

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

API NUMBER: 047 24951

Approval Date: 10/17/2014

Expiration Date: 04/17/2015

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 22 Twp: 20N Rge: 3W

County: GARFIELD

SPOT LOCATION:

FEET FROM QUARTER: FROM NORTH FROM EAST

SECTION LINES: 220 220

Lease Name: SEG RIFF RAFF

Well No: 1-22H

Well will be 220 feet from nearest unit or lease boundary.

Operator Name: STEPHENS ENERGY GROUP LLC

Telephone: 4797834191

OTC/OCC Number: 23535 0

STEPHENS ENERGY GROUP LLC
PO BOX 8105
FORT SMITH, AR 72902-8105

GARY KOCH & GLORIA KOCH
P.O. BOX 36
ORLANDO OK 73073

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	5300	6	
2	WOODFORD	5700	7	
3	HUNTON	5800	8	
4			9	
5			10	

Spacing Orders: 624352

Location Exception Orders: 625404

Increased Density Orders:

Pending CD Numbers: 201407320

Special Orders:

Total Depth: 10800

Ground Elevation: 1138

Surface Casing: 650

Depth to base of Treatable Water-Bearing FM: 270

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: No

PIT 1 INFORMATION

Approved Method for disposal of Drilling Fluids:

Type of Pit System: ON SITE

A. Evaporation/dewater and backfilling of reserve pit.

Type of Mud System: WATER BASED

Chlorides Max: 3000 Average: 2000

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

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 22 Twp 20N Rge 3W County GARFIELD

Spot Location of End Point: SE SW SE SE

Feet From: SOUTH 1/4 Section Line: 100

Feet From: EAST 1/4 Section Line: 900

Depth of Deviation: 4900

Radius of Turn: 700

Direction: 190

Total Length: 4800

Measured Total Depth: 10800

True Vertical Depth: 5800

End Point Location from Lease,

Unit, or Property Line: 100

Notes:

Category

Description

DEEP SURFACE CASING

10/15/2014 - G76 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY FOR ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON CONDUCTOR OR SURFACE CASING

LOCATION EXCEPTION - 625404

10/17/2014 - G75 - (I.O.) 22-20N-3W
X624352 MSSP, WDFD, HNTN
COMPL. INT. NCT 200 FNL, NCT 200 FSL, NCT 330 FEL
SLAWSON EXPLOR. CO., INC.
5-14-2014

PENDING CD - 201407320

10/17/2014 - G75 - X625404 CHANGE OP. TO STEPHENS ENERGY GROUP, LLC
HEARING 10-21-2014 (OK'D PER MCCOY)

SPACING - 624352

10/17/2014 - G75 - (640) 22-20N-3W
VAC 57194 MSSLM N2, SW4, W2 SE4
VAC 117939 OSGE
EXT 618806 MSSP, WDFD, HNTN
POE TO BHL (MSSP, HNTN) NCT 660' FB
POE TO BHL (WDFD) NCT 330' FB
(COEXIST SP. ORDER # 57194 MSSLM E2 SE4)

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047 24951 SEG RIFF RAFF 1-22H