

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

API NUMBER: 017 25186 A

Approval Date: 02/27/2018
Expiration Date: 08/27/2018

Horizontal Hole Oil & Gas

Amend reason: CHANGE DISPOSAL METHOD; UPDATE ORDERS

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 12 Twp: 14N Rge: 7W County: CANADIAN
SPOT LOCATION: NE NW NW NE FEET FROM QUARTER: FROM NORTH FROM EAST
SECTION LINES: 240 2060

Lease Name: OKARCHE Well No: 1407 2H-12X Well will be 240 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

PAUL C. FRANCEL, TRUSTEE
3404 GREGORY RD.
PIEDMONT OK 73078

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	7871	6	
2	WOODFORD	8514	7	
3			8	
4			9	
5			10	

Spacing Orders: 610951
673538

Location Exception Orders: 673906

Increased Density Orders:

Pending CD Numbers: 201708205
201801694

Special Orders:

Total Depth: 18851

Ground Elevation: 1168

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 160

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.

H. SEE MEMO

E. Haul to Commercial pit facility: Sec. 31 Twn. 12N Rng. 8W Cnty. 17 Order No: 587498

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 13 Twp 14N Rge 7W County CANADIAN

Spot Location of End Point: SW SW SE SE

Feet From: SOUTH 1/4 Section Line: 50

Feet From: EAST 1/4 Section Line: 1183

Depth of Deviation: 7309

Radius of Turn: 750

Direction: 175

Total Length: 10364

Measured Total Depth: 18851

True Vertical Depth: 8514

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

Notes:

Category

Description

DEEP SURFACE CASING

2/7/2018 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY FOR ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON CONDUCTOR OR SURFACE CASING

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Category	Description
HYDRAULIC FRACTURING	<p>2/7/2018 - 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: OCCEWEB.COM/OG/OGFORMS.HTML; 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: FRACFOCUS.ORG</p>
LOCATION EXCEPTION - 673906	<p>4/9/2018 - G75 - (I.O.) 12 & 13-14N-7W X610951 MSSP, WDFD COMPL. INT. (12-14N-7W) NCT 165' FNL, NCT 0' FSL, NCT 990' FEL COMPL. INT. (13-14N-7W) NCT 0' FNL, NCT 165' FSL, NCT 990' FEL NEWFIELD EXPLOR. MID-CONT. INC. 2-23-2018</p>
MEMO	<p>4/9/2018 - G71 - PIT 2 & 3 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 3 - OBM TO VENDOR, OBM CUTTINGS PER DISTRICT</p>
PENDING CD - 201708205	<p>2/9/2018 - G75 - (I.O.) 12 & 13-14N-7W X165:10-3-28(C)(2)(B) MSSP, WDFD (OKARCHE 1407 2H-12X) MAY BY CLOSER THAN 600' TO EXISTING/PROPOSED WELL NEWFIELD EXPLOR. MID-CONT. INC. REC 1-5-2018 (DUNN)</p>
PENDING CD - 201801694	<p>4/9/2018 - G75 - (640)(HOR) 12 & 13-14N-7W AMD/MOD 610951 TO: VAC OTHER VAC 127148 MSSLM NW4, SE4 12-14N-7W VAC 122201 MISS N2, SW4 13-14N-7W VAC 149960 MCSTR N2, SW4 13-14N-7W COEXIST SP. ORDER # 127148 MSSLM NE4 12-14N-7W; ORDER # 122201 MISS & ORDER # 149960 MCSTR SE4 13-14N-7W) REC 3-26-2018 (DUNN)</p>
SPACING - 610951	<p>2/9/2018 - G75 - (640)(HOR) 12 & 13-14N-7W VAC OTHER VAC 127148 MSSLM N2, SE4 12-14N-7W ## VAC 286856 MCSTR S2, NE4 12-14N-7W VAC 122201 MISS 13-14N-7W ** VAC 149960 MCSTR 13-14N-7W ** EXT 604466 MSSP, WDFD, OTHER COMPL. INT. (MSSP) NLT 660' FB COMPL. INT. (WDFD) NLT 165' FNL & FSL, NLT 330' FEL & FWL (SUPERSEDE NON-DEVELOPED NON-HORIZONTAL SPACING UNITS; COEXIST SP. ORDER # 127148 MSSLM SW4 12-14N-7W)</p> <p>## HILL 12-7 (API 017-22904 COMPL. MSSLM NE4); CORRECTED BY CD # 201801694</p> <p>** SCOTT 13-1 (API 017-21188 COMPL. MCSTR & MISS SE4); CORRECTED BY CD # 201801694</p>
SPACING - 673538	<p>4/9/2018 - G75 - (I.O.) 12 & 13-14N-7W EST MULTIUNIT HORIZONTAL WELL X610951 MSSP, WDFD (WDFD ADJACENT COMMON SOURCE OF SUPPLY TO MSSP) 50% 12-14N-7W 50% 13-14N-7W NEWFIELD EXPLOR. MID-CONT. INC. 2-12-2018</p>

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