

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

API NUMBER: 017 25157 A

Approval Date: 01/10/2018

Expiration Date: 07/10/2018

Horizontal Hole Oil & Gas

Amend reason: CORRECT SHL & LAT/LON

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 12 Twp: 14N Rge: 6W

County: CANADIAN

SPOT LOCATION: ☐ NW ☐ SW ☐ SW ☐ SW FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 457 246

Lease Name: ALLEN

Well No: 1406 1H-1X

Well will be 246 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

MOFFAT FARM LP., ANDY MOFFAT
5905 BASSETT NW
PIEDMONT OK 73078

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	8279	6	
2	WOODFORD	8643	7	
3			8	
4			9	
5			10	

Spacing Orders: 651555
623457

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201705485
201705486

Special Orders:

Total Depth: 19215

Ground Elevation: 1911

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 540

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 not located in a Hydrologically Sensitive Area.

Category of Pit: 4

Liner not required for Category: 4

Pit Location is NON HSA

Pit Location Formation: BISON

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.

G. Haul to recycling/re-use facility: Sec. 22 Twn. 16N Rng. 9W Cnty. 73 Order No: 647741

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? N

Within 1 mile of municipal water well? N

Wellhead Protection Area? N

Pit **is not** located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is NON HSA

Pit Location Formation: BISON

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 not** located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is NON HSA

Pit Location Formation: BISON

HORIZONTAL HOLE 1

Sec 01 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: 380

Depth of Deviation: 7839

Radius of Turn: 583

Direction: 5

Total Length: 10460

Measured Total Depth: 19215

True Vertical Depth: 8643

End Point Location from Lease,

Unit, or Property Line: 50

Notes:

Category

Description

DEEP SURFACE CASING

1/9/2018 - 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

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.

017 25157 ALLEN 1406 1H-1X

Category	Description
HYDRAULIC FRACTURING	<p>1/9/2018 - 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>
MEMO	<p>1/9/2018 - G71 - PIT 2 & 3 - CLOSED SYSTEM = STEEL PITS (REQUIRED - COTTONWOOD CREEK), WBM & OBM CUTTINGS CAPTURED IN STEEL HALF PITS & TRANSFERRED TO BACKYARD ENERGY SERVICES 647741 (22-16N-9W), KINGFISHER CO); PIT 3 - OBM TO VENDOR</p>
PENDING CD - 201705485	<p>1/10/2018 - G57 - (I.O.) 12 & 1-14N-6W EST MULTIUNIT HORIZONTAL WELL X651555 MSSP, WDFD 12-14N-6W X623457 MSSP, WDFD 1-14N-6W 50% 12-14N-6W 50% 1-14N-6W NEWFIELD EXPLORATION MID-CONTINENT INC. REC 11-16-2017 (MCKEOWN)</p>
PENDING CD - 201705486	<p>1/10/2018 - G57 - (I.O.) 12 & 1-14N-6W X651555 MSSP, WDFD 12-14N-6W X623547 MSSP, WDFD 1-14N-6W SHL (12-14N-6W) SW4 COMPL. INT. (12-14N-6W) NCT 165' FSL, NCT 0' FNL, NCT 330' FWL COMPL. INT. (1-14N-6W) NCT 0' FSL, NCT 165' FNL, NCT 330' FWL NO OP. NAMED REC 11-16-2017 (MCKEOWN)</p>
SPACING - 623457	<p>1/10/2018 - G57 - (640)(HOR) 1-14N-6W EXT 621116 MSSP, WDFD, OTHER POE TO BHL (MSSP) NCT 660' FB POE TO BHL (WDFD) NCT 165' FNL & FSL, NCT 330' FEL & FWL (SUPERCEDE NON-HORIZONTAL DRILLING & SPACING; SP. ORDER #172458 CSTR SW4, SP. ORDER #127809 S2, NW4 MSSLM, SP. ORDER #321779 MSSLM, NE4)</p>
SPACING - 651555	<p>1/10/2018 - G57 - (640)(HOR) 12-14N-6W EXT 626166 MSSP, WDFD, OTHER POE TO BHL (MSSP) NCT 660' FB POE TO BHL (WDFD) NCT 165' FNL & FSL, NCT 330' FEL & FWL (COEXIST SP. ORDER #134929 MISS, SP. ORDER #172458 CSTR SW4, SP. ORDER #207112 CSTR NE4)</p>