

API NUMBER: 073 25813

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

Approval Date: 11/06/2017

Expiration Date: 05/06/2018

Horizontal Hole

Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 16 Twp: 17N Rge: 7W

County: KINGFISHER

SPOT LOCATION: ☐ NE ☐ NE ☐ NW ☐ NW

FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 245 1000

Lease Name: SEEFELDT

Well No: 1707 1H-16X

Well will be 245 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

LORI WHITLEY
48 SUMAC LANE
LOS ALAMOS NM 87544

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN (EX CHESTER)	7526	6	
2	WOODFORD	8026	7	
3			8	
4			9	
5			10	

Spacing Orders: 663495
660814

Location Exception Orders: 669046

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 18550

Ground Elevation: 1081

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 240

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: 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.

F. Haul to Commercial soil farming facility: Sec. 28 Twn. 2N Rng. 4W Cnty. 137 Order No: 665063

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: 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 21 Twp 17N Rge 7W County KINGFISHER

Spot Location of End Point: S2 S2 S2 SW

Feet From: SOUTH 1/4 Section Line: 50

Feet From: WEST 1/4 Section Line: 1320

Depth of Deviation: 7402

Radius of Turn: 477

Direction: 175

Total Length: 10399

Measured Total Depth: 18550

True Vertical Depth: 8026

End Point Location from Lease,

Unit, or Property Line: 50

Additional Surface Owner

Address

City, State, Zip

CRAIG SEEFELDT

3815 DEER BROOK TRAIL

PIEDMONT, OK 73078

Notes:

Category

Description

DEEP SURFACE CASING

11/2/2017 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY FOR ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON 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.

073 25813 SEEFELDT 1707 1H-16X

Category	Description
HYDRAULIC FRACTURING	<p>11/2/2017 - 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 - 669046	<p>11/6/2017 - G75 - (I.O.) 16 & 21-17N-7W X660814 MSNLC, WDFD X165:10-3-28(C)(2)(B) MAY BE CLOSER THAN 600' TO AN EXISTING WELL SHL (21-17N-7W) SW4 ** COMPL. INT. (21-17N-7W) NCT 165' FSL, NCT 0' FNL, NCT 330' FWL ++ COMPL. INT. (16-17N-7W) NCT 0' FSL, NCT 165' FNL, NCT 330' FWL ++ NEWFIELD EXPLOR. MID-CONT. INC. 10-16-2017</p> <p>** ITD HAS SHL AS 245' FNL, 1000' FWL 16-17N-7W; TO BE CORRECTED AT HEARING FOR FINAL ORDER LOCATION EXCEPTION PER OPERATOR</p> <p>++ ITD HAS LATERAL DRILLED IN OPPOSITE DIRECTION; TO BE CORRECTED AT HEARING FOR FINAL ORDER LOCATION EXCEPTION PER OPERATOR</p>
MEMO	<p>11/2/2017 - 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 SOUTH SCOOP FACILITY (SE4 28-2N-4W, STEPHENS CO.); PIT 3 - OBM TO VENDOR</p>
SPACING - 660814	<p>11/6/2017 - G75 - (640)(HOR) 16 & 21-17N-7W VAC 110670 MSSLM NW4, SE4, S2 NE4, N2 SW4 16-17N-7W VAC 561625 WDFD VAC 150540 WDFD VAC 165378 WDFD EXT 653506 MSNLC, WDFD POE TO BHL (MSNLC) NCT 660' FB POE TO BHL (WDFD) NCT 165' FSL & FSL, NCT 330' FEL & FWL (COEXIST SP. ORDER # 110670 MSSLM N2 NE4, S2 SW4 16-17N-7W; ORDER # 153785 MSSLM N2, ORDER # 59733 MSSLM SE4, & ORDER # 165378 MSSLM SW4 21-17N-7W)</p>
SPACING - 663495	<p>11/6/2017 - G75 - (I.O.) 16 & 21-17N-7W EST MULTIUNIT HORIZONTAL WELL X660814 MSNLC, WDFD (WDFD ASSOCIATED COMMON SOURCE OF SUPPLY TO MSNLC) 50% 16-17N-7W 50% 21-17N-7W NEWFIELD EXPLOR. MID-CONT. INC. 5-8-2017</p>

API 073-25813

OKLAHOMA
CORPORATION COMMISSION
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OIL & GAS CONSERVATION DIVISION

Tim Baker, Director

November 3, 2017

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

Re: Backyard Energy Services, Oil Based Drill Cuttings Treatment Process
Approval of 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 P.D. No. 201700132, requesting statewide authority.

It's our understanding that Backyard has an agreement with Newfield Exploration Co. to furnish oil based drill cuttings (Drill Cuttings) for processing into a material that will be used for construction of the companies' drill sites. As a result of our review and technical meetings with Backyard representatives, you will have the ability to recycle/process the operator's drill cuttings for use for construction of the drill sites, until January 31st, 2018, 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 drill cuttings 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 will 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 January 31st, 2018, a reevaluation may 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 January 31st, 2018, the Pollution Abatement department shall be notified immediately.

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

Sincerely,

A handwritten signature in dark ink, appearing to read "Tim Baker", is written over the word "Sincerely,".

