

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

API NUMBER: 005 20464

Approval Date: 08/23/2017  
Expiration Date: 02/23/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 08 Twp: 2N Rge: 12E County: ATOKA  
SPOT LOCATION:  NW  NE  NE  NW FEET FROM QUARTER: FROM NORTH FROM WEST  
SECTION LINES: 310 2088

Lease Name: TIP Well No: 1H-8X Well will be 310 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  
SPRING, TX 77380-2764

ANN PRATHER  
RT. 5 BOX 369  
MCALESTER OK 74501

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	11476	6	
2 WOODFORD	11868	7	
3		8	
4		9	
5		10	

Spacing Orders: 529066  
530167

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201704882  
201704883  
201704884  
201704668

Special Orders:

Total Depth: 22251

Ground Elevation: 692

**Surface Casing: 1500**

Depth to base of Treatable Water-Bearing FM: 500

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 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: BOGGY

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. 21 Twn. 2N Rng. 4W Cnty. 137 Order No: 603746

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 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: BOGGY

PIT 3 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: OIL BASED

Chlorides Max: 300000 Average: 150000

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: BOGGY

HORIZONTAL HOLE 1

Sec 17 Twp 2N Rge 12E County ATOKA

Spot Location of End Point: S2 S2 S2 S2

Feet From: SOUTH 1/4 Section Line: 50

Feet From: WEST 1/4 Section Line: 2640

Depth of Deviation: 11010

Radius of Turn: 559

Direction: 176

Total Length: 10363

Measured Total Depth: 22251

True Vertical Depth: 11968

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

Additional Surface Owner	Address	City, State, Zip
MARYLYN PRATHER	705 E. PRATHER RD.	WARDVILLE, OK 74576
THOMAS & SHEILA PRATHER	433 FARVIEW AVE.	BLACKWELL, OK 74631
JOSHUA DAVID PRATHER	2102 SE 56TH	OKLAHOMA CITY, TX 73129
CATHERINE J. PRATHER	15929 COUNTY ROAD 3535	ADA, OK 74820
DONNA LOUISE PRATHER	1057 HARGIS LANE	MOORE, OK 73129

Notes:

Category

Description

DEEP SURFACE CASING

8/15/2017 - G58 - 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.  
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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.

