# API NUMBER: 017 25190

Horizontal Hole

Category of Pit: 4

Liner not required for Category: 4

Pit Location is BED AQUIFER

Pit Location Formation: DUNCAN

Oil & Gas

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

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

PERMIT TO DRILL

ELL LOCATION: Sec: 01 Twp: 14N Rge: 7W	County: CAN				
OT LOCATION: SE SW SW SW FEET FRO SECTION I		SOUTH FROM	WEST		
A CAPAGE	Well No.		605	Manager 400	6.46
Lease Name: OKARCHE	Well No:	1407 6H-12X		Well will be 190	feet from nearest unit or lease boundary
Operator NEWFIELD EXPLORATION MID-CON INC Name:		Telephone: 2	816742521; 918878	otc.	OCC Number: 20944 0
NEWFIELD EXPLORATION MID-CON INC	nere a anne a se a company de la company	MOLECULAR CONTRACTOR C	general de annuel de conse de la material de la commence de la com		
24 WATERWAY AVE STE 900		00000	BARBARA	A BERRY	
THE WOODLANDS, TX 77380	-2764	***************************************	9817 AIRI DALLAS	LINE ROAD	TX 75230
		Name of the State			
formation(s) (Permit Valid for Listed Formations	Only):				
Name	Depth		Name		Depth
1 MISSISSIPPIAN	8121		3		
2 WOODFORD	8594	1	7		
3			3		
4			9		
5			10		
acing Orders: 610951	Location Exceptio	n Orders:		Increase	d Density Orders: 672938 672939
nding CD Numbers: 201708199				Special C	Orders:
201708200					
201708205					
201801694					
Total Depth: 18973 Ground Elevation: 1136	Surface	Casing: 1500		Depth to base	of Treatable Water-Bearing FM: 160
Under Federal Jurisdiction: No	Fresh Wate	er Supply Well Drilled	I: No		Surface Water used to Drill: No
IT 1 INFORMATION	Approved Method for disposal of Drilling Fluids:				
pe of Pit System: ON SITE			A. Evaporation/dewa	ter and backfilling of res	erve pit.
pe of Mud System: AIR					
depth to top of ground water greater than 10ft below base of pit?	Υ	(	G. Haul to recycling/r	re-use facility: Sec. 22 T	wn. 16N Rng. 9W Cnty. 73 Order No: 64774
fithin 1 mile of municipal water well? N /ellhead Protection Area? N			H. SEE MEMO		
it is located in a Hydrologically Sensitive Area.					

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

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

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

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: SE SE SW

Feet From:

SOUTH 1/4 Section Line:

50

Depth of Deviation: 7423

WEST

1/4 Section Line:

1123

Radius of Turn: 750

Direction: 175

Feet From:

Total Length: 10372

Measured Total Depth: 18973

True Vertical Depth: 8594

End Point Location from Lease,

Unit, or Property Line: 50

**Additional Surface Owner** 

Address

City, State, Zip

ROBERT BERRY

7115 ABERDEEN AVENUE

DALLAS, TX 75230

ANN HODAPP

3312 HUNTER OAKS CT.

MANSFIELD, TX 76063

Notes:

Category

Description

**DEEP SURFACE CASING** 

2/16/2018 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY FOR ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON CONDUCTOR OR

SURFACE CASING

Category

Description

HYDRAULIC FRACTURING

2/16/2018 - G71 - 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:

OCCEWEB.COM/OG/OGFORMS.HTML: 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: FRACFOCUS.ORG

**INCREASED DENSITY - 672938** 

2/16/2018 - G75 - (I.O.) 12-14N-7W

X610951 MSSP, OTHER

2 WELLS

NEWFIELD EXPLOR. MID-CONT. INC.

1-31-2018

**INCREASED DENSITY - 672939** 

2/16/2018 - G75 - (I.O.) 13-14N-7W

X610951 MSSP, OTHER

2 WELLS

NEWFIELD EXPLOR. MID-CONT. INC.

1-31-2018

MEMO

2/16/2018 - G71 - PIT 2 & 3 - CLOSED SYSTEM = STEEL PITS PER OPERATOR REQUEST: WBM. WBM & OBM CUTTINGS CAPTURED IN STEEL HALF PITS & TRANSFERRED TO BACKYARD ENERGY SERVICES FACILITY (ORDER # 647741, 22-16N-9W, KINGFISHER CO.); PIT 3 - OBM TO

PENDING CD - 201708199

2/16/2018 - 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 NO OP. NAMED REC 1-5-2018 (DUNN)

PENDING CD - 201708200

2/16/2018 - G75 - (I.O.) 12 & 13-14N-7W X610951 MSSP, WDFD

COMPL. INT. (12-14N-7W) NCT 165' FNL, NCT 0' FSL, NCT 990' FWL COMPL. INT. (13-14N-7W) NCT 0' FNL, NCT 165' FSL, NCT 990' FWL

NO OP. NAMED REC 1-5-2018 (DUNN)

PENDING CD - 201708205

2/16/2018 - G75 - (I.O.) 12 & 13-14N-7W

X165:10-3-28(C)(2)(B) MSSP, WDFD (OKARCHE 1407 6H-12X) MAY BY CLOSER THAN 600' TO EXISTING/PROPOSED WELL

NEWFIELD EXPLOR. MID-CONT. INC.

