

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

API NUMBER: 071 24845

Approval Date: 02/03/2015
Expiration Date: 08/03/2015

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 12 Twp: 25N Rge: 1W County: KAY
SPOT LOCATION: SW SW SW SE FEET FROM QUARTER: FROM SOUTH FROM EAST
SECTION LINES: 290 2574

Lease Name: MOCCASIN Well No: 12-5N Well will be 290 feet from nearest unit or lease boundary.

Operator Name: RANGE PRODUCTION COMPANY LLC Telephone: 4058107341; 4058107 OTC/OCC Number: 22664 0

RANGE PRODUCTION COMPANY LLC
5600 N MAY AVE STE 350
OKLAHOMA CITY, OK 73112-3967

REBECCA A NORTH & RCB BANK, CO TRUSTEES
THE NEAL & REBECCA NORTH FAMILY TRUST
122 EAST GRAND
PONCA CITY OK 74601

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

Name	Depth	Name	Depth
1	MISSISSIPPIAN	4324	6
2			7
3			8
4			9
5			10

Spacing Orders: 611791

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201409271
201409270

Special Orders:

Total Depth: 9600

Ground Elevation: 949

Surface Casing: 320

Depth to base of Treatable Water-Bearing FM: 270

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: Yes

PIT 1 INFORMATION

Type of Pit System: ON SITE

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: 1A

Liner required for Category: 1A

Pit Location is ALLUVIAL

Pit Location Formation: ALLUVIUM

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

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

PERMIT NO: 14-29217

H. 20-MIL PIT LINER REQUIRED

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 12 Twp 25N Rge 1W County KAY

Spot Location of End Point: NE NW NW NE

Feet From: NORTH 1/4 Section Line: 165

Feet From: EAST 1/4 Section Line: 2200

Depth of Deviation: 3594

Radius of Turn: 750

Direction: 15

Total Length: 4828

Measured Total Depth: 9600

True Vertical Depth: 4344

End Point Location from Lease,
Unit, or Property Line: 165

Notes:

Category	Description
PENDING CD - 201409270	1/30/2015 - G76 - 12-25N-1W X611791 MSSP 2 WELLS NO OP. NAMED REC. 1/13/2015 (LEAVITT)
PENDING CD - 201409271	1/30/2015 - G76 - 12-25N-1W (I.O.) 12-25N-1W X611791 MSSP SHL 225 FSL, 2000 FEL ** COMPL. INT. NCT 330 FSL, NCT 165 FNL, NCT 660 FEL NO OP. NAMED REC. 1/13/2015 (LEAVITT) **S/B 290 FSL, 2574 FEL; TO BE CORRECTED AT HEARING FOR FINAL ORDER LOCATION EXCEPTION PER OPERATOR
SPACING - 611791	1/30/2015 - G76 - (640)(HOR) 12-25N-1W EXT 605669 MSSP, OTHERS POE TO BHL NLT 660' FB (SUPERSEDE NON-PRODUCING NON-HORIZONTAL SPACING UNITS; COEXIST WITH PRODUCING NON-HORIZONTAL SPACING UNITS)
SURFACE HOLE LOCATION	1/30/2015 - G76 - 290' FSL, 2574' FEL PER OPERATOR

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.

