

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

API NUMBER: 047 24980

Approval Date: 12/17/2014  
Expiration Date: 06/17/2015

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 06 Twp: 24N Rge: 4W County: GARFIELD  
SPOT LOCATION:  NW  NW  NW  NE FEET FROM QUARTER: FROM NORTH FROM EAST  
SECTION LINES: 165 2440

Lease Name: RETHA Well No: 2-31H 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

J. L. BOWEN  
P.O. BOX 39  
HILLSDALE OK 73743

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

Name	Depth	Name	Depth
1 MISSISSIPPI	5450	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 579402

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201408027  
201408026

Special Orders:

Total Depth: 10200

Ground Elevation: 1070

**Surface Casing: 310**

Depth to base of Treatable Water-Bearing FM: 260

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: 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

Approved Method for disposal of Drilling Fluids:

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

PERMIT NO: 14-29194

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 31 Twp 25N Rge 4W County GRANT

Spot Location of End Point: NW NE NW NE

Feet From: NORTH 1/4 Section Line: 150

Feet From: EAST 1/4 Section Line: 1800

Depth of Deviation: 5089

Radius of Turn: 636

Direction: 5

Total Length: 4112

Measured Total Depth: 10200

True Vertical Depth: 5725

End Point Location from Lease,  
Unit, or Property Line: 150

Additional Surface Owner	Address	City, State, Zip
J. C. BOWEN	BOX 39	HILLSDALE, OK 73743
LYNDA LIZAR	10815 W. KEOWEE ROAD	ENID, OK 73703

Notes:

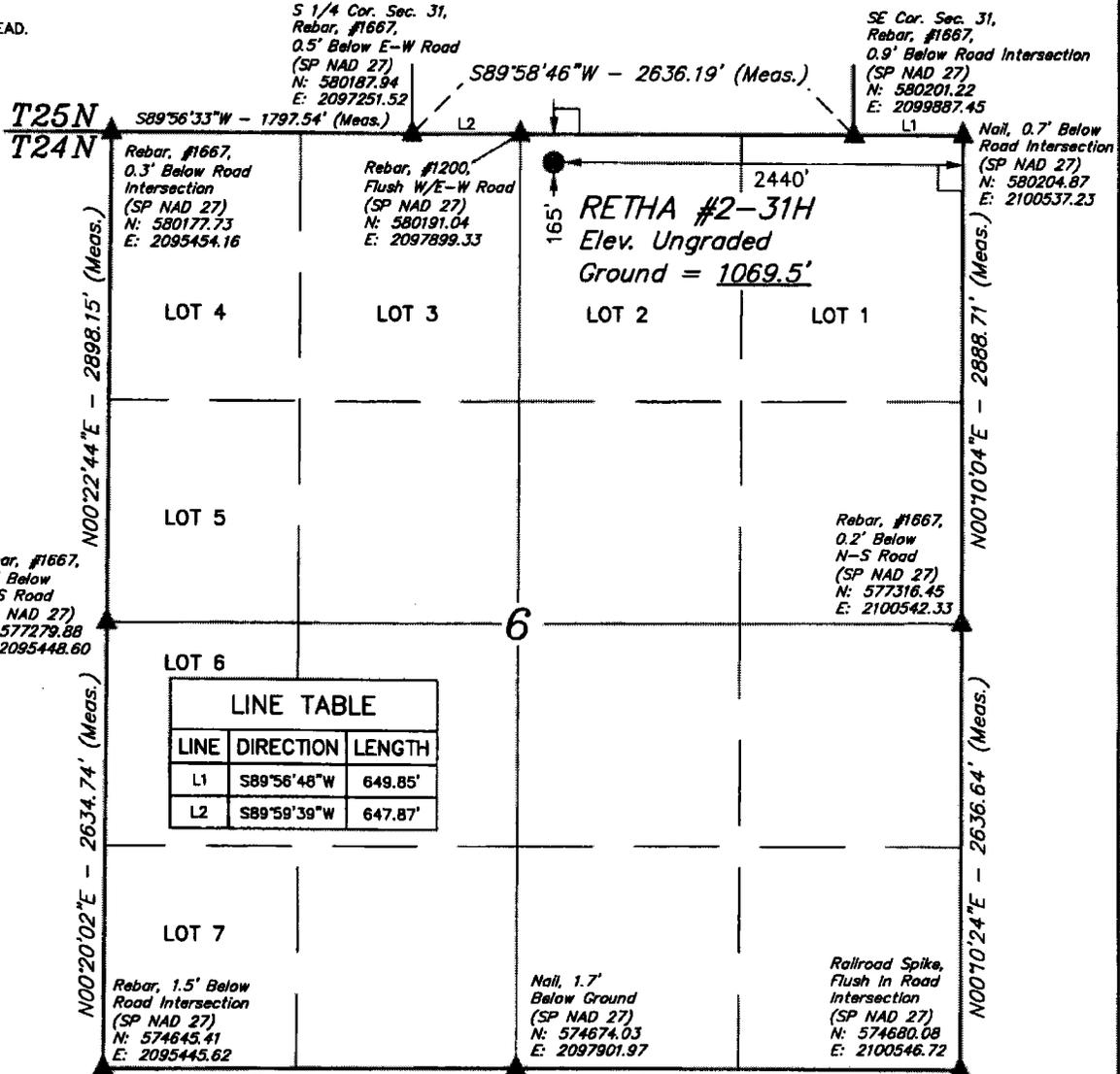
Category	Description
PENDING CD - 201408026	12/17/2014 - G75 - 31-25N-4W X579402 MISS 2 WELLS NO OP. NAMED REC 12-2-2014 (MCKEOWN)
PENDING CD - 201408027	12/17/2014 - G75 - (I.O.) X579402 MISS SHL NCT 150 FNL, NCT 330 FEL 6-24N-4W FIRST PERF NCT 150 FSL, NCT 330 FEL 31-25N-4W LAST PERF NCT 150 FNL, NCT 330 FEL 31-25N-4W BHL NCT 150 FNL, NCT 330 FEL 31-25N-4W NO OP. NAMED REC 12-2-2014 (MCKEOWN)
SPACING - 579402	12/17/2014 - G75 - (640)(HOR) 31-25N-4W EST MISS POE TO BHL NCT 660' FB

