

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

API NUMBER: 047 24929

Approval Date: 09/12/2014
Expiration Date: 03/12/2015

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 12 Twp: 23N Rge: 5W

County: GARFIELD

SPOT LOCATION: SW SE SW SW

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 165 850

Lease Name: SMITTY

Well No: 1-13H

Well will be 165 feet from nearest unit or lease boundary.

Operator Name: SK PLYMOUTH LLC

Telephone: 9185991800

OTC/OCC Number: 23485 0

SK PLYMOUTH LLC
110 W 7TH ST STE 2600
TULSA, OK 74119-1104

JUANITA R. CAMPBELL
1213 SOUTH ADAMS STREET
ENID OK 73701-

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	5700	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 629399

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201404842

Special Orders:

Total Depth: 10500

Ground Elevation: 1113

Surface Casing: 410

Depth to base of Treatable Water-Bearing FM: 360

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: Yes

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: 50000 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: GARBER

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

PERMIT NO: 14-27903

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 13 Twp 23N Rge 5W County GARFIELD

Spot Location of End Point: W2 SE SW SW

Feet From: SOUTH 1/4 Section Line: 330

Feet From: WEST 1/4 Section Line: 850

Depth of Deviation: 5364

Radius of Turn: 636

Direction: 180

Total Length: 4137

Measured Total Depth: 10500

True Vertical Depth: 6000

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

Notes:

Category	Description
PENDING CD - 201404842	9/12/2014 - G75 - (I.O.) X629399 MSSP SHL NCT 165 FSL, NCT 660 FWL 12-23N-5W COMPL. INT. NCT 330 FNL, NCT 330 FSL, NCT 660 FWL 13-23N-5W BHL NCT 330 FSL, NCT 660 FWL 13-23N-5W NO OP. NAMED REC 7-22-2014 (MCKEOWN)
SPACING - 629399	9/12/2014 - G75 - (640)(HOR) 13-23N-5W EXT 611498 MSSP, OTHER COMPL. INT. NCT 660' FB (SUPERSEDE SP. ORDER # 123010/123813 MSSLM S2; COEXIST SP. ORDER # 56832 MSSLM N2)

