

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

API NUMBER: 073 26532

Approval Date: 04/09/2019

Expiration Date: 10/09/2020

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 33 Twp: 19N Rge: 5W

County: KINGFISHER

SPOT LOCATION: ☐ NE ☐ SW ☐ SE ☐ SE

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 627 764

Lease Name: DONALD

Well No: 33-M4NH

Well will be 627 feet from nearest unit or lease boundary.

Operator Name: SK NEMAHA LLC

Telephone: 7133955141

OTC/OCC Number: 24221 0

SK NEMAHA LLC
11700 KATY FWY STE 900
HOUSTON, TX 77079--1222

STEPHEN & SHARON POLLARD
12335 NORTH 2920 ROAD
DOVER OK 73734

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	6130	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 642507
646419

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201901867
201901868

Special Orders:

Total Depth: 11080

Ground Elevation: 1043

Surface Casing: 350

Depth to base of Treatable Water-Bearing FM: 120

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 not located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is NON HSA

Pit Location Formation: FAIRMONT

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 19-36135
H. CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST

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.

HORIZONTAL HOLE 1

Sec 33 Twp 19N Rge 5W County KINGFISHER

Spot Location of End Point: NW NE NE NE

Feet From: NORTH 1/4 Section Line: 165

Feet From: EAST 1/4 Section Line: 380

Depth of Deviation: 5544

Radius of Turn: 382

Direction: 5

Total Length: 4936

Measured Total Depth: 11080

True Vertical Depth: 6130

End Point Location from Lease,
Unit, or Property Line: 165

Notes:

Category

Description

HYDRAULIC FRACTURING

3/26/2019 - 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

PENDING CD - 201901867

4/8/2019 - G75 - 33-19N-5W
X642507/646419 MSSP
1 WELL
NO OP NAMED
REC 4-8-2019 (DENTON)

PENDING CD - 201901868

4/8/2019 - G75 - (I.O.) 33-19N-5W
X642507/646419 MSSP
SHL NCT 627' FSL, NCT 764' FEL
POE NCT 165' FSL, NCT 330' FEL
BHL NCT 165' FNL, NCT 330' FEL
NO OP NAMED
REC 4-8-2019 (DENTON)

SPACING - 642507

4/8/2019 - G75 - (640)(HOR) 33-19N-5W
VAC 44223/62761/129621 MSSLM W2 NW4, NE4, SE4, SW4
EXT 633945 MSSP, OTHER
POE TO BHL NCT 660' FB
(COEXIST SP. ORDER # 44223/62761 MSSLM E2 NW4)

SPACING - 646419

4/8/2019 - G75 - NPT 642507 CORRECTING PARAGRAPHS 5.3 & 9 TO DELETE OSWG

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

073 26532 DONALD 33-M4NH

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.

Sec. 33-19N-5W I.M.



Well Location Plat

Operator: SK NEMAHA

Lease Name and No.: DONALD 33-M4NH

Footage: 627' FSL - 764' FEL Gr. Elevation: 1043'

Section: 33 Township: 19N Range: 5W I.M.

County: Kingfisher State of Oklahoma

Terrain at Loc.: Location fell on an existing pad site.

All bearings shown
are grid bearings.

0' 500' 1000' 1500'

1" = 1000'

GPS DATUM

NAD 83

NAD 27

OK NORTH ZONE

Surface Hole Loc.:
Lat: 36°04'27.14"N
Lon: 97°43'53.75"W
Lat: 36.07420664
Lon: -97.73159759
X: 2047818
Y: 391139

