

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

API NUMBER: 071 24764

Approval Date: 06/13/2014  
Expiration Date: 12/13/2014

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 25 Twp: 29N Rge: 2W County: KAY  
SPOT LOCATION:  NW  NW  NE  NE FEET FROM QUARTER: FROM NORTH FROM EAST  
SECTION LINES: 225 1020

Lease Name: CURL 2902 Well No: 2-25H Well will be 225 feet from nearest unit or lease boundary.

Operator Name: SANDRIDGE EXPLORATION & PRODUCTION LLC Telephone: 4054296169 OTC/OCC Number: 22281 0

SANDRIDGE EXPLORATION & PRODUCTION LLC  
123 ROBERT S KERR AVE STE 1702  
OKLAHOMA CITY, OK 73102-6406

JIMMY L. CURL  
7505 N. 44TH ST.  
BRAMAN OK 74632

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

Name	Depth	Name	Depth
1	MISSISSIPPIAN	3770	6
2			7
3			8
4			9
5			10

Spacing Orders: 610644 Location Exception Orders: 626176 Increased Density Orders: 626254

Pending CD Numbers:

Special Orders:

Total Depth: 9304 Ground Elevation: 1082 **Surface Casing: 1500** Depth to base of Treatable Water-Bearing FM: 290

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: 10000 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: WELLINGTON

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 14-27350  
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 25 Twp 29N Rge 2W County KAY

Spot Location of End Point: S2 S2 SE SE

Feet From: SOUTH 1/4 Section Line: 150

Feet From: EAST 1/4 Section Line: 660

Depth of Deviation: 3229

Radius of Turn: 890

Direction: 175

Total Length: 4677

Measured Total Depth: 9304

True Vertical Depth: 3806

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

Notes:

Category	Description
DEEP SURFACE CASING	6/9/2014 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY FOR ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON CONDUCTOR OR SURFACE CASING
INCREASED DENSITY - 626254	6/12/2014 - G75 - 25-29N-2W X610644 MSSP 3 WELLS SANDRIDGE EXPLOR. & PROD., L.L.C. 6-2-2014
LOCATION EXCEPTION - 626176	6/12/2014 - G75 - (I.O.) 25-29N-2W X610644 MSSP COMPL. INT. NCT 150 FNL, NCT 150 FSL, NCT 560 FEL SANDRIDGE EXPLOR. & PROD., L.L.C. 5-30-2014
SPACING - 610644	6/12/2014 - G75 - (640) 25-29N-2W VAC OTHERS EXT (VER) OTHERS EXT (HOR) 596052 MSSP POE TO BHL NLT 660' FB (SUPERSEDE SP. ORDER # 47608 MSSCT & ORDER # 593009 MSSLM FOR NON-DEVELOPED UNITS; COEXIST SP. ORDER # 47608 MSSCT SE4 SE4 & ORDER # 593009 MSSLM NW4 NE4)

