

API NUMBER: 071 24927

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

Approval Date: 08/23/2021
Expiration Date: 02/23/2023

Straight Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Section: 27 Township: 27N Range: 1E County: KAY

SPOT LOCATION: C E2 NW FEET FROM QUARTER: FROM NORTH FROM WEST
SECTION LINES: 1320 1980

Lease Name: MITCHELL Well No: 3-27V Well will be 660 feet from nearest unit or lease boundary.
Operator Name: IRON HAWK ENERGY GROUP JV Telephone: 9186453701 OTC/OCC Number: 23625 0

IRON HAWK ENERGY GROUP JV
321 S BOSTON AVE STE 201
TULSA, OK 74103-3305

JIM AND STACY SMITH
7725 WEST FURGUSON AVENUE
PONCA CITY OK 74601

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

Name	Code	Depth
1 SKINNER	404SKNR	3600

Spacing Orders: 69738

Location Exception Orders: No Exceptions

Increased Density Orders: No Density

Pending CD Numbers: No Pending

Working interest owners' notified: ***

Special Orders: No Special

Total Depth: 3750

Ground Elevation: 1030

Surface Casing: 210

Depth to base of Treatable Water-Bearing FM: 160

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

Approved Method for disposal of Drilling Fluids:

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

PERMIT NO: 21-37769

H. (Other)

CLOSED SYSTEM=STEEL PITS PER OPERATOR
REQUEST

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: WELLINGTON

NOTES:

This permit does not address the right of entry or settlement of surface damages. The duration of this permit is 18 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
HYDRAULIC FRACTURING	<p>[8/18/2021 - GC2] - OCC 165:10-3-10 REQUIRES:</p> <p>1) NOTICE SHALL BE GIVEN AT LEAST 5 BUSINESS DAYS PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS ON A HORIZONTAL WELL TO OPERATORS PRODUCING WELLS WITHIN 1 MILE OF THE COMPLETION INTERVAL OF THE SUBJECT WELL. THE NOTICE TO SUCH OPERATORS SHALL CONTAIN THE INFORMATION IN FORM 6000NOO. IF THE HYDRAULIC FRACTURING OPERATIONS SCHEDULE CHANGES AFTER NOTICE HAS BEEN PROVIDED, RESULTING IN A DELAY OF OPERATIONS OF MORE THAN 5 DAYS FROM THE INITIAL NOTICE, NEW NOTICE IS REQUIRED TO BE GIVEN;</p> <p>2) NOTICE WILL BE GIVEN TO THE OCC CENTRAL OFFICE AND LOCAL DISTRICT OFFICES AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS. FORM 6000NHF SHALL BE USED AND IS FOUND AT THIS LINK: OCCEWEB.COM/OG/OGFORMS.HTML; AND,</p> <p>3) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS IS TO BE REPORTED TO FRACFOCUS WITHIN 60 DAYS AFTER THE CONCLUSION OF HYDRAULIC FRACTURING OPERATIONS, FOUND AT FRACFOCUS.ORG</p>
SPACING - 69738	[8/23/2021 - G56] - (UNIT) E2 NW4, SW4 27-27N-1E EST UNIT FOR SKNR
WATERSHED STRUCTURE	[8/18/2021 - GC2] - WELL WITHIN 1/2 MILE OF AN OKLAHOMA CONSERVATION COMMISSION WATERSHED STRUCTURE. CONTACT THE LOCAL CONSERVATION DISTRICT OFFICE AT (580) 362-2438 PRIOR TO DRILLING



