

API NUMBER: 073 26476 A

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

Approval Date: 03/12/2019  
Expiration Date: 09/12/2020

Horizontal Hole Oil & Gas

Amend reason: SHL CORRECTION & ORDER UPDATE

**AMEND PERMIT TO DRILL**

WELL LOCATION: Section: 36 Township: 19N Range: 6W County: KINGFISHER

SPOT LOCATION: SE NW NE NW FEET FROM QUARTER: FROM NORTH FROM WEST  
SECTION LINES: 402 1805

Lease Name: PHYLLIS Well No: 36-M3SH Well will be 402 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

MARVIN & DOROTHY IVEN  
520 N. CHEROKEE ST.  
HENNESSEY OK 73742

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

| Name            | Code    | Depth |
|-----------------|---------|-------|
| 1 MISSISSIPPIAN | 359MSSP | 6624  |

Spacing Orders: 645701

Location Exception Orders: 698315

Increased Density Orders: 695159

Pending CD Numbers: No Pending

Special Orders: No Special Orders

Total Depth: 12295

Ground Elevation: 1127

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

**Approved Method for disposal of Drilling Fluids:**

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 18-35135  
H. CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST

**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

**HORIZONTAL HOLE 1**

Section: 36 Township: 19N Range: 6W

Total Length: 4932

County: KINGFISHER

Measured Total Depth: 12295

Spot Location of End Point: SW SW SW SE

True Vertical Depth: 7395

Feet From: SOUTH 1/4 Section Line: 165

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

Feet From: EAST 1/4 Section Line: 2585

**NOTES:**

This permit does not address the right of entry or settlement of surface damages.  
The duration of this permit is 18 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  |
|---|--|
| HYDRAULIC FRACTURING                    | <p>3/7/2019 - 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: <a href="http://OCCWEB.COM/OG/OGFORMS.HTML">OCCWEB.COM/OG/OGFORMS.HTML</a>; 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: <a href="http://FRACFOCUS.ORG">FRACFOCUS.ORG</a></p> |
| INCREASED DENSITY - 695159 (201901520)  | <p>7/28/2020 - GC2 - 36-19N-6W<br/>X645701 MSSP<br/>3 WELLS<br/>SK NEMAHA, LLC<br/>4-24-2019</p>   |
| LOCATION EXCEPTION - 698315 (201901332) | <p>7/28/2020 - GC2 - (I.O.) 36-19N-6W<br/>X645701 MSSP<br/>SHL 402' FNL, 1,825' FW;<br/>POE NCT 165' FNL, NCT 2,400' FEL<br/>BHL NCT 165' FSL, NCT 2,400' FEL<br/>SK NEMAHA, LLC<br/>6-25-2019</p>   |
| SPACING - 645701                        | <p>3/11/2019 - G75 - (640)(HOR) 36-19N-6W<br/>VAC OTHER<br/>VAC 44960/62761 MSSLM W2, SE4<br/>EXT 642334 MSSP, OTHERS<br/>POE TO BHL NCT 660' FB<br/>(COEXIST SP. ORDER # 44960/62761 MSSLM NE4)</p>   |



# Well Location Plat

Sec. 36-19N-6W I.M.

Operator: SK NEMAHA

Lease Name and No.: PHYLLIS 36-M3SH

Footage: 402' FNL - 1805' FWL Gr. Elevation: 1127'

API: 073-26476A

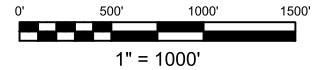
Section: 36 Township: 19N Range: 6W I.M.

County: Kingfisher State of Oklahoma

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



All bearings shown are grid bearings.



GPS DATUM

NAD 83

NAD 27

OK NORTH ZONE

Surface Hole Loc.:

Lat: 36°05'09.73"N

Lon: 97°47'38.54"W

Lat: 36.08603683

Lon: -97.79403977

X: 2029356

Y: 395401

Surface Hole Loc.:

Lat: 36°05'09.59"N

Lon: 97°47'37.35"W

Lat: 36.08599806

Lon: -97.79370873

X: 2060955

Y: 395376

Landing Point:

Lat: 36°05'11.96"N

Lon: 97°47'27.81"W

Lat: 36.08665480

Lon: -97.79105922

X: 2030236

Y: 395628

Landing Point:

Lat: 36°05'11.82"N

Lon: 97°47'26.62"W

Lat: 36.08661601

Lon: -97.79072826

X: 2061835

Y: 395603

Bottom Hole Loc.:

Lat: 36°04'23.18"N

Lon: 97°47'27.85"W

Lat: 36.07310607

Lon: -97.79106875

X: 2030244

Y: 390696

Bottom Hole Loc.:

