

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

API NUMBER: 087 22109 A

Approval Date: 02/16/2018  
Expiration Date: 08/16/2018

Horizontal Hole Oil & Gas

Amend reason: CORRECT BHL

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 12 Twp: 6N Rge: 4W

County: MCCLAIN

SPOT LOCATION:  NW  SW  SW  SW

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 635 295

Lease Name: TDR

Well No: 0604 1H-14X

Well will be 295 feet from nearest unit or lease boundary.

Operator Name: NEWFIELD EXPLORATION MID-CON INC

Telephone: 2816742521; 9188781

OTC/OCC Number: 20944 0

NEWFIELD EXPLORATION MID-CON INC  
24 WATERWAY AVE STE 900  
THE WOODLANDS, TX 77380-2764

THOMAS D. RUNYAN  
15662 200TH STREET  
PURCELL OK 73080

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	10020	6	
2	WOODFORD	10171	7	
3			8	
4			9	
5			10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201706264  
201706265  
201706266

Special Orders:

Total Depth: 20349

Ground Elevation: 1168

**Surface Casing: 1500**

Depth to base of Treatable Water-Bearing FM: 110

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: No

PIT 1 INFORMATION

Type of Pit System: ON SITE

Type of Mud System: AIR

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: 4

Liner not required for Category: 4

Pit Location is BED AQUIFER

Pit Location Formation: DUNCAN

Mud System Change to Water-Based or Oil-Based Mud Requires an Amended Intent (Form 1000).

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

F. Haul to Commercial soil farming facility: Sec. 28 Twn. 2N Rng. 4W Cnty. 137 Order No: 665063

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: 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

PIT 3 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 23 Twp 6N Rge 4W County MCCLAIN

Spot Location of End Point: SW SE SE SE

Feet From: SOUTH 1/4 Section Line: 50

Feet From: EAST 1/4 Section Line: 440

Depth of Deviation: 9489

Radius of Turn: 382

Direction: 185

Total Length: 10260

Measured Total Depth: 20349

True Vertical Depth: 10391

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

Notes:

Category	Description
DEEP SURFACE CASING	1/19/2018 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING

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Category	Description
HYDRAULIC FRACTURING	<p>1/19/2018 - G71 - OCC 165:10-3-10 REQUIRES:</p> <p>1) PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS FOR HORIZONTAL WELLS, NOTICE GIVEN FIVE BUSINESS DAYS IN ADVANCE TO OFFSET OPERATORS WITH WELLS COMPLETED IN THE SAME COMMON SOURCE OF SUPPLY WITHIN 1/2 MILE;</p> <p>2) WITH NOTICE ALSO GIVEN 48 HOURS IN ADVANCE OF HYDRAULIC FRACTURING ALL WELLS TO BOTH THE OCC CENTRAL OFFICE AND LOCAL DISTRICT OFFICES, USING THE "FRAC NOTICE FORM" FOUND AT THE FOLLOWING LINK: <a href="http://OCCEWEB.COM/OG/OGFORMS.HTML">OCCEWEB.COM/OG/OGFORMS.HTML</a>; AND,</p> <p>3) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS TO BE REPORTED TO FRACFOCUS WITHIN 60 DAYS AFTER THE CONCLUSION THE HYDRAULIC FRACTURING OPERATIONS, USING THE FOLLOWING LINK: <a href="http://FRACFOCUS.ORG">FRACFOCUS.ORG</a></p>
MEMO	<p>1/19/2018 - G71 - PIT 2 &amp; 3 - CLOSED SYSTEM = STEEL PITS PER OPERATOR REQUEST, WBM &amp; OBM CUTTINGS CAPTURED IN STEEL HALF PITS &amp; TRANSFERRED TO BACKYARD ENERGY SERVICES SOUTH SCOOP FACILITY (SE4 28-2N-4W, STEPHENS CO.); PIT 3 - OBM TO VENDOR</p>
PENDING CD - 201706264	<p>1/22/2018 - G57 - (E.O.)(640)(HOR) 14 &amp; 23-6N-4W  VAC 236080 MSSLM SE4 23-6N-4W  VAC 327230 MSSLM NE4 23-6N-4W  EXT 665610 MSSP, WDFD  POE TO BHL (MSSP) NCT 660' FB  POE TO BHL (WDFD) NCT 165' FNL &amp; FSL, NCT 330' FEL &amp; FWL  REC 2-16-2018 (P. PORTER)</p>
PENDING CD - 201706265	<p>1/22/2018 - G57 - (E.O.) 14 &amp; 23-6N-4W  EST MULTIUNIT HORIZONTAL WELL  **  (MSSP ADJACENT COMMON SOURCE OF SUPPLY TO WDFD)  50% 14-6N-4W  50% 23-6N-4W  NEWFIELD EXPLORATION MID-CONTINENT INC.  REC 2-16-2018 (P. PORTER)</p> <p>**S/B X201706264 MSSP, WDFD; WILL BE CORRECTED AT THE HEARING FOR THE FINAL ORDER PER ATTORNEY FOR OPERATOR</p>
PENDING CD - 201706266	<p>1/22/2018 - G57 - (E.O.) 14 &amp; 23-6N-4W  ++  SHL NE4 14-6N-4W**  COMPL. INT. (14-6N-4W) NCT 165' FNL, NCT 0' FSL, NCT 330' FEL  COMPL. INT. (23-6N-4W) NCT 0' FNL, NCT 165' FSL, NCT 330' FEL  NO OP. NAMED  REC 2-16-2018 (P. PORTER)</p> <p>**S/B SW4 SHL 12-6N-4W; WILL BE CORRECTED AT THE HEARING FOR THE FINAL ORDER PER ATTORNEY FOR OPERATOR  ++X201706264 MSSP, WDFD; WILL BE CORRECTED AT THE HEARING FOR THE FINAL ORDER PER ATTORNEY FOR OPERATOR</p>

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