

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

API NUMBER: 087 22109

Approval Date: 02/16/2018

Expiration Date: 08/16/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 12 Twp: 6N Rge: 4W

County: MCCLAIN

SPOT LOCATION: ☐ NW ☐ SW ☐ SW ☐ SW

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 635 295

Lease Name: TDR

Well No: 0406 1H-14X

Well will be 295 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

THOMAS D. RUNYAN
15662 200TH STREET
PURCELL OK 73080

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	10020	6	
2	WOODFORD	10171	7	
3			8	
4			9	
5			10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201706264
201706265
201706266

Special Orders:

Total Depth: 20349

Ground Elevation: 1168

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 110

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: ON SITE

A. Evaporation/dewater and backfilling of reserve pit.

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 located in a Hydrologically Sensitive Area.

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

H. SEE MEMO

Category of Pit: 4

Liner not required for Category: 4

Pit Location is BED AQUIFER

Pit Location Formation: DUNCAN

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

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: 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

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 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 23 Twp 6N Rge 4W County MCCLAIN

Spot Location of End Point: SW SE SE SE

Feet From: SOUTH 1/4 Section Line: 50

Feet From: EAST 1/4 Section Line: 350

Depth of Deviation: 9489

Radius of Turn: 382

Direction: 185

Total Length: 10260

Measured Total Depth: 20349

True Vertical Depth: 10391

End Point Location from Lease,

Unit, or Property Line: 50

Notes:

Category

Description

DEEP SURFACE CASING

1/19/2018 - 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

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.