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API-017-24764

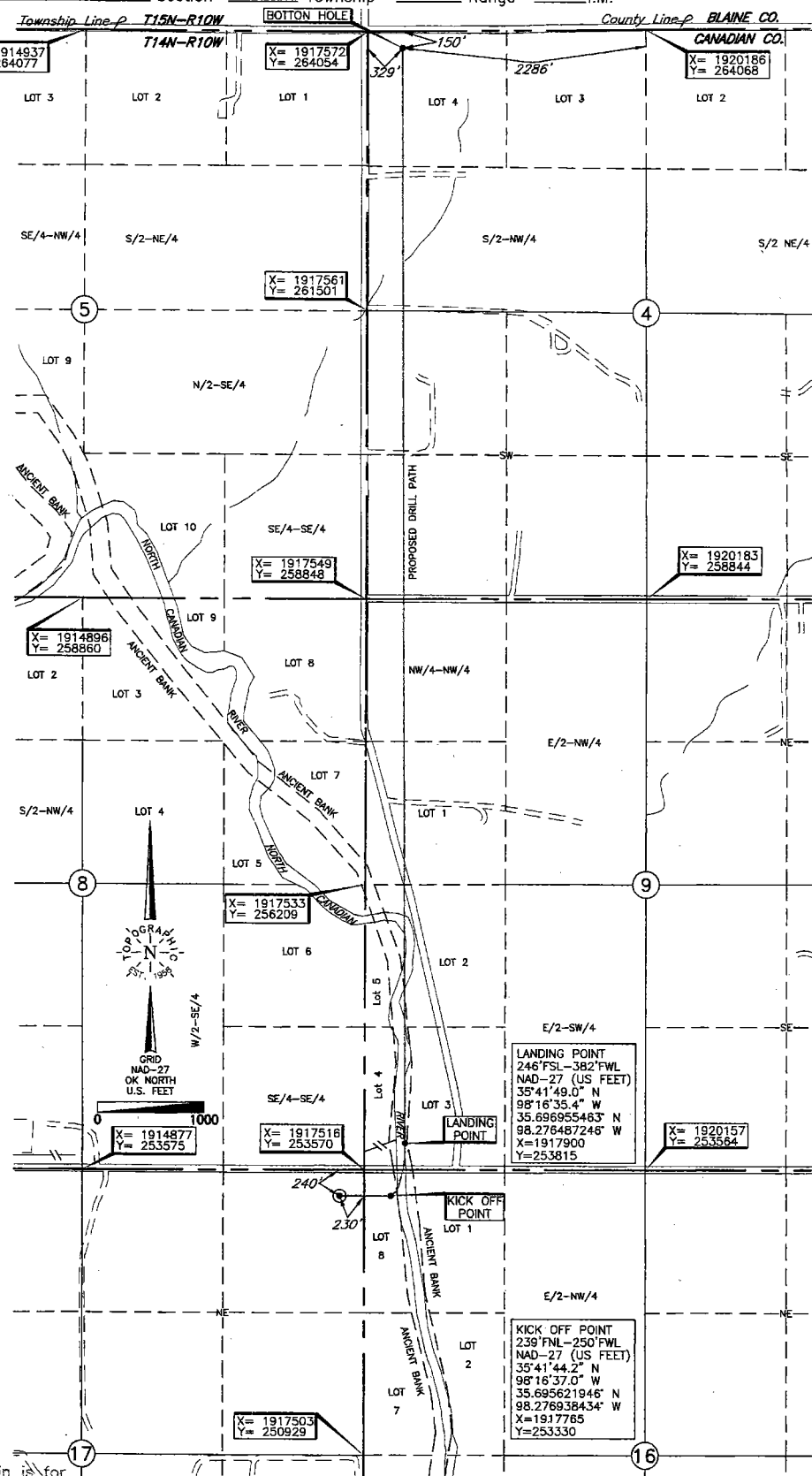
**TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA**  
 6709 NORTH CLASSEN BLVD., OKLA. CITY, OKLA. 73116 \* LOCAL (405) 843-4847 \* OUT OF STATE (800) 654-3219  
 Certificate of Authorization No. 1293

CANADIAN County, Oklahoma  
 240' FNL - 230' FEL Section 17 Township 14N Range 10W I.M.

BOTTOM HOLE LANDING POINT AND DRILL PATH INFORMATION PROVIDED BY OPERATOR LISTED, NOT SURVEYED.

**BOTTOM HOLE**  
 150' FNL - 329' FWL  
 NAD-27 (US FEET)  
 35°43'28.8" N  
 98°16'35.7" W  
 35.724677073° N  
 98.276584055° W  
 X = 1917900  
 Y = 263906

Operator: CIMAREX ENERGY CO.  
 Lease Name: CLAYTON  
 Topography & Vegetation Loc. fell in level wheat field ±230' West of N-S fence & ±200' South of E-W R/W fence.  
 Well No.: 1X-0904  
 1413' Gr. of Stake  
**ELEVATION:**  
 Good Drill Site?  Yes  
 Reference Stakes or Alternate Location  
 Stakes Set  None  
 Best Accessibility to Location From North off county road  
 Distance & Direction From Calumet, OK, go ±6.7 mi. North on paved road, then ±9.0 mi. West to the NE Cor. of Sec. 17-T14N-R10W



**NOTE:**  
 The information shown herein is for construction purposes ONLY.  
 DATUM: NAD-27  
 LAT: 35°41'44.2" N  
 LONG: 98°16'42.8" W  
 LAT: 35.695618173° N  
 LONG: 98.278554886° W  
 STATE PLANE COORDINATES: (US Feet)  
 ZONE: OK NORTH  
 X: 1917285  
 Y: 253330

Date of Drawing: Feb. 23, 2015  
 Invoice # 239926 Date Staked: Feb. 03, 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

