

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

API NUMBER: 129 23952

Approval Date: 05/09/2014  
Expiration Date: 11/09/2014

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 23 Twp: 12N Rge: 23W County: ROGER MILLS  
SPOT LOCATION:  SE  SE  SW  SE FEET FROM QUARTER: FROM SOUTH FROM EAST  
SECTION LINES: 250 1535

Lease Name: JAMIE GWYN 23-12-23 Well No: 1H 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

TAYLOR REAL ESTATE PARTNERSHIP  
1207 MAYER LANE  
ELK CITY OK 73644

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

Name	Depth	Name	Depth
1 COTTAGE GROVE	10259	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 132600

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201401194

Special Orders:

Total Depth: 15000

Ground Elevation: 1986

**Surface Casing: 1500**

Depth to base of Treatable Water-Bearing FM: 800

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 OTHER HSA

Pit Location Formation: DOXEY

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

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

H. SEE MEMO

PERMIT NO: 14-27004

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 OTHER HSA
Pit Location Formation: DOXEY

HORIZONTAL HOLE 1

Sec 23 Twp 12N Rge 23W County ROGER MILLS
Spot Location of End Point: N2 N2 N2 NE
Feet From: NORTH 1/4 Section Line: 200
Feet From: EAST 1/4 Section Line: 1320
Depth of Deviation: 9723
Radius of Turn: 573
Direction: 3
Total Length: 4822
Measured Total Depth: 15000
True Vertical Depth: 10259
End Point Location from Lease,
Unit, or Property Line: 200

Notes:

Table with 2 columns: Category, Description. Rows include DEEP SURFACE CASING, LOCATION EXCEPTION - 625071, MEMO, and SPACING - 132600.

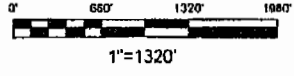
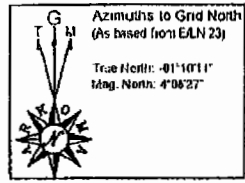
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APL 129 23952

# Well Location Plat

Sec. 23-12N-23W I.M.

Operator: APACHE CORPORATION  
 Lease Name and No.: JAMIE GWYN 23-12-23 1H  
 Footage: 250' FSL - 1535' FEL PAD ELEVATION: 1986' (NAVD 88) Good Site? YES  
 Section: 23 Township: 12N Range: 23W I.M.  
 County: Roger Mills State of Oklahoma  
 Alternate Loc.: N/A  
 Terrain at Loc.: Stake fell on pad under construction.



