

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

API NUMBER: 137 27193

Approval Date: 04/01/2014

Expiration Date: 10/01/2014

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 23 Twp: 2N Rge: 4W

County: STEPHENS

SPOT LOCATION: ☐ SE ☐ SE ☐ SW ☐ SE FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 300 1510

Lease Name: BOLES

Well No: 2H-14X

Well will be 300 feet from nearest unit or lease boundary.

Operator Name: NEWFIELD EXPLORATION MID-CON INC

Telephone: 9188781290

OTC/OCC Number: 20944 0

NEWFIELD EXPLORATION MID-CON INC
1 WILLIAMS CTR STE 1900
TULSA, OK 74172-0162

NEWFIELD EXPLORATION MID-CONTINENT INC
ONE WILLIAMS CENTER, SUITE 1900
TULSA OK 74172

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

	Name	Depth	Name	Depth
1	SYCAMORE	13488	6	
2	WOODFORD	13762	7	
3	HUNTON	13852	8	
4			9	
5			10	

Spacing Orders: 596733
603315

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201401813
201401814
201401808
201401809
201401812

Special Orders:

Total Depth: 21670

Ground Elevation: 1178

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 850

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: Yes

PIT 1 INFORMATION

Approved Method for disposal of Drilling Fluids:

Type of Pit System: CLOSED Closed System Means Steel Pits

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: C

Liner not required for Category: C

Pit Location is AP/TE DEPOSIT

Pit Location Formation: TERRACE

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

PERMIT NO: 14-26801

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: CLOSED Closed System Means Steel Pits

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: C

Liner not required for Category: C

Pit Location is AP/TE DEPOSIT

Pit Location Formation: TERRACE

HORIZONTAL HOLE 1

Sec 14 Twp 2N Rge 4W County STEPHENS

Spot Location of End Point: S2 SE SE NE

Feet From: NORTH 1/4 Section Line: 2525

Feet From: EAST 1/4 Section Line: 330

Depth of Deviation: 13620

Radius of Turn: 740

Direction: 180

Total Length: 7580

Measured Total Depth: 21670

True Vertical Depth: 13852

End Point Location from Lease,
Unit, or Property Line: 330

Notes:

Category

Description

DEEP SURFACE CASING

4/1/2014 - 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

4/1/2014 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, WBM & OBM CUTTINGS CAPTURED IN CONCRETE-LINED PIT, SOLIDIFIED, AND BURIED ON SITE; PIT 2 - OBM TO VENDOR

PENDING CD - 201401808

4/1/2014 - G30 - (E.O.) 14-2N-4W
X596733 WDFD
5 WELLS
NO OP. NAMED
REC 3/25/14 (JOHNSON)

PENDING CD - 201401809

4/1/2014 - G30 - (E.O.) 23-2N-4W X603315 WDFD
5 WELLS
NO OP. NAMED
REC 3/25/14 (JOHNSON)

PENDING CD - 201401812

4/1/2014 - G30 - 14 & 23-2N-4W
X596733 SCMR, WDFD, HNTN 14-2N-4W
X603315 SCMR, WDFD, HNTN 23-2N-4W
EST MULTIUNIT FOR HORIZONTAL WELL PER OCC165:5-7-6.2
14-2N-4W (32%)
23-2N-4W (68%)
NO OP. NAMED
REC 3/25/14 (JOHNSON)

This permit does not address the right of entry or settlement of surface damages.

137 27193 BOLES 2H-14X

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.

Category	Description
PENDING CD - 201401813	4/1/2014 - G30 - 14-2N-4W X596733 SCMR, WDFD, HNTN COMP. INT. NCT 0 FSL, NCT 2300 FNL, NCT 330 FEL NO OP. NAMED REC 3/25/14 (JOHNSON)
PENDING CD - 201401814	4/1/2014 - G30 - (E.O.) 23-2N-4W X603315 SCMR, WDFD, HNTN COMP. INT. NCT 0 FNL, NCT 165 FSL, NCT 330 FEL NO OP. NAMED REC 3/25/14 (JOHNSON)
SPACING - 596733	4/1/2014 - G30 - (640) 14-2N-4W DEL OTHER EST SCMR, WDFD, HNTN, OTHERS
SPACING - 603315	4/1/2014 - G30 - (640) 23-2N-4W EXT 601726 SCMR, WDFD, HNTN