

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

API NUMBER: 073 26476

Approval Date: 03/12/2019

Expiration Date: 09/12/2020

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: 402 1825

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--1222

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

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	6624	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 645701

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201901332
201901520

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

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: 18-35135
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: SW SW SW SE

Feet From: SOUTH 1/4 Section Line: 165

Feet From: EAST 1/4 Section Line: 2585

Depth of Deviation: 6463

Radius of Turn: 573

Direction: 175

Total Length: 4932

Measured Total Depth: 12295

True Vertical Depth: 7395

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

Notes:

Category

Description

HYDRAULIC FRACTURING

3/7/2019 - 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 - 201901332

3/12/2019 - G75 - (E.O.) 36-19N-6W
X645701 MSSP
POE NCT 165' FNL, NCT 330' FEL
BHL NCT 165' FSL, NCT 330' FEL
NO OP. NAMED
REC 3-8-2019 (DENTON)

PENDING CD - 201901520

3/12/2019 - G75 - 36-19N-6W
X645701 MSSP
3 WELLS
NO OP. NAMED
HEARING 4-1-2019

SPACING - 645701

3/11/2019 - G75 - (640)(HOR) 36-19N-6W
VAC OTHER
VAC 44960/62761 MSSLM W2, SE4
EXT 642334 MSSP, OTHERS
POE TO BHL NCT 660' FB
(COEXIST SP. ORDER # 44960/62761 MSSLM NE4)

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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.

073 26476 PHYLLIS 36-M3SH



Well Location Plat

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

Operator: SK NEMAHA

Lease Name and No.: PHYLLIS 36-M3SH

API 073-26476

Footage: 402' FNL - 1825' FWL Gr. Elevation: 1127'

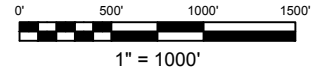
Section: 36 Township: 19N Range: 6W I.M.

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°47'38.30"W

Lat: 36.08603601

Lon: -97.79397169

X: 2029376

Y: 395400

Surface Hole Loc.:

Lat: 36°05'09.59"N

Lon: 97°47'37.11"W

Lat: 36.08599722

Lon: -97.79364064

X: 2060975

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

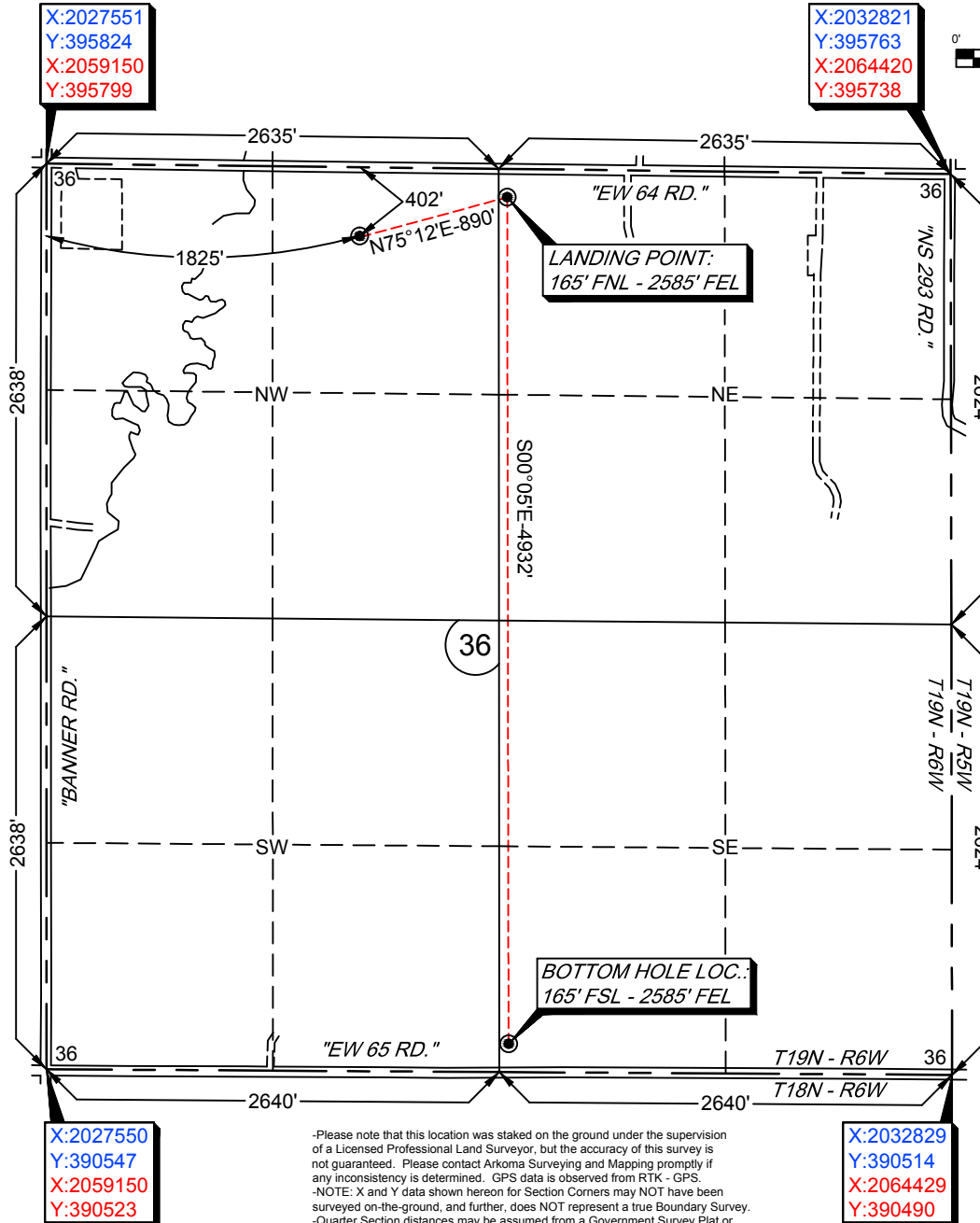
Lon: 97°47'26.66"W

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: N/A

Date Drawn: 02/22/19 By: C.K.

Rev. LP/BHL: 03/04/19 By: J.H.

Lance G. Mathis
LANCE G. MATHIS

03/06/19

OK LPLS 1664

