

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

API NUMBER: 049 25191

Approval Date: 04/06/2018  
Expiration Date: 10/06/2018

Straight Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 04 Twp: 1N Rge: 3W County: GARVIN  
SPOT LOCATION:  NE  NW  SW FEET FROM QUARTER: FROM SOUTH FROM WEST  
SECTION LINES: 2405 416

Lease Name: WILEY Well No: 4-4 Well will be 416 feet from nearest unit or lease boundary.  
Operator Name: IRON STAR ENERGY LLC Telephone: 9189386069 OTC/OCC Number: 23355 0

IRON STAR ENERGY LLC  
PO BOX 163793  
AUSTIN, TX 78716-3793

DERALD D. MCCONNELL  
305 MARTHA ST.  
SPRINGTOWN TX 76082

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

Name	Depth	Name	Depth
1 OIL CREEK	4432	6 SYCAMORE	8992
2 MCLISH	4500	7 WOODFORD	9228
3 BROMIDE	6000	8 HUNTON	9576
4 GODDARD	7301	9 SYLVAN	9610
5 CANEY	8914	10 VIOLA	11891

Spacing Orders: 563866 Location Exception Orders: 667655 Increased Density Orders: 666369

Pending CD Numbers: Special Orders:

Total Depth: 12850 Ground Elevation: 1011 **Surface Casing: 1070** Depth to base of Treatable Water-Bearing FM: 1020

Under Federal Jurisdiction: No Fresh Water Supply Well Drilled: No Surface Water used to Drill: Yes

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: GARBER

Approved Method for disposal of Drilling Fluids:

- D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 18-33916
- H. CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST

Notes:

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.

Category	Description
FORMATIONS	4/6/2018 - G75 - OIL CREEK, MCLISH, BROMIDE IN OVERTHRUST FAULT BLOCK AND LIE ABOVE GODDARD PER OPERATOR
HYDRAULIC FRACTURING	2/20/2018 - 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: <a href="http://OCCEWEB.COM/OG/OGFORMS.HTML">OCCEWEB.COM/OG/OGFORMS.HTML</a> ; 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: <a href="http://FRACFOCUS.ORG">FRACFOCUS.ORG</a>
INCREASED DENSITY - 666369	3/9/2018 - G75 - W2 4-1N-3W X563866 SCMR, WDFD, HNTN, VIOL 2 WELLS IRON STAR ENERGY, L.L.C. 7-27-2017
LOCATION EXCEPTION - 667655	4/6/2018 - G75 - (I.O.) W2 4-1N-3W X563866 GDRD, CNEY, SCMR, WDFD, HNTN, SLVN, VIOL, BRMD, MCLS, OLCK, OTHERS NCT 2775' FNL, NCT 416' FWL IRON STAR ENERGY, L.L.C. 8-30-2017
SPACING - 563866	3/9/2018 - G75 - (320) W2 4-1N-3W SU SW4 NCT 660' FB VAC OTHER VAC 171078 SCMR SW4 VAC 38942 BRMD, MCLS, OLCK SW4 EST GDRD, CNEY, SCMR, WDFD, HNTN, SLVN, VIOL, BRMD, MCLS, OLCK, OTHERS

**TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA**

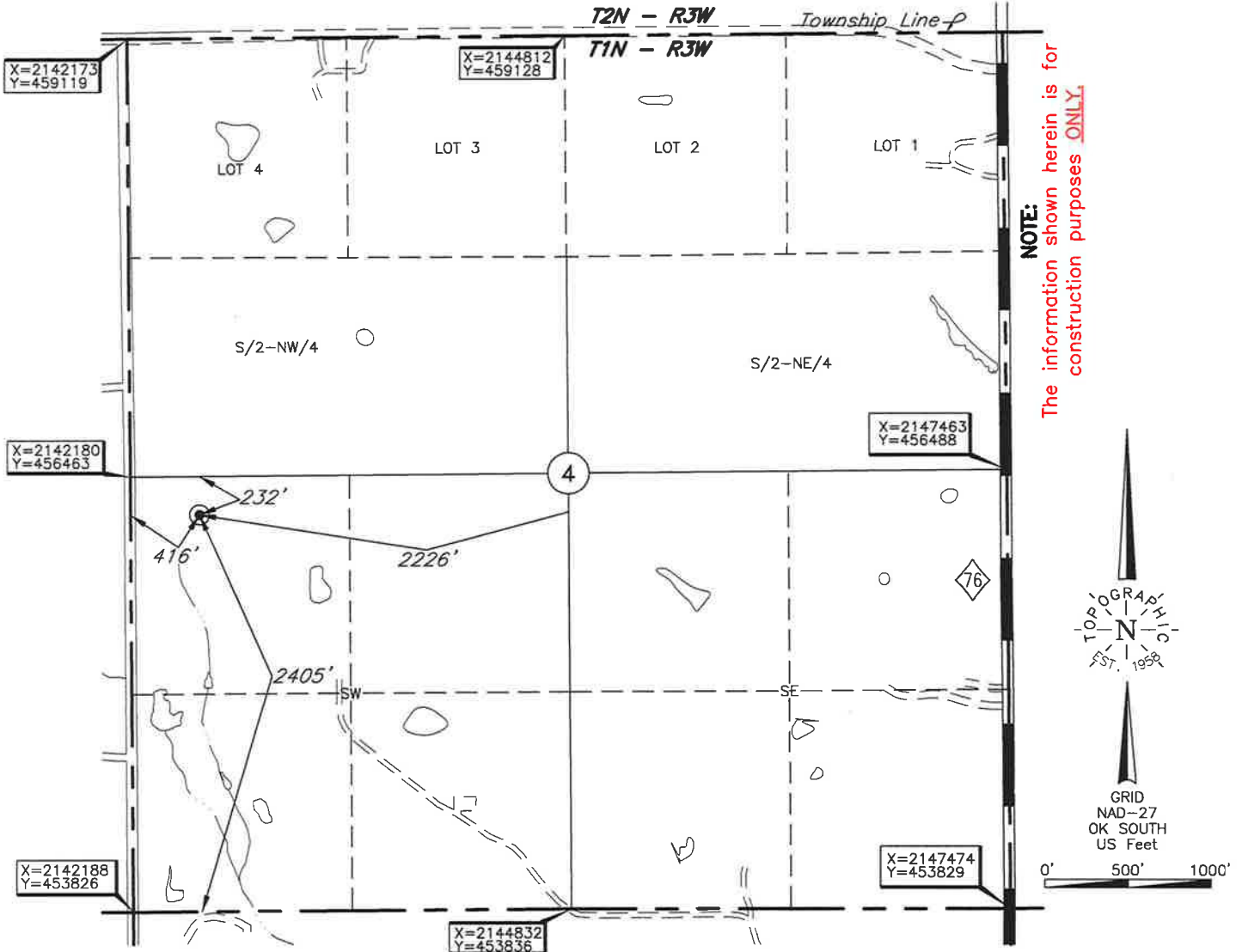
13800 Wireless Way, Okla. City, OK. 73134 (405) 843-4847 \* OUT OF STATE (800) 654-3219  
 Certificate of Authorization No. 1293 LS

API 049-25191

GARVIN

County, Oklahoma

2405'FSL - 416'FWL Section 4 Township 1N Range 3W I.M.



Operator: IRON STAR ENERGY, LLC

Lease Name: WILEY

Well No.: 4-4

**ELEVATION:**  
1011' Gr. at level pad

Topography & Vegetation Loc. fell on existing pad

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

Best Accessibility to Location From West off county road

Distance & Direction  
 from Hwy Jct or Town From Pernell, OK go ±0.1 mi. North on county road, then ±1.0 mi. West,  
then ±1.0 mi. North to the SW Cor. of Sec. 4-T1N-R3W

Date of Drawing: Apr. 02, 2018

Invoice # 290810 Date Staked: Mar. 26, 2018 AC

DATUM: NAD-27  
 LAT: 34°35'10.0"N  
 LONG: 97°31'34.4"W  
 LAT: 34.586107784° N  
 LONG: 97.526235211° W  
 STATE PLANE  
 COORDINATES: (US Feet)  
 ZONE: OK SOUTH  
 X: 2142597  
 Y: 456232

**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



This information was gathered with a GPS receiver with ±1 foot Horiz./Vert. accuracy