

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

API NUMBER: 071 24763

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

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 2470

Lease Name: VALI Well No: 23-5S 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 SHEETS & ROMONA G SHEETS
462 VILLAGE BROOK
LIVINGSTON TX 77351

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

Name	Depth	Name	Depth
1	MISSISSIPPIAN	4427	6
2			7
3			8
4			9
5			10

Spacing Orders: 590857 Location Exception Orders: 622468 Increased Density Orders: 622623

Pending CD Numbers:

Special Orders:

Total Depth: 9600 Ground Elevation: 947 **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

Approved Method for disposal of Drilling Fluids:

Type of Pit System: ON SITE
Type of Mud System: WATER BASED
Chlorides Max: 5000 Average: 3000

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 14-27283
H. 20-MIL PIT LINER REQUIRED

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

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 23 Twp 25N Rge 1W County KAY

Spot Location of End Point: SE SW SW SE

Feet From: SOUTH 1/4 Section Line: 165

Feet From: EAST 1/4 Section Line: 2200

Depth of Deviation: 3702

Radius of Turn: 750

Direction: 180

Total Length: 4720

Measured Total Depth: 9600

True Vertical Depth: 4452

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

Notes:

Category	Description
INCREASED DENSITY - 622623	6/10/2014 - G72 - 23-25N-01W X 590857 MSSP; 2 WELLS; RANGE PRODUCTION COMPANY; 3/13/2014
LOCATION EXCEPTION -622468	6/10/2014 - G72 - 23-25N-01W (I.O.) X 590857 MSSP; SHL 165 FNL 660 FEL; COMP INT. NCT 165 FNL NCT 165 FSL NCT 660 FEL; RANGE PRODUCTION COMPANY 3/11/2014
SPACING - 590857	6/10/2014 - G72 - (640)(HOR) 23-25N-1W EXT 585283 MSSP POE TO BHL NLT 660' FB (SUPERSEDE NON-PRODUCING NON-HORIZONTAL SPACING UNITS; COEXIST WITH PRODUCING NON-HORIZONTAL SPACING UNITS)

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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 07124763

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.

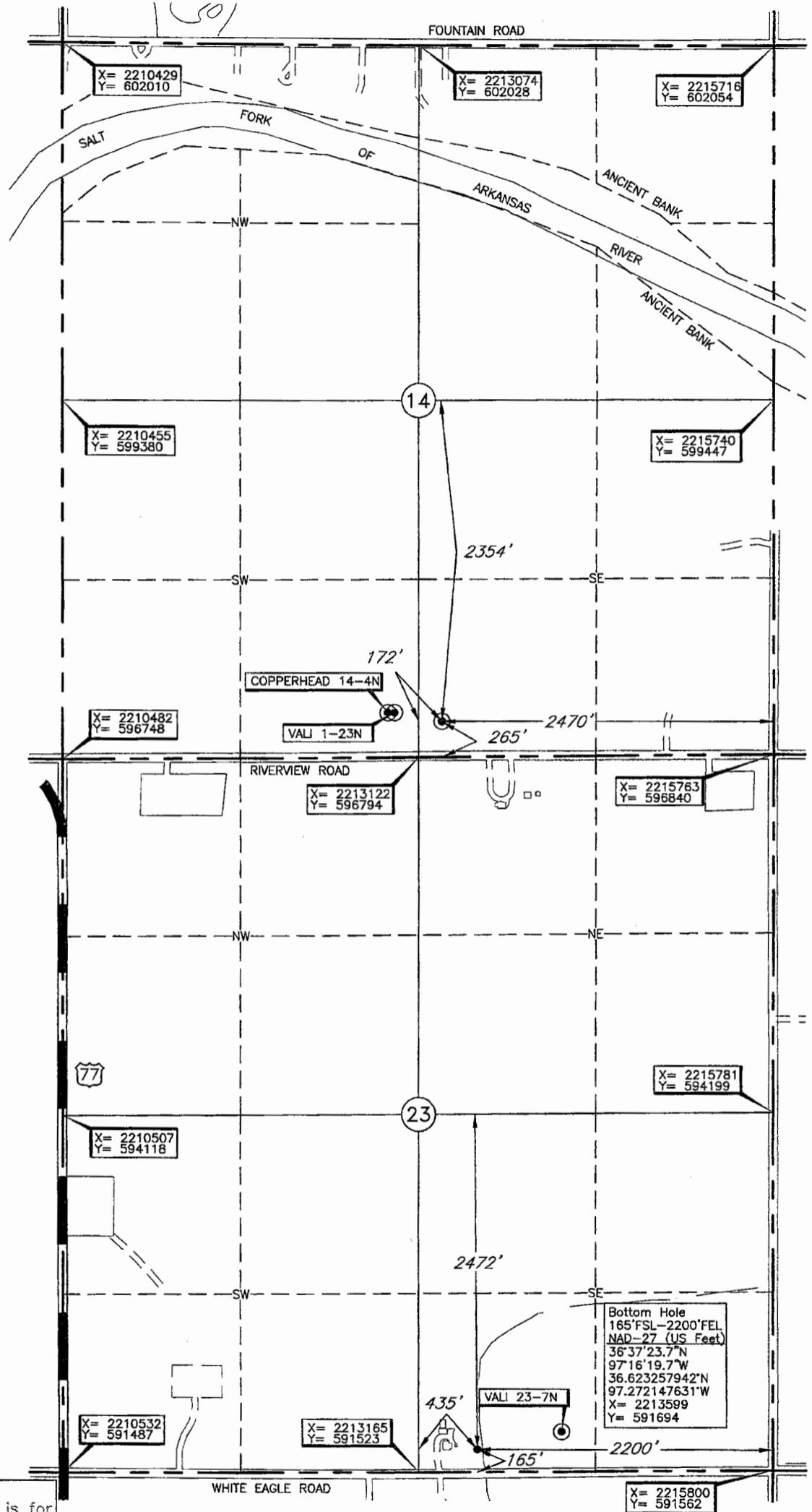
KAY

County, Oklahoma

265'FSL-2470'FEL Section 14 Township 25N Range 1W I.M.



Bottom Hole Information provided by operator listed, NOT Surveyed



Operator: RANGE PRODUCTION COMPANY
 Lease Name: VALI
 Topography & Vegetation: Loc. fell in gently sloping alfalfa field, ±170' East to N-S fence
 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
 Well No.: 23-5S
ELEVATION:
 947' Gr. at Stake

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

Revision A Date of Drawing: June 3, 2014
 Invoice # 223361 Date Staked: May 23, 2014

DATUM: NAD-27
 LAT: 36°38'16.8"N
 LONG: 97°16'23.0"W
 LAT: 36.638007570°N
 LONG: 97.273059823°W
 STATE PLANE COORDINATES: (US Feet)
 ZONE: OK NORTH
 X: 2213291
 Y: 597062

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
 Oklahoma Lic. No. 1778

