

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

API NUMBER: 129 23955

Approval Date: 05/16/2014

Expiration Date: 11/16/2014

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 19 Twp: 16N Rge: 22W

County: ROGER MILLS

SPOT LOCATION: NW NE NW NW

FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 250 820

Lease Name: CURRIER 19-16-22

Well No: 2H

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

UNITED STATES DEPARTMENT OF THE INTERIOR
7906 EAST 33RD STREET, SUITE 101
BUREAU OF LAND MANAGEMENT/OK FIELD OFFICE
TULSA OK 74145-

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

Name	Depth	Name	Depth
1 TONKAWA	8285	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 61659

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201402836
201402837

Special Orders:

Total Depth: 13000

Ground Elevation: 1958

Surface Casing: 510

Depth to base of Treatable Water-Bearing FM: 460

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: CLOSED Closed System Means Steel Pits

Type of Mud System: WATER BASED

Chlorides Max: 8000 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 ALLUVIAL

Pit Location Formation: ALLUVIUM

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

PERMIT NO: 14-27184

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: CLOSED Closed System Means Steel Pits

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: C

Liner not required for Category: C

Pit Location is ALLUVIAL

Pit Location Formation: ALLUVIUM

HORIZONTAL HOLE 1

Sec 19 Twp 16N Rge 22W County ROGER MILLS

Spot Location of End Point: S2 S2 SW SW

Feet From: SOUTH 1/4 Section Line: 200

Feet From: WEST 1/4 Section Line: 660

Depth of Deviation: 7720

Radius of Turn: 573

Direction: 185

Total Length: -4644

Measured Total Depth: 13000

True Vertical Depth: 8330

End Point Location from Lease,
Unit, or Property Line: 200

Notes:

Category

Description

LOCATION EXCEPTION - 625342

5/16/2014 - G72 - 19-16N-22W (E.O.)
X 61659 TNKW;
SHL NCT 250 FNL NCT 700 FWL;
1ST PERF NCT 300 FNL NCT 500 FWL;
LST PER NCT 300 FSL NCT 500 FWL;
APACHE CORPORATION;
5/13/2014;

MEMO

5/14/2014 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS (REQUIRED - CANADIAN RIVER),
PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201402836

5/16/2014 - G72 - 19-16N-22W
X 61659 TNKW;
1 WELL;
NO OPER NAMED;
REC 5/13/2014 (JOHNSON)

SPACING - 61659

5/16/2014 - G72 - (640) 19-16N-22W
EST TNKW

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.

A P J, 129 23955

Well Location Plat

Sec. 19-16N-22W I.M.

Operator: APACHE CORPORATION
 Lease Name and No.: CURRIER 19-16-22 2H
 Footage: 250' FNL - 820' FWL GR. ELEVATION: 1958' Good Site? YES
 Section: 19 Township: 16N Range: 22W I.M.
 County: Roger Mills State of Oklahoma
 Alternate Loc.: N/A
 Terrain at Loc.: Location fell in open flat, sandy field.

Accessibility: From the South
 Directions: From the junction of State Highway 47 and to Highway 283 in Roll, OK, go 8 miles on Highway 47 to "NS 192 Road" go North 3.0 miles on "NS 192 Road" to lease road.



