

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

API NUMBER: 049 25302

Approval Date: 06/20/2019

Expiration Date: 12/20/2020

Horizontal Hole
Oil & Gas
Multi Unit

PERMIT TO DRILL

WELL LOCATION: Sec: 31 Twp: 1N Rge: 3W County: GARVIN
SPOT LOCATION: ☐ NE ☐ NW ☐ NW ☐ NW
FEET FROM QUARTER: FROM NORTH FROM WEST
SECTION LINES: 285 520

Lease Name: YOSEMITE SAM 0103 Well No: 31-6-1MH Well will be 285 feet from nearest unit or lease boundary.
Operator 89 ENERGY II LLC Telephone: 4056006040 OTC/OCC Number: 24204 0
Name:

89 ENERGY II LLC
105 N HUDSON AVE STE 650
OKLAHOMA CITY, OK 73102-4832

DERREL K TIVIS
16617 EAST COUNTY ROAD 1730
TUSSY OK 73488

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

Name	Depth	Name	Depth
1 SYCAMORE	8270	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 695571
593752

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201806126
201806127

Special Orders:

Total Depth: 18950 Ground Elevation: 1019 Surface Casing: 1500 Depth to base of Treatable Water-Bearing FM: 1120

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: 2500

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: GARBER

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

PERMIT NO: 19-36694

H. SEE MEMO

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.

PIT 2 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: OIL BASED

Chlorides Max: 300000 Average: 200000

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: GARBER

HORIZONTAL HOLE 1

Sec 06 Twp 1S Rge 3W County CARTER

Spot Location of End Point: SE SW SW SW

Feet From: SOUTH 1/4 Section Line: 100

Feet From: WEST 1/4 Section Line: 380

Depth of Deviation: 7850

Radius of Turn: 478

Direction: 180

Total Length: 10381

Measured Total Depth: 18950

True Vertical Depth: 8470

End Point Location from Lease,
Unit, or Property Line: 100

Notes:

Category

Description

DEEP SURFACE CASING

6/11/2019 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING

HYDRAULIC FRACTURING

6/11/2019 - 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

MEMO

6/11/2019 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

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.

049 25302 YOSEMITE SAM 0103 31-6-1MH

Category	Description
PENDING CD - 201806126	6/18/2019 - G58 - (I.O.) 31-1N-3W & 6-1S-3W EST MULTIUNIT HORIZONTAL WELL X593752 SCMR, OTHERS X695571 SCMR, OTHERS (SCMR IS ADJACENT CSS TO OTHER)** 50% 31-1N-3W 50% 6-1S-3W NO OP. NAMED REC 12/12/2018 (M. PORTER)
PENDING CD - 201806127	**SCMR CHANGED TO TARGET IN INTERIM ORDER 6/18/2019 - G58 - (I.O.) 31-1N-3W & 6-1S-3W X593752 SCMR, OTHERS X695571 SCMR, OTHERS COMPL. INT. 31-1N-3W NCT 165' FNL, NCT 0' FSL, NCT 330' FWL COMPL. INT. 6-1S-3W NCT 0' FNL, NCT 165' FSL, NCT 330' FWL NO OP. NAMED REC 12/12/2018 (M. PORTER)
SPACING - 593752	6/18/2019 - G58 - (640)(HOR) 6-1S-3W EST SCMR, OTHERS POE TO BHL NCT 660' FB
SPACING - 695571	6/18/2019 - G58 - (640)(HOR) 31-1N-3W EXT 593752 SCMR, OTHERS POE TO BHL NLT 660' FB

TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

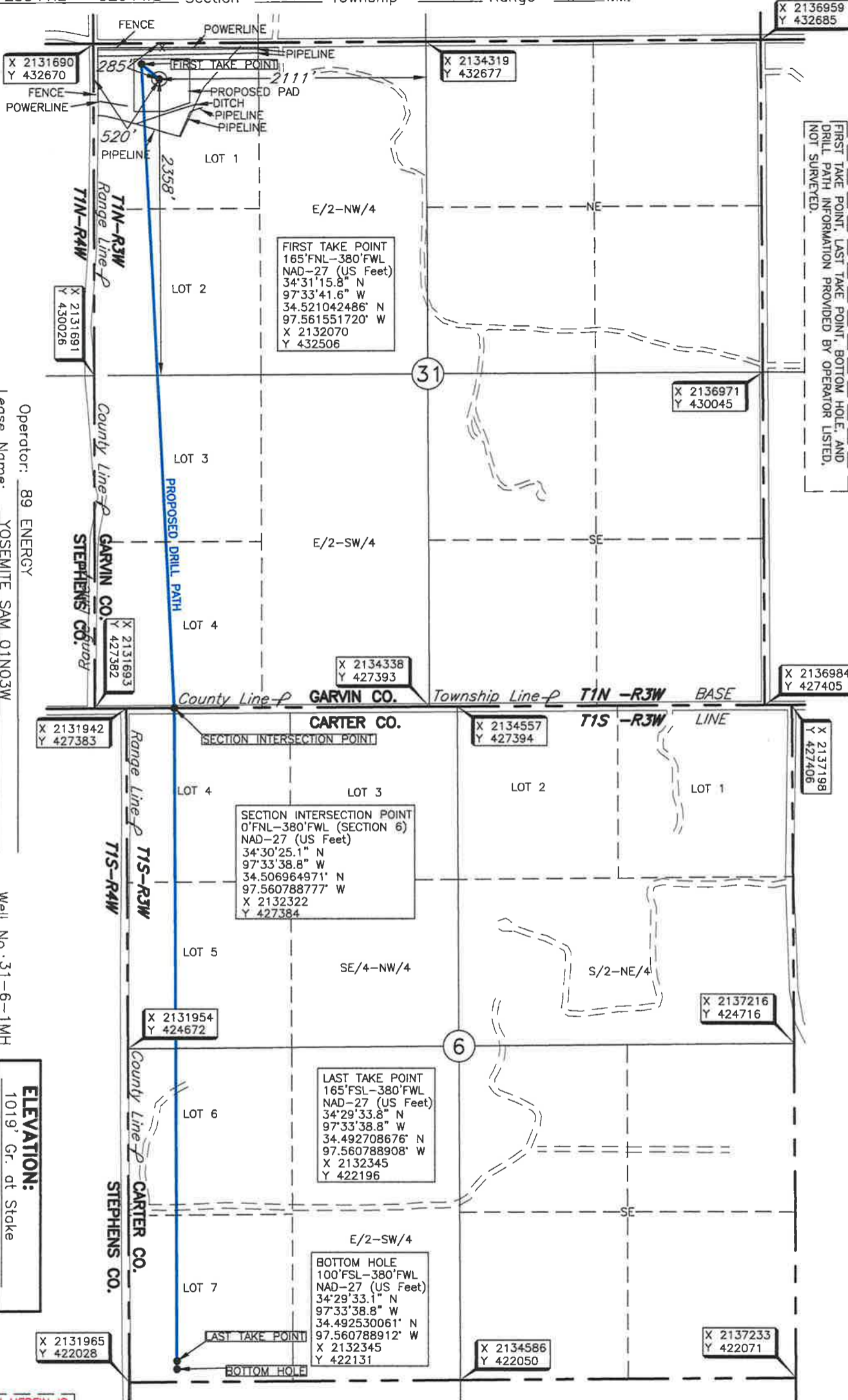
13800 Wireless Way, Okla. City, OK. 73134 * LOCAL (405) 843-4847 * OUT OF STATE (800) 654-3219
Certificate of Authorization No. 1293 LS

049-25302

GARVIN

County, Oklahoma

285'FNL - 520'FWL Section 31 Township 1N Range 3W I.M.



Operator: 89 ENERGY
Lease Name: YOSEMITE SAM 01N03W
Topography & Vegetation Location fell in sloping pasture between pipelines.
Good Drill Site? Yes
Best Accessibility to Location From North off county road.
Distance & Direction From Hwy Jct or Town From Stephens & Carter County line @ St. Hwy 7, go North ±5 miles to Northwest Corner Section 31-T1N-R3W.
Reference Stakes or Alternate Location Stakes Set None
Well No.: 31-6-1MH
ELEVATION: 1019' Gr. at Stake

THE INFORMATION SHOWN HEREIN IS FOR CONSTRUCTION PURPOSES ONLY

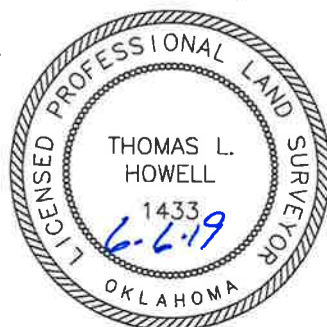
Revision ☒ A Date of Drawing: Apr. 19, 2019
Project # 125786A Date Staked: Apr. 17, 2019

KH/ST

CERTIFICATE:

I, Thomas L. Howell an Oklahoma Licensed Land Surveyor and an authorized agent of Topographic Land Surveyors of Oklahoma, do hereby certify to the information shown herein.

Thomas L. Howell
Oklahoma Lic. No. 1433



DATUM: NAD-27
LAT: 34°31'14.6" N
LONG: 97°33'39.9" W
LAT: 34.520711913° N
LONG: 97.561089827° W
STATE PLANE
COORDINATES (US FEET):
ZONE: OK SOUTH
X: 2132210
Y: 432387