

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

API NUMBER: 051 24192

Approval Date: 09/15/2017
Expiration Date: 03/15/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 28 Twp: 6N Rge: 6W

County: GRADY

SPOT LOCATION: SW NW NW NW

FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 366 225

Lease Name: TRUMAN 28-6-6

Well No: 5H

Well will be 225 feet from nearest unit or lease boundary.

Operator Name: APACHE CORPORATION

Telephone: 7132966000; 9184914

OTC/OCC Number: 6778 0

APACHE CORPORATION
2000 POST OAK BLVD STE 100
HOUSTON, TX 77056-4497

THE BEUTLER FAMILY REVOCABLE TRUST
2665 COUNTY STREET 2940
BLANCHARD OK 73010

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

Name	Depth	Name	Depth
1 WOODFORD	14980	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 640534

Location Exception Orders: 667464

Increased Density Orders: 656243

655926

667954

Pending CD Numbers:

Special Orders:

Total Depth: 20500

Ground Elevation: 1046

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 500

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: 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: C

Liner not required for Category: C

Pit Location is ALLUVIAL

Pit Location Formation: ALLUVIUM

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

PERMIT NO: 17-33145

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 28 Twp 6N Rge 6W County GRADY

Spot Location of End Point: SE SW SW SW

Feet From: SOUTH 1/4 Section Line: 150

Feet From: WEST 1/4 Section Line: 380

Depth of Deviation: 14718

Radius of Turn: 573

Direction: 179

Total Length: 4882

Measured Total Depth: 20500

True Vertical Depth: 15350

End Point Location from Lease,
Unit, or Property Line: 150

Notes:

Category

Description

DEEP SURFACE CASING

9/11/2017 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY FOR ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON CONDUCTOR OR SURFACE CASING

HYDRAULIC FRACTURING

9/11/2017 - G71 - OCC 165:10-3-10 REQUIRES:

1) PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS FOR HORIZONTAL WELLS, NOTICE GIVEN FIVE BUSINESS DAYS IN ADVANCE TO OFFSET OPERATORS WITH WELLS COMPLETED IN THE SAME COMMON SOURCE OF SUPPLY WITHIN 1/2 MILE;

2) WITH NOTICE ALSO GIVEN 48 HOURS IN ADVANCE OF HYDRAULIC FRACTURING ALL WELLS TO BOTH THE OCC CENTRAL OFFICE AND LOCAL DISTRICT OFFICES, USING THE "FRAC NOTICE FORM" FOUND AT THE FOLLOWING LINK: OCCEWEB.COM/OG/OGFORMS.HTML; AND,

3) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS TO BE REPORTED TO FRACFOCUS WITHIN 60 DAYS AFTER THE CONCLUSION THE HYDRAULIC FRACTURING OPERATIONS, USING THE FOLLOWING LINK: FRACFOCUS.ORG

INCREASED DENSITY - 656243

9/14/2017 - G75 - 28-6N-6W
X645034 WDFD, OTHERS **
2 WELLS
APACHE CORP.
9-21-2016

** S/B X640534 WDFD; NUNC PRO TUNC HAS BEEN PREPARED BY ATTORNEY FOR OPERATOR AND A COPY REVIEWED BY OCC

INCREASED DENSITY - 667954

9/14/2017 - G75 - EXTEND 656243 UNTI 9-21-2018

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.

Category	Description
LOCATION EXCEPTION - 655926	9/14/2017 - G75 - (I.O.) 28-6N-6W X640534 WDFD, OTHERS COMPL. INT. NCT 150' FNL, NCT 150' FSL, NCT 330' FWL APACHE CORP. 9-7-2016
LOCATION EXCEPTION - 667464	9/14/2017 - G75 - EXTEND 655926 UNTIL 9-7-2018
MEMO	9/11/2017 - G71 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS (REQUIRED - WASHITA RIVER); PIT 2 - OBM TO VENDOR, OBM CUTTINGS PER DISTRICT
SPACING - 640534	9/14/2017 - G75 - (640) 28-6N-6W EXT 627402 WDFD, OTHERS

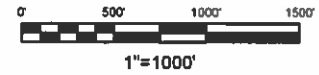
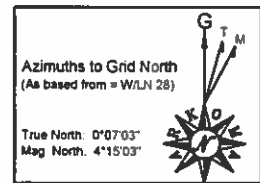
This permit does not address the right of entry or settlement of surface damages.
The duration of this permit is SIX MONTHS, except as otherwise provided by Rule 165: 10-3-1.
Rule 165: 10-3-4 (c) (7) (e) - The Operator shall give 24 Hours notice by telephone to the appropriate District
Office of the Conservation Division as to when Surface Casing will be run.

Apache Well Location Plat

Sec. 28-6N-6W I.M.

Operator : APACHE CORPORATION
 Lease Name and No. : TRUMAN 28-6-6 5H
 Footage : 366' FNL - 225' FWL GR. ELEVATION : 1046' (NAVD 88) Good Site? YES
 Section : 28 Township : 6N Range : 6W I.M.
 County : Grady State of Oklahoma
 Alternate Loc. : N/A
 Terrain at Loc. : Location fell in an open, flat pasture.

API 051-24192



CALC. CORNER CCR
 X: 2046005
 Y: 596120
 LAT: 34°58'16.71"N
 LON: 97°50'47.20"W
 LAT: 34.971309
 LON: -97.846445

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.

