

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

API NUMBER: 043 23588

Approval Date: 01/16/2018

Expiration Date: 07/16/2018

Horizontal Hole

Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 17 Twp: 19N Rge: 15W

County: DEWEY

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

SECTION LINES: 412 582

Lease Name: JAKE

Well No: 1915 1H-21X

Well will be 412 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  
4 WATERWAY SQ PL STE 100  
SPRING, TX 77380-2764

LORETTA GAIL COLE REVOCABLE TRUST  
59757 NORTH 2230 ROAD  
SIELING OK 73663

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN (EX CHESTER)	9795	6	
2	WOODFORD	10655	7	
3			8	
4			9	
5			10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201708514  
201708515

Special Orders:

Total Depth: 20524

Ground Elevation: 1887

Surface Casing: 530

Depth to base of Treatable Water-Bearing FM: 280

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: Yes

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: RUSH SPRINGS

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.
- B. Solidification of pit contents.

F. Haul to Commercial soil farming facility: Sec. 22 Twn. 16N Rng. 9W Cnty. 73 Order No. 647741

G. Haul to recycling/re-use facility: Sec. 27 Twn. 17N Rng. 9W Cnty. 73 Order No. 659856

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: 8000 Average: 5000

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: RUSH SPRINGS

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: RUSH SPRINGS

HORIZONTAL HOLE 1

Sec 28 Twp 19N Rge 15W County DEWEY

Spot Location of End Point: SE SW SW SW

Feet From: SOUTH 1/4 Section Line: 165

Feet From: WEST 1/4 Section Line: 525

Depth of Deviation: 9358

Radius of Turn: 583

Direction: 170

Total Length: 10250

Measured Total Depth: 20524

True Vertical Depth: 10655

End Point Location from Lease,

Unit, or Property Line: 165

Notes:

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043 23586 JAKE 1915 1H-21X

Category	Description
HYDRAULIC FRACTURING	<p>1/2/2018 - 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>
INTERMEDIATE CASING	<p>1/2/2018 - G71 - DUE TO THE KNOWN POTENTIAL RISK OF ENCOUNTERING AN OVER-PRESSURED ZONE IN THE MORROW SERIES IN THIS AREA, THE TECHNICAL MANAGER RECOMMENDS SETTING AN INTERMEDIATE STRING OF CASING IMMEDIATELY ABOVE THE MORROW SERIES</p>
MEMO	<p>1/2/2018 - G71 - PIT 2 &amp; 3 - CLOSED SYSTEM = STEEL PITS PER OPERATOR REQUEST, WBM &amp; OBM CUTTINGS CAPTURED IN STEEL HALF PITS; PIT 2 - TRANSFERRED TO BACKYARD ENERGY SERVICES 659856 (27-17N-9W, KINGFISHER CO); PIT 3 - TRANSFERRED TO BACKYARD ENERGY SERVICES 647741 (22-16N-9W), KINGFISHER CO); OBM TO VENDOR</p>
PENDING CD - 201708514	<p>1/3/2018 - G57 - (E.O.)(1280)(HOR) 21 &amp; 28-19N-15W  VAC 312632 MSSLM  VAC 78076/275915 MSSLM  EST MSNLC, WDFD  REC 1-5-2018 (M. PORTER)</p>
PENDING CD - 201708515	<p>1/3/2018 - G57 - (E.O.) 21 &amp; 28-19N-15W  X20180708514  COMPL. INT. NCT 165' FNL, NCT 165' FSL, NCT 330' FEL, NCT 330' FWL  NO OP. NAMED  REC 1-5-2018 (M. PORTER)</p>

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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.

*D. Harry McClintick* 12/12/17  
D. Harry McClintick  
PLS. No.1367 CFEDS

**NEWFIELD**



**Newfield Exploration Company**

24 Waterway Avenue | Suite 900

The Woodlands, Texas 77380

October 19, 2017

Oklahoma Corporation Commission  
Tim Baker, Director of the Oil and Gas  
Conservation Division  
2101 N. Lincoln Blvd  
Oklahoma City, Oklahoma 73105

*RE: Cause PD. No. 201700132, Backyard Energy Services, LLC Oil Based Drill Cuttings  
Treatment Pilot Project, State of Oklahoma*

Dear Mr. Baker:

Please be advised that Newfield Exploration Mid-Con, Inc. (Newfield) understands and agrees it will be the sole operator under a Commission pilot project which will allow Backyard Energy Services, LLC to process Newfield's oil based drill cuttings using the process and requirements outlined in the amended application filed in Cause PD No. 201700132. The results of the processing will be a material that will be used in the construction of Newfield's drill sites.

Newfield further understands the initial pilot project will be for a period of ninety (90) days, or until such time as an order issues if the above referenced cause.

If there are further questions, please do not hesitate to contact Evelyn Smith at (281)674-2521.

Sincerely,

Matt Cooley  
Drilling Manager