

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

API NUMBER: 051 24015 C

Approval Date: 01/15/2016
Expiration Date: 07/15/2016

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 21 Twp: 6N Rge: 6W County: GRADY
SPOT LOCATION: NE SW SW SE FEET FROM QUARTER: FROM SOUTH FROM EAST
SECTION LINES: 441 2238

Lease Name: TRUMAN 28-6-6 Well No: 2H Well will be 441 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

MELFORD L. AND MARGARET L. SCOTT REVOCABLE TRUST
271 US HIGHWAY 277
CEMENT OK 73017

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	14610	6	
2 WOODFORD	14719	7	
3 HUNTON	14967	8	
4		9	
5		10	

Spacing Orders: 640534 Location Exception Orders: Increased Density Orders:
Pending CD Numbers: 201506308 Special Orders:
201506312

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: Yes

PIT 1 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits Approved Method for disposal of Drilling Fluids:
Type of Mud System: WATER BASED D. One time land application - (REQUIRES PERMIT) PERMIT NO: 16-31006
Chlorides Max: 4000 Average: 2500 H. SEE MEMO

Is depth to top of ground water greater than 1 foot below base of pit? Y

Within 1 mile of municipal water well?

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

*This record concealed
due to operator
error
SPV
4-17-2017*

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: SW SE SW SE

Feet From: SOUTH 1/4 Section Line: 150

Feet From: EAST 1/4 Section Line: 1780

Depth of Deviation: 14100

Radius of Turn: 573

Direction: 175

Total Length: 5500

Measured Total Depth: 20500

True Vertical Depth: 14967

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

Notes:

Category

Description

BOTTOM-HOLE LOCATION

1/15/2016 - G60 - 150' FSL 1780' FEL SE4 PER STAKING PLAT

DEEP SURFACE CASING

1/13/2016 - G71 - APPROVED; NOTIFY OCC FIELD STAFF IMMEDIATELY OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING

HYDRAULIC FRACTURING

1/13/2016 - G71 - OCC 165:10-3-10 REQUIRES: 1) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS BE REPORTED TO FRACFOCUS USING THE FOLLOWING LINK [HTTP://FRACFOCUS.ORG/](http://fracfocus.org/) WITH NOTICE GIVEN 48 HOURS IN ADVANCE OF FRACTURING TO THE LOCAL OCC DISTRICT OFFICE; AND, 2) PRIOR TO COMMENCEMENT OF FRACTURING OPERATIONS FOR HORIZONTAL WELLS, NOTICE ALSO GIVEN FIVE BUSINESS DAYS IN ADVANCE TO OFFSET OPERATORS WITH WELLS COMPLETED IN THE SAME COMMON SOURCE OF SUPPLY WITHIN 1/2 MILE.

MEMO

1/13/2016 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS (REQUIRED - WASHITA RIVER); PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201506308

1/13/2016 - G60 - (E.O.)
X640534 MSSP, WDFD, HNTN
SHL NCT 235' FSL, NCT 1900' FEL 21-6N-6W
COMPL. INT. NCT 150' FNL, NCT 150' FSL, NCT 1780' FEL 28-6N-6W
NO OP. NAMED
REC. 1-8-16 (NORRIS)

PENDING CD - 201506312

1/13/2016 - G60 - 28-6N-6W
X640534 MSSP, WDFD, HNTN
4 WELLS
NO. OP. NAMED
HEARING 1-26-16

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.

Category	Description
SPACING - 640534	1/13/2016 - G60 - (640) 28-6N-6W EXT 627402 MSSP, WDFD, HNTN, OTHERS
SURFACE LOCATION	1/15/2016 - G60 - 441' FSL, 2238' FEL SE4 PER STAKING PLAT

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.