

API NUMBER: 007 25712

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

Approval Date: 01/19/2023

Expiration Date: 07/19/2024

Straight Hole

Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Section: 13 Township: 6N Range: 24EC County: BEAVER

SPOT LOCATION: ☐ NE ☐ NW ☐ SE ☐ SE FEET FROM QUARTER: FROM SOUTH FROM EAST
SECTION LINES: 1025 768

Lease Name: JOHN ADAMS

Well No: 1-13

Well will be 768 feet from nearest unit or lease boundary.

Operator Name: AGRICULTURAL ENERGY SERVICES INC

Telephone: 4052082096

OTC/OCC Number: 22253 0

AGRICULTURAL ENERGY SERVICES INC
PO BOX 31865
EDMOND, OK 73003

JOHN C ADAMS RUSSELL
32036 S ROAD
PLAINS KS 73012

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

Name	Code	Depth	Name	Code	Depth
1 COUNCIL GROVE	451CCGV	3033	6 MARMATON	404MRMN	5349
2 TORONTO	406TRNT	4535	7 CHEROKEE	404CHRK	5747
3 LANSING	405LNSG	4605	8 MORROW SAND	402MWSD	5945
4 KAN CITY UP	405KSSCU	4949	9 ST GENEVIEVE	353STGV	6371
5 CHECKERBOARD	405CCKB	5182	10 ST LOUIS	353STLS	6463

Spacing Orders: 34964
34966

Location Exception Orders: No Exceptions

Increased Density Orders: No Density

Pending CD Numbers: 202204951

Working interest owners' notified: ***

Special Orders: No Special

Total Depth: 6725

Ground Elevation: 2433

Surface Casing: 1300

Depth to base of Treatable Water-Bearing FM: 330

Deep surface casing has been approved

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

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

H. (Other)

1B MIN. SOIL COMPACTED PIT, NOTIFY DISTRICT
PRIOR TO TESTING SOIL PIT LINER

PIT 1 INFORMATION

Type of Pit System: ON SITE

Type of Mud System: WATER BASED

Chlorides Max: 8000 Average: 5000

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: 1B

Liner required for Category: 1B

Pit Location is: BED AQUIFER

Pit Location Formation: OGALLALA

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
DEEP SURFACE CASING	[1/12/2023 - GC2] - APPROVED; (1) NOTIFY OCC FIELD INSPECTOR IMMEDIATELY OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING. (2) SUBSEQUENT WELLS ON SAME PAD WILL NOT BE ALLOWED DEEP SURFACE CASING IN THE EVENT OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING.
HYDRAULIC FRACTURING	<p>[1/12/2023 - 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 FRACTURING OPERATIONS. FORM 6000NHF SHALL BE FOUND HERE: HTTPS://OKLAHOMA.GOV/OCC/DIVISIONS/OIL-GAS/OGCD-FORMS; 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>
PENDING - CD2022-004951	<p>[1/19/2023 - GB7] - (I.O.) 13-6N-24E X34964 MWSD X34965 OTHER X34966 TRTN COMPL INT NCT 1320' FB AGRICULTURAL ENERGY SERVICES INC REC 01/03/2023 (PRESLAR)</p>
SPACING	[1/19/2023 - GB7] - CCGV, LNSG, KSSCU, CCKB, MRMN, CHRK, STGV, STLS UNSPACED; 640-ACRE LEASE (13-6N-24E)
SPACING - 34964	[1/19/2023 - GB7] - (640) 13-6N-24E EXT 33547/VAR/34809 MWSD
SPACING - 34966	[1/19/2023 - GB7] - (640) 13-6N-24E EXT 30536 TRTN