

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

API NUMBER: 083 23780 A

Approval Date: 04/04/2018

Expiration Date: 10/04/2018

Horizontal Hole Oil & Gas

PERMIT TO RECOMPLETE

WELL LOCATION: Sec: 28 Twp: 15N Rge: 1E

County: LOGAN

SPOT LOCATION: ☐ NW ☐ NE ☐ NE ☐ NE

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 2340 2266

Lease Name: THELMA

Well No: 1

Well will be 304 feet from nearest unit or lease boundary.

Operator Name: MARJO OPERATING MID-CONTINENT LLC

Telephone: 9185830241; 9185830

OTC/OCC Number: 23610 0

MARJO OPERATING MID-CONTINENT LLC
PO BOX 729
TULSA, OK 74101-0729

RIVERVIEW PROPERTY CO, LLC
P.O. BOX 729
TULSA OK 74101

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

Name	Depth	Name	Depth
1 SKINNER	4964	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 667038

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201702075

Special Orders:

Total Depth: 8412

Ground Elevation: 927

Surface Casing: 311 IP

Depth to base of Treatable Water-Bearing FM: 300

Under Federal Jurisdiction: Yes

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: No

Approved Method for disposal of Drilling Fluids:

HORIZONTAL HOLE 1

Sec 21 Twp 15N Rge 1E County LOGAN

Spot Location of End Point: SW NW SE NE

Feet From: SOUTH 1/4 Section Line: 950

Feet From: WEST 1/4 Section Line: 1406

Depth of Deviation: 5003

Radius of Turn: 172

Direction: 355

Total Length: 3139

Measured Total Depth: 8412

True Vertical Depth: 5175

End Point Location from Lease,
Unit, or Property Line: 950

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.

Notes:

Category

Description

HYDRAULIC FRACTURING

3/26/2018 - 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: 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 - 201702075

4/2/2018 - G58 - (I.O.) SE4 SE4 21-15N-1E
X667038 SKNR, OTHERS
SHL 300' FNL, 374' FEL OF 28-15N-1E
SKNR 342' FSL, 321' FWL OF SE4 SE4 21-15N-1E***
NO OP. NAMED
(JOHNSON) 4-25-2017

