

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

API NUMBER: 045 23414

Approval Date: 12/09/2013

Expiration Date: 06/09/2014

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 33 Twp: 18N Rge: 24W County: ELLIS

SPOT LOCATION: ☐ NW ☐ NW ☐ NE ☐ NE FEET FROM QUARTER: FROM NORTH FROM EAST

SECTION LINES: 100 1110

Lease Name: JACKS Well No: 4-28H Well will be 100 feet from nearest unit or lease boundary.

Operator Name: PRIMARY NATURAL RESOURCES III LLC

Telephone: 9184950598

OTC/OCC Number: 22514 0

PRIMARY NATURAL RESOURCES III LLC  
7134 S YALE AVE STE 430  
TULSA, OK 74136-6351

SHIRLEY ARMOUR  
3725 WREN LANE AVE.  
FORT WORTH TX 76133

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

Name	Depth	Name	Depth
1 CLEVELAND	9457	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 588987

Location Exception Orders: 618454

Increased Density Orders: 618571

Pending CD Numbers:

Special Orders:

Total Depth: 14298

Ground Elevation: 2374

**Surface Casing: 1500**

Depth to base of Treatable Water-Bearing FM: 630

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 located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is BED AQUIFER

Pit Location Formation: OGALLALA

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

PERMIT NO: 13-25010

H. SEE MEMO

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.

## PIT 2 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: OIL BASED

Chlorides Max: 300000 Average: 200000

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 BED AQUIFER

Pit Location Formation: OGALLALA

## HORIZONTAL HOLE 1

Sec 28 Twp 18N Rge 24W County ELLIS

Spot Location of End Point: C N2 NE NE

Feet From: NORTH 1/4 Section Line: 330

Feet From: EAST 1/4 Section Line: 660

Depth of Deviation: 8857

Radius of Turn: 600

Direction: 5

Total Length: 4498

Measured Total Depth: 14298

True Vertical Depth: 9457

End Point Location from Lease,  
Unit, or Property Line: 330

### Notes:

#### Category

#### Description

DEEP SURFACE CASING

12/3/2013 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY FOR ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON CONDUCTOR OR SURFACE CASING

INCREASED DENSITY - 618571

12/5/2013 - G75 - 28-18N-24W  
X588987 CLVD  
XOTHER  
1 WELL  
NO OP. NAMED  
11-27-2013

LOCATION EXCEPTION - 618454

12/5/2013 - G75 - (I.O.) 28-18N-24W  
X588987 CLVD, OTHERS  
XOTHER  
POE NCT 330 TO SL, NCT 660 TO EL  
BHL NCT 330 TO NL, NCT 660 TO EL  
NO OP. NAMED  
11-22-2013

MEMO

12/3/2013 - G71 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 2 - OBM TO VENDOR, OBM CUTTINGS PER DISTRICT

POINT OF ENTRY

12/9/2013 - G75 - NOT CLOSER THAN 330' TO SL, NOT CLOSER THAN 660' TO EL 28-18N-24W PER OPERATOR

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045 23414 JACKS 4-28H

Category

Description

SPACING - 588987

12/5/2013 - G75 - (640)(HOR) 28-18N-24W  
EXT 585689 CLVD, OTHERS  
EXT OTHER  
EST OTHER  
POE TO BHL NCT 660' FB  
(COEXIST SP. ORDER # 479562 CLVD)

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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.