

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

API NUMBER: 125 23844

Approval Date: 03/31/2014

Expiration Date: 09/30/2014

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 13 Twp: 8N Rge: 4E

County: POTTAWATOMIE

SPOT LOCATION:

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 165 2440

Lease Name: SPS

Well No: 1-13H

Well will be 165 feet from nearest unit or lease boundary.

Operator Name: GILLHAM PAUL OIL COMPANY

Telephone: 4059975780

OTC/OCC Number: 18920 0

GILLHAM PAUL OIL COMPANY
PO BOX 699

MAUD, OK 74854-0699

KEVIN JETT
P.O. BOX 518
MAUD OK 74802

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

	Name	Depth	Name	Depth
1	MAYES	3975	6	
2	WOODFORD	4075	7	
3	MISENER-HUNTON	4215	8	
4	VIOLA	4375	9	
5			10	

Spacing Orders: 622053

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 6689

Ground Elevation: 1053

Surface Casing: 420

Depth to base of Treatable Water-Bearing FM: 370

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: Yes

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: OSCAR

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

E. Haul to Commercial pit facility: Sec. 19 Twn. 8N Rng. 5E Cnty. 125 Order No: 274874

H. SOIL COMPACTED PIT, NOTIFY DISTRICT PRIOR TO TESTING SOIL PIT LINER

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.

HORIZONTAL HOLE 1

Sec 13 Twp 8N Rge 4E County POTTAWATOMIE

Spot Location of End Point: C NE NE

Feet From: SOUTH 1/4 Section Line: 1980

Feet From: WEST 1/4 Section Line: 1980

Depth of Deviation: 3481

Radius of Turn: 798

Direction: 50

Total Length: 1954

Measured Total Depth: 6689

True Vertical Depth: 4375

End Point Location from Lease,
Unit, or Property Line: 660

Notes:

Category

Description

POINT OF ENTRY

3/31/2014 - G75 - GREATER THAN 660' FB OF SPACING UNIT FOR ALL FORMATIONS PER OPERATOR

SPACING - 622053

3/31/2014 - G75 - (480)(HOR) E2 & NW4 13-8N-4E
VAC 234245 MSRH, VIOL, OTHER
VAC 232125 MSRH, VIOL, OTHERS
EST MYES, WDFD, MSRH, VIOL, OTHERS
POE TO BHL (WDFD) NCT 330' FB
POE TO BHL (OTHERS) NCT 660' FB