

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

API NUMBER: 017 24680

Approval Date: 04/18/2014
Expiration Date: 10/18/2014

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 08 Twp: 14N Rge: 6W County: CANADIAN
SPOT LOCATION: SW SE SW SW FEET FROM QUARTER: FROM SOUTH FROM WEST
SECTION LINES: 250 700

Lease Name: BERNARD Well No: 1H-5X Well will be 250 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

FLORENE JACOBS SOLE TRUSTEE
BOX 444
OKARCHE OK 73762

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	8018	6	
2	WOODFORD	8443	7	
3	HUNTON	8540	8	
4			9	
5			10	

Spacing Orders: 622615

Location Exception Orders: 623105
623220
623106

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 18775

Ground Elevation: 1293

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 240

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: No

PIT 1 INFORMATION

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 BED AQUIFER

Pit Location Formation: DUNCAN

Approved Method for disposal of Drilling Fluids:

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

PERMIT NO: 14-26975

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 BED AQUIFER

Pit Location Formation: DUNCAN

HORIZONTAL HOLE 1

Sec 05 Twp 14N Rge 6W County CANADIAN

Spot Location of End Point: NE NW NW NW

Feet From: NORTH 1/4 Section Line: 50

Feet From: WEST 1/4 Section Line: 600

Depth of Deviation: 8305

Radius of Turn: 740

Direction: 360

Total Length: 10000

Measured Total Depth: 18775

True Vertical Depth: 8540

End Point Location from Lease,
Unit, or Property Line: 50

Notes:

Category

Description

DEEP SURFACE CASING

4/18/2014 - 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

LOCATION EXCEPTION - 623106

4/18/2014 - G30 - 5-14N-6W
X622615 MSSP, WDFD, HNTN
COMP. INT. NCT 0 FSL, NCT 165 FNL, NCT 330 FWL
NEWFIELD EXPLORATION MID-CONTINENT INC.
3/25/14

LOCATION EXCEPTION - 623220

4/18/2014 - G30 - (I.O.) 8-14N-6W
X622615 MSSP, WDFD, HNTN
SHL NCT 150 FNL, NCT 330 FWL 17-14N-6W**
COMP. INT. NCT 0 FNL, NCT 165 FSL, NCT 330 FWL
NEWFIELD EXPLORATION MID-CONTINENT INC.
3/27/14

**SHL TO BE CORRECTED AT HEARING FOR FINAL ORDER LOCATION EXCEPTION

MEMO

4/18/2014 - 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

MULTIUNIT HORIZONTAL - 623105

4/18/2014 - G30 - (I.O.) 5 & 8-14N-6W
X622615 MSSP, WDFD, HNTN
EST MULTIUNIT FOR HORIZONTAL WELL
5-14N-6W (50%)
8-14N-6W (50%)
NEWFIELD EXPLORATION MID-CONTINENT INC.
3/25/14

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Category

Description

SPACING - 622615

4/18/2014 - G30 - (640 HOR) 5 & 8-14N-6W
VAC 290569 MSSLM (NE4, SW4 & W2 NW4 SEC 5), HNTN (NE4 SW4, W2 SE4 & W2 NW4 SEC 5)
VAC 161177 MISS, MSHR (SEC 8)
EXT 608194 MSSP, WDFD, HNTN
EST OTHER
POE TO BHL (WDFD) NLT 165 FNL/FSL, NLT 330 FEL/FWL
POE TO BHL (MSSP, HNTN) NLT 660' FB
(COEXIST WITH SP. 290569 MISS, HNTN, HUGHES 5-6, API 017-22953, SE4 NW4 SEC 5 &
MCCARTHY 1-5, API 017-23042, SE4 SE4 SEC 5 & MCCARTHY 2-5, API 017-23045, NW4 SE4 SEC
5)

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