

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

API NUMBER: 129 24005

Approval Date: 09/22/2014

Expiration Date: 03/22/2015

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 26 Twp: 13N Rge: 25W

County: ROGER MILLS

SPOT LOCATION: ☐ NE ☐ NE ☐ NW ☐ NE

FEET FROM QUARTER: FROM NORTH FROM EAST

SECTION LINES: 250 1345

Lease Name: CHALFANT 23-13-25

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

U.S.F.S. - BLACK KETTLE NATIONAL GRASSLANDS,
ATTN: TOM SMELTZER
ROUTE 1, BOX 55B
CHEYENNE OK 73628

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

	Name	Depth	Name	Depth
1	TONKAWA	9506	6	
2			7	
3			8	
4			9	
5			10	

Spacing Orders: 188118

Location Exception Orders: 201406056

Increased Density Orders: 201406055

Pending CD Numbers:

Special Orders:

Total Depth: 15000

Ground Elevation: 2263

Surface Casing: 620

Depth to base of Treatable Water-Bearing FM: 570

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: 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: 1B

Liner required for Category: 1B

Pit Location is BED AQUIFER

Pit Location Formation: OGALLALA

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

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

PERMIT NO: 14-27019

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: OGALLALA

HORIZONTAL HOLE 1

Sec 23 Twp 13N Rge 25W County ROGER MILLS

Spot Location of End Point: C N2 N2 N2

Feet From: NORTH 1/4 Section Line: 330

Feet From: EAST 1/4 Section Line: 2640

Depth of Deviation: 9006

Radius of Turn: 700

Direction: 356

Total Length: 4894

Measured Total Depth: 15000

True Vertical Depth: 9706

End Point Location from Lease,
Unit, or Property Line: 330

Notes:

Category

Description

INCREASED DENSITY - 201406055

9/22/2014 - G91 - 23-13N-25W
X 188118 TNKW
2 WELLS
NO OP. NAMED
REC. 9-16-2014 (STUCK)

LOCATION EXCEPTION - 201406056

9/22/2014 - G91 - 23-13N-25W
X 188118 TNKW
SHL NCT 250 FNL, NCT 1345 FEL **
1ST PERF NCT 300 FSL, NCT 1320 FEL
LAST PERF NCT 300 FNL, NCT 1320 FEL OR FWL
NO OP. NAMED
REC. 9-16-2014 (STUCK)

S/B SHL 26-13N-25W; TO BE CORRECTED IN INTERIM ORDER PER OPERATOR

MEMO

9/22/2014 - G71 - PITS 1 & 2 - CONCRETE LINED PIT PER OPERATOR REQUEST, PIT 2 - OBM
RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

SPACING - 188118

9/22/2014 - G91 - (640) 23-13N-25W
EXT 110840 TNKW, 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.

129 24005 CHALFANT 23-13-25 2H

Well Location Plat

S.H.L. 26-13N-25W I.M.

B.H.L. 23-13N-25W I.M.

Operator: APACHE CORPORATION

Lease Name and No.: CHALFANT 23-13-25 2H

Footage: 250' FNL - 1345' FEL PAD ELEVATION: 2263' Good Site? YES

Section: 26 Township: 13N Range: 25W I.M.

County: Roger Mills State of Oklahoma

Terrain at Loc.: Location fell on Existing Pad, 25' West of Existing "Chalfant 1-23-I" well.

Accessibility: From the West.

Directions: From the town of Reydon, OK, Head South on State Highway 47 ±2.0 miles, road turns East, continue following for ±4 miles then turn South on "NS 176 Road" and go ±3.2 miles, go East on "EW 99 Road" ±2.0 miles to the Northeast Corner of Section 26-13N-25W.

