

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

API NUMBER: 017 25397

Approval Date: 02/26/2019
Expiration Date: 08/26/2020

Horizontal Hole Oil & Gas
Multi Unit

PERMIT TO DRILL

WELL LOCATION: Sec: 15 Twp: 14N Rge: 7W County: CANADIAN
SPOT LOCATION: NE NE NE NW FEET FROM QUARTER: FROM NORTH FROM WEST
SECTION LINES: 300 2370

Lease Name: PETERS 1407 Well No: 2H-15X Well will be 300 feet from nearest unit or lease boundary.

Operator Name: NEWFIELD EXPLORATION MID-CON INC Telephone: 2812105100; 9188781 OTC/OCC Number: 20944 0

NEWFIELD EXPLORATION MID-CON INC
24 WATERWAY AVE ST 900
THE WOODLANDS, TX 77380-2764

ALFRED J. MEYER
511 N. 2ND STREET
OKARCHE OK 73762

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	8418	6	
2 WOODFORD	8923	7	
3		8	
4		9	
5		10	

Spacing Orders: 621416 Location Exception Orders: 691037 Increased Density Orders: 689950
691036 691446 689951

Pending CD Numbers:

Special Orders:

Total Depth: 19640 Ground Elevation: 1158 **Surface Casing: 1500** Depth to base of Treatable Water-Bearing FM: 270

Under Federal Jurisdiction: No Fresh Water Supply Well Drilled: No Surface Water used to Drill: Yes

PIT 1 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

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: DUNCAN

Approved Method for disposal of Drilling Fluids:

E. Haul to Commercial pit facility: Sec. 31 Twn. 12N Rng. 8W Cnty. 17 Order No: 587498

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: 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: DUNCAN

HORIZONTAL HOLE 1

Sec 22 Twp 14N Rge 7W County CANADIAN

Spot Location of End Point: SE SW SE SW

Feet From: SOUTH 1/4 Section Line: 85

Feet From: WEST 1/4 Section Line: 1714

Depth of Deviation: 8168

Radius of Turn: 715

Direction: 183

Total Length: 10348

Measured Total Depth: 19640

True Vertical Depth: 9096

End Point Location from Lease,
Unit, or Property Line: 85

Notes:

Category

Description

DEEP SURFACE CASING

1/24/2019 - 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

EXCEPTION TO RULE - 691446

2/25/2019 - G56 - (I.O.) 15 & 22-14N-7W
X165:10-3-28(C)(2)(B) WDFD MAY BE CLOSER THAN 600' TO PETERS 1H-15X, ZUM MALLEN H 1, ZUM MALLEN B 1 AND/OR PROPOSED WELLS
NEWFIELD EXPLOR. MID-CONT. INC.
2/14/2019

HYDRAULIC FRACTURING

1/24/2019 - 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 - 689950

2/25/2019 - G56 - 15-14N-7W
X621416 WDFD
7 WELLS
NEWFIELD EXPLOR. MID-CONT. INC.
1/17/2019

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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
INCREASED DENSITY - 689951	2/25/2019 - G56 - 22-14N-7W X621416 WDFD 7 WELLS NEWFIELD EXPLOR. MID-CONT. INC. 1/17/2019
LOCATION EXCEPTION - 691037	2/25/2019 - G56 - (I.O.) 15 & 22-14N-7W X621416 MSSP, WDFD, OTHER 15 & 22-14N-7W COMPL INT (15-14N-7W) NCT 0' FSL, NCT 165' FNL, NCT 1320' FWL COMPL INT (22-14N-7W) NCT 0' FNL, NCT 165' FSL, NCT 1320' FWL NEWFIELD EXPLOR. MID-CONT. INC. 2/6/2019
MEMO	1/24/2019 - G71 - PIT 1 & 2 - CLOSED SYSTEM = STEEL PITS PER OPERATOR REQUEST, WBM/CUTTINGS & OBM CUTTINGS CAPTURED IN STEEL HALF PITS, WBM/CUTTINGS & OBM CUTTINGS TRANSFERRED TO R360 587498 (31-12N-8W), CANADIAN CO OR DEQ APPROVED FACILITY (SOUTHERN PLAINS LANDFILL, 3-5N-6W, GRADY CO., # 3526013); PIT 2 - OBM TO VENDOR
SPACING - 621416	2/25/2019 - G56 - (640)(HOR) 15 & 22-14N-7W VAC 149833 MISS, OTHER NW4 & S2 15-14N-7W VAC 149833 MISS, OTHER SW4 & N2 22-14N-7W VAC 170593 MCSTR, WDFD 15 & 22-14N-7W VAC 171393 MCSTR 15-14N-7W EXT 604466 MSSP, WDFD, OTHER POE TO BHL (WDFD) NLT 165' FNL & FSL, NLT 330' FEL & FWL POE TO BHL (MSSP) NLT 660' FB (SUPERSEDE NON-DEVELOPED NON-HORIZONTAL SPACING UNITS; COEXIST SP. ORDER # 149833 MISS, OTHER NE4 15 & SE4 22-14N-7W)
SPACING - 691036	2/25/2019 - G56 - (I.O.) 15 & 22-14N-7W ESTABLISH MULTIUNIT HORIZONTAL WELL X621416 MSSP, WDFD, OTHER 15 & 22-14N-7W (MSSP, WDFD ARE TARGETED RESERVOIRS) 50% 15-14N-7W 50% 22-14N-7W NEWFIELD EXPLOR. MID-CONT. INC. 2/6/2019

