

OKLAHOMA CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
P.O. BOX 52000  
OKLAHOMA CITY, OK 73152-2000  
(Rule 165:10-3-1)

API NUMBER: 049 01016 E

Approval Date: 09/23/2019

Expiration Date: 03/23/2021

Directional Hole Oil & Gas

PERMIT TO RECOMPLETE

WELL LOCATION: Sec: 18 Twp: 1N Rge: 2W

County: GARVIN

SPOT LOCATION: S2 NE NE SE

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 2200 2310

Lease Name: HOWARD 'D'

Well No: 2

Well will be 330 feet from nearest unit or lease boundary.

Operator Name: CIMAREX ENERGY CO OF COLORADO

Telephone: 9185851100

OTC/OCC Number: 3653 0

CIMAREX ENERGY CO OF COLORADO  
202 S CHEYENNE AVE STE 1000  
TULSA, OK 74103-3001

MICHAEL T NIBLETT  
320 TEAL DRIVE  
LITCHFIELD MI 49252

Formation(s) (Permit Valid for Listed Formations Only):

Name	Depth	Name	Depth
1 HUNTON	9587	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 400686

Location Exception Orders: 400881

Increased Density Orders:

702610

Pending CD Numbers:

Special Orders:

Total Depth: 12285

Ground Elevation: 838

Surface Casing: 1245 IP

Depth to base of Treatable Water-Bearing FM: 850

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: No

Approved Method for disposal of Drilling Fluids:

DIRECTIONAL HOLE 1

Sec 18 Twp 1N Rge 2W County GARVIN

Spot Location of End Point: NW SE SE NE

Feet From: SOUTH 1/4 Section Line: 472

Feet From: WEST 1/4 Section Line: 2098

Measured Total Depth: 12285

True Vertical Depth: 11291

End Point Location from Lease,

Unit, or Property Line: 472

Notes:

This permit does not address the right of entry or settlement of surface damages.  
The duration of this permit is 18 MONTHS, except as otherwise provided by Rule 165: 10-3-1.  
Rule 165: 10-3-4 (c) (7) (e) - The Operator shall give 24 Hours notice by telephone to the appropriate District Office of the Conservation Division as to when Surface Casing will be run.

Category	Description
CHANGE OF OPERATOR - 702610	9/13/2019 - G56 - X400881 CHANGE OF OPERATOR TO CIMAREX ENERGY CO. OF COLORADO
HYDRAULIC FRACTURING	<p>6/24/2019 - G71 - OCC 165:10-3-10 REQUIRES:</p> <p>1) PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS FOR HORIZONTAL WELLS, NOTICE GIVEN FIVE BUSINESS DAYS IN ADVANCE TO OFFSET OPERATORS WITH WELLS COMPLETED IN THE SAME COMMON SOURCE OF SUPPLY WITHIN 1/2 MILE;</p> <p>2) WITH NOTICE ALSO GIVEN 48 HOURS IN ADVANCE OF HYDRAULIC FRACTURING ALL WELLS TO BOTH THE OCC CENTRAL OFFICE AND LOCAL DISTRICT OFFICES, USING THE "FRAC NOTICE FORM" FOUND AT THE FOLLOWING LINK: <a href="http://OCCEWEB.COM/OG/OGFORMS.HTML">OCCEWEB.COM/OG/OGFORMS.HTML</a>; AND,</p> <p>3) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS TO BE REPORTED TO FRACFOCUS WITHIN 60 DAYS AFTER THE CONCLUSION THE HYDRAULIC FRACTURING OPERATIONS, USING THE FOLLOWING LINK: <a href="http://FRACFOCUS.ORG">FRACFOCUS.ORG</a></p>
LOCATION EXCEPTION - 400881	<p>9/13/2019 - G56 - (F.O.) NE4 SE4 18-1N-2W</p> <p>X400686 HNTN</p> <p>COMPL INT 146' FNL, NCT 462' FEL</p> <p>PARKER &amp; PARSLEY DEVELOPMENT L.P.</p> <p>4-10-1996</p>
SPACING - 400686	<p>9/13/2019 - G56 - (40) NE4 SE4 18-1N-2W</p> <p>EST HNTN</p>