

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

AP NUMBER: 083 24341

Approval Date: 10/17/2014
Expiration Date: 04/17/2015

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 36 Twp: 20N Rge: 4W

County: LOGAN

SPOT LOCATION: ☐ SW ☐ SE ☐ SW ☐ SW

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 200 925

Lease Name: VOGEL

Well No: 1-36H

Well will be 200 feet from nearest unit or lease boundary.

Operator Name: STEPHENS PRODUCTION CO

Telephone: 4797834191

OTC/OCC Number: 23030 0

STEPHENS PRODUCTION CO

PO BOX 2407

FORT SMITH, AR 72902-2407

NORMA G. VOGEL

2219 E. 181 STREET SOUTH

MOUNDS OK 74047

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	5400	6	
2 WOODFORD	5800	7	
3		8	
4		9	
5		10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201405657
201406445

Special Orders:

Total Depth: 10900

Ground Elevation: 1048

Surface Casing: 650

Depth to base of Treatable Water-Bearing FM: 200

Under Federal Jurisdiction: No

From 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: 5000 Average: 3000

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: 2

Liner not required for Category: 2

Pit Location is BED AQUIFER

Pit Location Formation: GARBER

Approved Method for Disposal of Drilling Fluids:

A. Evaporation/dewatering and backfilling of reserve pit.

Cancel Per
Operator Request
H.W. 2/3/2015

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 36 Twp 20N Rge 4W County GARFIELD

Spot Location of End Point: NW NE NW NW

Feet From: NORTH 1/4 Section Line: 50

Feet From: WEST 1/4 Section Line: 900

Depth of Deviation: 5000

Radius of Turn: 700

Direction: 359

Total Length: 4800

Measured Total Depth: 10900

True Vertical Depth: 5800

End Point Location from Lease,

Unit, or Property Line: 50

Notes:

Category

Description

DEEP SURFACE CASING

9/26/2014 - G76 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY FOR ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON CONDUCTOR OR SURFACE CASING

PENDING CD - 201406445

10/17/2014 - G75 - (I.O.) 36-20N-4W
X201405657 MSSP, WDFD
COMPL. INT. NCT 150 FSL, NCT 150 FNL, NCT 660 FWL
NO OP. NAMED
REC 10-16-2014 (P. PORTER)

SPACING - 201405657

10/17/2014 - G75 - (640)(HOR) 36-20N-4W
VAC 184305 MNNG, WDFD
VAC 187835 MNNG, WDFD
EXT 610180 MSSP, WDFD
(COEXIST SP. ORDER # 184305 MSSLM NE4 & SP. ORDER # 187835 MSSLM NW4 & MSSLM SE4 LEASE BASIS)
REC 10-16-2014 (P. PORTER)

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