

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

API NUMBER: 051 24105 G

Approval Date: 02/09/2017
Expiration Date: 08/09/2017

Horizontal Hole Oil & Gas

Amend reason: UPDATE ORDERS

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 07 Twp: 7N Rge: 7W

County: GRADY

SPOT LOCATION: SE NW NW SW

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 2205 363

Lease Name: HARTLEY 7-7-7

Well No: 1HX

Well will be 363 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. & 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 WOODFORD	16000	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 644679
661445

Location Exception Orders:

Increased Density Orders: 660724

Pending CD Numbers: 201605496
201701185

Special Orders:

Total Depth: 23300

Ground Elevation: 1106

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 610

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: No

PIT 1 INFORMATION

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

Approved Method for disposal of Drilling Fluids:

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

PERMIT NO: 17-32098

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 18 Twp 7N Rge 7W 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: 440

Depth of Deviation: 15430

Radius of Turn: 573

Direction: 179

Total Length: 6970

Measured Total Depth: 23300

True Vertical Depth: 16500

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

Notes:

Category

Description

DEEP SURFACE CASING

2/16/2017 - 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

2/1/2017 - 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

INCREASED DENSITY - 660724

2/8/2017 - G75 - 7-7N-7W
X644679 WDFD
1 WELL
APACHE CORP.
2-6-2017

MEMO

2/1/2017 - G71 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 2 - OBM TO VENDOR, OBM CUTTINGS PER DISTRICT

PENDING CD - 201605496

3/6/2017 - G75 - (I.O.) 7 & 18-7N-7W
EST MULTIUNIT HORIZONTAL WELL
X644679 WDFD, OTHERS 7-7N-7W
X661445 WDFD, OTHERS 18-7N-7W
30% 7-7N-7W
70% 18-7N-7W
NO OP. NAMED
REC 1-10-2017 (LEAVITT)

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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
PENDING CD - 201701185	3/6/2017 - G75 - (E.O.) 7 & 18-7N-7W X644679 WDFD, OTHERS 7-7N-7W X661445 WDFD, OTHERS 18-7N-7W SHL (7-7N-7W) NCT 2205' FSL, NCT 350' FWL COMPL. INT. (7-7N-7W) NCT 2000' FSL, NCT 0' FSL, NCT 330' FWL COMPL. INT. (18-7N-7W) NCT 0' FNL, NCT 200' FSL, NCT 330' FWL NO OP. NAMED REC 3-3-2017 (NORRIS)
SPACING - 644679	2/8/2017 - G75 - (640) 7-7N-7W EXT 634475 WDFD, OTHERS
SPACING - 661445	3/6/2017 - G75 - (640) 18-7N-7W EXT 644679 WDFD, OTHERS

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