Lat: 36°04'23.04"N

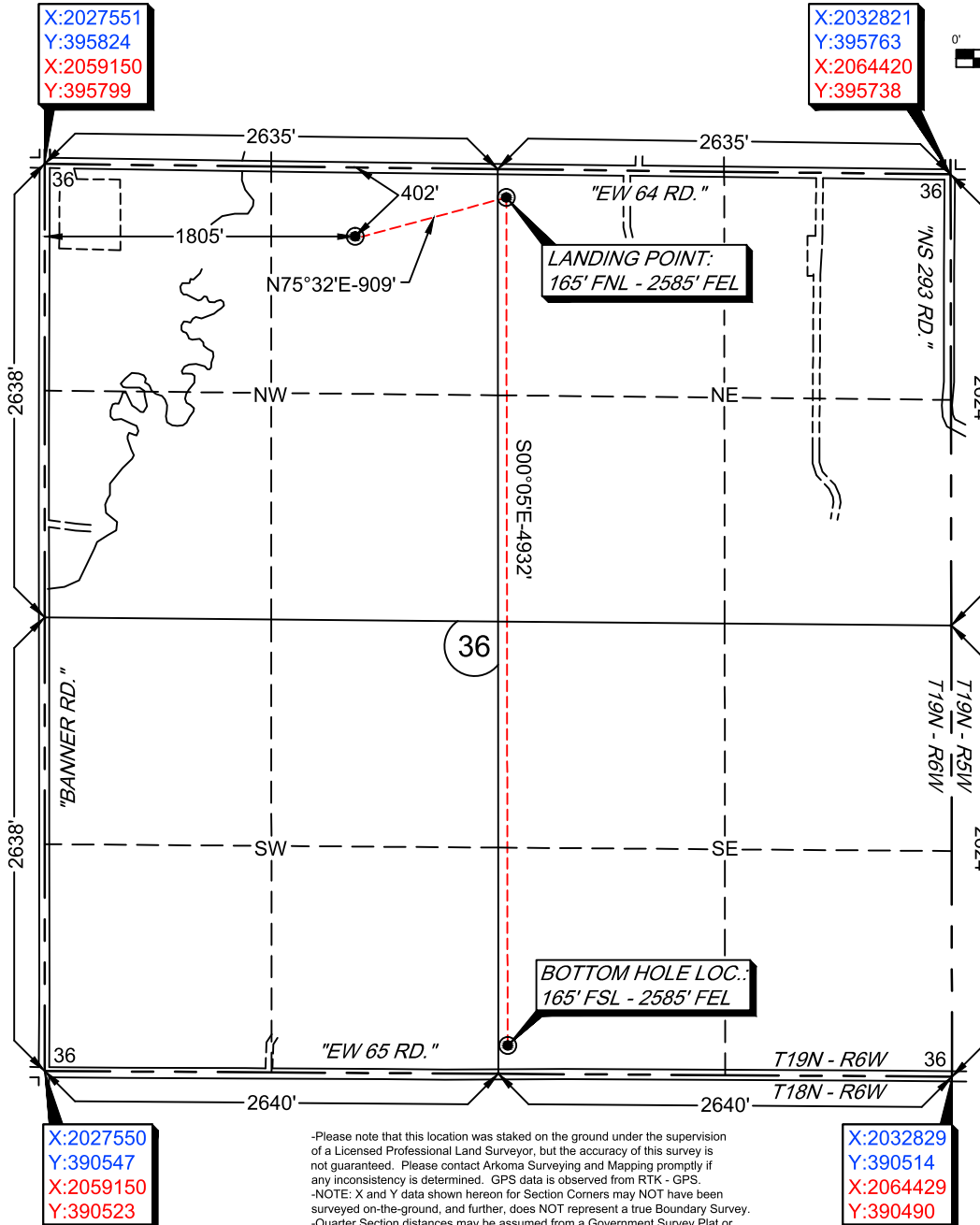
Lon: 97°47'26.66"W

Lat: 36.07306702

Lon: -97.79073789

X: 2061843

Y: 390671



-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

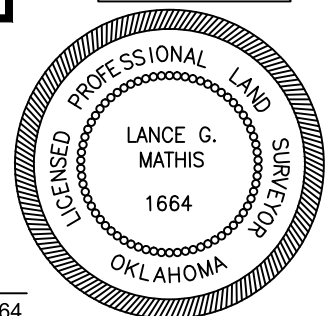
Ph. 918-465-5711 Fax 918-465-5030

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 #7972-C-D

Date Staked: 03/21/19 By: B.A.

Date Drawn: 03/22/19 By: E.W.

*Lance G. Mathis*  
LANCE G. MATHIS

03/25/19

OK LPLS 1664