

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

API NUMBER: 129 23995

Approval Date: 09/05/2014

Expiration Date: 03/05/2015

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 15 Twp: 15N Rge: 26W

County: ROGER MILLS

SPOT LOCATION: ☐ SW ☐ SW ☐ SE ☐ SE

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 250 1100

Lease Name: EARLE 15-15-26

Well No: 2H

Well will be 250 feet from nearest unit or lease boundary.

Operator APACHE CORPORATION
Name:

Telephone: 9184914900; 9184914

OTC/OCC Number: 6778 0

APACHE CORPORATION
6120 S YALE AVE STE 1500
TULSA, OK 74136-4224

WILTON EARLE AND SONS
531 4TH AVE W
CRAIG CO 81625

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

Name	Depth	Name	Depth
1 CLEVELAND	10110	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 135140

Location Exception Orders: 629517

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 14700

Ground Elevation: 2330

Surface Casing: 570

Depth to base of Treatable Water-Bearing FM: 470

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: No

PIT 1 INFORMATION

Approved Method for disposal of Drilling Fluids:

Type of Pit System: ON SITE

A. Evaporation/dewater and backfilling of reserve pit.

Type of Mud System: WATER BASED

D. One time land application -- (REQUIRES PERMIT)

PERMIT NO: 14-28167

Chlorides Max: 8000 Average: 5000

H. SEE MEMO

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 BED AQUIFER

Pit Location Formation: OGALLALA

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.

PIT 2 INFORMATION

Type of Pit System: ON SITE

Type of Mud System: OIL BASED

Chlorides Max: 300000 Average: 200000

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: 3

Liner required for Category: 3

Pit Location is BED AQUIFER

Pit Location Formation: OGALLALA

HORIZONTAL HOLE 1

Sec 15 Twp 15N Rge 26W County ROGER MILLS

Spot Location of End Point: W2 NW NE NE

Feet From: NORTH 1/4 Section Line: 330

Feet From: EAST 1/4 Section Line: 1100

Depth of Deviation: 9537

Radius of Turn: 573

Direction: 1

Total Length: 4643

Measured Total Depth: 14700

True Vertical Depth: 10110

End Point Location from Lease,
Unit, or Property Line: 330

Notes:

Category

Description

LOCATION EXCEPTION - 629517

9/4/2014 - G72 - 15-15N-26W (I.O.)
X 135140 CLVD AND/OR MRMN,
SHL NCT 250 FSL NCT 1100 FEL,
COMP INT. NCT 300 FSL NCT 300 FNL NCT 1000 FEL,
APACHE CORPORATION,
8/21/2014

MEMO

8/19/2014 - G71 - PITS 1 & 2 - CONCRETE LINED PIT PER OPERATOR REQUEST, PIT 2 - OBM
RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

SPACING - 135140

9/4/2014 - G72 - (640) 15-15N-26W
EXT 100037 CLVD
EST OTHERS

WATERSHED STRUCTURE

8/19/2014 - G71 - WELL WITHIN 1/2 MILE OF AN OKLAHOMA CONSERVATION COMMISSION
WATERSHED STRUCTURE. CONTACT THE LOCAL CONSERVATION DISTRICT OFFICE AT (580)
497-3413 PRIOR TO DRILLING

This permit does not address the right of entry or settlement of surface damages.

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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.

129 23995 EARLE 15-15-26 2H

Well Location Plat

Sec. 15-15N-26W I.M.

129-23995

Operator: APACHE CORPORATION

Lease Name and No. : EARLE 15-15-26 2H

Footage : 250' FSL - 1100' FEL GR. ELEVATION : 2330' (NAVD 88) Good Site? YES

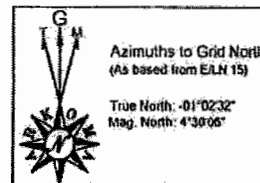
Section: 15 Township: 15N Range: 26W I.M.

County : Roger Mills State of Oklahoma

Terrain at Loc. : Location fell in pasture

Accessibility : From the East.

Directions : From the intersection of State Hwy. 33 & State Hwy. 30; Thence South on Hwy 30 ±3 mile to "EW 86 RD." Then 1.0 mile West on "EW 86 RD." arriving at the Southeast Corner of Section 15-15N-26W.