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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

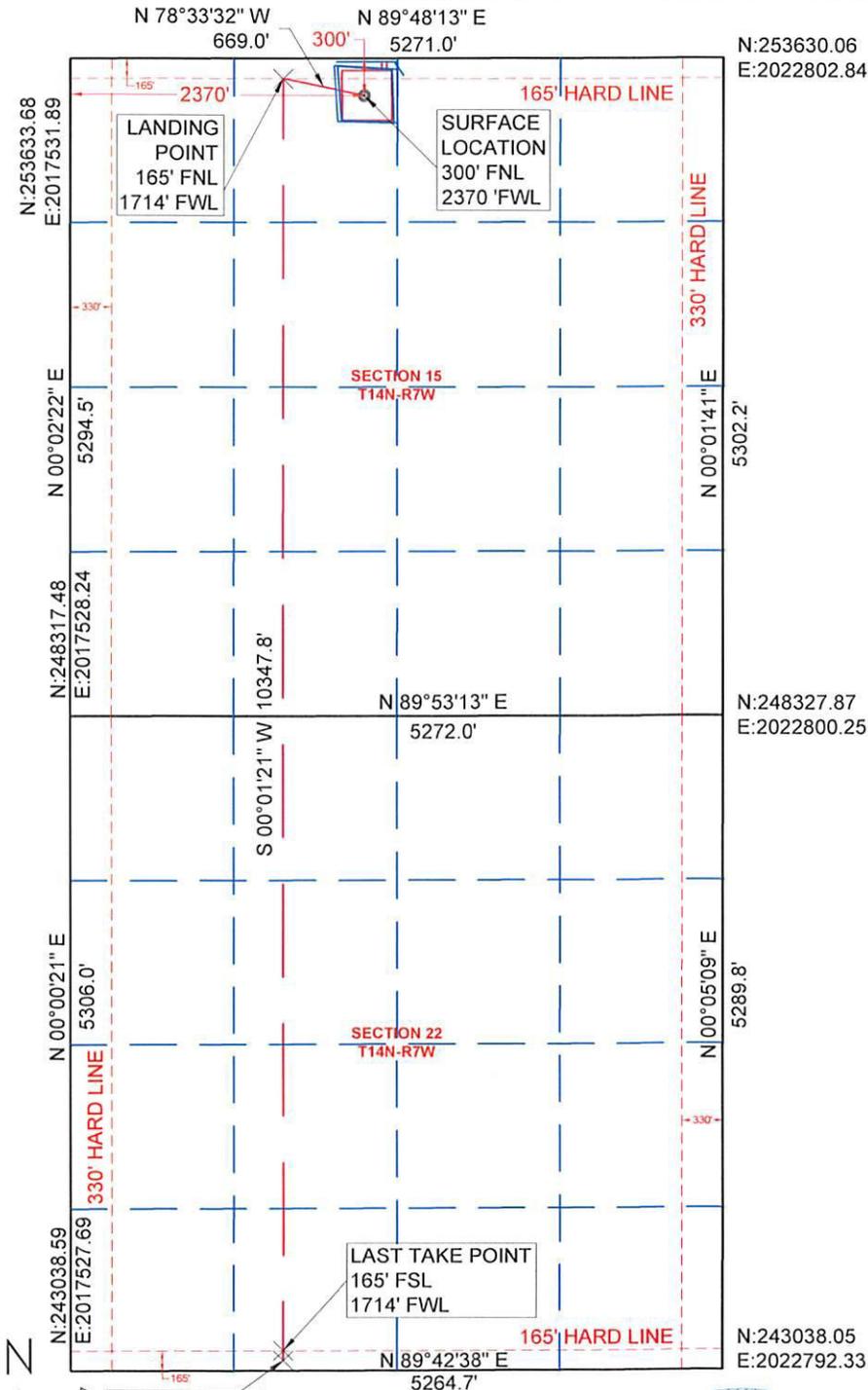
Company Name: **NEWFIELD EXPLORATION MID-CONTINENT INC.**

Lease Name: **PETERS 1407 2H-15X**

Section 15 Township 14 N Range 7 W , I.B.M, County of Canadian, State of Oklahoma