Tim Baker
Director, OGCD

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

PERMIT PLAT

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

API 073-25813

Company Name: **NEWFIELD EXPLORATION MID-CONTINENT INC.**

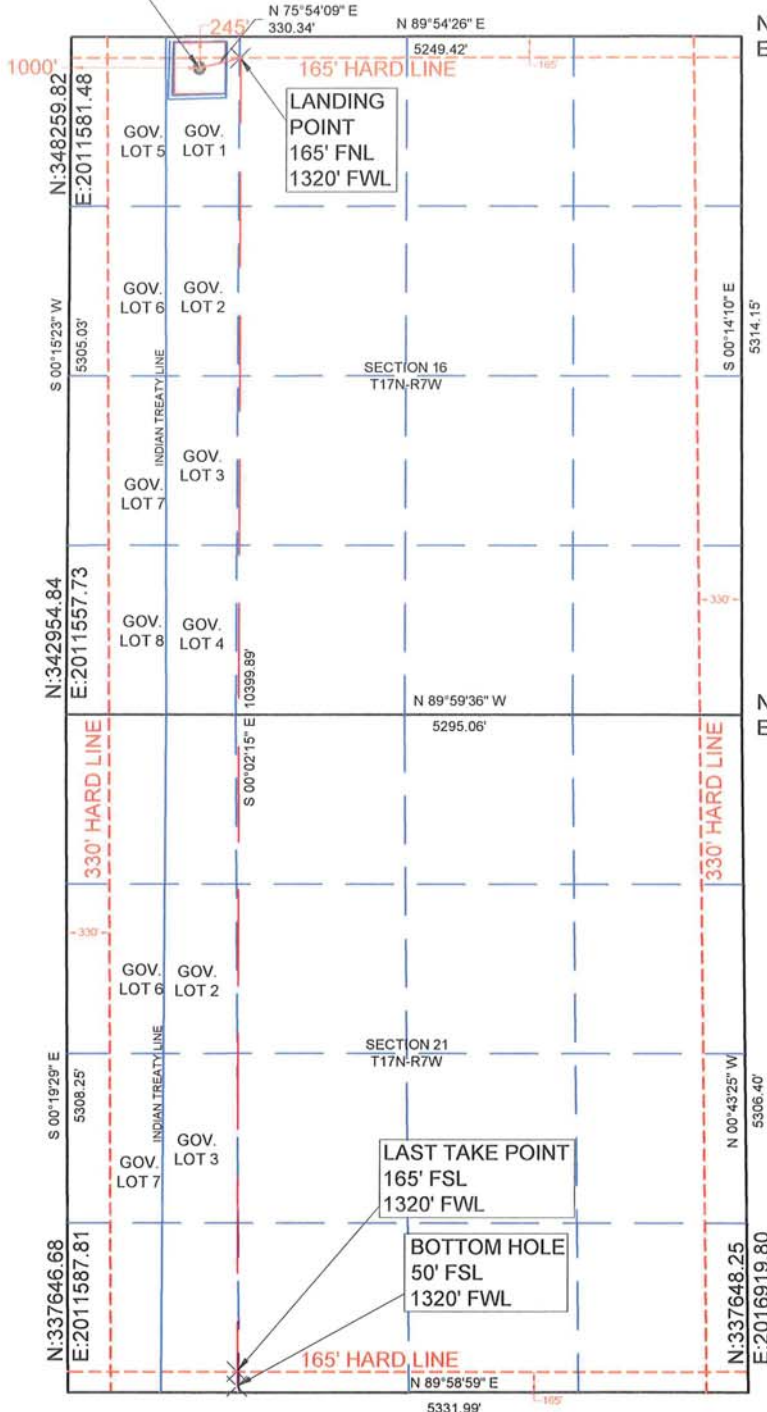
Lease Name: **SEEFELDT 1707 1H-16X**

Section 16 Township 17 N Range 7 W , I.B.M., County of Kingfisher, State of Oklahoma

Original Location: 245'FNL - 1000'FWL Elevation 1081' GROUND Good Location? YES

Distance & Direction From Nearest Town: 6.7 miles North of Kingfisher.

SURFACE
LOCATION
245'FNL
1000'FWL



SURFACE LOCATION

DATUM: NAD27

LAT: 35° 57' 21.83"N

LONG: 97° 57' 26.98"W

LAT: 35.956063°N

LONG: 97.957494°W

STATE PLANE

COORDINATES: (US

SURVEY FEET)

ZONE: NORTH ZONE

Y (N): 348016.49

X (E): 2012580.42

DATUM: NAD83

LAT: 35° 57' 21.97"N

LONG: 97° 57' 28.18"W

LAT: 35.956103°N

LONG: 97.957828°W

STATE PLANE

COORDINATES: (US

SURVEY FEET)

ZONE: NORTH ZONE

Y (N): 348040.34

X (E): 1980981.26

DATA DERIVED FROM

G.P.S. WITH O.P.U.S.

DATA.



SCALE 1" = 1500'



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
10/19/17

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: 17395	SITE VISIT: (Explanation and Date)
	STAKING DATE: 09/20/2017
SHEET: 6 OF 10	DRAWING DATE: 10/18/2017