

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

API NUMBER: 017 25446

Approval Date: 04/16/2019

Expiration Date: 10/16/2020

Horizontal Hole
Oil & Gas
Multi Unit

PERMIT TO DRILL

WELL LOCATION: Sec: 20 Twp: 14N Rge: 6W

County: CANADIAN

SPOT LOCATION: ☐ NE ☐ SW ☐ SE ☐ SW

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 365 1925

Lease Name: SLASH C

Well No: 1406 4H-17X

Well will be 365 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
4 WATERWAY SQUARE PL STE 100
THE WOODLANDS, TX 77380-2764

ANNA BELLE WIEDEMANN
11721 NW 116TH
YUKON OK 73099

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	8081	6	
2	WOODFORD	8514	7	
3			8	
4			9	
5			10	

Spacing Orders: 618894
692112

Location Exception Orders: 692113
692122

Increased Density Orders: 690055
690056
690057
690058

Pending CD Numbers:

Special Orders:

Total Depth: 19230

Ground Elevation: 1269

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 290

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: No

PIT 1 INFORMATION

Approved Method for disposal of Drilling Fluids:

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

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 19-36124
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 17 Twp 14N Rge 6W County CANADIAN

Spot Location of End Point: NE NE NE NW

Feet From: NORTH 1/4 Section Line: 85

Feet From: WEST 1/4 Section Line: 2351

Depth of Deviation: 8065

Radius of Turn: 537

Direction: 5

Total Length: 10322

Measured Total Depth: 19230

True Vertical Depth: 8514

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

Notes:

Category

Description

DEEP SURFACE CASING

4/5/2019 - 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

HYDRAULIC FRACTURING

4/5/2019 - 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 - 690055

4/16/2019 - G58 - 17-14N-6W
X618894 MSSP
3 WELLS
NEWFIELD EXPLORATION MID-CONTINENT INC.
1/18/2019

INCREASED DENSITY - 690056

4/16/2019 - G58 - 20-14N-6W
X618894 MSSP
3 WELLS
NEWFIELD EXPLORATION MID-CONTINENT INC.
1/18/2019

This permit does not address the right of entry or settlement of surface damages.

017 25446 SLASH C 1406 4H-17X

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.

Category	Description
INCREASED DENSITY - 690057	4/16/2019 - G58 - 17-14N-6W X618894 WDFD 3 WELLS NEWFIELD EXPLORATION MID-CONTINENT INC. 1/18/2019
INCREASED DENSITY - 690058	4/16/2019 - G58 - 20-14N-6W X618894 WDFD 3 WELLS NEWFIELD EXPLORATION MID-CONTINENT INC. 1/18/2019
LOCATION EXCEPTION - 692113	4/16/2019 - G58 - (I.O.) 17 & 20-14N-6W X618894 MSSP, WDFD COMPL. INT. 20-14N-6W NCT 165' FSL, NCT 0' FNL, NCT 1980' FWL COMPL. INT. 17-14N-6W NCT 0' FSL, NCT 165' FNL, NCT 1980' FWL NEWFIELD EXPLORATION MID-CONTINENT INC. 2/27/2019
LOCATION EXCEPTION - 692122	4/16/2019 - G58 - (I.O.) 17 & 20-14N-6W X165:10-3-28(C)(2)(B) MSSP, WDFD (SLASH C 1406 4H-17X) MAY BE CLOSER THAN 600' TO EXISTING/PROPOSED WELL 2/27/2019
MEMO	4/5/2019 - G71 - PIT 1 & 2 - CLOSED SYSTEM = STEEL PITS PER OPERATOR REQUEST, WBM/CUTTINGS & OBM CUTTINGS CAPTURED IN STEEL HALF PITS, WBM CUTTINGS WILL BE SOIL FARMED, WBM/OBM CUTTINGS TRANSFERRED TO R360 587498 (31-12N-8W), CANADIAN CO; PIT 3 - OBM TO VENDOR
SPACING - 618894	4/16/2019 - G58 - (640)(HOR) 17 & 20-14N-6W VAC 121298 MISS, OTHER (SW4 SEC 20) VAC 127809 OTHER (SEC 17) VAC 127809 MISS (NW4 & S2 SEC 17) VAC 121298/186831 MISS, OTHER (W2, E2 NE4 & E2 SE4 SEC 20) EXT 608194 MSSP, WDFD, OTHER POE TO BHL (MSSP) NLT 660' FB POE TO BHL (WDFD) NLT 165 FNL/FSL, NLT 330 FEL/FWL (COEXIST WITH SP. 127809 MISS SE4 NE4 SEC 17; SP. 121298/186831 MISS SW4 SE4 SEC 20; SP. 121298/186831 MISS SW4 NE4 SEC 20)
SPACING - 692112	4/16/2019 - G58 - (I.O.) 17 & 20-14N-6W EST MULTIUNIT HORIZONTAL WELL X618894 MSSP, WDFD (WDFD IS ADJACENT CSS TO MSSP) 50% 17-14N-6W 50% 20-14N-6W NEWFIELD EXPLORATION MID-CONTINENT INC. 2/27/2019

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

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

Company Name: NEWFIELD EXPLORATION MID-CONTINENT INC.

