

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

API NUMBER: 083 24295

Approval Date: 05/07/2014
Expiration Date: 11/07/2014

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 23 Twp: 18N Rge: 4W

County: LOGAN

SPOT LOCATION: NE NW NE NE

FEET FROM QUARTER: FROM NORTH FROM EAST

SECTION LINES: 193 860

Lease Name: NORRIS

Well No: 1-23H

Well will be 193 feet from nearest unit or lease boundary.

Operator Name: STEPHENS PRODUCTION CO

Telephone: 4797834191

OTC/OCC Number: 23030 0

STEPHENS PRODUCTION CO
PO BOX 2407
FORT SMITH, AR 72902-2407

WILLIAM B. & JULIANA MCINTOSH
7440 NORTH PENNSYLVANIA AVENUE
GUTHRIE OK 73044

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	5770	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 623586

Location Exception Orders: 624968

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 10800

Ground Elevation: 1009

Surface Casing: 550

Depth to base of Treatable Water-Bearing FM: 390

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: No

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: 2

Liner not required for Category: 2

Pit Location is BED AQUIFER

Pit Location Formation: GARBER

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

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 18N Rge 4W County LOGAN

Spot Location of End Point: S2 S2 SE SE

Feet From: SOUTH 1/4 Section Line: 50

Feet From: EAST 1/4 Section Line: 660

Depth of Deviation: 5070

Radius of Turn: 700

Direction: 179

Total Length: 4630

Measured Total Depth: 10800

True Vertical Depth: 5900

End Point Location from Lease,
Unit, or Property Line: 50

Notes:

Category

Description

LOCATION EXCEPTION - 624968

5/7/2014 - G75 - (E.O.) 23-18N-4W
X623586 MSSP, OTHER
COMPL. INT. NCT 150 FNL, NCT 150 FSL, NCT 660 FEL
STEPHENS PROD. CO.
5-6-2014

SPACING - 623586

5/7/2014 - G75 - (640)(HOR) 23-18N-4W
VAC 396512 MSSLM
EXT 609518 MSSP, OTHERS
POE TO BHL NCT 660' FB

API 083-24295

Well Location Plat

Sec. 23-18N-4W I.M.

Operator: STEPHENS PRODUCTION COMPANY
 Lease Name and No. : SPC NORRIS #1-23H
 Footage : 193' FNL - 860' FEL GR. ELEVATION : 1009' Good Site? YES
 Section: ~~14~~ 23 Township: 18N Range: 4W I.M.
 County : Logan State of Oklahoma
 Alternate Loc. : N/A
 Terrain at Loc. : Stake fell in pasture.



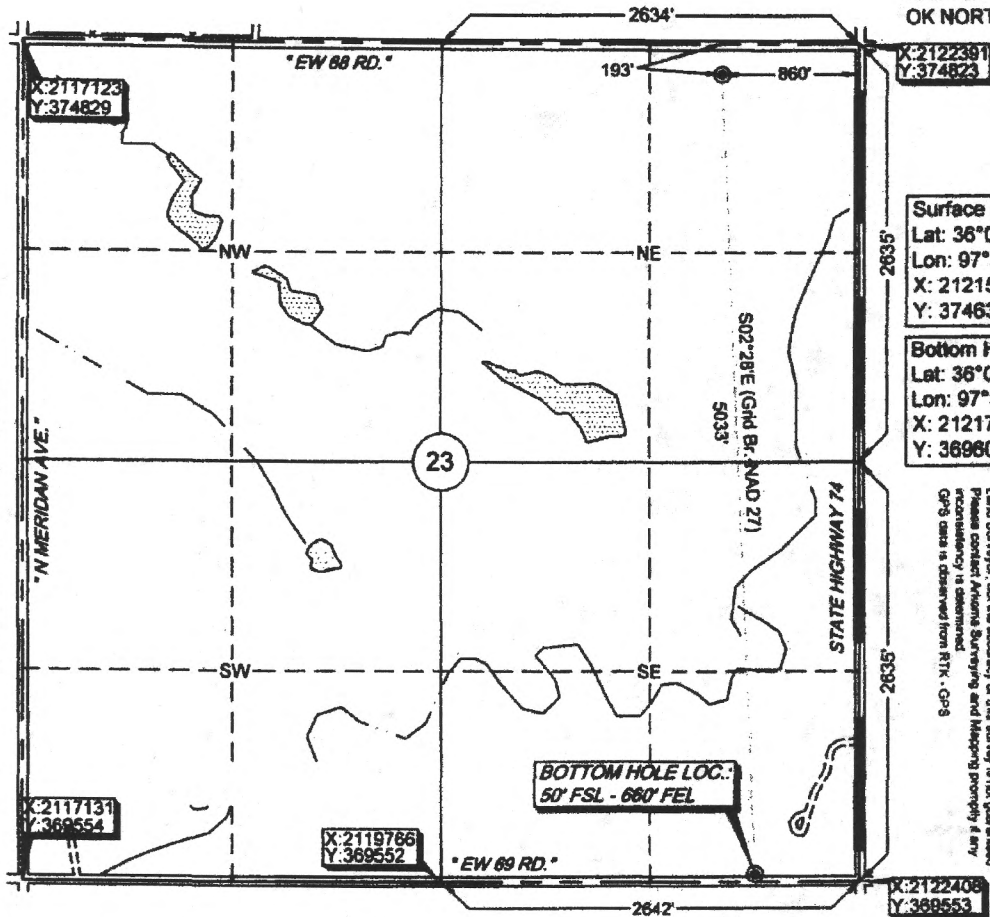
Accessibility : From the South.

Directions : From the town of Crescent, OK, at the intersection of State Highway 74C & State Highway 74, go 0.5 mile North on Hwy 74, then 1.0 mile West on "EW 68 Road" to the location on the South side of the road in Section 23-18N-4W.



1"=1000'
 GPS DATUM
 NAD - 27
 OK NORTH ZONE

Quarter Section distances may be assumed from a Government Survey Plat or assumed at a proportionate distance from opposing section corners, or occupation thereof, and may not have been measured on-the-ground, and further, does not represent a true boundary survey.



X:2122391
 Y:374823

Surface Hole Loc.:
 Lat: 36°01'42.52"N
 Lon: 97°35'20.40"W
 X: 2121531
 Y: 374630

Bottom Hole Loc.:
 Lat: 36°00'52.78"N
 Lon: 97°35'18.02"W
 X: 2121748
 Y: 369802

NOTE: X and Y data shown hereon for Section Corners may NOT have been surveyed on-the-ground and further, does NOT represent a true boundary survey. Please note that this location was staked on the ground under the supervision of a Licensed Professional Land Surveyor, but the accuracy of this survey is not guaranteed. Please contact Arkoma Surveying and Mapping promptly if any GPS data is determined from RTK - GPS.

survey and plat by:
Arkoma Surveying and Mapping, PLLC
 P.O. Box 238 Wilburton, OK 74578
 Ph. 918-465-5711 Fax 918-465-5030

Certificate of Authorization No. 5348
 Expires June 30, 2014

Invoice #4421-B
 Date Staked : 05/05/14 By : R.L.
 Date Drawn : 05/05/14 By : R.M.

Certification:
 This is to certify that this Well Location Plat represents the results of a survey made on the ground performed under the supervision of the undersigned.

Stan Drannon 5/5/14
 STAN DRANNON OK LPLS 1672

