

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

API NUMBER: 073 26302

Approval Date: 10/03/2018

Expiration Date: 04/03/2020

Horizontal Hole

Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 28 Twp: 17N Rge: 8W

County: KINGFISHER

SPOT LOCATION:

NE

NE

NE

NW

FEET FROM QUARTER: FROM

NORTH

FROM

WEST

SECTION LINES:

265

2330

Lease Name: JR BARTON

Well No: 1708 2H-28X

Well will be 265 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
THE WOODLANDS, TX 77380-2764

JARROD JASON BARTON
12005 E. 780 ROAD
KINGFISHER OK 73750

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	8287	6	
2	MISSISSIPPIAN (LESS CHESTER)	8287	7	
3	WOODFORD	8864	8	
4			9	
5			10	

Spacing Orders: 650033

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201805937
201805938
201805950
201805939
201805940

Special Orders:

Total Depth: 18874

Ground Elevation: 1131

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 220

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: CEDAR HILLS

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 18-35309

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: CEDAR HILLS

HORIZONTAL HOLE 1

Sec 33 Twp 17N Rge 8W County KINGFISHER

Spot Location of End Point: S2 S2 S2 SW

Feet From: SOUTH 1/4 Section Line: 85

Feet From: WEST 1/4 Section Line: 1320

Depth of Deviation: 7962

Radius of Turn: 382

Direction: 190

Total Length: 10311

Measured Total Depth: 18874

True Vertical Depth: 8864

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

Notes:

Category

Description

DEEP SURFACE CASING

9/11/2018 - 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

9/11/2018 - 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

INTERMEDIATE CASING

10/3/2018 - G57 - DUE TO THE KNOWN POTENTIAL RISK OF ENCOUNTERING AN OVERPRESSURED ZONE IN THE MORROW SERIES IN THIS AREA, THE TECHNICAL MANAGER RECOMMENDS SETTING AN INTERMEDIATE STRING OF CASING IMMEDIATELY ABOVE THE MORROW SERIES

MEMO

9/11/2018 - 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 2 - OBM TO VENDOR

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 26302 JR BARTON 1708 2H-28X

Category	Description
PENDING CD - 201805937	10/3/2018 - G57 - (I.O.) 28-17N-8W X650033 MSNLC 5 WELLS NO OP. NAMED REC 9-25-2018 (MILLER)
PENDING CD - 201805938	10/3/2018 - G57 - (I.O.) 33-17N-8W X650033 MSSP, WDFD 5 WELLS NO OP. NAMED REC 9-25-2018 (MILLER)
PENDING CD - 201805939	10/3/2018 - G57 - (I.O.) 28 & 33-17N-8W EST MULTIUNIT HORIZONTAL WELL X650033 MSNLC, WDFD 28-17N-8W X650033 MSSP, WDFD 33-17N-8W (WDFD IS AN ADJACENT COMMON SOURCE OF SUPPLY TO THE MSNLC & MSSP) 50% 28-17N-8W 50% 33-17N-8W NO OP. NAMED REC 9-25-2018 (MILLER)
PENDING CD - 201805940	10/3/2018 - G57 - (I.O.) 28 & 33-17N-8W X650033 MSNLC, WDFD 28-17N-8W X650033 MSSP, WDFD 33-17N-8W SHL NW4 28-17N-8W COMPL. INT.(28-17N-8W) NCT 165' FNL, NCT 0' FSL, NCT 990' FWL COMPL. INT.(33-17N-8W) NCT 0' FNL, NCT 165' FSL, NCT 990' FWL NO OP. NAMED REC 9-25-2018 (MILLER)
PENDING CD - 201805950	10/3/2018 - G57 - (I.O.) 28 & 33-17N-8W X165:10-3-28(C)(2)(B) MSNLC, MSSP (JR BARTON 1708 2H-28X) MAY BE CLOSER THAN 600' TO THE FLOYD CROSS(CROSS UNIT 1), PECK 28-1, G.V. BARNARD A-1, J.F. FISHER 1, J.R. BARTON 1H-28X & PROPOSED HORIZONTAL WELLS NEWFIELD EXPLORATION MID-CONTINENT INC. REC 9-25-2018 (MILLER)
SPACING - 650033	10/3/2018 - G57 - (640)(HOR) 28 & 33-17N-8W EXT 637371 MSSP 33-17N-8W EXT 637371 WDFD 28 & 33-17N-8W EST MSNLC 28-17N-8W POE TO BHL (MSNLC, MSSP) NLT 660' FB POE TO BHL (WDFD) NLT 165' FNL & FSL, NLT 330' FEL & FWL (COEXIST W/ SP. ORDER # 42491 MSCTR 33-17N-8W, ORDER #189915 MNNG N2 33-17N-8W, ORDER #67497/163799/166140 MSSLM 33-17N-8W, ORDER #89974/93777 MSSLM N2 28-17N-8W, ORDER #91707/143505 MSSLM SW4 28-17N-8W, ORDER #91707/143505/164783 MSSLM SE4 28- 17N-8W)

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.