NW NW NW NE

**LEGEND:**

- 90° SYMBOL
- PROPOSED WELLHEAD.
- ▲ SECTION CORNERS LOCATED.

**T24N, R4W, I.M. API 047-24980**



<b>NAD 83 (SURFACE LOCATION)</b>	
LATITUDE = 36°35'34.73"	(36.592981)
LONGITUDE = 97°39'58.27"	(97.666186)
<b>NAD 27 (SURFACE LOCATION)</b>	
LATITUDE = 36°35'34.62"	(36.592950)
LONGITUDE = 97°39'57.09"	(97.665858)
<b>STATE PLANE NAD 83</b>	
N: 580053.23	E: 2066498.58
<b>STATE PLANE NAD 27</b>	
N: 580027.12	E: 2098097.76

**CERTIFICATE OF PROFESSIONAL LAND SURVEYOR**

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

JUSTIN  
REGISTERED LAND SURVEYOR  
REGISTRATION NO. 1822  
STATE OF OKLAHOMA  
10-31-14



**BASIS OF BEARINGS**  
BASIS OF BEARINGS IS A G.P.S. OBSERVATION

**BASIS OF ELEVATION**  
BENCH MARK (F184) LOCATED NEAR THE SOUTH LINE OF THE SW 1/4 OF SECTION 12, T22N, R6W, I.M., TAKEN FROM THE ENID EAST, QUADRANGLE, OKLAHOMA, GARFIELD COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 1154.36 FEET.

**SK PLYMOUTH, LLC**

**RETHA #2-31H**  
**LOT 2, SECTION 6, T24N, R4W, I.M.**  
**GARFIELD COUNTY, OKLAHOMA**

SURVEYED BY: J.P., C.B.	SURVEY DATE: 09-22-14
DRAWN BY: S.F.	DATE DRAWN: 09-29-14
SCALE: 1" = 1000'	REVISED: 00-00-00



**UELS, LLC**  
Corporate Office \* 85 South 200 East  
Vernal, UT 84078 \* (435) 789-1017



**WELL LOCATION PLAT**