Original Location: 300'FNL - 2370'FWL Elevation 1158' GROUND Good Location? YES

Distance & Direction From Nearest Town: 3.2 miles Southeast of Okarche



SURFACE LOCATION		LANDING POINT	
DATUM: NAD27	DATUM: NAD27	DATUM: NAD27	DATUM: NAD27
LAT: 35° 41' 45.24"N	LAT: 35° 41' 46.56"N	LAT: 35° 41' 46.56"N	LAT: 35° 41' 46.56"N
LONG: 97° 55' 58.72"W	LONG: 97° 56' 06.67"W	LONG: 97° 56' 06.67"W	LONG: 97° 56' 06.67"W
LAT: 35.695900°N	LAT: 35.696266°N	LAT: 35.696266°N	LAT: 35.696266°N
LONG: 97.932979°W	LONG: 97.935187°W	LONG: 97.935187°W	LONG: 97.935187°W
Y (N): 253320.19	Y (N): 253452.9	Y (N): 253452.9	Y (N): 253452.9
X (E): 2019901.52	X (E): 2019245.77	X (E): 2019245.77	X (E): 2019245.77
DATUM: NAD83	DATUM: NAD83	DATUM: NAD83	DATUM: NAD83
LAT: 35° 41' 45.41"N	LAT: 35° 41' 46.73"N	LAT: 35° 41' 46.73"N	LAT: 35° 41' 46.73"N
LONG: 97° 55' 59.91"W	LONG: 97° 56' 07.86"W	LONG: 97° 56' 07.86"W	LONG: 97° 56' 07.86"W
LAT: 35.695948°N	LAT: 35.696313°N	LAT: 35.696313°N	LAT: 35.696313°N
LONG: 97.933308°W	LONG: 97.935516°W	LONG: 97.935516°W	LONG: 97.935516°W
Y (N): 253344.11	Y (N): 253476.82	Y (N): 253476.82	Y (N): 253476.82
X (E): 1988303.46	X (E): 1987647.71	X (E): 1987647.71	X (E): 1987647.71

LAST TAKE POINT		BOTTOM HOLE	
DATUM: NAD27	DATUM: NAD27	DATUM: NAD27	DATUM: NAD27
LAT: 35° 40' 05.01"N	LAT: 35° 40' 04.22"N	LAT: 35° 40' 04.22"N	LAT: 35° 40' 04.22"N
LONG: 97° 56' 06.81"W			
LAT: 35.668058°N	LAT: 35.667838°N	LAT: 35.667838°N	LAT: 35.667838°N
LONG: 97.935224°W	LONG: 97.935224°W	LONG: 97.935224°W	LONG: 97.935224°W
Y (N): 243185.13	Y (N): 243105.13	Y (N): 243105.13	Y (N): 243105.13
X (E): 2019241.63	X (E): 2019241.62	X (E): 2019241.62	X (E): 2019241.62
DATUM: NAD83	DATUM: NAD83	DATUM: NAD83	DATUM: NAD83
LAT: 35° 40' 05.18"N	LAT: 35° 40' 04.39"N	LAT: 35° 40' 04.39"N	LAT: 35° 40' 04.39"N
LONG: 97° 56' 07.99"W			
LAT: 35.668106°N	LAT: 35.667886°N	LAT: 35.667886°N	LAT: 35.667886°N
LONG: 97.935552°W	LONG: 97.935553°W	LONG: 97.935553°W	LONG: 97.935553°W
Y (N): 243209.07	Y (N): 243129.07	Y (N): 243129.07	Y (N): 243129.07
X (E): 1987643.64	X (E): 1987643.63	X (E): 1987643.63	X (E): 1987643.63

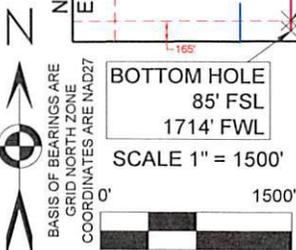
This location has been staked according to the best official survey records available to us. The metrical data shown hereon is for permitting the well location and the section location may or may not be field verified. Please review this plat and notify us immediately of any discrepancy. The metrical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

CERTIFICATE:

I Aaron Morris 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.

 12/14/2018

Aaron L. Morris R.P.L.S. No.1477
 Bennett-Morris & Associates Land Surveying P.C. ~ C.A. No. 5795 (LS)
 Phone (580) 226-5108
 Fax (888) 662-7778
 1010 Northwest Boulevard
 Ardmore, OK 73401



COORDINATES ARE AS SHOWN ARE DERIVED FROM OPUS SOLUTION PROJECTION: OKLAHOMA NORTH ZONE, LAMBERT CONFORMAL HORIZONTAL: NAD27 VERTICAL: NAVD88 GEOID MODEL: GEOID 99 UNITS: US SURVEY FEET

SURVEY BY: M & M Land Surveying, Inc. ~ C.A. No. 3093 (LS)	
DRAWING BY: Bennett-Morris And Associates Land Surveying, P.C.	
© COPYRIGHT 2018 C.A. No. 5975 (LS) ~ Aaron L. Morris, RPLS	
PROJECT NUMBER: 18432	SITE VISIT: (Explanation and Date)
	STAKING DATE: 11/05/2018
SHEET: 6 OF 9	DRAWING DATE: 12/12/2018