087 22109 TDR 0406 1H-14X

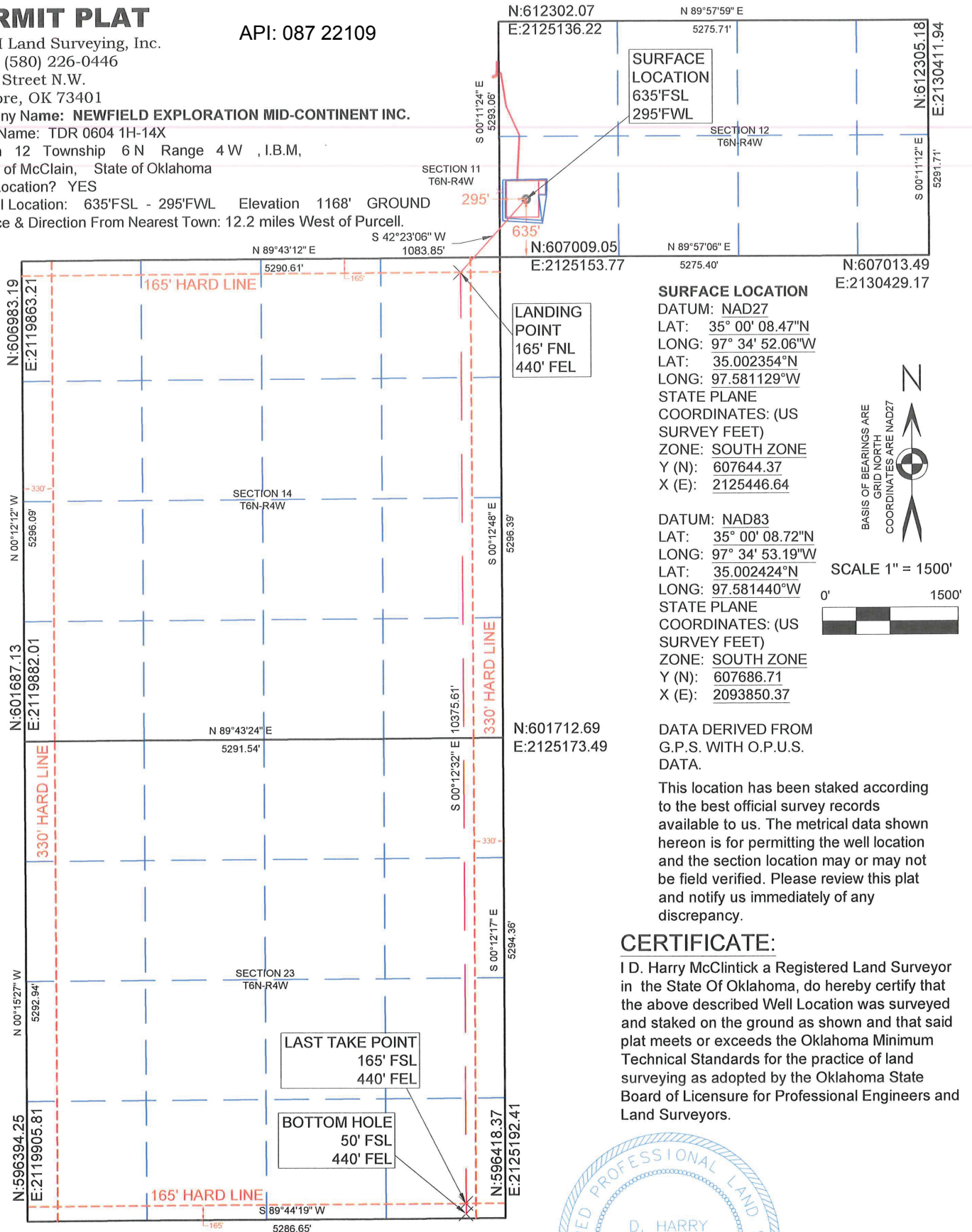
Category	Description
HYDRAULIC FRACTURING	<p>1/19/2018 - G71 - OCC 165:10-3-10 REQUIRES:</p> <p>1) PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS FOR HORIZONTAL WELLS, NOTICE GIVEN FIVE BUSINESS DAYS IN ADVANCE TO OFFSET OPERATORS WITH WELLS COMPLETED IN THE SAME COMMON SOURCE OF SUPPLY WITHIN 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>
MEMO	<p>1/19/2018 - G71 - PIT 2 & 3 - CLOSED SYSTEM = STEEL PITS PER OPERATOR REQUEST, 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>
PENDING CD - 201706264	<p>1/22/2018 - G57 - (E.O.)(640)(HOR) 14 & 23-6N-4W VAC 236080 MSSLM SE4 23-6N-4W VAC 327230 MSSLM NE4 23-6N-4W EXT 665610 MSSP, WDFD POE TO BHL (MSSP) NCT 660' FB POE TO BHL (WDFD) NCT 165' FNL & FSL, NCT 330' FEL & FWL REC 2-16-2018 (P. PORTER)</p>
PENDING CD - 201706265	<p>1/22/2018 - G57 - (E.O.) 14 & 23-6N-4W EST MULTIUNIT HORIZONTAL WELL ** (MSSP ADJACENT COMMON SOURCE OF SUPPLY TO WDFD) 50% 14-6N-4W 50% 23-6N-4W NEWFIELD EXPLORATION MID-CONTINENT INC. REC 2-16-2018 (P. PORTER)</p>
PENDING CD - 201706266	<p>**S/B X201706264 MSSP, WDFD; WILL BE CORRECTED AT THE HEARING FOR THE FINAL ORDER PER ATTORNEY FOR OPERATOR</p> <p>1/22/2018 - G57 - (E.O.) 14 & 23-6N-4W ++ SHL NE4 14-6N-4W** COMPL. INT. (14-6N-4W) NCT 165' FNL, NCT 0' FSL, NCT 330' FEL COMPL. INT. (23-6N-4W) NCT 0' FNL, NCT 165' FSL, NCT 330' FEL NO OP. NAMED REC 2-16-2018 (P. PORTER)</p> <p>**S/B SW4 SHL 12-6N-4W; WILL BE CORRECTED AT THE HEARING FOR THE FINAL ORDER PER ATTORNEY FOR OPERATOR ++X201706264 MSSP, WDFD; WILL BE CORRECTED AT THE HEARING FOR THE FINAL ORDER PER ATTORNEY FOR OPERATOR</p>

PERMIT PLAT

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

API: 087 22109

Company Name: **NEWFIELD EXPLORATION MID-CONTINENT INC.**
Lease Name: TDR 0604 1H-14X
Section 12 Township 6 N Range 4 W, I.B.M.,
County of McClain, State of Oklahoma
Good Location? YES
Original Location: 635'FSL - 295'FWL Elevation 1168' GROUND
Distance & Direction From Nearest Town: 12.2 miles West of Purcell.



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
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:	SITE VISIT: (Explanation and Date)
18006	STAKING DATE: 10/10/2017
SHEET: 6 OF 10	DRAWING DATE: 01/10/2018