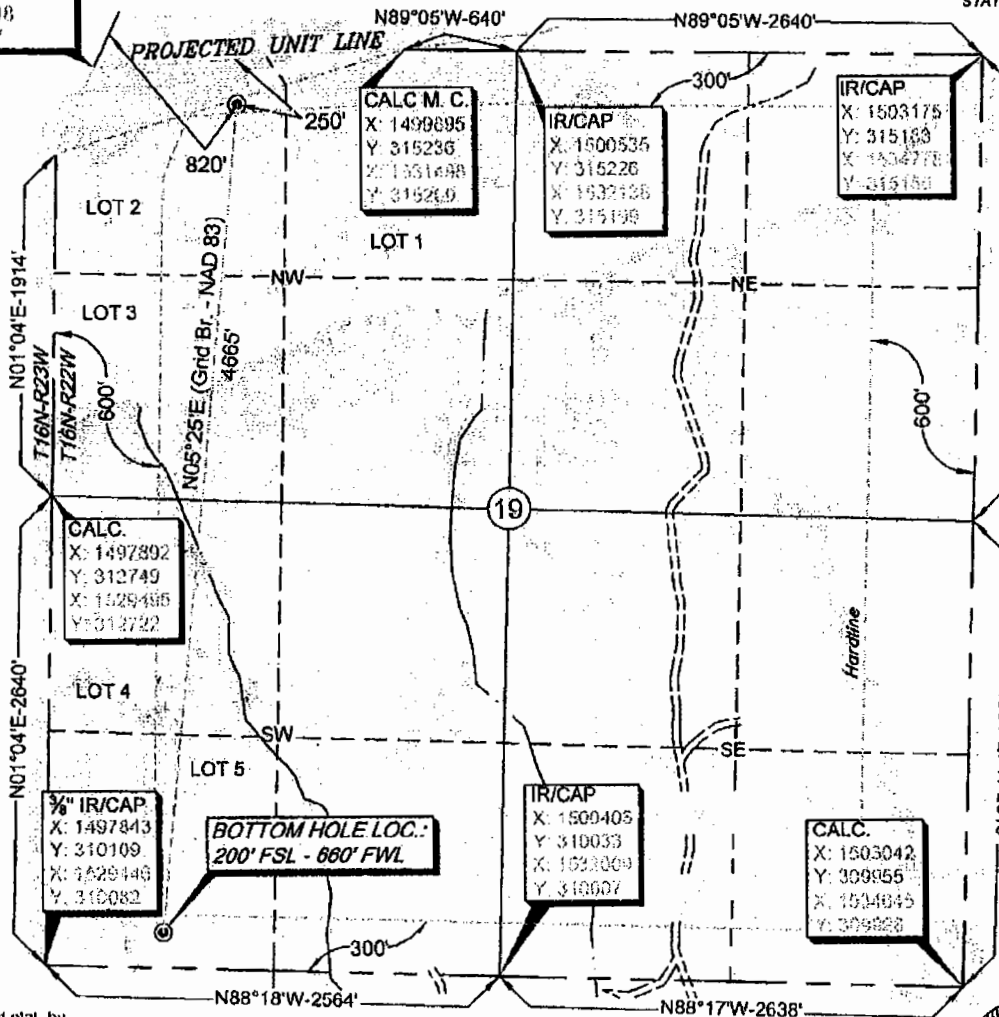
BASIS OF ELEVATION:
 BRASS CAP BENCHMARK
 Elev. = 2004'
 Near the SW Cor.
 Sec. 26-16N-23W

1"=1000'
 GPS DATUM
 NAD 83
 OK NORTH ZONE
 STATE PLANE - OK NORTH ZONE

BASIS OF BEARING:
 GRID NORTH - NAD 83
 STATE PLANE - OK NORTH ZONE

CALC UNIT COR.
 X: 1498145
 Y: 315144
 X: 1529748
 Y: 315117

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 Arkansas Surveying and Mapping promptly if any inaccuracy is determined. GPS data is observed from RTK - GPS.



- Surface Hole Loc
 Lat: 35.85463737
 Lon: 99.58456281
 X: 1498048
 Y: 314834
- Surface Hole Loc
 Lat: 35.85458053
 Lon: 99.58417559
 X: 1500551
 Y: 314907
- Bottom Hole Loc
 Lat: 35.84186011
 Lon: 99.58579542
 X: 1498507
 Y: 310290
- Bottom Hole Loc
 Lat: 35.84181333
 Lon: 99.58540948
 X: 1500110
 Y: 310303

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

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.

Invoice #3628-C
 Date Staked: 09/05/13 By: CK
 Date Drawn: 09/12/13 By: RS
 Lease Name Change: 9/20/2013 By: RS
 Add B.H.L.: 09/24/13 By: RS

Stan Drannon 9/24/13
 STAN DRANNON OK LPLS 1672