129-24005



1"=1500'

GPS DATUM

NAD 83

OK NORTH ZONE

NAD 83

OK NORTH ZONE

BASIS OF BEARING:

GRID NORTH - NAD 83

STATE PLANE - OK NORTH ZONE

Well Hole Loc.
Lat: 36.8252419
Long: 99.8254419
X: 1423025
Y: 1104119

Corner: NW 1/4 Sec 26
Lat: 36.8254419
Long: 99.8254419
X: 1423025
Y: 1104119

Corner: SE 1/4 Sec 26
Lat: 36.8254419
Long: 99.8254419
X: 1423025
Y: 1104119

Corner: SW 1/4 Sec 26
Lat: 36.8254419
Long: 99.8254419
X: 1423025
Y: 1104119

Quarter Section corners may be assumed from a Government Survey Plat or assumed at a proportionate distance from adjoining section corners, or occupied thereof, and may not have been measured on the ground, and further, does not represent a true boundary survey.

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.

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, Inc. if any inconsistency is determined. GPS data is observed from RTK - GPS.

BASIS OF ELEVATION:

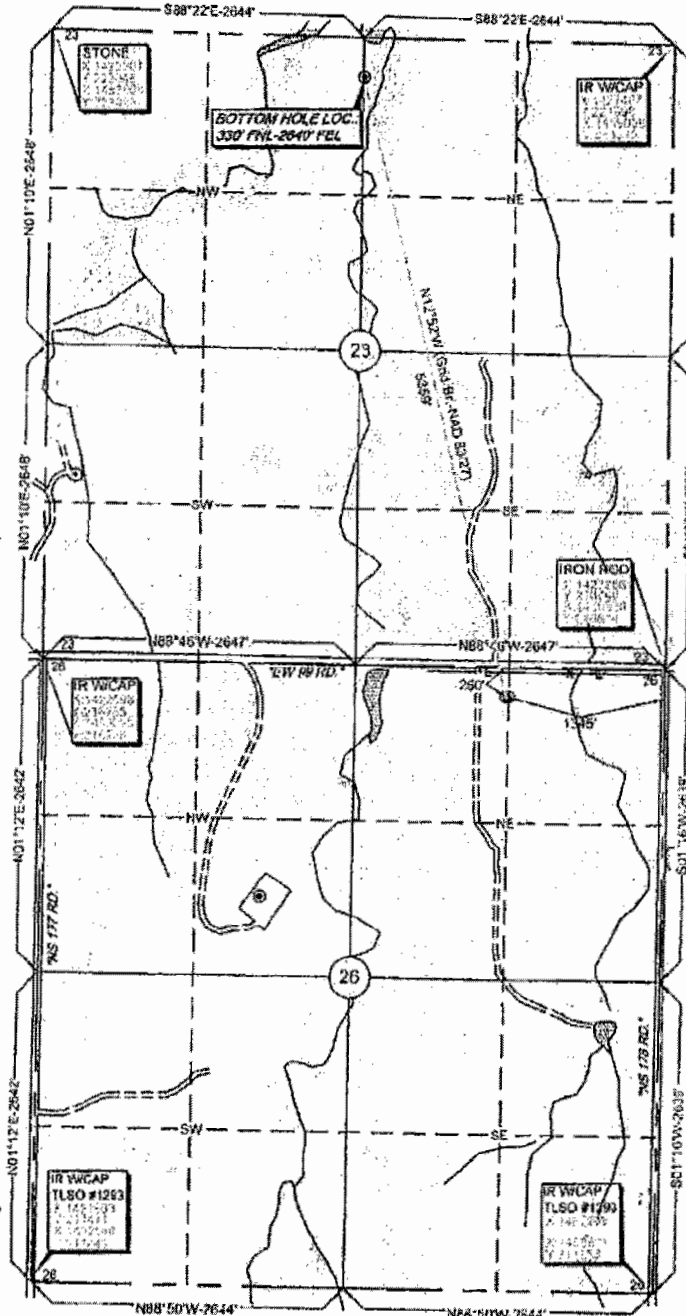
Topo Elev.=2270' @

NE Cor. Section 26, T13N-R25W

Tied with

Topo Elev.=2313' @

SW Cor. Section 27, T13N-R25W



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

Invoice #4413-B

Date Staked: 03/20/14 By: CK

Date Drawn: 03/26/14 By: ED

Add BHL: 04/04/14 By: RM

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.

Stan Drannon 4/4/14

STAN DRANNON

OK LPLS 1672