API:073 26302

Lease Name: JR BARTON 1708 2H-28X

Section 28 Township 17 N Range 8 W , I.B.M., County of Kingfisher, State of Oklahoma

Elevation

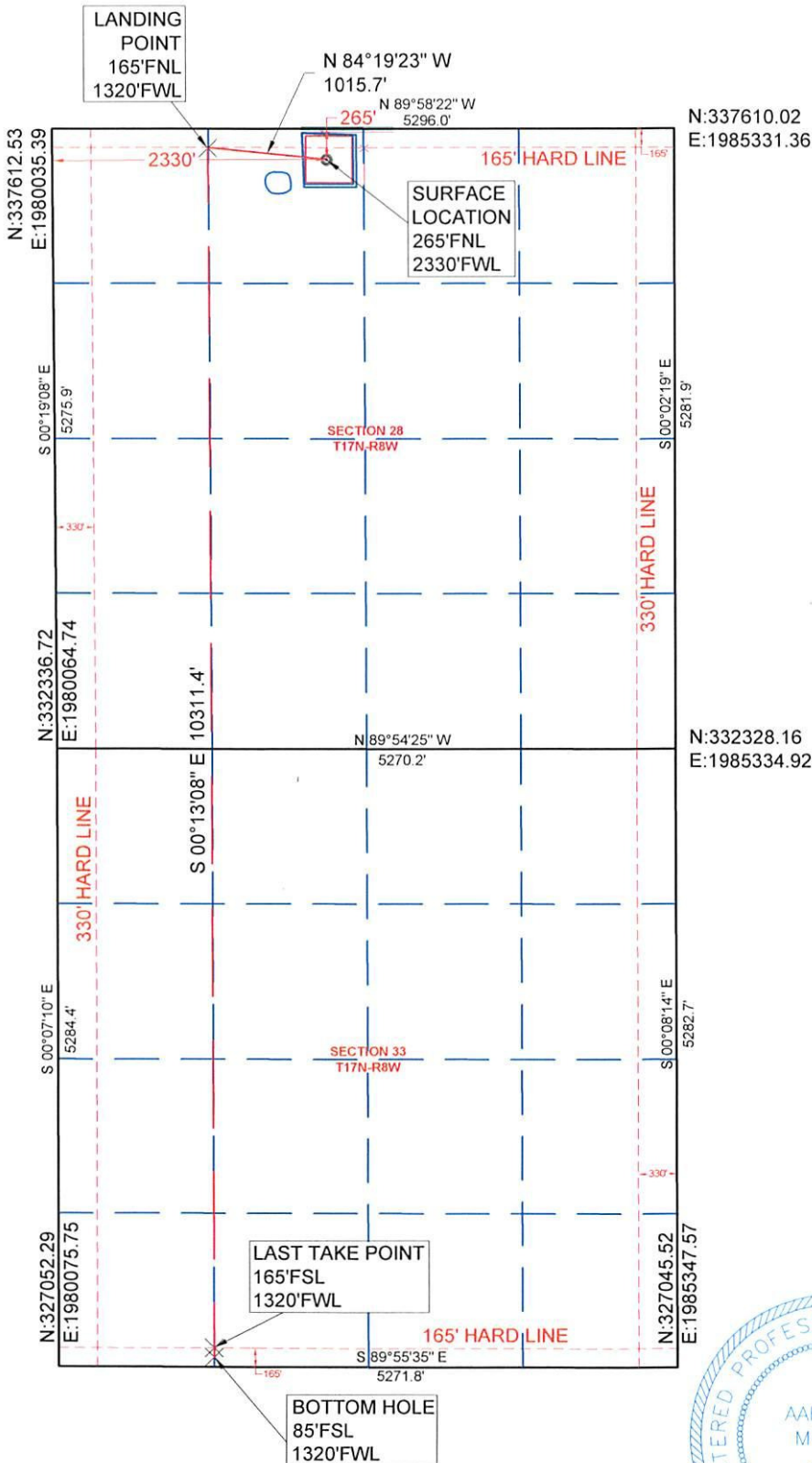
Good Location?

Original Location: 265'FNL - 2330'FWL

1131' GROUND

YES

Distance & Direction From Nearest Town: 8.5 miles Northwest of Kingfisher



SURFACE LOCATION

DATUM: NAD27

LAT: 35° 55' 36.27\"N

LONG: 98° 03' 34.40\"W

LAT: 35.926743°N

LONG: 98.059556°W

STATE PLANE

COORDINATES: (US

SURVEY FEET)

ZONE: NORTH ZONE

Y (N): 337346.44

X (E): 1982366.77

DATUM: NAD83

LAT: 35° 55' 36.42\"N

LONG: 98° 03' 35.61\"W

LAT: 35.926783°N

LONG: 98.059893°W

STATE PLANE

COORDINATES: (US

SURVEY FEET)

ZONE: NORTH ZONE

Y (N): 337370.17

X (E): 1950767.4

DATA DERIVED FROM

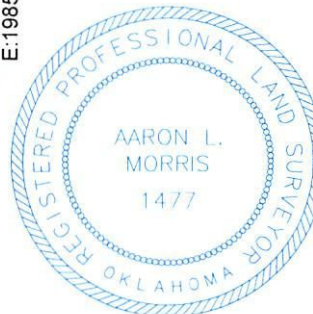
G.P.S. WITH O.P.U.S.

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.



[Signature] 08/21/2018

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 2017 C.A. No. 5975 (LS) ~ Aaron L. Morris, RPLS	
PROJECT NUMBER:	SITE VISIT: (Explanation and Date)
18265	STAKING DATE: 06/21/2018
SHEET: 6 OF 10	DRAWING DATE: 07/12/2018