

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

API NUMBER: 045 23411

Approval Date: 11/07/2013

Expiration Date: 05/07/2014

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 13 Twp: 18N Rge: 24W County: ELLIS
SPOT LOCATION: FEET FROM QUARTER: FROM SOUTH FROM EAST
SECTION LINES: 200 1980

Lease Name: SHREWDER Well No: 3-13H Well will be 200 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

SHREWDER TRUST C/O MATT FOOS
P.O. BOX 1783
DODGE CITY KS 67801

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

Name	Depth	Name	Depth
1 MISSOURIAN (LESS COTT GRVE)	9361	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 202657

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201306640
201306639

Special Orders:

Total Depth: 13875 Ground Elevation: 2463 Surface Casing: 1500 Depth to base of Treatable Water-Bearing FM: 820

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)
H. SEE MEMO

PERMIT NO: 13-24841

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 13 Twp 18N Rge 24W County ELLIS

Spot Location of End Point: C N2 NW NE

Feet From: NORTH 1/4 Section Line: 330

Feet From: EAST 1/4 Section Line: 1980

Depth of Deviation: 8761

Radius of Turn: 600

Direction: 360

Total Length: 4171

Measured Total Depth: 13875

True Vertical Depth: 9361

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

Notes:

Category

Description

DEEP SURFACE CASING

11/7/2013 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY FOR ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON CONDUCTOR OR SURFACE CASING

MEMO

11/7/2013 - G71 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 2 - OBM TO VENDOR, OBM CUTTINGS PER DISTRICT

PENDING CD - 201306639

11/7/2013 - G75 - 13-18N-24W
X202657 MOLCG
1 WELL
NO OP. NAMED
REC 11-5-2013 (MCKEOWN)

PENDING CD - 201306640

11/7/2013 - G75 - (I.O.) 13-18N-24W
XOTHERS
X202657 MOLCG
POE NCT 330 TO SL, NCT 1700 TO EL
BHL NCT 330 TO NL, NCT 1700 TO EL
NO OP. NAMED
REC 11-5-2013 (MCKEOWN)

SPACING - 202657

11/7/2013 - G75 - (640) 13-18N-24W
EST MOLCG, OTHERS
EXT OTHERS

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

045 23411 SHREWDER 3-13H

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.

SHREWDER 3-13H

SECTION 13

T-18-N, R-24-WIM

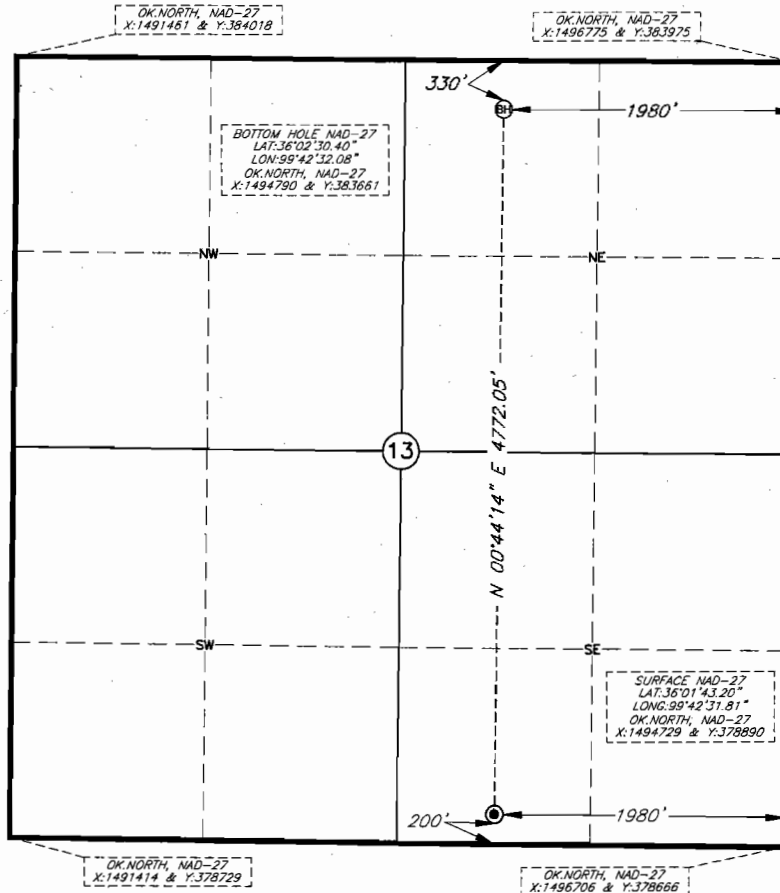
ELLIS COUNTY, OKLAHOMA

LOCATION PLAT

ARI
045-23411

Oklahoma Certificate of Authorization No.1292, Exp. June 30, 2015

SCALE: 1" = 1000'
0' 500' 1000'

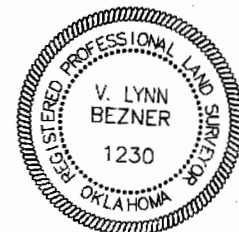


Footages: 200' FSL & 1980' FEL Elevation: 2463'GR.
Topography & Vegetation: PASTURE
Reference or Alternate Stakes Set: NONE SET
Best Accessibility to Location: FROM LEASE ROAD TO THE WEST
Distance & Direction: ±11 MILES SOUTHEAST OF ARNETT, OKLAHOMA

CERTIFICATE

I, V. Lynn Bezner, a Registered Land Surveyor and an authorized agent of Topographic Land Surveyors, do hereby certify that the above described well location was surveyed and staked on the ground as shown.

V. Lynn Bezner, R.L.S. No.1230



- LEGEND**
- = PREVIOUSLY PLATTED WELL
 - = EXISTING WELL
 - ⊗ = PROPOSED WELL
 - ⊙ = PENETRATION POINT
 - ⊕ = TERMINUS POINT
 - ⊖ = BOTTOM HOLE LOC.
 - ⊗ = SECTION CORNER

ORIGINAL DOCUMENT SIZE: 14" X 8.5"

PRIMARY NATURAL RESOURCES III, LLC	REVISION:	
	KEY	DATE
	KY	10-30-13
	KY	10-30-13
DATE: OCTOBER 23, 2013	JJG	10-31-13
FILE: LO_SHREWDER_3_13H		
DRAWN BY: J.GONZALES		

NOTE:
BEARINGS AND DISTANCES ARE NAD-27
GRID OK. NORTH ZONE AND WERE
DETERMINED BY GPS OBSERVATION

This plat DOES NOT represent a true Boundary Survey. The footages and ties shown are from lines of occupation, which may not be actual Property Lines.



TOPOGRAPHIC
LOYALTY INNOVATION LEGACY