

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

API NUMBER: 071 24836

Approval Date: 01/05/2015

Expiration Date: 07/05/2015

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 14 Twp: 25N Rge: 1W County: KAY
SPOT LOCATION: SW SW SW SE FEET FROM QUARTER: FROM SOUTH FROM EAST
SECTION LINES: 265 2320

Lease Name: COPPERHEAD FEDERAL Well No: 14-5N Well will be 265 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

MARION J. & ROMONA G. SHEETS
462 VILLAGE BROOK
LIVINGSTON TX 77351

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	4423	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 601337

Location Exception Orders: 634600

Increased Density Orders:

Pending CD Numbers: 201408334

Special Orders:

Total Depth: 9600

Ground Elevation: 948

Surface Casing: 360

Depth to base of Treatable Water-Bearing FM: 310

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)

H. 20-MIL PIT LINER REQUIRED

PERMIT NO: 14-29145

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 14 Twp 25N Rge 1W County KAY

Spot Location of End Point: NE NW NE

Feet From: NORTH 1/4 Section Line: 165

Feet From: EAST 1/4 Section Line: 2200

Depth of Deviation: 3698

Radius of Turn: 750

Direction: 1

Total Length: 4724

Measured Total Depth: 9600

True Vertical Depth: 4448

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

Notes:

Category

Description

LOCATION EXCEPTION - 634600

1/2/2015 - G75 - (I.O.) 14-25N-1W
X601337 MSSP
SHL 235 FSL, 2270 FEL **
COMPL. INT. NCT 165 FSL, NCT 165 FNL, NCT 660 FEL
RANGE PROD. CO., LLC
12-29-2014

** ITD HAS SHL AS 265 FSL, 2320 FEL; TO BE CORRECTED AT HEARING FOR FINAL ORDER
LOCATION EXCEPTION PER OPERATOR

PENDING CD - 201408334

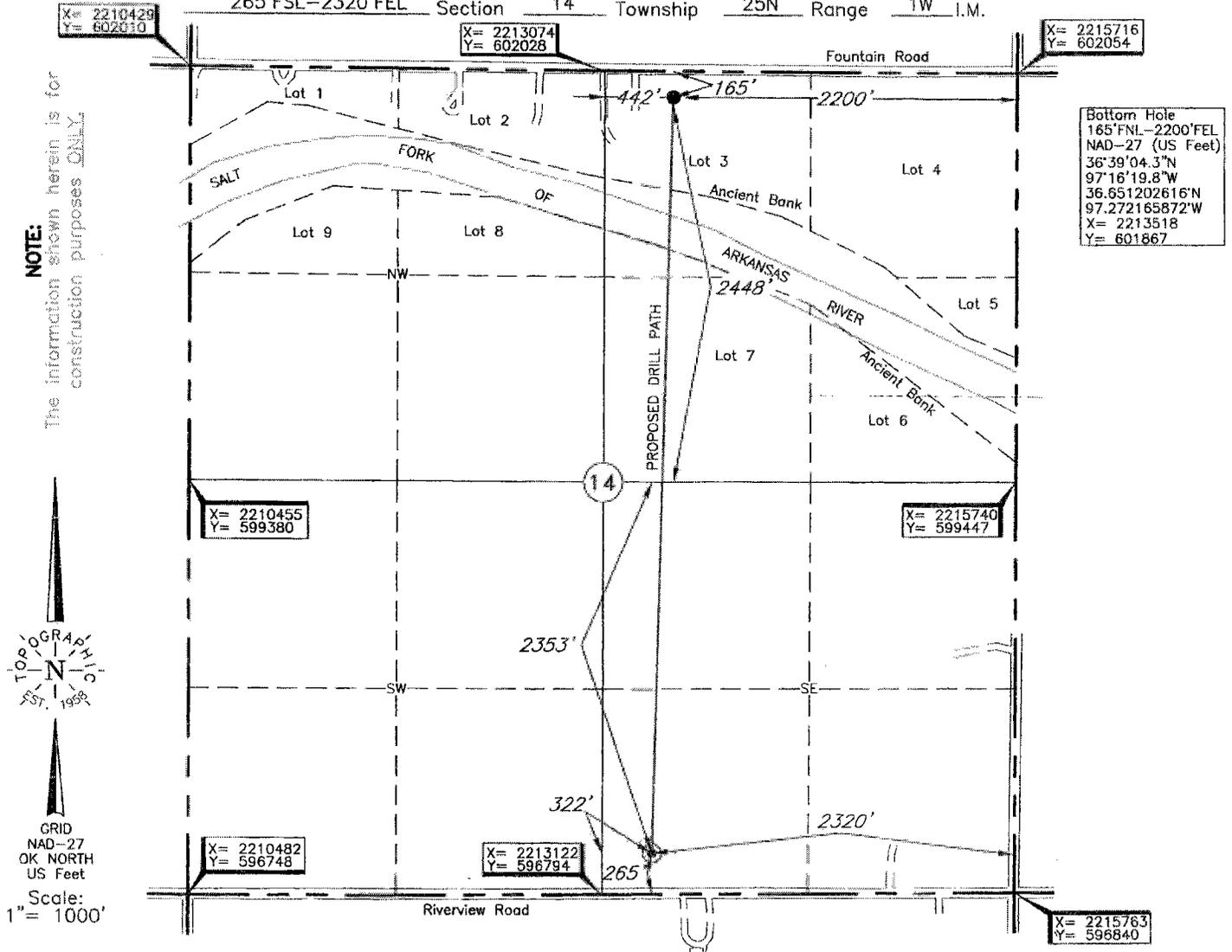
1/2/2015 - G75 - 14-25N-1W
X601337 MSSP
4 WELLS
NO OP. NAMED
REC 12-4-2014 (LEAVITT)

SPACING - 601337

1/2/2015 - G75 - (640)(HOR) 14-25N-1W
EXT 590857 MSSP
EST OTHERS
POE TO BHL NLT 660' FB
(SUPERSEDE NON-PRODUCING NON-HORIZONTAL SPACING UNITS; COEXIST WITH
PRODUCING NON-HORIZONTAL SPACING UNITS)

KAY County, Oklahoma

265° FSL-2320° FEL Section 14 Township 25N Range 1W I.M.



Operator: RANGE PRODUCTION COMPANY

Lease Name: COPPERHEAD

Well No.: 14-5N

ELEVATION:

948' Gr. at Level Pad

Topography & Vegetation Location fell on an Existing Pad (VALI 23-5S)

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 of US Hwy 60 E-W & St. Hwy 77 South, go ±4.0 mi. South, then ±2.5 mi. East to the SE corner of Section 14-T25N-R1W

Revision A Date of Drawing: Dec. 29, 2014
 Invoice # 234608 Date Staked: Nov. 11, 2014

DP

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

DATUM: NAD-27
 LAT: 36° 38' 16.8" N
 LONG: 97° 16' 21.2" W
 LAT: 36.638011859° N
 LONG: 97.272549707° W
 STATE PLANE COORDINATES: (US Feet)
 ZONE: OK NORTH
 X: 2213441
 Y: 597064

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

