API NUMBER: 043 23630

Oil & Gas

Horizontal Hole

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

Approval Date: 05/22/2018
Expiration Date: 11/22/2018

PERMIT TO DRILL

WELL LOCATION: Sec: 20 Twp: 19N Rge: 15W County: DEWEY

SPOT LOCATION: SE SW SW FEET FROM QUARTER: FROM SOUTH FROM WEST SECTION LINES: 250 400

Lease Name: CLARK Well No: 1915 1H-20 Well will be 250 feet from nearest unit or lease boundary.

Operator 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

LORETTA GAIL COLE TRUST

59757 N. 2230 RD

SEILING OK 73663

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

Name Depth Name Depth MISSISSIPPIAN 1 10049 6 2 WOODFORD 10889 7 3 8 4 9 10 676147 Spacing Orders: Location Exception Orders: Increased Density Orders:

Pending CD Numbers: 201800785 Special Orders:

Total Depth: 15117 Ground Elevation: 1921 Surface Casing: 560 Depth to base of Treatable Water-Bearing FM: 310

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

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

B. Solidification of pit contents.

Is depth to top of ground water greater than 10ft below base of pit? Y

Within 1 mile of municipal water well? N

H. SEE MEMO

Infinity 1 mile of municipal water well? N

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

Wellhead Protection Area? N

E. Haul to Commercial pit facility: Sec. 31 Iwn. 12N Rng. 8W Cnty. 17 Order No: 5874

Pit is located in a Hydrologically Sensitive Area.

Category of Pit: 4

Liner not required for Category: 4

Pit Location is BED AQUIFER

Pit Location Formation: CLOUD CHIEF

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

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 located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is BED AQUIFER

Pit Location Formation: CLOUD CHIEF

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: CLOUD CHIEF

HORIZONTAL HOLE 1

Sec 20 Twp 19N Rge 15W County DEWEY

Spot Location of End Point: N2 N2 NW NW

Feet From: NORTH 1/4 Section Line: 50
Feet From: WEST 1/4 Section Line: 660

Depth of Deviation: 9473 Radius of Turn: 382

Direction: 2

Total Length: 5043

Measured Total Depth: 15117

True Vertical Depth: 10889

End Point Location from Lease,
Unit, or Property Line: 50

Notes:

Category Description

HYDRAULIC FRACTURING 5/16/2018 - 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 5/16/2018 - G71 - DUE TO THE KNOWN POTENTIAL RISK OF ENCOUNTERING AN OVER-

PRESSURED ZONE IN THE MORROW SERIES IN THIS AREA, THE TECHNICAL MANAGER RECOMMENDS SETTING AN INTERMEDIATE STRING OF CASING IMMEDIATELY ABOVE THE

MORROW SERIES

MEMO 5/16/2018 - G71 - PIT 2 & 3 - CLOSED SYSTEM = STEEL PITS PER OPERATOR REQUEST,

WBM/CUTTINGS & OBM CUTTINGS CAPTURED IN STEEL HALF PITS & TRANSFERRED TO R360

587498 (31-12N-8W), CANADIAN CO; PIT 3 - OBM TO VENDOR

PENDING CD - 201800785 5/21/2018 - G57 - (I.O.) 20-19N-15W

X676147 MSSP, WDFD

COMPL. INT. NCT 165' FSL, NCT 165' FNL, NCT 330' FWL

NEWFIELD EXPLORATION MID-CONTINENT, INC.

REC 2-20-2018 (JOHNSON)

SPACING - 676147 5/21/2018 - G57 - (640)(HOR) 20-19N-15W

EXT 669159 MSSP, WDFD POE TO BHL (MSSP) NCT 660' FB

POE TO BHL (WDFD) NCT 165' FNL & FSL, NCT 330' FEL & FWL

(COEXIST WITH SP. ORDER 120278 CSTR)

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: CLARK 1915 1H 20

Section 20 Township 19 N Range 15 W , I.B.M, County of Dewey, State of Oklahoma

S 89°24'10" E

Elevation Good Location? 1921' GROUND YES

Original Location: 250'FSL - 400'FWL 1921' GROUND Distance & Direction From Nearest Town: 6.1 miles Southeast of Seiling

BASIS OF BEARINGS ARE GRID NORTH COORDINATES ARE NAD27

API: 043 23630

SCALE 1" = 1000'



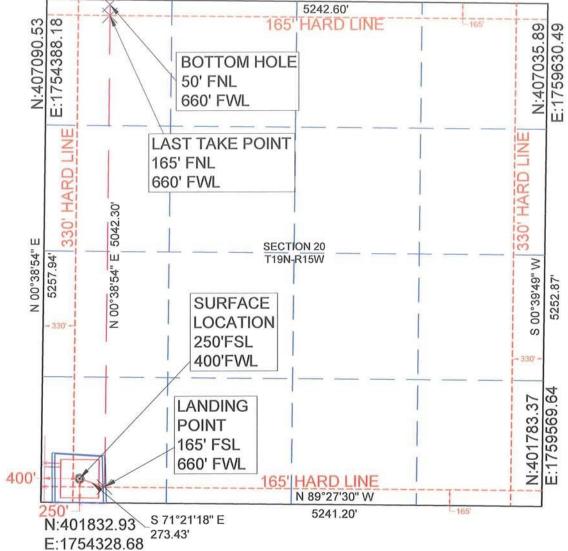
SURFACE LOCATION
DATUM: NAD27
LAT: 36° 06' 06.15"N
LONG: 98° 49' 48.86"W
LAT: 36.101708°N
LONG: 98.830239"W
STATE PLANE
COORDINATES: (US
SURVEY FEET)
ZONE: NORTH ZONE
Y (N): 402079.11
X (E): 1754731.49

DATUM: NAD83 LAT: 36° 06' 06.30"N LONG: 98° 49' 50.19"W LAT: 36.101749"N LONG: 98.830609°W STATE PLANE

COORDINATES: (US SURVEY FEET) ZONE: NORTH ZONE Y (N): 402105.33 X (E): 1723128.25

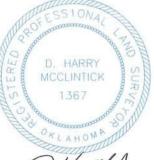
DATA DERIVED FROM G.P.S. WITH O.P.U.S. DATA.

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 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 PLS. No.1367 CFEDS

| SURVEY BY: M & M | Land Surveying, Inc. ~ C.A. No. 3093 (LS) |
|--------------------|--|
| DRAWING BY: Bennet | t-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) |
| 18031 | STAKING DATE: 01/17/2018 |
| SHEET: 6 OF 10 | DRAWING DATE: 02/18/2018 |