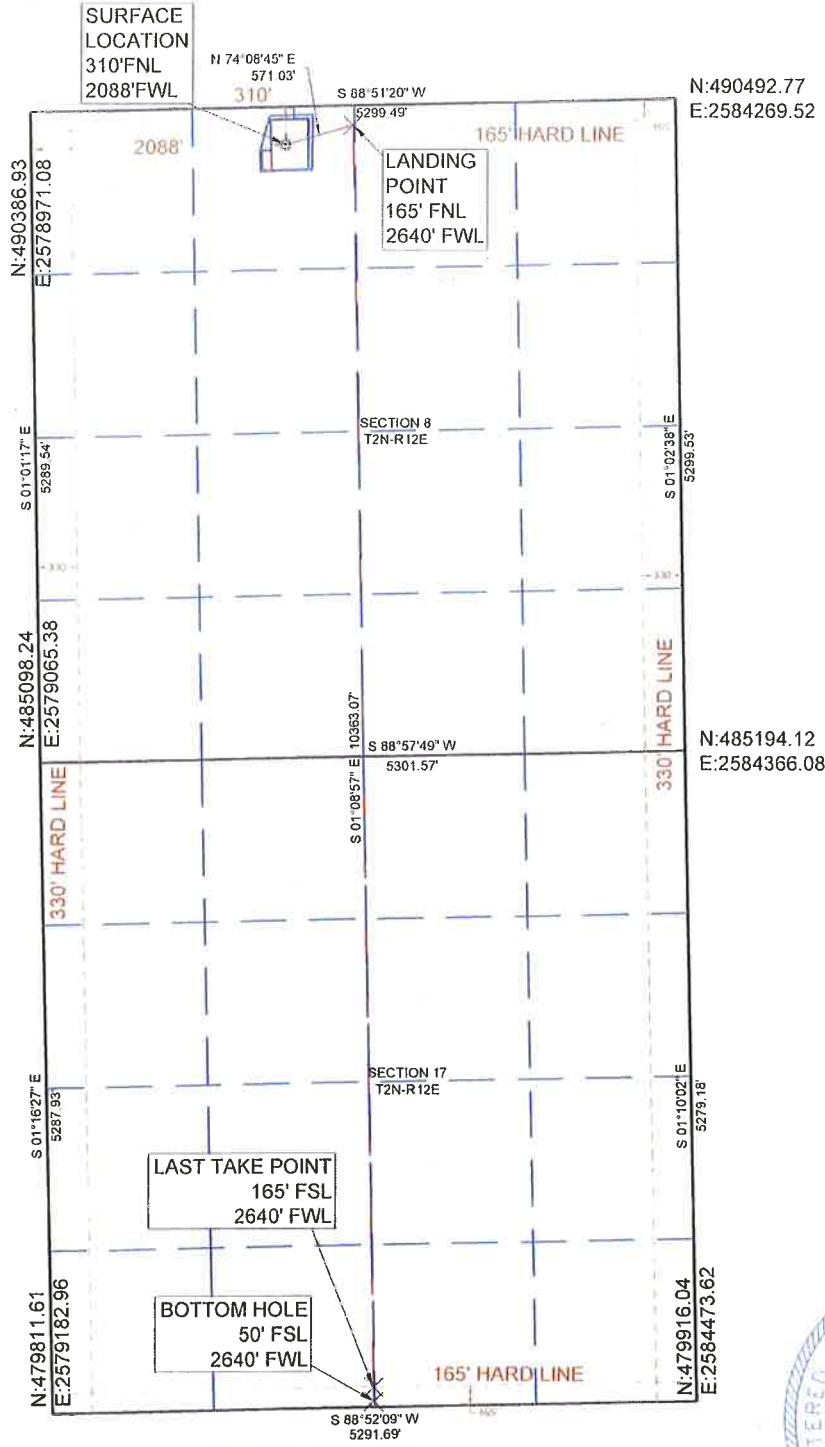
Category	Description
HYDRAULIC FRACTURING	8/15/2017 - G58 - OCC 165:10-3-10 REQUIRES:  1) PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS FOR HORIZONTAL WELLS, NOTICE GIVEN FIVE BUSINESS DAYS IN ADVANCE TO OFFSET OPERATORS WITH WELLS COMPLETED IN THE SAME COMMON SOURCE OF SUPPLY WITHIN 1/2 MILE;  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,  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>
MEMO	8/15/2017 - G58 - PIT 2 & PIT 3 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, OBM & WBM DRILL CUTTINGS WILL BE CAPTURED IN STEEL HALF PITS, TRANSFERRED TO STAGING FACILITY LOCATION FOR SOLIDIFICATION AND STABILIZATION FOR REUSE ON FUTURE LOCATIONS. PIT 2- OBM WILL BE RETURNED TO THE VENDOR
PENDING CD - 201704668	8/23/2017 - G64 - 8-2N-12E X529066 WDFD 1 WELL NEWFIELD EXPLORATION MID-CONTINENT INC. REC. 8-21-2017 (JOHNSON)
PENDING CD - 201704882	8/23/2017 - G64 - (I.O.) 8 & 17-2N-12E EST MULTIUNIT HORIZONTAL WELL X529066 MSSP, WDFD 8-2N-12E X530167 MSSP, WDFD 17-2N-12E (WDFD ASSOCIATED COMMON SOURCE OF SUPPLY TO MSSP) 50% 8-2N-12E 50% 17-2N-12E NEWFIELD EXPLORATION MID-CONTINENT INC. REC. 8-21-2017 (JOHNSON)
PENDING CD - 201704883	8/23/2017 - G64 - (I.O.) 8 & 17-2N-12E X529066 MSSP, WDFD 8-2N-12E X530167 MSSP, WDFD 17-2N-12E COMPL. INT. (8-2N-12E) NCT 165' FNL, NCT 0' FSL, NCT 2000' FWL COMPL. INT. (17-2N-12E) NCT 0' FNL, NCT 165' FSL, NCT 2000' FWL NEWFIELD EXPLORATION MID-CONTINENT INC. REC. 8-21-2017 (JOHNSON)
PENDING CD - 201704884	8/23/2017 - G64 - 17-2N-12E X530167 WDFD 1 WELL NEWFIELD EXPLORATION MID-CONTINENT INC. REC. 8-8-2017 (MCKEOWN)
SPACING - 529066	8/23/2017 - G64 - (640) 8-2N-12E EXT 515618 MSSP, WDFD, OTHERS
SPACING - 530167	8/23/2017 - G64 - (640) 17-2N-12E EXT 527822 MSSP, WDFD, OTHERS

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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.

# PERMIT PLAT

M & M Land Surveying, Inc.  
 Phone (580) 226-0446  
 520 E Street N.W.  
 Ardmore, OK 73401

Company Name: NEWFIELD EXPLORATION MID-CONTINENT INC. Lease Name: TIP 1H-8X  
 Section 8 Township 2 N Range 12 E , I.B.M, County of Atoka, State of Oklahoma  
 Elevation Good Location?  
 Original Location: 310'FNL - 2088'FWL 692' GROUND YES  
 Distance & Direction From Nearest Town: 12.1 miles Northeast of Coalgate.

