

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

API NUMBER: 073 26465

Approval Date: 03/05/2019

Expiration Date: 09/05/2020

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 25 Twp: 19N Rge: 6W

County: KINGFISHER

SPOT LOCATION: ☐ SW ☐ SE ☐ SE ☐ SE

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 323 351

Lease Name: JODIE

Well No: 25-M10NH

Well will be 323 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

GEORGIA A VINCENT
827 PARKWOOD AVENUE
C/O MARY RAMONA LAMBERT
TITUSVILLE FL 32796

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	6590	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 662651

Location Exception Orders: 683808

Increased Density Orders: 682243

684617

688993

Pending CD Numbers: 201901256

Special Orders:

Total Depth: 12084

Ground Elevation: 1114

Surface Casing: 350

Depth to base of Treatable Water-Bearing FM: 150

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: SALT PLAINS

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 18-35134

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 25 Twp 19N Rge 6W 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: 370

Depth of Deviation: 6341

Radius of Turn: 477

Direction: 355

Total Length: 4994

Measured Total Depth: 12084

True Vertical Depth: 7038

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

Notes:

Category

Description

EXCEPTION TO RULE - 688993

2/26/2019 - G58 - (I.O.) 25-19N-6W
X165:10-3-28(C)(2)(B) WDFD (JODIE 25-M5NH)
MAY BE CLOSER THAN 600' TO STRECK 1 WELL
SK NEMAHA, LLC
12/28/2018

HYDRAULIC FRACTURING

8/14/2018 - 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: OCCWEB.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 - 682243

9/12/2018 - G58 - 25-19N-6W
X662651 MSSP
4 WELLS
SK NEMAHA, LLC
8/28/2018

LOCATION EXCEPTION - 683808

2/26/2019 - G58 - (I.O.) 25-19N-6W
X662651 MSSP
COMPL. INT. NCT 165' FSL, NCT 165' FNL, NCT 370' FWL**
SK NEMAHA, LLC
9/26/2018

**CORRECTED TO 370' FEL IN NPT 684617

LOCATION EXCEPTION - 684617

2/26/2019 - G58 - NPT TO LOCATION EXCEPTION INTERIM ORDER 683808 TO CORRECT PARAGRAPH 6 FROM 370' FWL TO 370' FEL

PENDING CD - 201901256

2/26/2019 - G58 - (E.O.) 25-19N-6W
X165:10-3-28(C)(2)(B) WDFD (JODIE 25-M10NH)
MAY BE CLOSER THAN 600' TO STANFORTH A-1 WELL
SK NEMAHA, LLC
REC 3/5/2019 (M. PORTER)

SPACING - 662651

9/12/2018 - G58 - (640)(HOR) 25-19N-6W
VAC OTHER
VAC 44960/62761 MSSLM SW4
EXT 645701 MSSP, OTHERS
POE TO BHL NCT 660' FB
(COEXIST SP. ORDER 44960/62761 MSSLM SE4 & ORDER 48265/62761 MSSLM N2)

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

073 26465 JODIE 25-M10NH

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

SURFACE LOCATION, BOTTOM-HOLE
LOCATION & WELL NUMBER

3/5/2019 - G58 - PER REVISED STAKING PLAT

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.



Well Location Plat

Sec. 25-19N-6W I.M.

Operator: SK NEMAHA

073-26465

Lease Name and No.: JODIE 25-M10NH

Footage: 323' FSL - 351' FEL Gr. Elevation: 1110'

Section: 25 Township: 19N Range: 6W I.M.

County: Kingfisher State of Oklahoma

Terrain at Loc.: Location fell on existing pad.

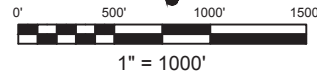
All bearings shown
are grid bearings.