REC 1-5-2018 (DUNN)

PENDING CD - 201801694

2/27/2018 - 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) HEARING 3-26-2018 (OK'D PER MCCOY)

**SPACING - 610951** 

2/16/2018 - 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)

## HILL 12-7 (API 017-22904 COMPL. MSSLM NE4); CORRECTED BY CD # 201801694

\*\* SCOTT 13-1 (API 017-21188 COMPL. MCSTR & MISS SE4); CORRECTED BY CD # 201801694

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.

### PERMIT PLAT N:264287.35 E:2028134.70 N 89°57'17" E N:264291.52 M & M Land Surveying, Inc. 5289.2 E:2033423.94 Phone (580) 226-0446 API 017-25190 520 E Street N.W. Ardmore, OK 73401 Company Name: NEWFIELD EXPLORATION MID-CONTINENT INC. Lease Name: OKARCHE 1407 6H-12X Section 1 Township 14 N Range 7 W, I.B.M, SECTION 1 T14N-R7W S 00°07'43" W County of Canadian, State of Oklahoma SURFACE 5373.0 S 00°28'32" Good Location? YES LOCATION Original Location: 190'FSL - 605'FWL Elevation 1136' GROUND 190'FSL Distance & Direction From Nearest Town: 4.2 miles East of Okarche. 605'FWL S 55°30'37" E 628.6' SURFACE LOCATION DATUM: NAD27 N 89°55'02" W N:258918.53 35° 42' 42.48"N LAT: E:2033411.89 65' HARD LINE N:258926.21 LONG: 97° 54' 12.03"W E:2028090. LANDING LAT: 35.711801°N BASIS OF BEARINGS ARE GRID NORTH COORDINATES ARE NAD27 **POINT** LONG: 97.903341°W 165' FNL STATE PLANE 1123' FWL COORDINATES: (US SURVEY FEET) ZONE: NORTH ZONE Y (N): 259115.57 X (E): 2028696.58 S 00°29'41" E 00°00'24" 5280.4 5295.2 DATUM: NAD83 SCALE 1" = 1500" LAT: 35° 42' 42.65"N SECTION 12 1500' LONG: 97° 54' 13.21"W 35.711848°N LAT: LONG: 97.903669°W STATE PLANE COORDINATES: (US SURVEY FEET) ZONE: NORTH ZONE 259139.54 Y (N): E:2028135.92 X (E): 1997098.48 HARD DATA DERIVED FROM G.P.S. WITH O.P.U.S. N 89°55'30" E DATA. N:253638.09 This location has been staked according E:2033412.50 5276.6 to the best official survey records HARD LIN 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 330 and notify us immediately of any discrepancy. CERTIFICATE: N 00°26'42" E S 00°05'02" 5295.7' I D. Harry McClintick a Registered Land Surveyor 5295.5' in the State Of Oklahoma, do hereby certify that the above described Well Location was surveyed SECTION 13 T14N-R7W and staked on the ground as shown and that said plat meets or exceeds the Oklahoma Minimum Technical Standards for the practice of land LAST TAKE POINT surveying as adopted by the Oklahoma State 165' FSL Board of Licensure for Professional Engineers and 1123' FWL Land Surveyors. 2028094.78 N:248335.85 **BOTTOM HOLE** 50' FSL 1123' FWL 165' HARD LINE N:248342.44 S 89°55'45" W E:2033420.26 SURVEY BY: M & M Land Surveying, Inc. ~ C.A. No. 3093 (LS) DRAWING BY: Bennett-Morris And Associates Land Surveying, P.C. © COPYRIGHT 2017 C.A. No. 5975 (LS) ~ Aaron L. Morris, RPLS PROJECT NUMBER: SITE VISIT: (Explanation and Date) 17492 STAKING DATE: 11/16/2017

DRAWING DATE: 12/06/2017

SHEET: 6 OF 10

OKLAHOMP

D. Harry McClintick

PLS. No.1367 CFEDS

OKLAHOMA

CORPORATION COMMISSION

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

**OIL & GAS CONSERVATION DIVISION** 

253 Jim Thorpe Building Telephone: (405) 521-2240 FAX: (405) 521-3099 www.occeweb.com

Tim Baker, Director

January 30, 2018

API 017-25190

Backyard Energy Services Conor O'Reily 1601 NW Expressway Suite 1450 Oklahoma City, OK 73118

Re: Backyard Energy Services, Oil Based Drill Cuttings Treatment Process Pilot Project

Dear Mr. O'Reilly:

I am in receipt of the letter from Newfield Exploration Company in which they desire to continue the pilot project using your drilling solids treatment process for drill pad sites. This letter is to authorize the treatment process for an additional 90 days until April 30<sup>th</sup> or until a final order issues in PD.201700132.

All terms and conditions set forth in the November 3<sup>rd</sup>, 2017 letter will remain in affect.

If you have any questions, please feel free to contact me.

Tim Baker

Sincerely

Director, OGCD

C: Mike Moore, Terri Grooms, Brad Ice, Gayland Darity, Grant Ellis, Susan Conrad, Cheri Wheeler



# **Newfield Exploration Company**

24 Waterway Avenue | Suite 900 The Woodlands, Texas 77380

January 25, 2018

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 was for a period of ninety (90) days and request an extension 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** 

Mat las