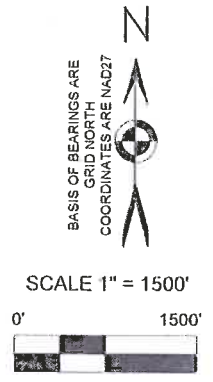


**SURFACE LOCATION**  
 DATUM: NAD27  
 LAT: 34° 39' 53.49"N  
 LONG: 96° 04' 03.16"W  
 LAT: 34.664858°N  
 LONG: 96.067544°W  
 STATE PLANE  
 COORDINATES: (US SURVEY FEET)  
 ZONE: SOUTH ZONE  
 Y (N): 490118.52  
 X (E): 2581064.24

DATUM: NAD83  
 LAT: 34° 39' 53.83"N  
 LONG: 96° 04' 04.14"W  
 LAT: 34.664952°N  
 LONG: 96.067818°W  
 STATE PLANE  
 COORDINATES: (US SURVEY FEET)  
 ZONE: SOUTH ZONE  
 Y (N): 490165.02  
 X (E): 2549467.82

DATA DERIVED FROM  
 G.P.S. WITH O.P.U.S.  
 DATA.

This location has been staked according to the best official survey records available to us. The metrical data shown hereon is for permitting the well location and the section location may or may not be field verified. Please review this plat and notify us immediately of any discrepancy.



## CERTIFICATE:

I D. Harry McClintick a Registered Land Surveyor in the State Of Oklahoma, do hereby certify that the above described Well Location was surveyed and staked on the ground as shown and that said plat meets or exceeds the Oklahoma Minimum Technical Standards for the practice of land surveying as adopted by the Oklahoma State Board of Licensure for Professional Engineers and Land Surveyors.



*D. Harry McClintick*  
 D. Harry McClintick  
 PLS. No.1367 CFEDS

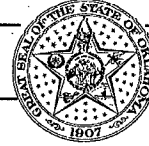
SURVEY BY: M & M Land Surveying, Inc. ~ C.A. No. 3093 (LS)	
DRAWING BY: Bennett-Morris And Associates Land Surveying, P.C.	
© COPYRIGHT 2016	C.A. No. 5975 (LS) ~ Aaron L. Morris, RPLS
PROJECT NUMBER:	SITE VISIT: (Explanation and Date)
17254	STAKING DATE: 08/01/2017
SHEET: 6 OF 10	DRAWING DATE: 08/08/2017

API: 005 20464

OKLAHOMA  
CORPORATION COMMISSION  
P.O. BOX 52000  
OKLAHOMA CITY, OKLAHOMA 73152-2000

255 Jim Thorpe Building  
Telephone: (405) 521-2500  
FAX: (405) 522-0757

OIL & GAS CONSERVATION DIVISION



POLLUTION ABATEMENT  
Underground Injection Control

July 27, 2017

Backyard Energy Services, LLC  
Conor O'Reilly  
1601 NW Expressway, Suite 1450  
Oklahoma City, Oklahoma 73118

*RE: Backyard Energy Services, LLC, Oil Based Drill Cuttings Treatment Process, Pilot Project, State of Oklahoma*

Dear Mr. O'Reilly,

The Pollution Abatement Department has reviewed the documentation and analyses furnished to us by Backyard Energy Services, LLC (Backyard) in support of a commercial non-deleterious facility (Facility), filed in Cause PD No. 201700132, requesting statewide authority.

It is our understanding that Backyard has an agreement with an operator in the area that is willing to furnish oil based drill cuttings (Drill Cuttings) for processing into a material that will be used for construction of the operator's drill sites. As a result of our review and technical meeting with Backyard representatives, you will have the ability to recycle/process the operator's Drill Cuttings for use for construction of drill sites, until October 27, 2017, or until a final Commission order issues.

Prior to using the processed material for construction, Backyard will provide the Pollution Abatement Department with the analyses of the processed material to be used, demonstrating it complies with the Target Limits set forth in the Amended Application in Cause PD No. 201700132. Backyard will also furnish the legal location and amount of processed material to be used for the construction of each drill site prior to commencement of construction. Once the construction has been completed, Backyard will prepare a post summary report. Records of the amount of incoming oil based drill cutting and the amount of outgoing processed material will be kept, as well as dates and the origin of the Drill Cuttings and the final destination. Such records be made available to Commission staff upon request.

This Facility will not be considered a commercial recycling facility for the purpose of this pilot project. If the project is to continue after the October 27<sup>th</sup> 2017 date, a reevaluation will be required by the Pollution Abatement Department in order to determine if additional authorization may be granted by the Commission.

If operations at the Facility are terminated prior to October 27th, the Pollution Abatement Department shall be notified immediately.

If there are any questions, please feel free to contact me at 405-521-2240.

Sincerely,

Tim Baker

A handwritten signature in black ink, appearing to read "Tim Baker".

Director,  
Oil and Gas Conservation Division

CC: Mike Moore

Gayland Darity  
Grant Ellis  
Brad Ice  
Terry Grooms  
Cheri Wheeler

**NEWFIELD**



**Newfield Exploration Company**

24 Waterway Avenue, Suite 900

The Woodlands, Texas 77380

PH 281-210-5100 | FAX 346-224-7026

July 27, 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  
Cutting 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,

A handwritten signature in black ink, appearing to read "Matt Cook", with a horizontal line extending to the right.