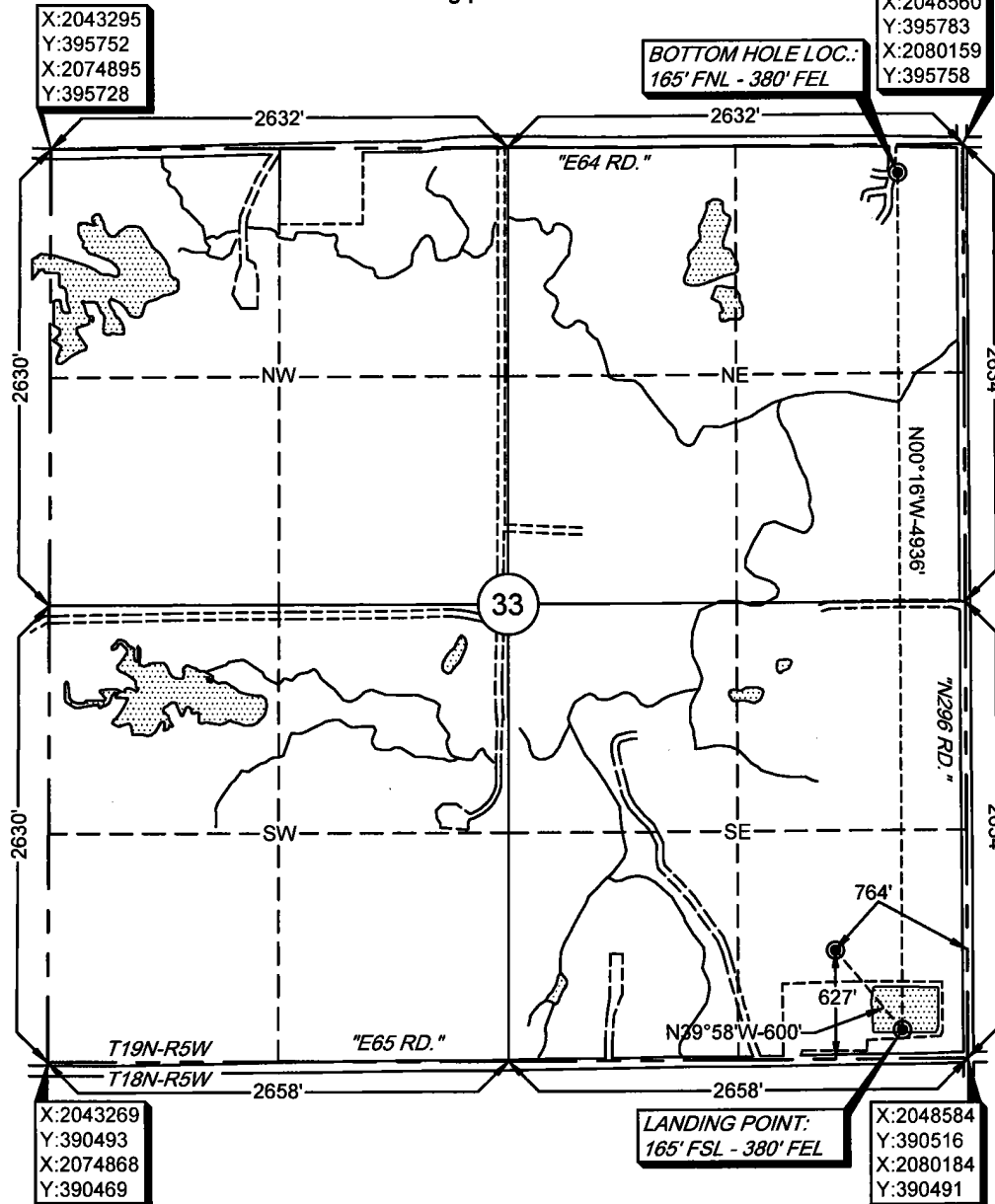
Surface Hole Loc.:
Lat: 36°04'27.00"N
Lon: 97°43'52.57"W
Lat: 36.07416730
Lon: 97.73126841
X: 2079417
Y: 391115

Landing Point:
Lat: 36°04'22.58"N
Lon: 97°43'49.07"W
Lat: 36.07293948
Lon: -97.73029680
X: 2048204
Y: 390679

Landing Point:
Lat: 36°04'22.44"N
Lon: 97°43'47.88"W
Lat: 36.07290011
Lon: 97.72996766
X: 2079803
Y: 390655

Bottom Hole Loc.:
Lat: 36°05'11.40"N
Lon: 97°43'49.18"W
Lat: 36.08650017
Lon: -97.73032718
X: 2048181
Y: 395616

Bottom Hole Loc.:
Lat: 36°05'11.26"N
Lon: 97°43'47.99"W
Lat: 36.08646107
Lon: 97.72999794
X: 2079780
Y: 395591



-Please note that this location was staked on the ground under the supervision of a Licensed Professional Land Surveyor, but the accuracy of this survey is not guaranteed. Please contact Arkoma Surveying and Mapping promptly if any inconsistency is determined. GPS data is observed from RTK - GPS.

-NOTE: X and Y data shown hereon for Section Corners may NOT have been surveyed on-the-ground, and further, does NOT represent a true Boundary Survey.

-Quarter Section distances may be assumed from a Government Survey Plat or assumed at a proportionate distance from opposing section corners, or occupation thereof, and may not have been measured on-the-ground, and further, does not represent a true boundary survey.

Survey and plat by:

Arkoma Surveying and Mapping, PLLC

P.O. Box 238 Wilburton, OK 74578

Ph. 918-465-5711 Fax 918-465-5030

Certificate of Authorization No. 5348

Expires June 30, 2020

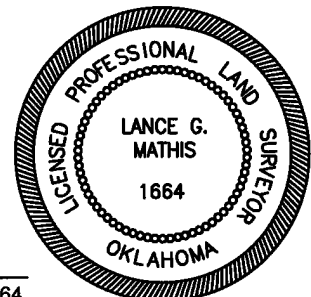
Certification:

This is to certify that this Well Location Plat represents the results of a survey made on the ground performed under the supervision of the undersigned.

Lance G. Mathis
LANCE G. MATHIS

03/13/19

OK LPLS 1664



Invoice #8402-B

Date Staked: 03/04/19 By: D.K.

Date Drawn: 03/08/19 By: C.K.