718				NAD 83

First Take Point (FTP)

UL O	Section 34	Township 21S	Range 34E	Lot	Feet 100	From N/S SOUTH	Feet 1980	From E/W EAST	County LEA
Latitude 32.428425					Longitude -103.455603				NAD 83

Last Take Point (LTP)

UL B	Section 34	Township 21S	Range 34E	Lot	Feet 100	From N/S NORTH	Feet 1980	From E/W EAST	County LEA
Latitude 32.442403					Longitude -103.455608				NAD 83

Is this well the defining well for the Horizontal Spacing Unit? ☐ NO

Is this well an infill well? ☐ YES

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

API #

30-025-43823

Operator Name:
CHISHOLM ENERGY OPERATING,
LLC

Property Name:
GRAMA RIDGE EAST 34 STATE
COM 2BS

Well Number
8H

KZ 06/29/2018

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Form APD Comments

Permit 263950

PERMIT COMMENTS

Operator Name and Address: CHISHOLM ENERGY OPERATING, LLC [372137] 801 Cherry Street Fort Worth, TX 76102		API Number: 30-025-45624
		Well: GRAMA RIDGE EAST 34 STATE COM 3BS #004H

Created By	Comment	Comment Date
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Form APD Conditions

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

Permit 263950

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: CHISHOLM ENERGY OPERATING, LLC [372137] 801 Cherry Street Fort Worth, TX 76102	API Number: 30-025-45624
	Well: GRAMA RIDGE EAST 34 STATE COM 3BS #004H

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.