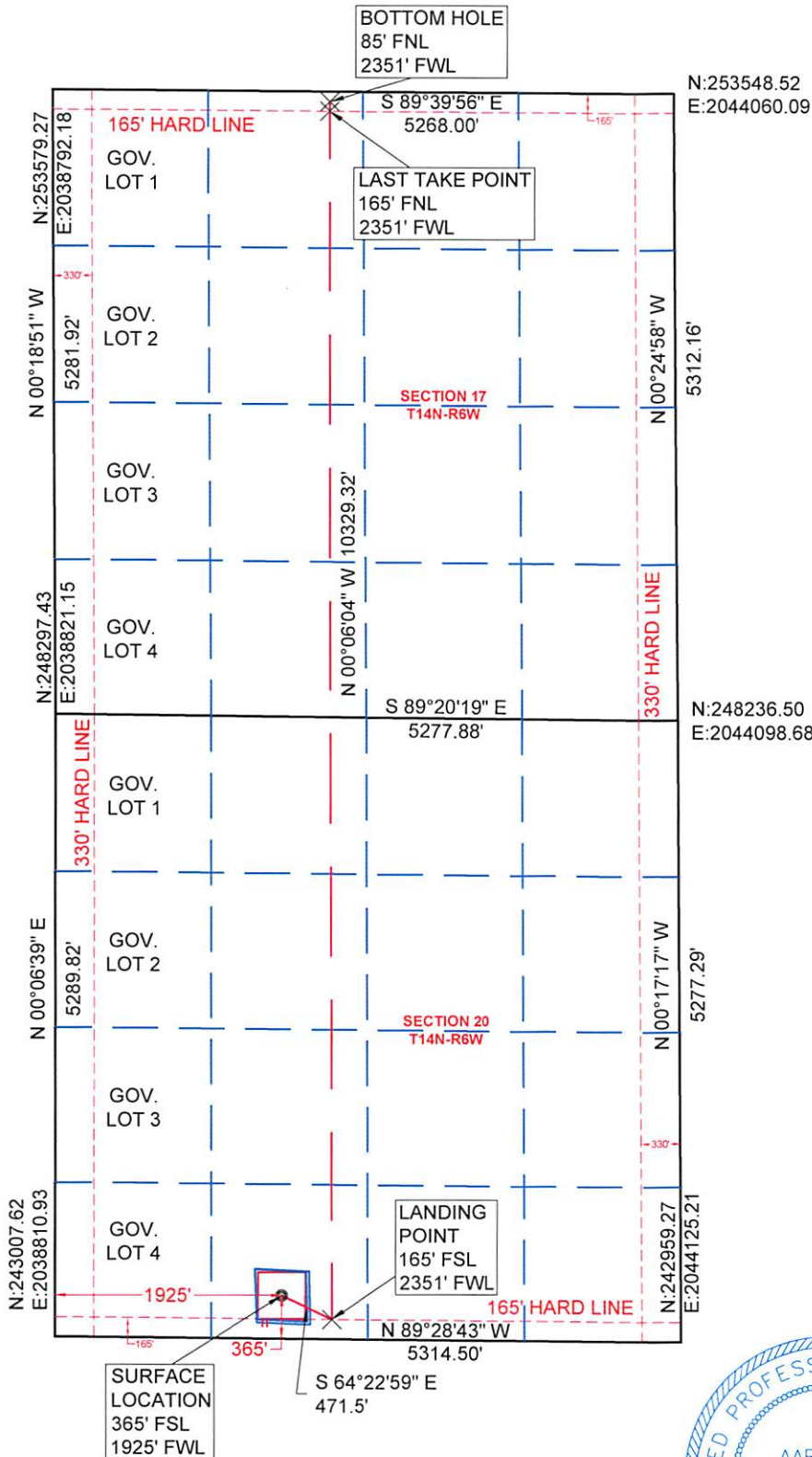
Lease Name: SLASH C 1406 4H-17X

Section 20 Township 14 N Range 6 W , I.B.M. County of Canadian, State of Oklahoma
Elevation Good Location?

Original Location: 365' FSL - 1925' FWL 1269' GROUND YES

Distance & Direction From Nearest Town: 7.5 miles Southeast of Okarche

017-25446



SURFACE LOCATION

DATUM: NAD27
LAT: 35° 40' 06.47"N
LONG: 97° 51' 46.30"W
LAT: 35.668464°N
LONG: 97.862862°W
STATE PLANE
COORDINATES: (US
SURVEY FEET)
ZONE: NORTH ZONE
Y (N): 243355.21
X (E): 2040736.38

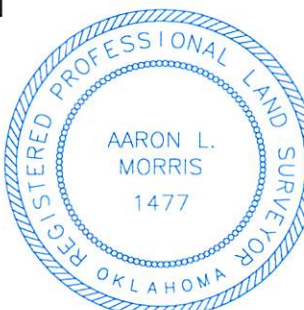
DATUM: NAD83
LAT: 35° 40' 06.65"N
LONG: 97° 51' 47.48"W
LAT: 35.668513°N
LONG: 97.863189°W
STATE PLANE
COORDINATES: (US
SURVEY FEET)
ZONE: NORTH ZONE
Y (N): 243379.32
X (E): 2009138.39

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 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.



Aaron L. Morris 11/08/2018
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

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: 18454	SITE VISIT: (Explanation and Date)
SHEET: 6 OF 10	STAKING DATE: 9/27/2018
	DRAWING DATE: 11/1/2018