API 047-24929
SW SW

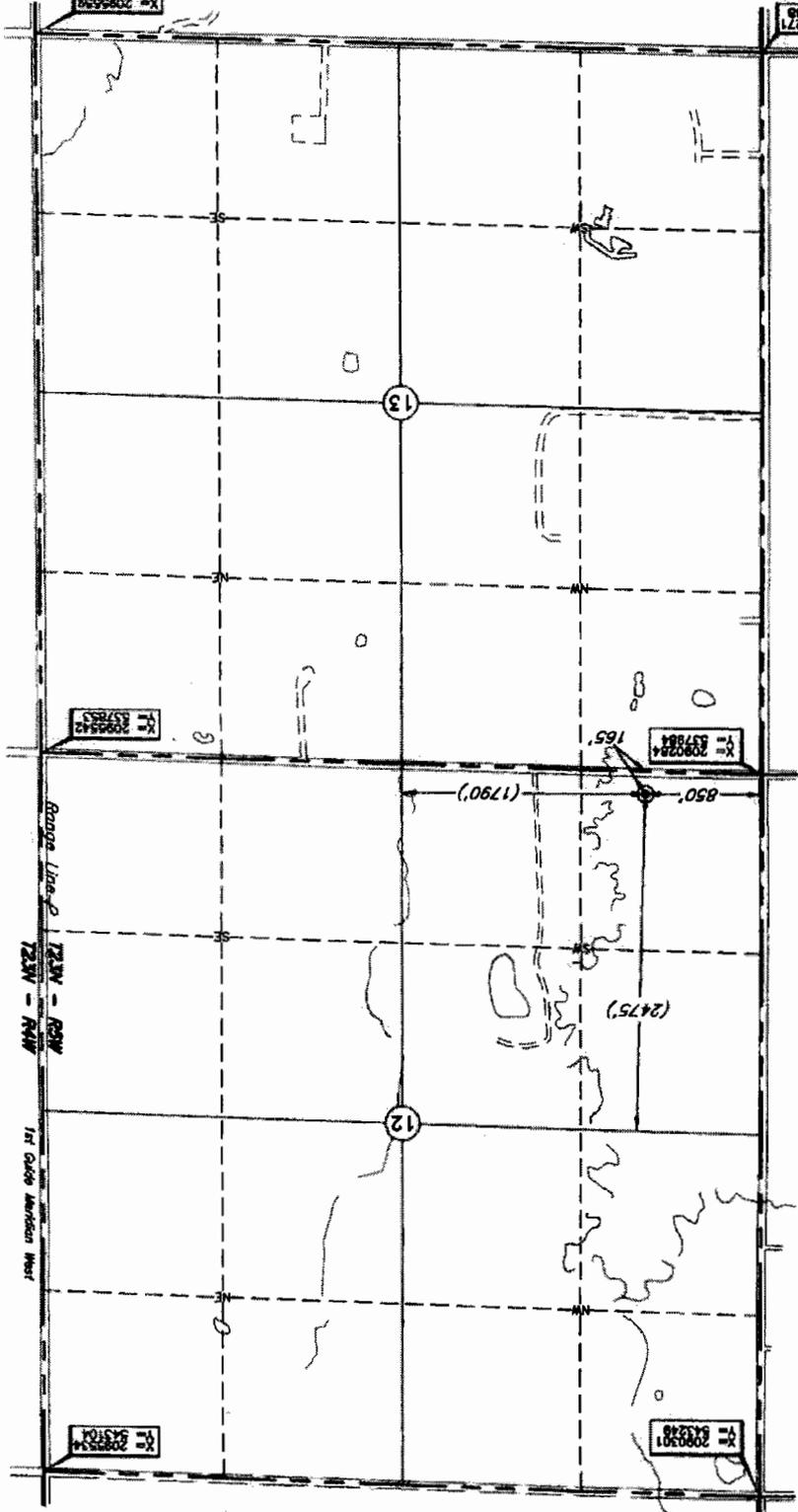
TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA
8709 NORTH CLASSEN BLVD., OKLA. CITY, OKLA. 73116 • LOCAL (405) 843-4647 • OUT OF STATE (800) 854-3219
Certificate of Authorization No. 1253
GARFIELD
165°E-SL-850°FWL Section 12 Township 23N Range 5W I.M. Oklahoma County



CERTIFICATE:
I, Thomas L. Howell, a Oklahoma Licensed Land Surveyor and an authorized agent of Topographic Land Surveyors of Oklahoma, do hereby certify to the information shown herein.
Thomas L. Howell
Oklahoma Lic. No. 1433
Date of Drawing: Apr. 28, 2014
Invoice # 221626A Date Staked: Apr. 24, 2014 AD

DATE: M4D-27
LAT: 36°28'40.5"N
LONG: 97°41'24.1"W
STATE PLANE COORDINATES: (US Feet)
ZONE: OK NORTH
X: 2091135
Y: 538128

This information was gathered with a GPS receiver (course correction) with 1 foot horizontal/vertical accuracy.



ELEVATION:
1113' Gr. at Stake

Well No.: 1-13H

Operator: PLYMOUTH EXPLORATION, INC.
Lease Name: SMITTY
Topography & Vegetation: Loc. fell in rolling pasture.

Reference Stakes or Alternate Location: None
Stakes Set: None

Good Drill Site? Yes
Best Accessibility to Location: From county road South of location.

Distance & Direction from Hwy Jet or Town: From Breckinridge, Oklahoma, go ±2.0 mi. East, then ±3.0 mi. North to the SW Corner of Section 12, T23N-R5W.

NOTE:
The information shown herein is for construction purposes ONLY.

Distances shown in parentheses are calculated based upon the Quarter Section being 360 feet, those shown in bold are measured on the ground. Distances and bearings were measured on the ground.

