

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

API NUMBER: 073 26530

Approval Date: 04/04/2019
Expiration Date: 10/04/2020

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 35 Twp: 19N Rge: 6W County: KINGFISHER
SPOT LOCATION: NE NW NW NE FEET FROM QUARTER: FROM NORTH FROM EAST
SECTION LINES: 301 2295

Lease Name: PHYLLIS Well No: 35-M1SH Well will be 301 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

PHYLLIS ANN MIRKES
6807 N. 2890 RD.
HENNESSEY OK 73742

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	7132	6	
2			7	
3			8	
4			9	
5			10	

Spacing Orders: 661562

Location Exception Orders: 693604
693605

Increased Density Orders:

Pending CD Numbers: 201901334

Special Orders:

Total Depth: 12091

Ground Elevation: 1164

Surface Casing: 395

Depth to base of Treatable Water-Bearing FM: 170

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: No

PIT 1 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: SALT PLAINS

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT)

PERMIT NO: 19-36396

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 35 Twp 19N Rge 6W County KINGFISHER

Spot Location of End Point: SW SE SE SW

Feet From: SOUTH 1/4 Section Line: 165

Feet From: WEST 1/4 Section Line: 2050

Depth of Deviation: 6232

Radius of Turn: 573

Direction: 185

Total Length: 4959

Measured Total Depth: 12091

True Vertical Depth: 7132

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

Notes:

Category

Description

EXCEPTION TO RULE - 693605

4/3/2019 - G75 - (E.O.) 35-19N-6W
X165:10-3-28(C)(2)(B) MSSP (PHYLLIS 35-M1SH)
MAY BE CLOSER THAN 600' TO GLENN K. SUTTON 2-35 & JOHN FELDER 1-35
SK NEMAHA, LLC
3-27-2019

HYDRAULIC FRACTURING

3/19/2019 - 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

LOCATION EXCEPTION - 693604

4/2/2019 - G75 - (E.O.) 35-19N-6W
X661562 MSSP
SHL 301' FNL, 2295' FEL
POE NCT 165' FNL, NCT 330' FWL
BHL NCT 165' FSL, NCT 330' FWL
SK NEMAHA, LLC
3-27-2019

PENDING CD - 201901334

4/3/2019 - G75 - 35-19N-6W
X661562 MSSP
1 WELL
NO OP. NAMED
REC 3-29-2019 (THOMAS)

SPACING - 661562

4/2/2019 - G75 - (640)(HOR) 35-19N-6W
VAC OTHER
VAC 47127 MNNG W2 NE4, W2 SE4
VAC 47396 MSSSD W2 NE4, W2 SE4
EXT 645701 MSSP, OTHERS
POE TO BHL NCT 660' FB
(COEXIST SP. ORDER # 47127 MNNG W2, E2 NE4, E2 SE4 & ORDER # 47396 MSSSD W2, E2 NE4, E2 SE4)



Well Location Plat

S ec. 35-19N-6W I.M.

