

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

API NUMBER: 083 24354

Approval Date: 12/02/2014
Expiration Date: 06/02/2015

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 06 Twp: 17N Rge: 4W

County: LOGAN

SPOT LOCATION: SE SW SE SE

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 200 950

Lease Name: EMMERICH

Well No: 2-6H

Well will be 200 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

JANICE EMMERICH
29705 E. 730 ROAD
CRESCENT OK 73028

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

| | Name | Depth | Name | Depth |
|---|---------------|-------|------|-------|
| 1 | MISSISSIPPIAN | 6370 | 6 | |
| 2 | WOODFORD | 6850 | 7 | |
| 3 | HUNTON | 6964 | 8 | |
| 4 | | | 9 | |
| 5 | | | 10 | |

Spacing Orders: 632408

Location Exception Orders: 633175

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 11660

Ground Elevation: 1161

Surface Casing: 700

Depth to base of Treatable Water-Bearing FM: 350

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: 1B

Liner required for Category: 1B

Pit Location is AP/TE DEPOSIT

Pit Location Formation: TERRACE

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

H. SOIL COMPACTED PIT, NOTIFY DISTRICT PRIOR TO TESTING SOIL PIT LINER

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 06 Twp 17N Rge 4W County LOGAN

Spot Location of End Point: NE NE NW NE

Feet From: NORTH 1/4 Section Line: 50

Feet From: EAST 1/4 Section Line: 1500

Depth of Deviation: 6140

Radius of Turn: 600

Direction: 355

Total Length: 4577

Measured Total Depth: 11660

True Vertical Depth: 6964

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

Notes:

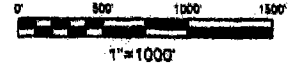
| Category | Description |
|-----------------------------|--|
| DEEP SURFACE CASING | 10/23/2014 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY FOR ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON CONDUCTOR OR SURFACE CASING |
| LOCATION EXCEPTION - 633175 | 11/24/2014 - G75 - (I.O.) 6-17N-4W X632408 MSSP, WDFD, HNTN COMPL. INT. NCT 150 FSL, NCT 150 FNL, NCT 660 FEL STEPHENS PROD. CO. 11-19-2014 |
| SPACING - 632408 | 11/24/2014 - G75 - (640)(HOR) 6-17N-4W VAC OTHER VAC 59564 MSSLM NW4, SE4 ** VAC 65198 HNTN NW4, E2, W2 SW4 VAC 233054 MSSLM NE4 EXT 625575 WDFD, HNTN EST MSSP POE TO BHL (MSSP, HNTN) NCT 660' FB POE TO BHL (WDFD) NCT 330' FB (COEXIST SP. ORDER # 65198 MSSLM W2 NW4 & ORDER # 59564 MSSLM SW4 & ORDER # 65198 HNTN E2 SW4) ++ ** S/B VAC 59564 MSSLM SE4 ONLY; COPY OF NUNC PRO TUNC HAS BEEN SENT BY ATTORNEY FOR OPERATOR AND REVIEWED BY OCC ++ S/B COEXIST SP. ORDER # 59564 MSSLM NW4, SW4 & ORDER # 65198 HNTN E2 SW4; COPY OF NUNC PRO TUNC HAS BEEN SENT BY ATTORNEY FOR OPERATOR AND REVIEWED BY OCC |

APT 083-24354

Sec. 6-17N-4W I.M.

Well Location Plat

Operator: STEPHENS PRODUCTION COMPANY
 Lease Name and No.: EMMERICH #2-6H
 Footage: 200' FSL - 950' FEL GR. ELEVATION: 1161' Good Site? YES
 Section: 6 Township: 17N Range: 4W I.M.
 County: Logan State of Oklahoma
 Alternate Loc.: N/A
 Terrain at Loc.: Stake fell in wheat field.