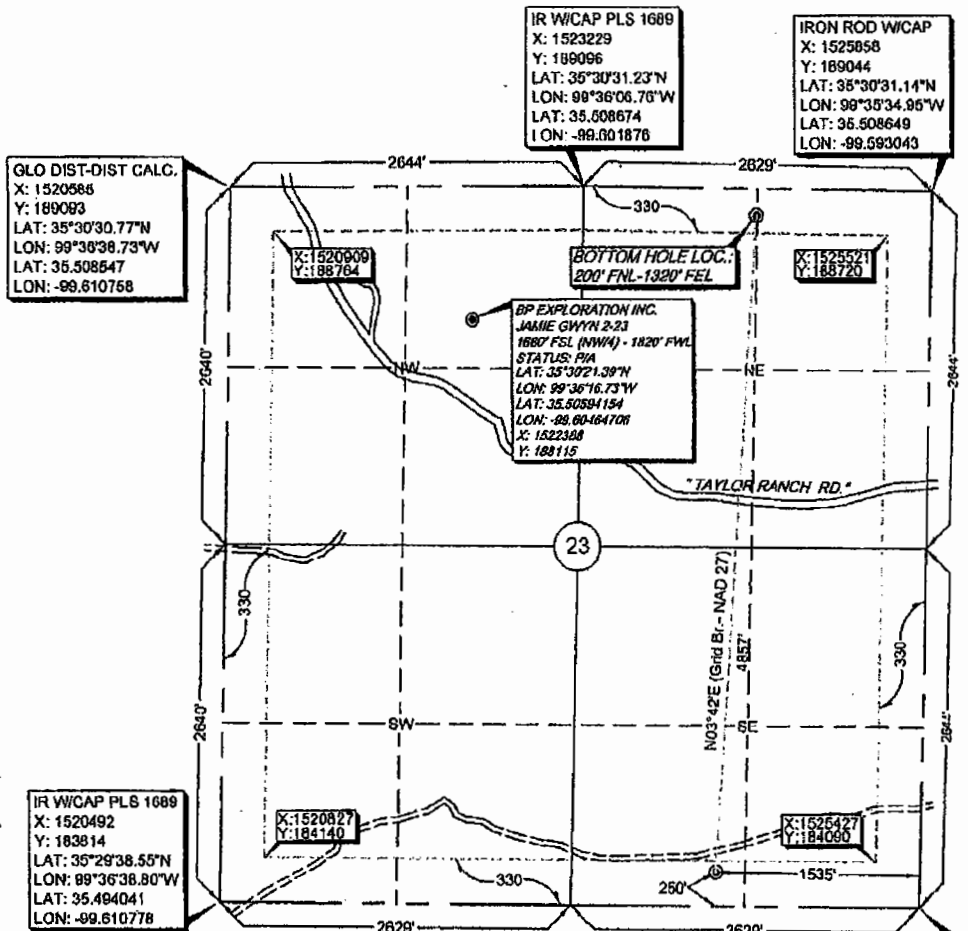
Accessibility: From the North.  
 Directions: From Cheyenne, OK. Go South on U.S. Highway 283 ±5.25 miles to "EW 102 RD." Turn East onto "EW 102 RD." Go East ±1.5 mile, then continue Southeastly on County Road, At fork keep east ±1.5 mile to the East ¼ Corner of Section 23-12N-23W.

GPS DATUM  
 NAD - 27  
 OK NORTH ZONE

Surface Hole Loc.:  
 Lat: 35°29'41.23"N  
 Lon: 99°35'53.76"W  
 Lat: 35.494786  
 Lon: -99.598267  
 X: 1524220  
 Y: 184023

Bottom Hole Loc.:  
 Lat: 35°30'29.20"N  
 Lon: 99°35'50.93"W  
 Lat: 35.508112  
 Lon: -99.597480  
 X: 1524534  
 Y: 188870

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.



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 date 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.

GLO DIST-DIST CALC.  
 X: 1520585  
 Y: 189093  
 LAT: 35°30'30.77"N  
 LON: 99°36'38.73"W  
 LAT: 35.508547  
 LON: -99.610758

IR W/CAP PLS 1689  
 X: 1523229  
 Y: 189096  
 LAT: 35°30'31.23"N  
 LON: 99°36'06.76"W  
 LAT: 35.508674  
 LON: -99.601876

IRON ROD W/CAP  
 X: 1525858  
 Y: 189044  
 LAT: 35°30'31.14"N  
 LON: 99°35'34.95"W  
 LAT: 35.508649  
 LON: -99.593043

X: 1520909  
 Y: 188784

BOTTOM HOLE LOC.:  
 200' FNL-1320' FEL

X: 1525521  
 Y: 188720

BP EXPLORATION INC.  
 JAMIE GWYN 2-23  
 1887' FSL (NHW) - 1820' FWL  
 STATUS: BIA  
 LAT: 35°30'21.39"N  
 LON: 99°36'16.73"W  
 LAT: 35.50594154  
 LON: -99.60464708  
 X: 1522388  
 Y: 188115

IR W/CAP PLS 1689  
 X: 1520492  
 Y: 183814  
 LAT: 35°29'38.55"N  
 LON: 99°36'38.80"W  
 LAT: 35.494041  
 LON: -99.610778

IRON ROD W/CAP  
 X: 1525750  
 Y: 183757  
 LAT: 35°29'38.84"N  
 LON: 99°35'35.21"W  
 LAT: 35.494122  
 LON: -99.593114

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 #4388-A  
 Date Staked: 04/09/14 By: C.K.  
 Date Drawn: 04/11/14 By: E.D.

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* 4/15/14  
 STAN DRANNON OK LPLS 1672

