

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

API NUMBER: 039 22444

Approval Date: 09/10/2014
Expiration Date: 03/10/2015

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 34 Twp: 12N Rge: 20W County: CUSTER
SPOT LOCATION: SE SE SW SW FEET FROM QUARTER: FROM SOUTH FROM WEST
SECTION LINES: 250 1035

Lease Name: RYAN ELLIOT 34-12-20 Well No: 5H Well will be 250 feet from nearest unit or lease boundary.

Operator Name: APACHE CORPORATION Telephone: 9184914900; 9184914 OTC/OCC Number: 6778 0

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

SHERRY K ELDER
3307 E. 67TH PL
TULSA OK 74136

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

Name	Depth	Name	Depth
1 HOXBAR	10050	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 130975

Location Exception Orders: 625843

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 14900

Ground Elevation: 1913

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 630

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: 25000 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: 1B

Liner required for Category: 1B

Pit Location is OTHER HSA

Pit Location Formation: DOXEY

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

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

PERMIT NO: 14-27675

H. SEE MEMO

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 OTHER HSA
Pit Location Formation: DOXEY

HORIZONTAL HOLE 1

Sec 34 Twp 12N Rge 20W County CUSTER
Spot Location of End Point: N2 N2 NW NW
Feet From: NORTH 1/4 Section Line: 200
Feet From: WEST 1/4 Section Line: 660
Depth of Deviation: 9532
Radius of Turn: 573
Direction: 356
Total Length: 4855
Measured Total Depth: 14900
True Vertical Depth: 10075
End Point Location from Lease,
Unit, or Property Line: 200

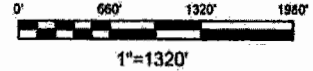
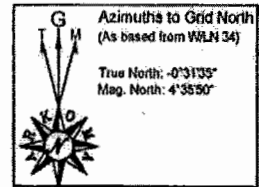
Notes:

Table with 2 columns: Category, Description. Rows include DEEP SURFACE CASING, LOCATION EXCEPTION - 625843, MEMO, and SPACING - 130975.

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.

Apache Well Location Plat 039-22444 Sec. 34-12N-20W I.M.

Operator: APACHE CORPORATION
 Lease Name and No. : RYAN ELLIOT 34-12-20 5H
 Footage : 250' FSL - 1035' FWL GR. ELEVATION : 1913' (NAVD 88) Good Site?
 YES
 Section: 34 Township: 12N Range: 20W I.M.
 County : Custer State of Oklahoma
 Alternate Loc. : N/A
 Terrain at Loc. : Stake fell in open, flat pasture, ±210' North of E-W fence, 200' East of N-S
 Lease road.
 Accessibility : From the South.
 Directions : From the Love's Gas Station on Hwy 34 in Elk City, OK. Go North on ±3.0
 miles to "EW 107 RD." then East 3.5 miles to the Southwest Corner of Section
 34-12N-20W.



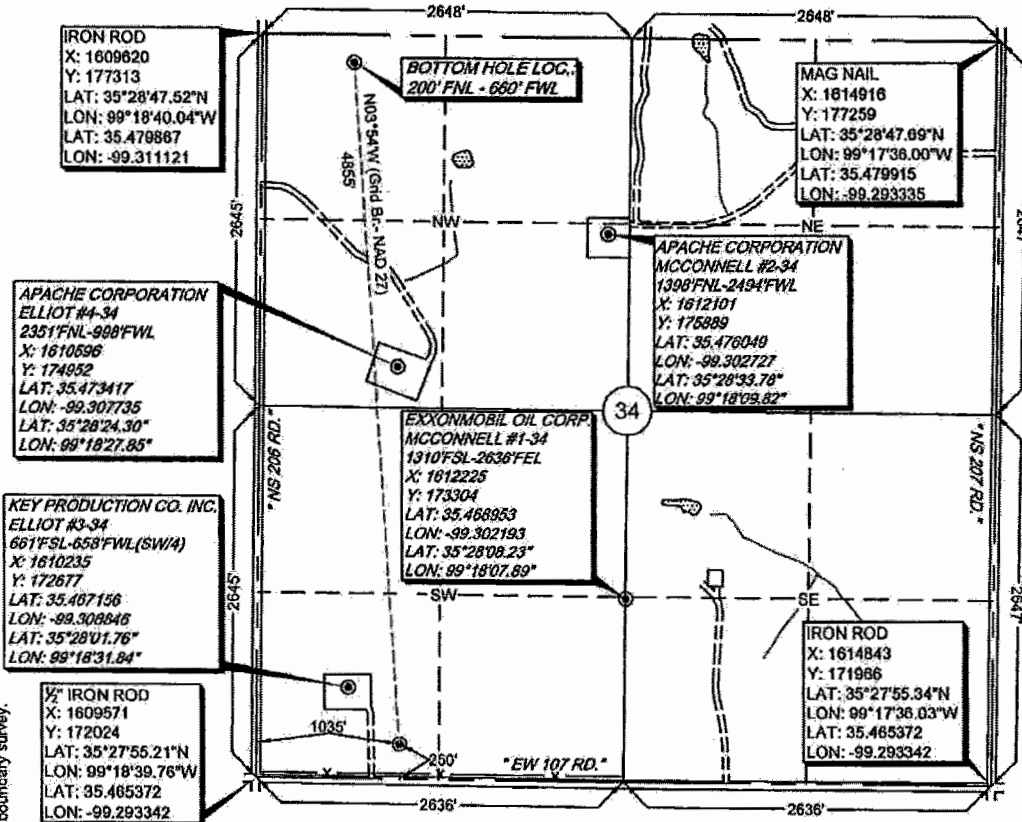
GPS DATUM
 NAD - 27
 OK NORTH ZONE

Surface Hole Loc.:
 Lat: 35°27'57.71"N
 Lon: 99°18'27.26"W
 Lat: 35.466030
 Lon: -99.307573
 X: 1610609
 Y: 172262

Bottom Hole Loc.:
 Lat: 35°28'45.56"N
 Lon: 99°18'32.05"W
 Lat: 35.479323
 Lon: -99.308902
 X: 1610278
 Y: 177106

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 Adkora Surveying and Mapping promptly if any inconsistency is determined.
 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.
 GPS data is observed from RTK - Gps.
 Inconsistency is determined.

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.



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, 2016
 Invoice #4693
 Date Staked : 06/18/14 By : C.K.
 Date Drawn : 08/20/14 By : E.D.
 Revision : 06/24/14 By : E.D.
 Rev. Lease Name : 07/10/14 By : J.H.

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 7/10/14
STAN DRANNON OK LPLS 1672