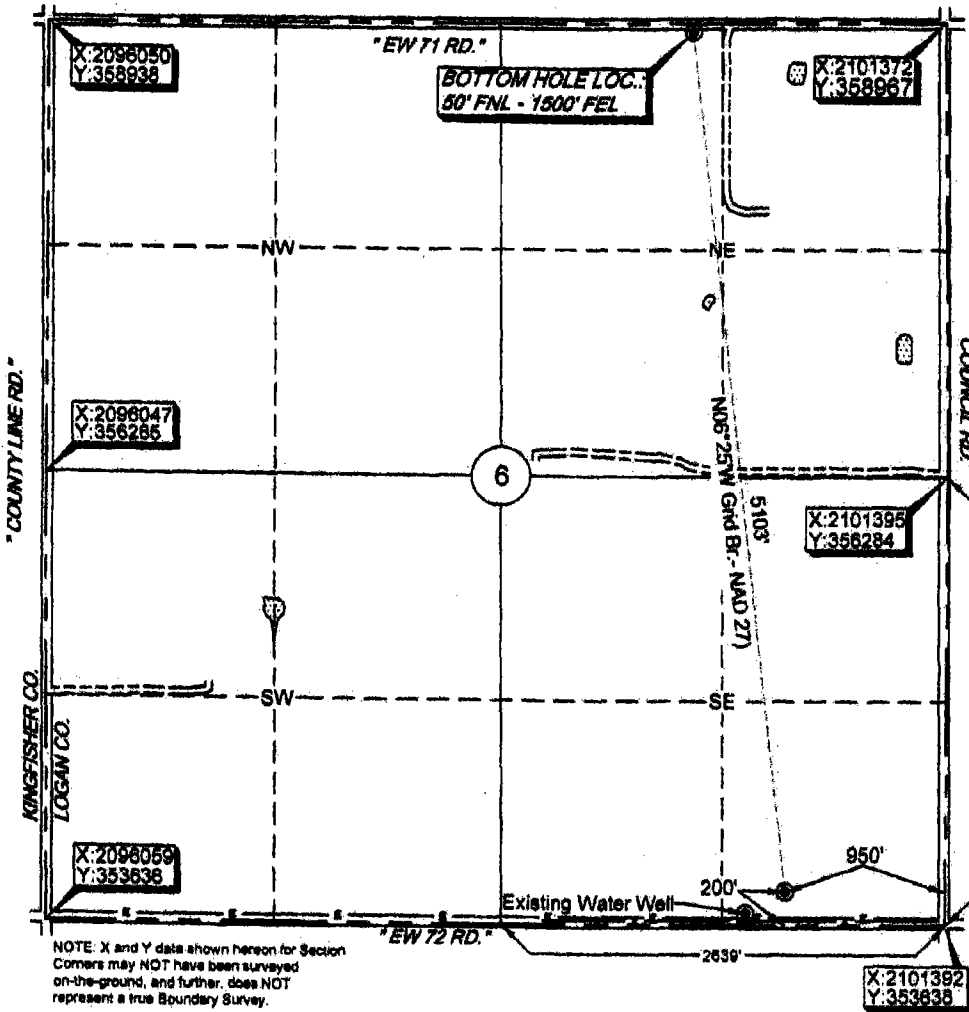
Accessibility: From the East.
 Directions: From the intersection of State Highway 74c & State Highway 74, in Crescent, OK, go 1.0 mile North, then 4.0 miles West on "EW 72 Road" to the Southeast Corner of Section 6-17N-4W.

GPS DATUM
 NAD - 27
 OK NORTH ZONE

Surface Hole Loc.:
 Lat: 35°58'17.69"N
 Lon: 97°39'38.04"W
 X: 2100442
 Y: 353838

Bottom Hole Loc.:
 Lat: 35°59'07.86"N
 Lon: 97°39'44.78"W
 X: 2099872
 Y: 356909

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.



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 inconsistency is determined. GPS data is observed 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 #4544
 Date Staked: 04/23/14 By: J.W.
 Date Drawn: 04/24/14 By: E.D.

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.

St. Drannon 4/25/14
 STAN DRANNON OK LPLS 1672

