

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

API NUMBER: 071 24833

Approval Date: 12/11/2014
Expiration Date: 06/11/2015

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 12 Twp: 25N Rge: 1W

County: KAY

SPOT LOCATION: SE SE SE SW

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 290 2565

Lease Name: MOCCASIN

Well No: 12-4N

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 AND RBC BANK, CO-TRUSTEES OF
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	4332	6
2			7
3			8
4			9
5			10

Spacing Orders: 611791

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201408372
201408370

Special Orders:

Total Depth: 9600

Ground Elevation: 955

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:

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

PERMIT NO: 14-29105

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: NW NE NE NW

Feet From: NORTH 1/4 Section Line: 165

Feet From: WEST 1/4 Section Line: 2200

Depth of Deviation: 3605

Radius of Turn: 750

Direction: 360

Total Length: 4817

Measured Total Depth: 9600

True Vertical Depth: 4355

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

Notes:

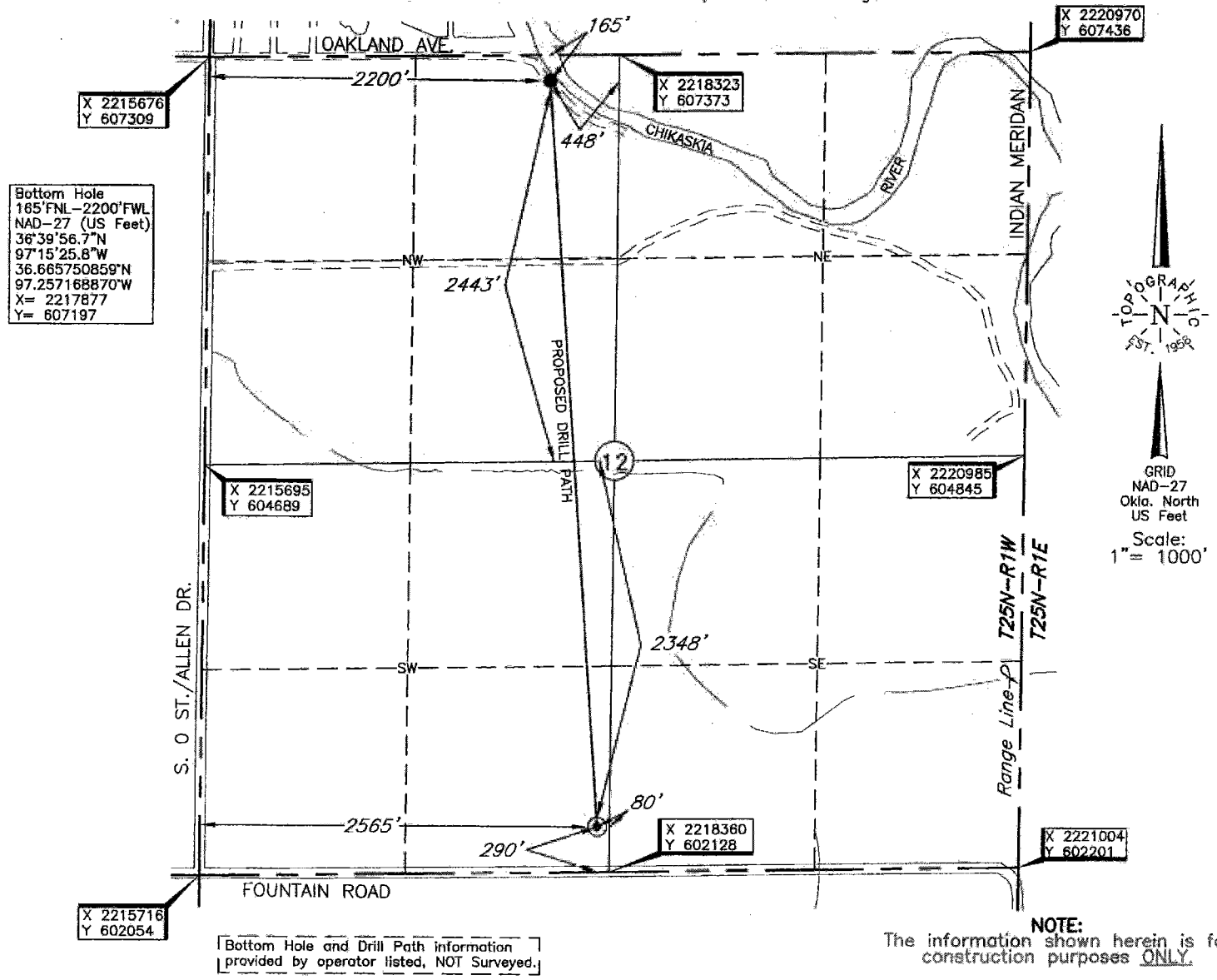
Category	Description
PENDING CD - 201408370	12/10/2014 - G72 - 12-25N-01W X 611791 MSSP, 2 WELLS, NO OPER NAMED, REC 12/1/2014 (LEAVITT)
PENDING CD - 201408372	12/10/2014 - G72 - 12-25N-1W (I.O.) X611791 MSSP, SHL** 225 FSL, 2200 FWL, COMPL. INT. NCT 330 FSL, NCT 165 FNL, NCT 660 FWL, NO OPER NAMED, REC 12-1-2014 (LEAVITT) **SHL TO BE AMENDED AT FINAL HEARING PER OPERATOR.
SPACING - 611791	12/10/2014 - G72 - (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)

071-24833

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 County, Oklahoma

290° FSL-2565' FWL Section 12 Township 25N Range 1W I.M.



Bottom Hole
165' FNL-2200' FWL
NAD-27 (US Feet)
36°39'56.7"N
97°15'25.8"W
36.665750859°N
97.257168870°W
X= 2217877
Y= 607197

Bottom Hole and Drill Path information provided by operator listed, NOT Surveyed.

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

Operator: RANGE PRODUCTION COMPANY
Lease Name: MOCCASIN
Topography & Vegetation Loc. fell in level wheat field

ELEVATION:
951' Gr. at Stake

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 US. Hwy. 35 North Exit 214 to Thunderbird Road (US. Hwy. 60) go 4.5 miles East on Thunderbird Road (US. Hwy. 60) to S. O St, then South on S. O St./S. Allen Dr. ±2.5 miles to West Fountain Road, then East on West Fountain Road 0.5 mile, then North into location in the SW/4 of Sec. 12-T25N-R1W

This information was gathered with a GPS receiver with ±1 foot Horiz./Vert. accuracy.
DATUM: NAD-27
LAT: 36°39'09.4"N
LONG: 97°15'21.3"W
LAT: 36.652610169° N
LONG: 97.255924038° W
STATE PLANE COORDINATES: (US Feet)
ZONE: OK NORTH
X: 2218278
Y: 602416

Invoice # 235081 Date of Drawing: Nov. 25, 2014
Date Staked: Nov. 21, 2014 LC

CERTIFICATE:
I, Lee K. Goss a Oklahoma Licensed Land Surveyor and an authorized agent of Topographic Land Surveyors of Oklahoma, do hereby certify to the information shown herein.
Lee K. Goss
Oklahoma Lic. No. 1778

