

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

API NUMBER: 081 24166

Approval Date: 12/02/2013
Expiration Date: 06/02/2014

Directional Hole Oil & Gas
Horizontal Hole

PERMIT TO DRILL

WELL LOCATION: Sec: 33 Twp: 14N Rge: 5E County: LINCOLN
SPOT LOCATION: NW NW NW NW FEET FROM QUARTER: FROM NORTH FROM WEST
SECTION LINES: 329 216

Lease Name: CANYONS Well No: 1-33H Well will be 216 feet from nearest unit or lease boundary.

Operator Name: EQUAL ENERGY US INC Telephone: 4052426000; 4052426 OTC/OCC Number: 22671 0

EQUAL ENERGY US INC
4801 GAILLARDIA PKWY STE 325
OKLAHOMA CITY, OK 73142-1920

CLIFFORD & KELLY WILSON
P.O. BOX 331
DAVENPORT OK 74026

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

Name	Depth	Name	Depth
1 HUNTON	4640	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 618128

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201307330

Special Orders:

Total Depth: 9822

Ground Elevation: 873

Surface Casing: 600

Depth to base of Treatable Water-Bearing FM: 170

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: Yes

PIT 1 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: WATER BASED

Chlorides Max: 5000 Average: 3000

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 located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is AP/TE DEPOSIT

Pit Location Formation: TERRACE

Approved Method for disposal of Drilling Fluids:

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

PERMIT NO: 13-24477

H. CLOSED SYSTEM=STEEL PITS PER OPERATOR OPTION

DIRECTIONAL HOLE 1

Sec 33 Twp 14N Rge 5E County LINCOLN

Spot Location of End Point: SE SE NW NW

Feet From: NORTH 1/4 Section Line: 1170

Feet From: WEST 1/4 Section Line: 1192

Measured Total Depth: 5405

True Vertical Depth: 4765

End Point Location from Lease,

Unit, or Property Line: 1170

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 33 Twp 14N Rge 5E County LINCOLN

Spot Location of End Point: C E2 SE

Feet From: SOUTH 1/4 Section Line: 1320

Feet From: EAST 1/4 Section Line: 660

Depth of Deviation: 3470

Radius of Turn: 1315

Direction: 129

Total Length: 4416

Measured Total Depth: 9822

True Vertical Depth: 4692

End Point Location from Lease,
Unit, or Property Line: 660

HORIZONTAL HOLE 2

Sec 33 Twp 14N Rge 5E County LINCOLN

Spot Location of End Point: C W2 SE SW

Feet From: SOUTH 1/4 Section Line: 660

Feet From: WEST 1/4 Section Line: 1650

Depth of Deviation: 3470

Radius of Turn: 1131

Direction: 175

Total Length: 3413

Measured Total Depth: 8924

True Vertical Depth: 4692

End Point Location from Lease,
Unit, or Property Line: 660

Notes:

Category	Description
DEEP SURFACE CASING	11/25/2013 - 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
PENDING CD - 201307330	12/2/2013 - G30 - 33-14N-5E X201306433 HNTN SHL NCT 239 FNL, NCT 216 FWL POE NCT 660 FNL, NCT 660 FWL LAT #1 NCT 660 FSL, NCT 330 FEL LAT #2 NCT 330 FSL, NCT 660 FWL NO OP. NAMED REC 11/25/13 (LEAVITT)
SPACING - 618128	12/2/2013 - G30 - (640) 33-14N-5E EXT 610820 HNTN

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