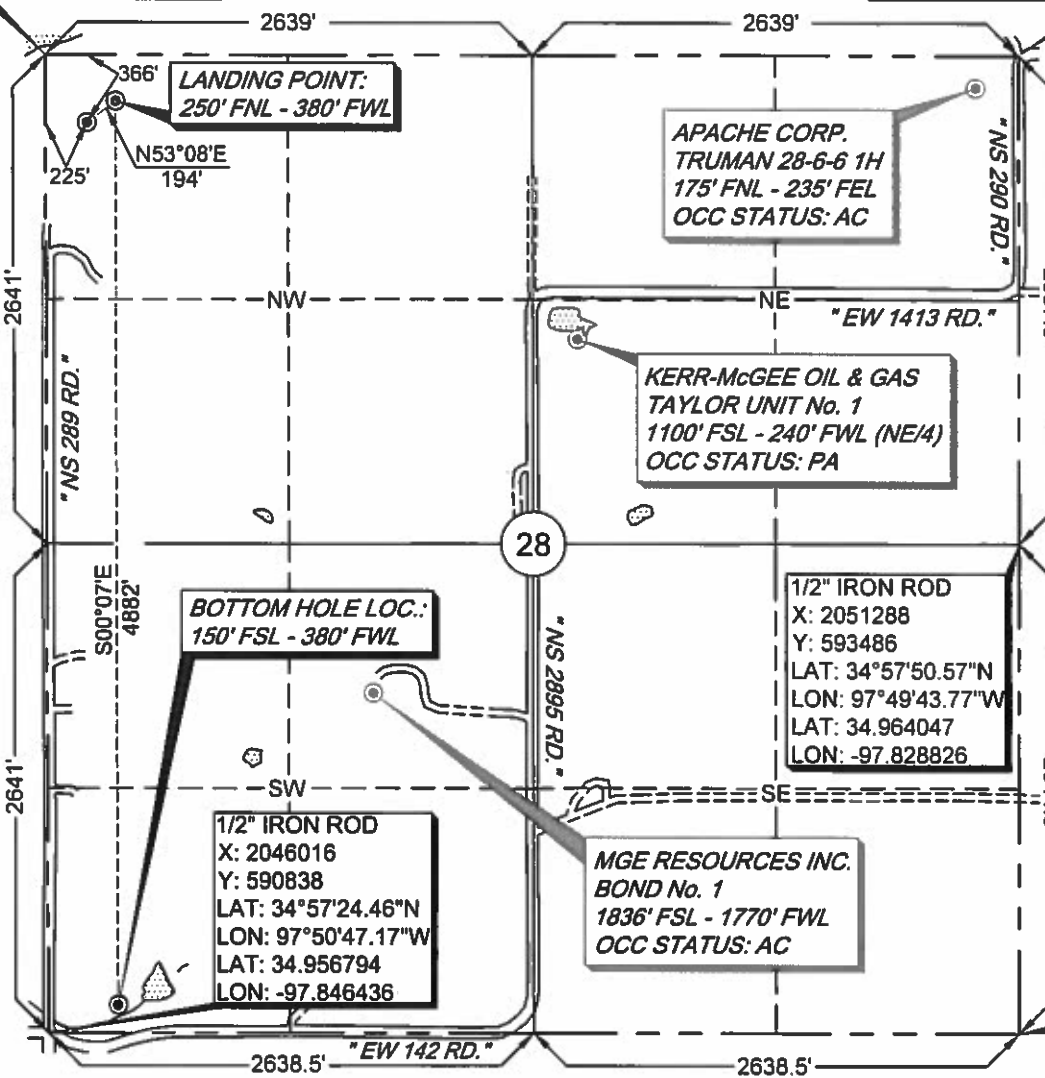
NOTE X and Y data shown hereon for Section Corners may NOT have been surveyed on-the-ground, and further, does NOT represent a true Boundary Survey.

ANTI-COLLISION DATA SHOWN HEREON:
 BLUE BOX: FOUND AND SHOT ON GROUND

CALC. CORNER CCR
 X: 2051283
 Y: 596123
 LAT: 34°58'16.66"N
 LON: 97°49'43.78"W
 LAT: 34.971293
 LON: -97.828828

GPS DATUM
 NAD - 27
 OK SOUTH 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.



Surface Hole Loc.:
 Lat: 34°58'13.09"N
 Lon: 97°50'44.50"W
 Lat: 34.970301
 Lon: -97.845695
 X: 2046230
 Y: 595754

Landing Point:
 Lat: 34°58'14.23"N
 Lon: 97°50'42.64"W
 Lat: 34.970621
 Lon: -97.845176
 X: 2046386
 Y: 595870

Bottom Hole Loc.:
 Lat: 34°57'25.94"N
 Lon: 97°50'42.60"W
 Lat: 34.957206
 Lon: -97.845168
 X: 2046396
 Y: 590988

CALC. CORNER CCR
 X: 2051291
 Y: 590842
 LAT: 34°57'24.42"N
 LON: 97°49'43.79"W
 LAT: 34.956782
 LON: -97.828832

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, 2018
 Invoice #6098-A-B
 Date Staked : 07/21/17 By : J.L.
 Date Drawn : 07/25/17 By : P.B.
 Revise Azimuth Box : 07/27/17 By : L.M.
 Revised SHL Coordinates : 08/10/17 By : R.S.

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.

Lance G. Mathis
 LANCE G. MATHIS 8/10/17
 OK LPLS 1664