GPS DATUM

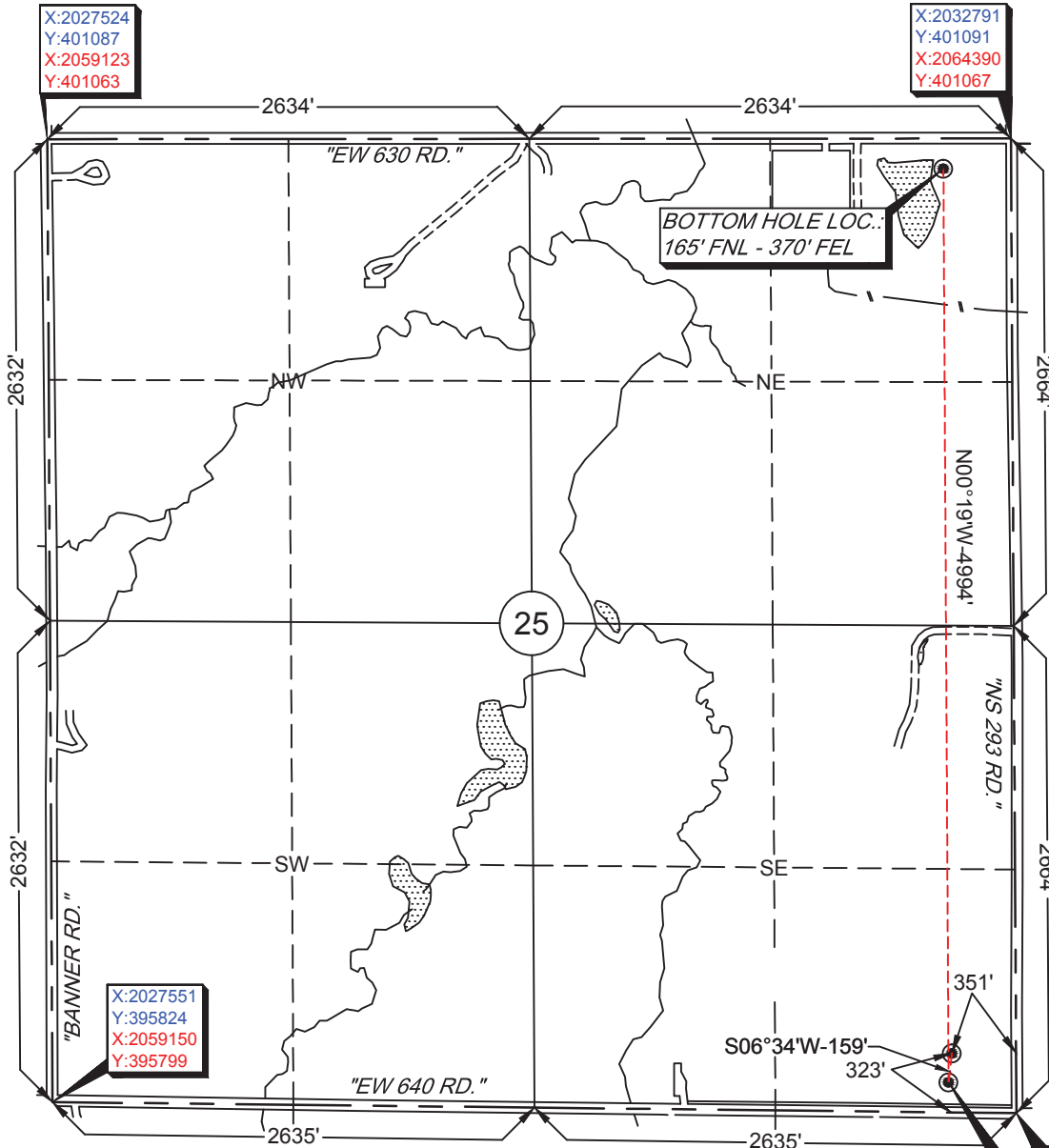
NAD 83

NAD 27

OK NORTH ZONE



Surface Hole Loc.:
Lat: 36°05'16.48"N
Lon: 97°47'00.61"W
Lat: 36.08791115
Lon: -97.78350179
X: 2032468
Y: 396090
Surface Hole Loc.:
Lat: 36°05'16.34"N
Lon: 97°46'59.42"W
Lat: 36.08787235
Lon: -97.78317103
X: 2064067
Y: 396066
Landing Point:
Lat: 36°05'14.92"N
Lon: 97°47'00.83"W
Lat: 36.08747790
Lon: -97.78356444
X: 2032450
Y: 395932
Landing Point:
Lat: 36°05'14.78"N
Lon: 97°46'59.64"W
Lat: 36.08743910
Lon: -97.78323368
X: 2064049
Y: 395908
Bottom Hole Loc.:
Lat: 36°06'04.31"N
Lon: 97°47'01.04"W
Lat: 36.10119686
Lon: -97.78362238
X: 2032422
Y: 400926
Bottom Hole Loc.:
Lat: 36°06'04.17"N
Lon: 97°46'59.85"W
Lat: 36.10115832
Lon: -97.78329150
X: 2064021
Y: 400902



-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

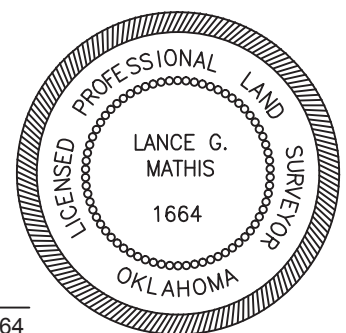
Certification:

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

02/19/19

OK LPLS 1664



Invoice #8099-B

Date Staked: 02/13/19 By: D.K.

Date Drawn: 02/15/19 By: E.W.