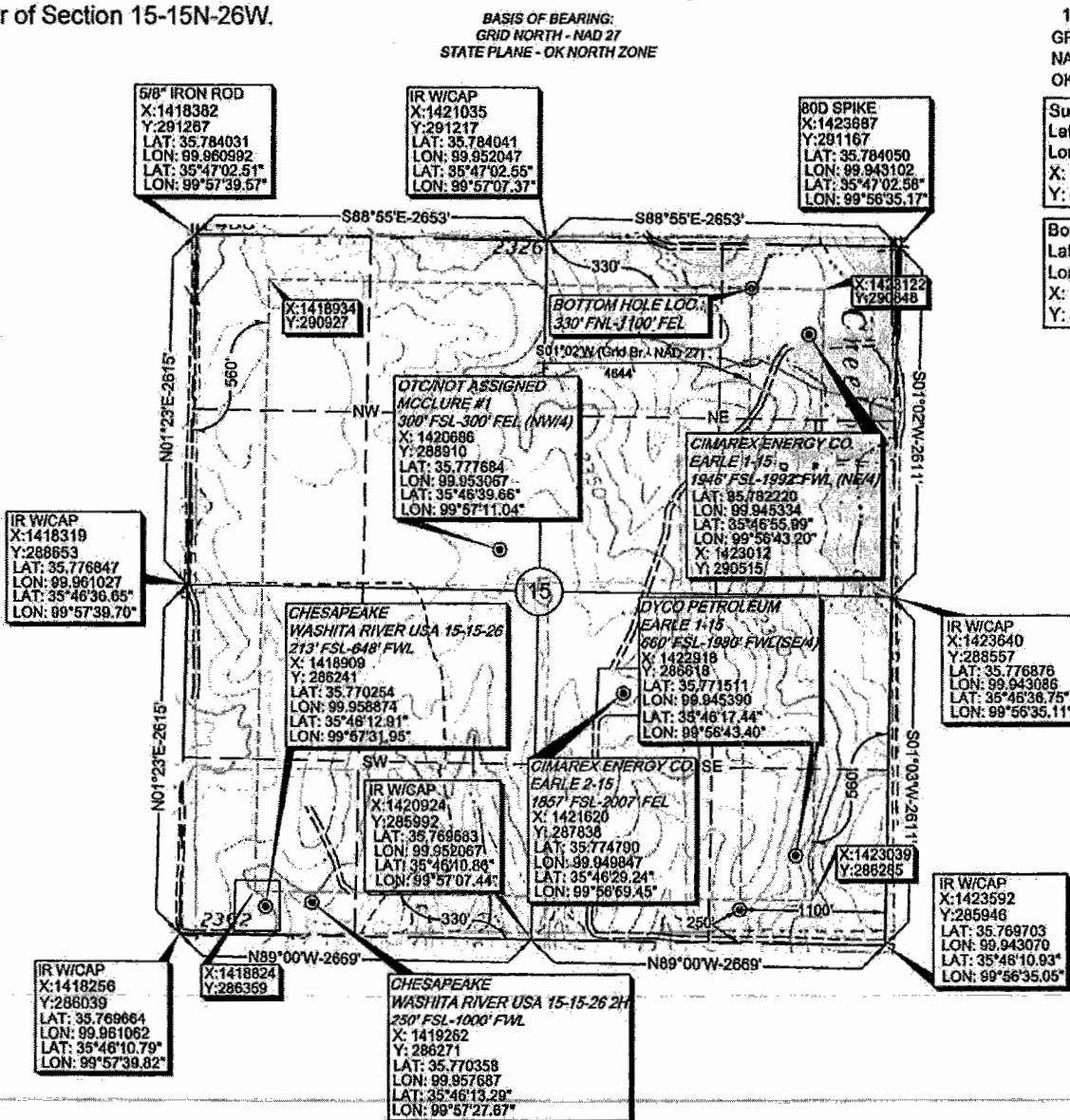


1"=1320'
GPS DATUM
NAD 27
OK NORTH ZONE

Surface Hole Loc.:
Lat: 35.77038231
Lon: -99.94677920
X: 1422497
Y: 286215

Bottom Hole Loc.:
Lat: 35.78313972
Lon: -99.94680884
X: 1422582
Y: 290858

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 inaccuracy is determined. GPS data is obtained from RTK-GPS.



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.

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.

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 #4415
Date Staked : 3/05/14 By : R.L.
Date Drawn : 03/06/14 By : E.D.

BASIS OF ELEVATION:
Topo Elev.=2362' @
SW Cor. Section 15, T15N-R26W
Tied with
Topo Elev.=2366' @
NE Cor. Section 11, T15N-R25W

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 7/07/14
STAN DRANNON OK LPLS 1672

