

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

API NUMBER: 017 24735

Approval Date: 12/30/2014

Expiration Date: 06/30/2015

Horizontal Hole

Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 34 Twp: 14N Rge: 10W

County: CANADIAN

SPOT LOCATION: ☐ SW ☐ SE ☐ SW ☐ SE

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 300 1838

Lease Name: PHILLIPS

Well No: 8-34H

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

LYNDON JAMESON
26500 EDMOND ROAD NW
GEARY OK 73040

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

	Name	Depth	Name	Depth
1	WOODFORD	12600	6	
2			7	
3			8	
4			9	
5			10	

Spacing Orders: 542123

Location Exception Orders: 631978

Increased Density Orders: 631972

631974

Pending CD Numbers:

Special Orders:

Total Depth: 17278

Ground Elevation: 1439

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 140

Under Federal Jurisdiction: No

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: 100000 Average: 5000

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

Within 1 mile of municipal water well? N

Wellhead Protection Area? N

Pit is not located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is NON HSA

Pit Location Formation: DOG CREEK

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

PERMIT NO: 14-29305

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 34 Twp 14N Rge 10W County CANADIAN

Spot Location of End Point: NE NE NW NE

Feet From: NORTH 1/4 Section Line: 1

Feet From: EAST 1/4 Section Line: 1590

Depth of Deviation: 12114

Radius of Turn: 517

Direction: 1

Total Length: 4352

Measured Total Depth: 17278

True Vertical Depth: 12600

End Point Location from Lease,
Unit, or Property Line: 1

Notes:

Category

Description

DEEP SURFACE CASING

12/30/2014 - G71 - APPROVED CONTINGENT ON NOTIFYING OCC FIELD STAFF IMMEDIATELY OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING

EXCEPTION TO RULE - 631974

12/30/2014 - G91 - (I.O.) 34-14N-10W
X165:10-3-28(C)(2)(B) WDFD (PHILLIPS 8-34H) LESS THAN 600' FROM PROPOSED/EXISTING WELLS
CIMAREX ENERGY, CO.
10-17-2014

INCREASED DENSITY - 631972

12/30/2014 - G91 - 34-14N-10W
X542123 WDFD
11 WELLS
CIMAREX ENERGY, CO.
10-17-2014

LOCATION EXCEPTION - 631978

12/30/2014 - G91 - (I.O.) 34-14N-10W
X542123 WDFD, OTHERS
SHL 300 FSL, 1838 FEL
COMPL. INT. NCT 150 FSL, NCT 150 FNL, NCT 1490 FEL
CIMAREX ENERGY CO.
10-17-2014

SPACING - 542123

12/30/2014 - G91 - (640) 34-14N-10W
EXT VARIOUS OTHERS
EXT 437583 WDFD, OTHER
EST OTHERS

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017 24735 PHILLIPS 8-34H

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