Operator: SK NEMAHA

Lease Name and No.: PHYLLIS 35-M1SH

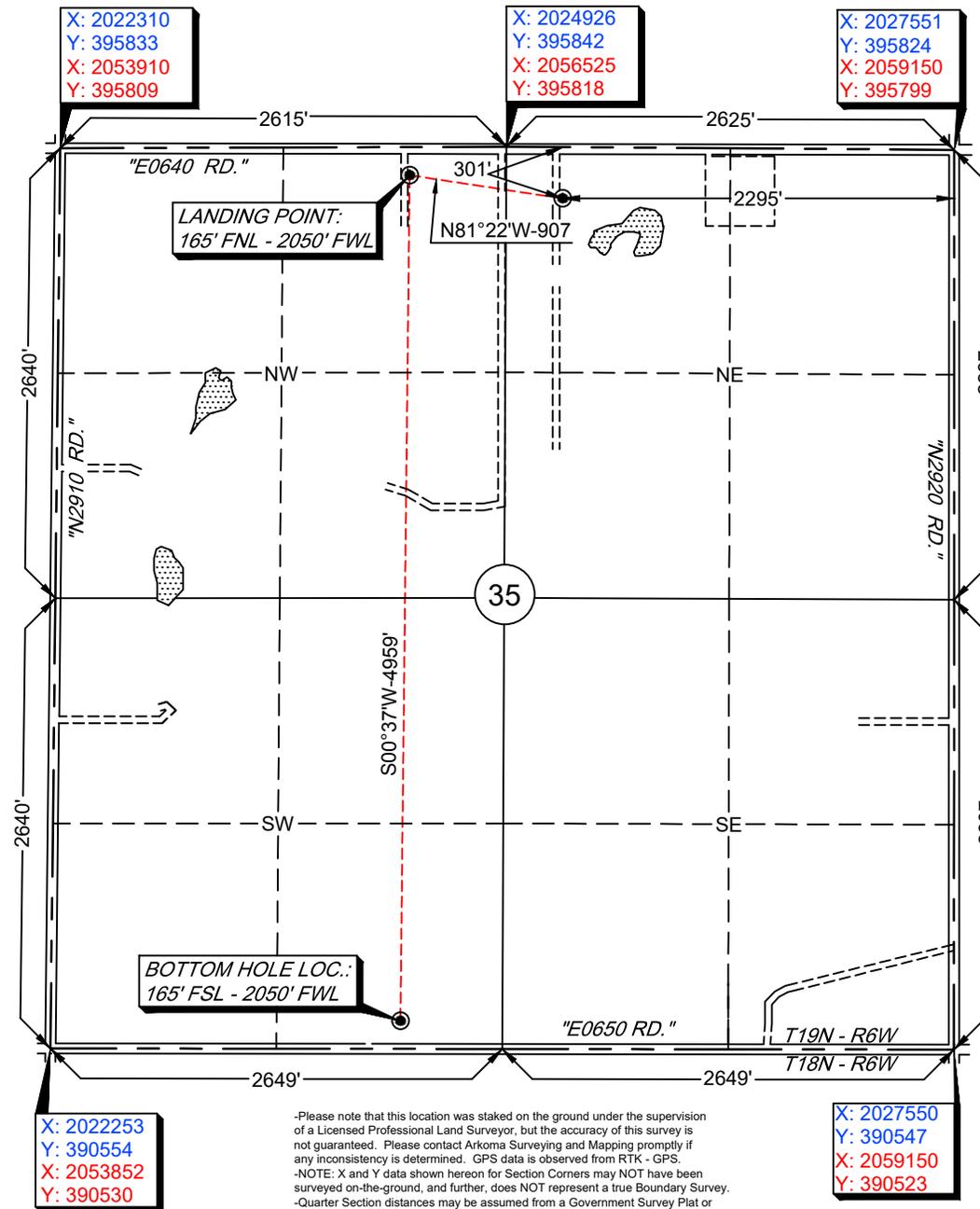
API 073-26530

Footage: 301' FNL - 2295' FEL Gr. Elevation: 1164'

Section: 35 Township: 19N Range: 6W I.M.

County: Kingfisher State of Oklahoma

Terrain at Loc.: Location fell in open pasture, 20' East of North-South 1/4 Section Line.



All bearings shown are grid bearings.

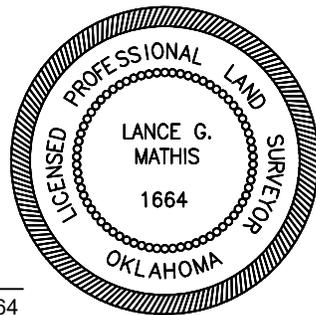
GPS DATUM
NAD 83
NAD 27
OK NORTH ZONE

<p>Surface Hole Loc.:</p> <p>Lat: 36°05'11.18"N Lon: 97°48'28.49"W Lat: 36.08643999 Lon: -97.80791501 X: 2025256 Y: 395539</p>
<p>Surface Hole Loc.:</p> <p>Lat: 36°05'11.04"N Lon: 97°48'27.30"W Lat: 36.08640128 Lon: -97.80758357 X: 2056855 Y: 395515</p>
<p>Landing Point:</p> <p>Lat: 36°05'12.55"N Lon: 97°48'39.42"W Lat: 36.08681893 Lon: -97.81095010 X: 2024359 Y: 395675</p>
<p>Landing Point:</p> <p>Lat: 36°05'12.41"N Lon: 97°48'38.23"W Lat: 36.08678024 Lon: -97.81061859 X: 2055958 Y: 395651</p>
<p>Bottom Hole Loc.:</p> <p>Lat: 36°04'23.51"N Lon: 97°48'40.20"W Lat: 36.07319720 Lon: -97.81116646 X: 2024305 Y: 390717</p>
<p>Bottom Hole Loc.:</p> <p>Lat: 36°04'23.37"N Lon: 97°48'39.01"W Lat: 36.07315826 Lon: -97.81083504 X: 2055904 Y: 390692</p>

-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.



Invoice #8163
Date Staked: 09/12/18 By: R.L.
Date Drawn: 09/14/18 By: J.D.
Rev. Lease Name LP/BHL: 02/22/19 By: E.W.

Lance G. Mathis
LANCE G. MATHIS 02/25/19
OK LPLS 1664