

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

API NUMBER: 129 23967

Approval Date: 06/23/2014

Expiration Date: 12/23/2014

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 23 Twp: 12N Rge: 23W

County: ROGER MILLS

SPOT LOCATION: ☐ NE ☐ SW ☐ SW ☐ SW

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 415 430

Lease Name: EARLENE 23-12-23

Well No: 1H

Well will be 415 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	10324	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 132600

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201403118  
201402980

Special Orders:

Total Depth: 14900

Ground Elevation: 2046

**Surface Casing: 1500**

Depth to base of Treatable Water-Bearing FM: 820

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)

PERMIT NO: 14-27523

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 OTHER HSA

Pit Location Formation: DOXEY

HORIZONTAL HOLE 1

Sec 23 Twp 12N Rge 23W County ROGER MILLS

Spot Location of End Point: NW NE NW NW

Feet From: NORTH 1/4 Section Line: 200

Feet From: WEST 1/4 Section Line: 930

Depth of Deviation: 9787

Radius of Turn: 573

Direction: 7

Total Length: 4539

Measured Total Depth: 14900

True Vertical Depth: 10324

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

Notes:

Category

Description

DEEP SURFACE CASING

6/13/2014 - 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

MEMO

6/13/2014 - G71 - PITS 1 & 2 - CONCRETE LINED PIT PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201402980

6/23/2014 - G72 - 23-12N-23W (I.O.)  
X 132600 CGGV;  
SHL NCT 10 FSL NCT 10 FWL;  
COMP INT. NCT 300 FSL NCT 300 FNL NCT 500 FWL;  
NO OPER NAMED;  
REC 5/20/2014 (MCKEOWN)

PENDING CD - 201403118

6/23/2014 - G72 - 23-12N-23W  
X 132600 CGGV;  
1 WELL;  
NO OPER NAMED;  
REC 5/20/2014 (MCKEOWN)

SPACING - 132600

6/23/2014 - G72 - (640) 23-12N-23W  
EXT 119498 CGGV, OTHERS

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129 23967 EARLENE 23-12-23 1H

HPI 129 23967

# Well Location Plat

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

Operator: APACHE CORPORATION

Lease Name and No.: EARLENE 23-12-23 1H

Footage: 415' FSL - 430' FWL GR. ELEVATION: 2046' (NAVD 88) Good Site? YES

Section: 23 Township: 12N Range: 23W I.M.

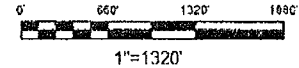
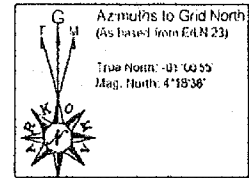
County: Roger Mills State of Oklahoma

Alternate Loc.: N/A

Terrain at Loc.: Stake fell in open sloping pasture.

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 Southeasterly on County Road. At fork keep east ±1.5 mile to the East ¼ Corner of Section 23-12N-23W.