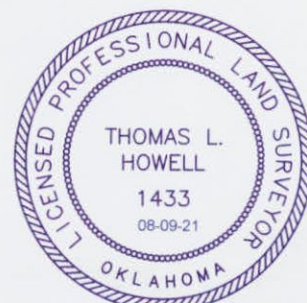
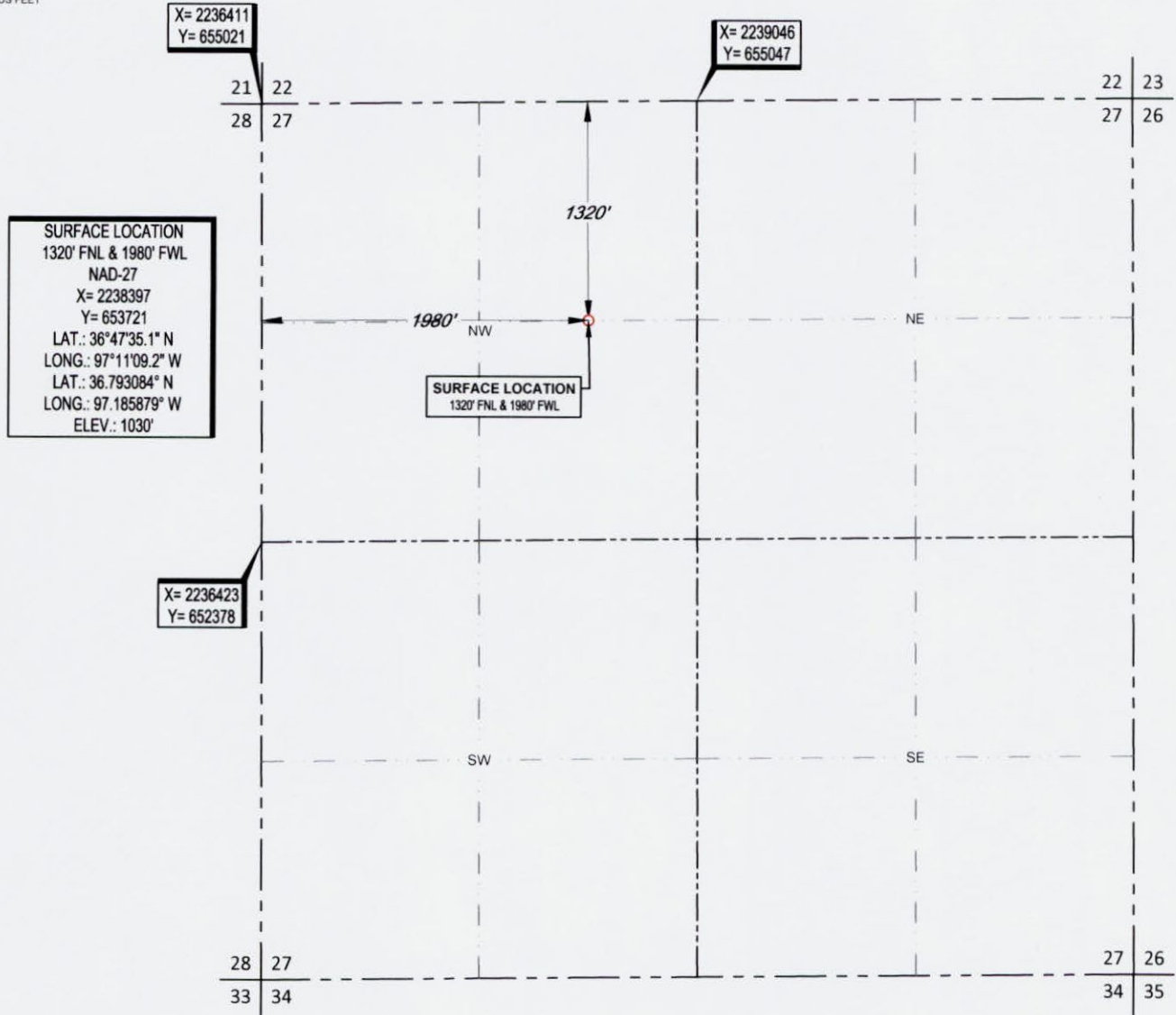
SCALE: 1" = 1000'
0' 500' 1000'

WELL LOCATION

MITCHELL #3-27V
IRON HAWK ENERGY
SECTION 27, TOWNSHIP 27N, RANGE 1E, I.M.
KAY COUNTY, OKLAHOMA

LEGEND

--- SECTION LINE
--- QUARTER SECTION LINE
--- 16TH LINE



SURVEYOR'S CERTIFICATE:

I, THOMAS L. HOWELL, AN OKLAHOMA LICENSED LAND SURVEYOR AND AN AUTHORIZED AGENT OF TOPOGRAPHIC LAND SURVEYORS, DO HEREBY CERTIFY TO THE INFORMATION SHOWN HEREIN.

Thomas L. Howell
Thomas L. Howell, P.L.S. No. 1433