

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

API NUMBER: 073 26311

Approval Date: 10/11/2018  
Expiration Date: 04/11/2020

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 36 Twp: 19N Rge: 6W

County: KINGFISHER

SPOT LOCATION: ☐ SE ☐ NW ☐ NE ☐ NW

FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 382 1805

Lease Name: PHYLLIS

Well No: 36-O2SH

Well will be 382 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

MARVIN & DOROTHY IVEN  
520 NORTH CHEROKEE STREET  
HENNESSEY OK 73742

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

Name	Depth	Name	Depth
1 OSWEGO	6175	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 645701

Location Exception Orders:

Increased Density Orders: 683702

Pending CD Numbers: 201806270

Special Orders:

Total Depth: 11075

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

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: 18-35541

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 36 Twp 19N Rge 6W County KINGFISHER

Spot Location of End Point: W2 SE SE SW

Feet From: SOUTH 1/4 Section Line: 330

Feet From: WEST 1/4 Section Line: 2300

Depth of Deviation: 5571

Radius of Turn: 573

Direction: 175

Total Length: 4604

Measured Total Depth: 11075

True Vertical Depth: 6175

End Point Location from Lease,  
Unit, or Property Line: 330

## Notes:

### Category

### Description

HYDRAULIC FRACTURING

10/2/2018 - 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](http://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](http://FRACFOCUS.ORG)

INCREASED DENSITY - 683702

10/10/2018 - G75 - 36-19N-6W  
X645701 OSWG  
2 WELLS  
SK NEMAHA, LLC  
9-25-2018

PENDING CD - 201806270

10/10/2018 - G75 - (I.O.) 36-19N-6W  
X645701 OSWG  
COMPL. INT. NCT 330' FNL, NCT 330' FSL, NCT 2300' FWL  
NO OP. NAMED  
REC 8-28-2018 (JACKSON)

SPACING - 645701

10/10/2018 - G75 - (640)(HOR) 36-19N-6W  
VAC OTHER  
VAC 43828/45316 OSWG W2, SE4  
EXT 642334 OSWG, OTHERS  
POE TO BHL NCT 660' FB  
(COEXIST SP. ORDER # 43828/45316 OSWG NE4)

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073 26311 PHYLLIS 36-O2SH



# Well Location Plat

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

Operator: SK NEMAHA

Lease Name and No.: PHYLLIS 36-02SH

API 073-26311

Footage: 382' FNL - 1805' FWL Gr. Elevation: 1127'

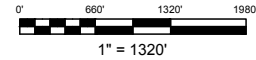
Section: 36 Township: 19N Range: 6W I.M.

County: Kingfisher State of Oklahoma

Terrain at Loc.: Location fell in a plowed field, South of an existing SWD pipeline, gas pipeline, fence, and aerial powerline.



All bearings shown  
are grid bearings.



GPS DATUM

NAD 83

NAD 27

OK NORTH ZONE

Surface Hole Loc.:

Lat: 36°05'09.93"N

Lon: 97°47'38.54"W

Lat: 36.08609259

Lon: -97.79403964

X:2029356

Y:395421

Surface Hole Loc.:

Lat: 36°05'09.79"N

Lon: 97°47'37.35"W

Lat: 36.08605380

Lon: -97.79370858

X: 2060955

Y: 395397

Landing Point:

Lat: 36°05'10.38"N

Lon: 97°47'32.51"W

Lat: 36.08621598

Lon: -97.79236359

X:2029851

Y:395467

Landing Point:

Lat: 36°05'10.24"N

Lon: 97°47'31.32"W

Lat: 36.08617718

Lon: -97.79203259

X: 2061450

Y: 395443

Bottom Hole Loc.:

Lat: 36°04'24.85"N

Lon: 97°47'32.64"W

Lat: 36.07356839

Lon: 97.79239954

X:2029850

Y:390863

Bottom Hole Loc.:

Lat: 36°04'24.71"N

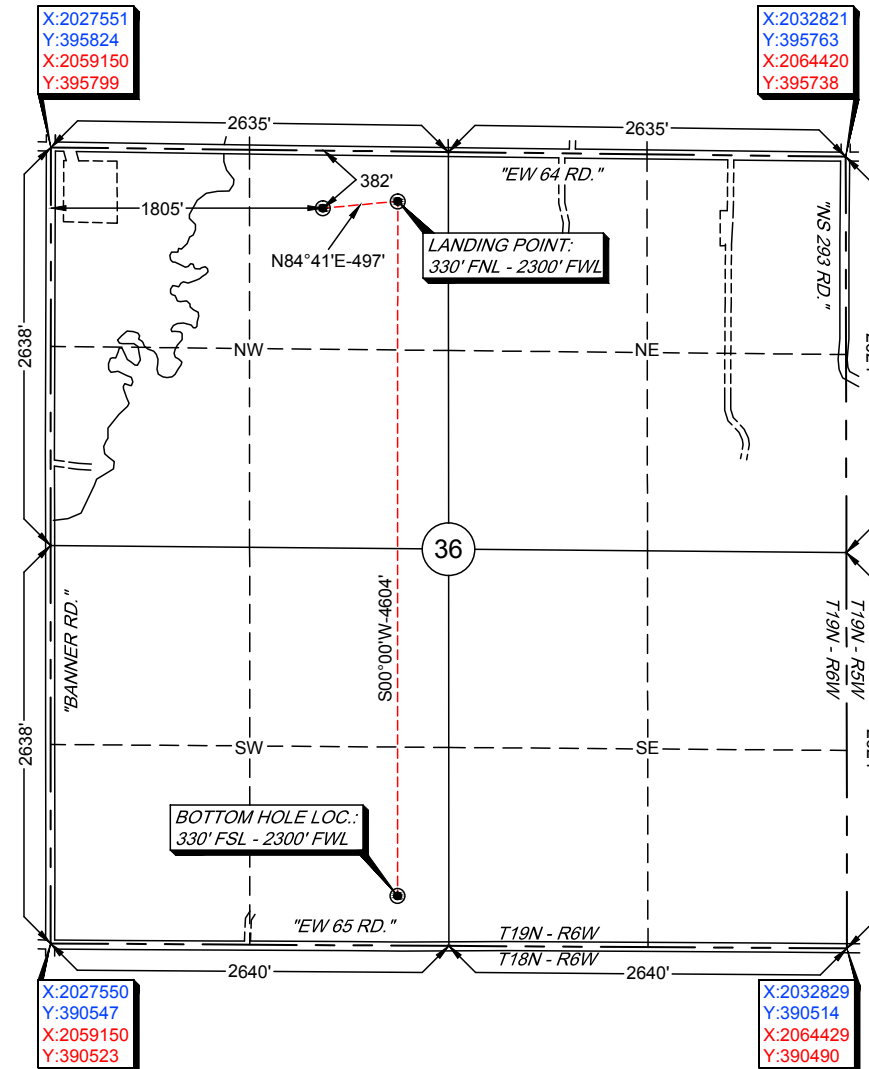
Lon: 97°47'31.45"W

Lat: 36.07352935

Lon: -97.79206865

X: 2061450

Y: 390839



-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

Invoice #7972-A

Date Staked: 08/30/18

Date Drawn: 09/05/18

By: D.K.

By: J.K.

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

09/05/18

OK LPLS 1664