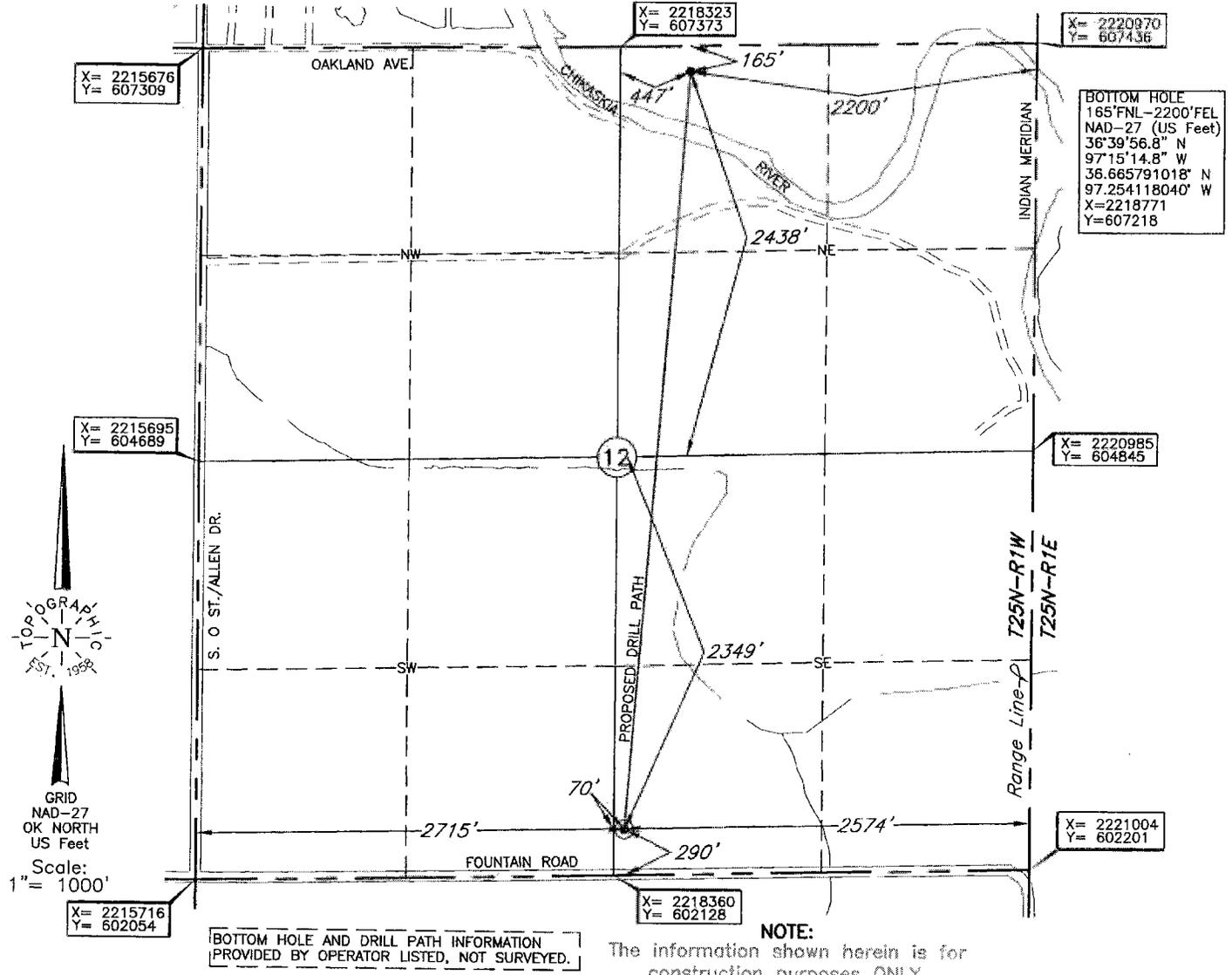
API - 071-24845

TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

6709 NORTH CLASSEN BLVD., OKLA. CITY, OKLA. 73116 * LOCAL (405) 843-4847 * OUT OF STATE (800) 654-3219

Certificate of Authorization No. 1293.
KAY

290'FSL - 2715'FWL Section 12 Township 25N Range 1W I.M. County, Oklahoma



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

Operator: RANGE PRODUCTION COMPANY
Lease Name: MOCCASIN
Topography & Vegetation Loc. fell on East edge of level pad

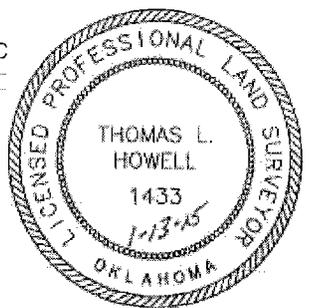
ELEVATION:
952' Gr. at level pad

Good Drill Site? Yes Reference Stakes or Alternate Location Stakes Set None
Best Accessibility to Location From South off county road
Distance & Direction From Hwy Jct or Town From Jct. I-35 and US Hwy. 60, Exit 214, go ±4.5 mi. East, then ±2.5 mi. South to the SW Cor. of Sec. 12-T25N-R1E

DATUM: NAD-27
LAT: 36°39'09.4"N
LONG: 97°15'19.5"W
LAT: 36.652617773° N
LONG: 97.255413270° W
STATE PLANE COORDINATES: (US Feet)
ZONE: OK NORTH
X: 2218428
Y: 602420

Date of Drawing: Jan. 12, 2015
Invoice # 238581 Date Staked: Jan. 09, 2015 AC

CERTIFICATE:
I, Thomas L. Howell an 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



This information was gathered with a GPS receiver with ±1 foot Horiz./Vert. accuracy