

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

API NUMBER: 009 21911

Approval Date: 12/04/2013
Expiration Date: 06/04/2014

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 01 Twp: 11N Rge: 21W County: BECKHAM
SPOT LOCATION: ☐ NE ☐ NE ☐ NE ☐ NW FEET FROM QUARTER: FROM NORTH FROM WEST
SECTION LINES: 230 2331

Lease Name: MUNCRIEF TRUST 1-11-21 Well No: 1H Well will be 230 feet from nearest unit or lease boundary.
Operator Name: APACHE CORPORATION Telephone: 9184914900 OTC/OCC Number: 6778 0

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

NEWELL F. WEBB TRUST
1806 WESTWOOD DRIVE
ELK CITY OK 73644

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

Name	Depth	Name	Depth
1 DES MOINES	12629	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 126115
130283

Location Exception Orders: 616907

Increased Density Orders:

Pending CD Numbers: 201305850

Special Orders:

Total Depth: 18000

Ground Elevation: 2026

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 340

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 BED AQUIFER

Pit Location Formation: ELK CITY

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

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

PERMIT NO: 13-24123

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 BED AQUIFER

Pit Location Formation: ELK CITY

HORIZONTAL HOLE 1

Sec 01 Twp 11N Rge 21W County BECKHAM

Spot Location of End Point: S2 S2 S2 S2

Feet From: SOUTH 1/4 Section Line: 200

Feet From: EAST 1/4 Section Line: 2640

Depth of Deviation: 11951

Radius of Turn: 573

Direction: 357

Total Length: 4931

Measured Total Depth: 18000

True Vertical Depth: 12841

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

Notes:

Category

Description

DEEP SURFACE CASING

8/30/2013 - G71 - APPROVED CONTINGENT ON NOTIFYING OCC FIELD STAFF IMMEDIATELY OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING

LOCATION EXCEPTION - 616907

12/4/2013 - G30 - (I.O.) 1-11N-21W
X126115 DSMN
SHL NCT 10 FNL, NCT 10 FEL**
1ST PERF NCT 300 FSL, NCT 1320 FEL, NCT 1980 FWL
LAST PERF NCT 300 FNL, NCT 1320 FEL, NCT 1980 FWL
APACHE CORPORATION
10/11/13

**SHL TO BE CORRECTED AT HEARING FOR FINAL ORDER LOCATION EXCEPTION

MEMO

8/30/2013 - G71 - PITS 1 & 2 - CONCRETE LINED PIT PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201305850

9/18/2013 - G30 - 1-11N-21W
X130283 DSMN
2 WELLS
NO OP. NAMED
HEARING 9/24/13

SPACING - 126115

9/9/2013 - G30 - (640) 1-11N-21W
EXT 55126/62420 DSMN, OTHER
EXT OTHER
EST OTHERS

SPACING - 130283

9/9/2013 - G30 - (640) 1-11N-21W
EXT 126115 DSMN, OTHERS
EXT OTHERS

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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.

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