***SKNR CALCULATED TO BE 345' FSL, 321' FWL OF SE4 SE4 SEC 21 PER DIRECTIONAL SURVEY;

SPACING - 667038

4/2/2018 - G58 - (40) E2 SE4 21-15N-1E
VAC 461528 SKNR, OTHERS
EST SKNR, OTHERS

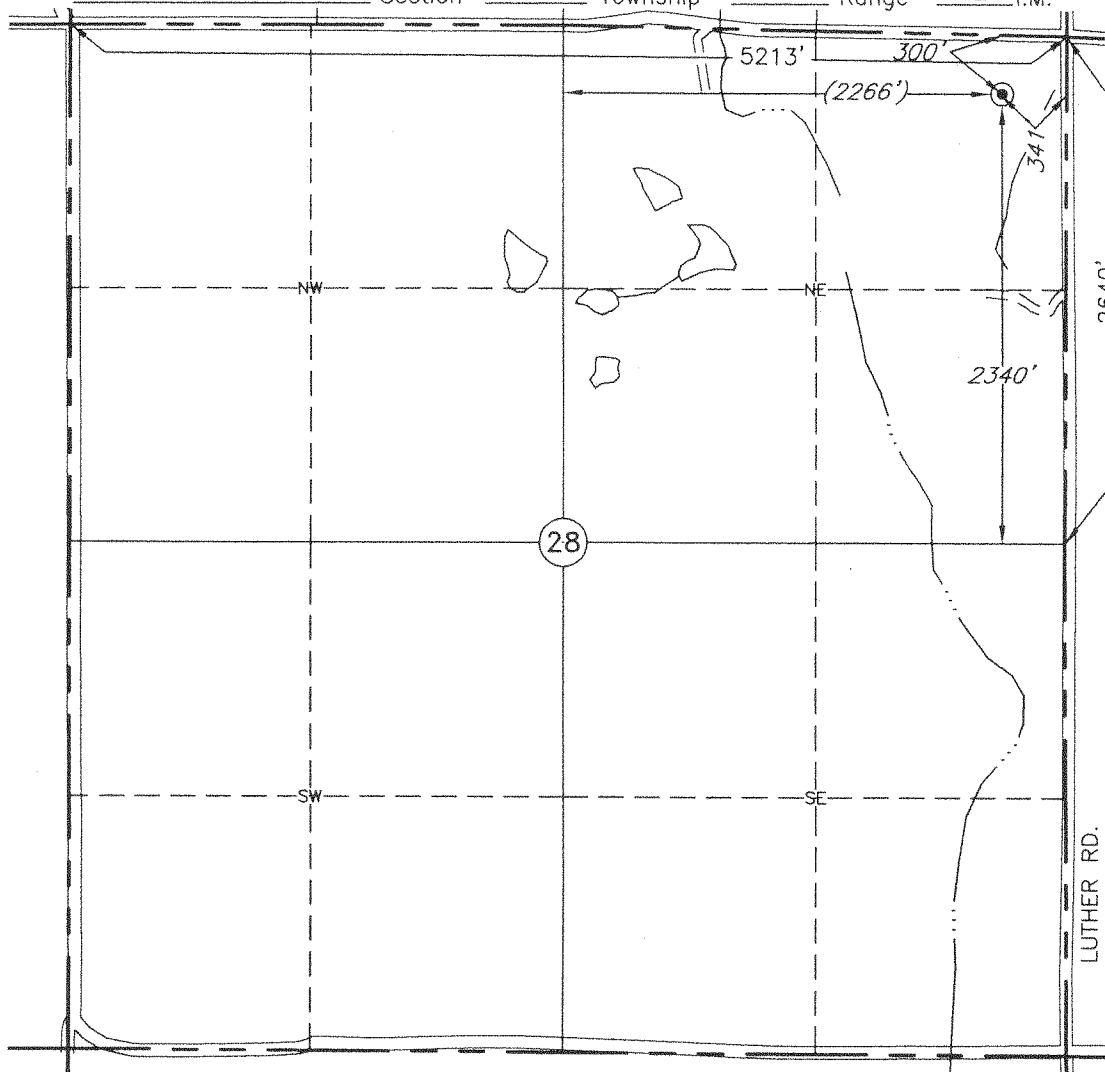
083-23780

TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA6709 NORTH CLASSEN BLVD., OKLA. CITY, OKLA. 73116 * LOCAL (405) 843-4847 * OUT OF STATE (800) 654-3219
Certificate of Authorization No. 1293, Exp. June 30, 2005

LOGAN

County, Oklahoma

300'FNL - 341'FEL Section 28 Township 15N Range 1E I.M.



Scale: 1" = 1000'

This location has been very carefully staked on the ground according to the best official survey records, maps, and photographs available to us, but its accuracy is not guaranteed.
Review this plat and notify us immediately of any possible discrepancy.

Distances shown in (parenthesis) are calculated based upon the Quarter Section being 2640 feet, those shown in [brackets] are based on GLO (General Land Office) distances and have not been measured.

Operator: MARJO OPERATING CO., INC.
Lease Name: WEST CARNEY EXT SWD

Well No.: _____ ELEVATION: 927' Gr. at level pad

Topography & Vegetation Loc. fell on level rocky location, drilling rathole

Good Drill Site? Yes Reference Stakes or Alternate Location
Stakes Set None

Best Accessibility to Location From North

Distance & Direction
from Hwy Jct or Town From Jct. St. Hwy. 105 and Luther Road, go 8.0 mi. South on
Luther Road to the NE Cor. of Sec. 28-T15N-R1E.

The following information was gathered using a GPS receiver
Accuracy $\pm 2-3$ Meters.

GPS
DATUM: NAD-27
LAT: 35°45'10.5"N
LONG: 97°11'42.9"W

STATE PLANE
COORDINATES:
ZONE: OK NORTH
X: 2238794
Y: 275061

Invoice # 98172 Date Staked: Oct. 05, 2004 AC

CERTIFICATE:

I, VIRGIL R. ROGERS a Registered Land Surveyor and an authorized agent of Topographic Land Surveyors, do hereby certify that the above described well location was surveyed and staked on the ground as shown herein.

Virgil R. Rogers
Oklahoma Reg. No. 569