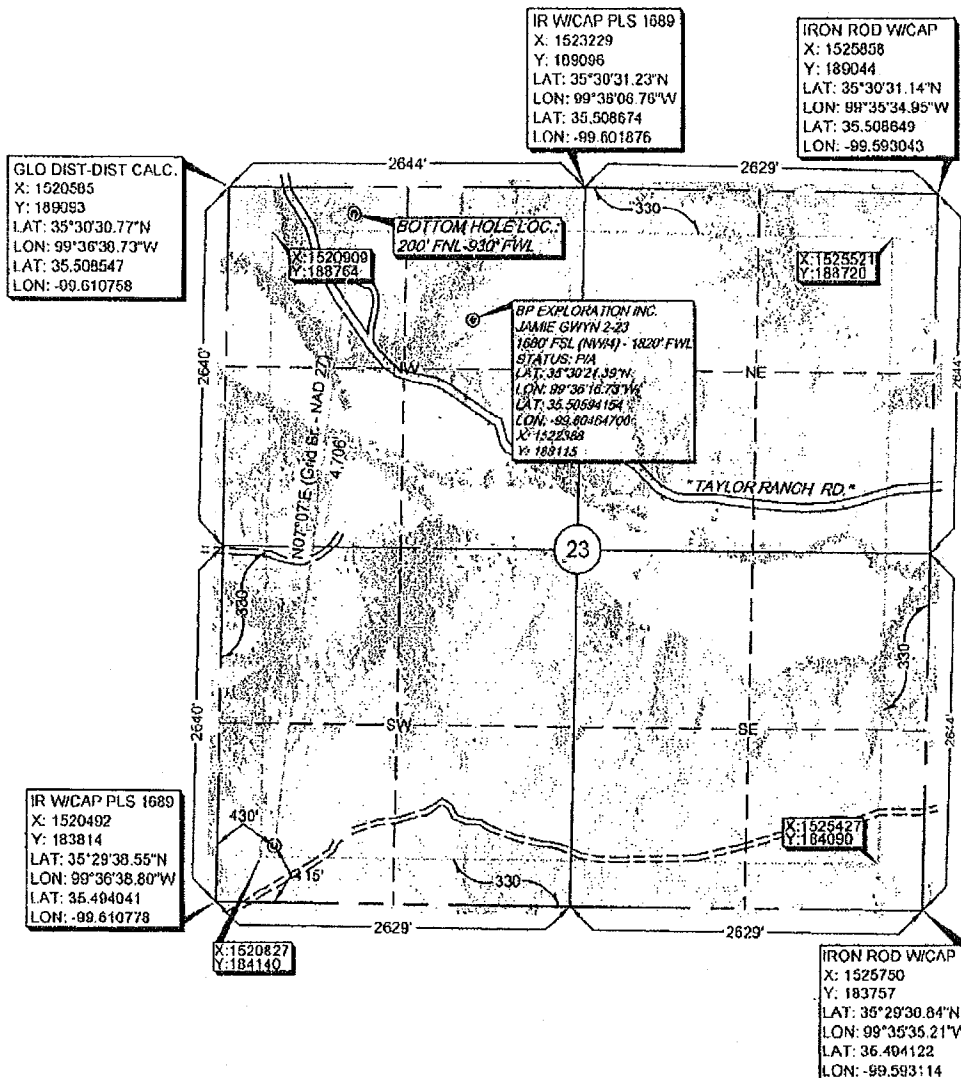


GPS DATUM  
NAD - 27  
OK NORTH ZONE

Surface Hole Loc.:  
Lat: 35°29'42.68"N  
Lon: 99°36'33.59"W  
Lat: 35.495188  
Lon: -99.609332  
X: 1520929  
Y: 1842224

Bottom Hole Loc.:  
Lat: 35°30'28.95"N  
Lon: 99°36'27.48"W  
Lat: 35.508042  
Lon: -99.607634  
X: 1521512  
Y: 188894

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 data 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.



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.

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 #4498

Date Staked: 04/09/14 By: C.K.

Date Drawn: 04/11/14 By: E.D.

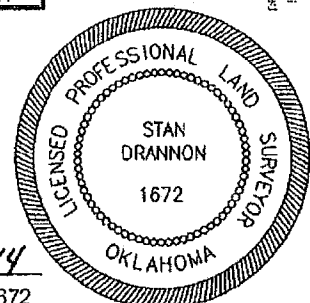
Add B.H.L.: 04/15/14 By: E.D.

Rev. B.H.L.: 04/16/14 By: R.S.

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* 4/16/14  
STAN DRANNON OK LPLS 1672



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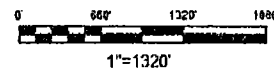
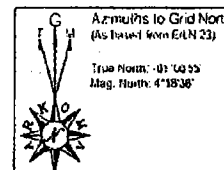
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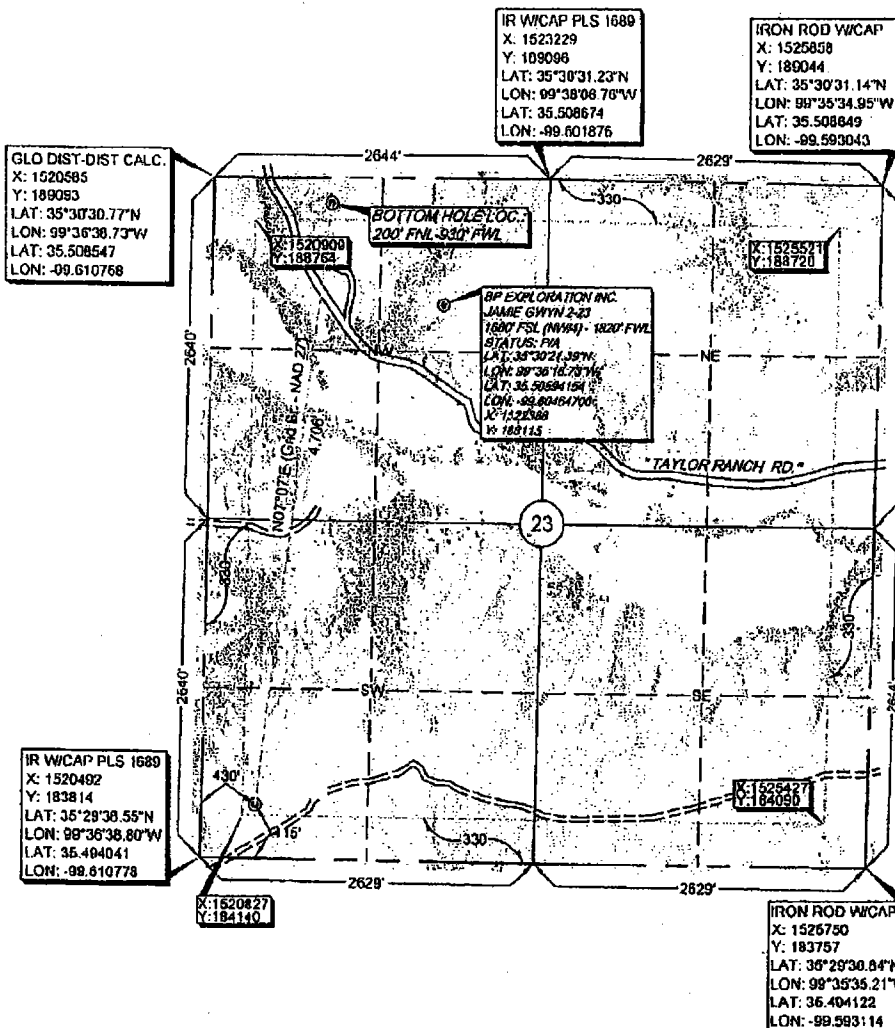


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*Stan Drannon* 4/16/14  
STAN DRANNON OK LPLS 1672

