

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

API NUMBER: 017 25050

Approval Date: 08/03/2017

Expiration Date: 08/03/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 10 Twp: 14N Rge: 10W

County: CANADIAN

SPOT LOCATION:

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 300 570

Lease Name: MARSHALL BIA

Well No: 1-10H

Well will be 300 feet from nearest unit or lease boundary.

Operator Name: CIMAREX ENERGY CO

Telephone: 9185851100

OTC/OCC Number: 21194 0

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

RICHARD MILLER  
18160 220TH NW  
GEARY OK 73040

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	9881	6	
2	WOODFORD	11600	7	
3			8	
4			9	
5			10	

Spacing Orders: 666315

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201703553

Special Orders:

Total Depth: 16120

Ground Elevation: 1413

**Surface Casing: 390**

Depth to base of Treatable Water-Bearing FM: 140

Under Federal Jurisdiction: Yes

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: No

**PIT 1 INFORMATION**

Approved Method for disposal of Drilling Fluids:

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: WATER BASED

Chlorides Max: 10000 Average: 3000

Is depth to top of ground water greater than 10ft below base of pit? Y

Within 1 mile of municipal water well? Y

Wellhead Protection Area? Y

Pit is located in a Hydrologically Sensitive Area.

**Category of Pit: C**

**Liner not required for Category: C**

Pit Location is ALLUVIAL

Pit Location Formation: ALLUVIUM

D. One time land application -- (REQUIRES PERMIT)

PERMIT NO: 17-32748

H. CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST

This permit does not address the right of entry or settlement of surface damages.

The duration of this permit is SIX 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.

# HORIZONTAL HOLE 1

Sec 10 Twp 14N Rge 10W County CANADIAN

Spot Location of End Point: N2 N2 NW NW

Feet From: NORTH 1/4 Section Line: 150

Feet From: WEST 1/4 Section Line: 660

Depth of Deviation: 11000

Radius of Turn: 532

Direction: 2

Total Length: 4285

Measured Total Depth: 16120

True Vertical Depth: 11602

End Point Location from Lease,  
Unit, or Property Line: 150

## Notes:

### Category

### Description

HYDRAULIC FRACTURING

8/1/2017 - G58 - OCC 165:10-3-10 REQUIRES:

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;

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:  
[HTTP://WWW.OCCWEB.COM/OG/OGFORMS.HTML](http://www.occeweb.com/og/ogforms.html); AND,

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  
[HTTP://FRACFOCUS.ORG/](http://fracfocus.org/)

INTERMEDIATE CASING

8/1/2017 - G58 - DUE TO THE KNOWN POTENTIAL RISK OF ENCOUNTERING AN OVER-PRESSURED ZONE IN THE MORROW SERIES IN THIS AREA, THE TECHNICAL MANAGER RECOMMENDS SETTING AN INTERMEDIATE STRING OF CASING IMMEDIATELY ABOVE THE MORROW SERIES

PENDING CD - 201703553

8/3/2017 - G60 - (I.O.) 10-14N-10W  
X666315 MSSP, WDFD  
COMPL. INT. NCT 150' FSL, NCT 150' FNL, NCT 330' FWL  
NO OP. NAMED  
REC. 6/19/17 (MCKEOWN)

PUBLIC WATER SUPPLY WELLS

8/1/2017 - G58 - GEARY - 1 WELL NW/4 10-14N-10W

SPACING - 666315

8/3/2017 - G60 - (640)(HOR) 10-14N-10W  
EST MSSP, WDFD  
COMPL. INT. (MSSP) NLT 660' FB  
COMPL. INT. (WDFD) NLT 165' FNL/FSL, NLT 330' FEL/FWL

This permit does not address the right of entry or settlement of surface damages.

The duration of this permit is SIX 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.

017 25050 MARSHALL BIA 1-10H

Cimarex Energy Co.  
202 S. Cheyenne Ave  
Suite 1000  
Tulsa, Oklahoma 74103-3001  
MAIN 918.585.1100  
FAX 918.585.1133

Permitex 2/3/2018  
Suretyex 8/12/18  
Operator # 21194



January 22, 2018

Oklahoma Corporation Commission  
Oil & Gas Division  
P O Box 52000  
Oklahoma City, OK 73152-2000

**RE: Permit Extension Request**  
**Well Name: Marshall BIA 1-10H**  
**API: 017-25050**  
**Location: 10-14N-10W**  
**County: Canadian**

Dear Ms. Virginia Hullinger,

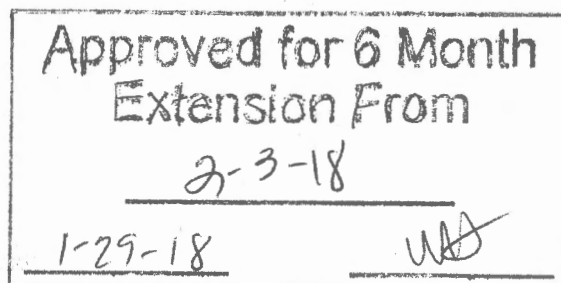
Cimarex Energy Co. respectfully requests a six month extension on the approved Marshall BIA 1-10H permit. The permit will expire on February 3<sup>rd</sup>, 2018. All permit information will remain as originally filed.

We understand the granted extension is for a one-time six-month extension and that once the extension period has lapsed, a new permit submission with fee is required.

Please contact me if further information is required.

Sincerely,

Rhonda Sheldon  
Regulatory Technician  
918-295-1709  
[rsheldon@cimarex.com](mailto:rsheldon@cimarex.com)



**RECEIVED**

JAN 24 2018

**OKLAHOMA CORPORATION  
COMMISSION**