

API NUMBER: 059 21142 A

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

Approval Date: 11/30/2022  
Expiration Date: 05/30/2024

Straight Hole Oil & Gas

**PERMIT TO RE-ENTER**

WELL LOCATION: Section: 01 Township: 25N Range: 24W County: HARPER

SPOT LOCATION: ☐ SE ☐ NE ☐ SW ☐ SW FEET FROM QUARTER: FROM SOUTH FROM WEST  
SECTION LINES: 680 1164

Lease Name: CRAWFORD B Well No: 1 Well will be 680 feet from nearest unit or lease boundary.  
Operator Name: H & L EXPLORATION COMPANY LLC Telephone: 8063534331 OTC/OCC Number: 24557 0

H & L EXPLORATION COMPANY LLC

AMARILLO , TX 79114-7506

MARY MURPHY

2342 STATE HIGHWAY 46

AMARILLO TX 79109

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

	Name	Code	Depth
1	TONKAWA	406TNKW	5556
2	OSWEGO	404OSWG	6345
3	MORROW SHALE	402MWSH	6944
4	MORROW SAND	402MWSD	7058
5	CHESTER	354CSTR	7192

Spacing Orders: 38691  
45113  
120270

Location Exception Orders: No Exceptions

Increased Density Orders: No Density

Pending CD Numbers: 202204503

Working interest owners' notified: \*\*\*

Special Orders: No Special

Total Depth: 7480 Ground Elevation: 2150

Surface Casing: 801 IP

Depth to base of Treatable Water-Bearing FM: 200

Deep surface casing has been approved

Approved Method for disposal of Drilling Fluids:

E. Haul to Commercial pit facility	Sec. 33 Twn. 26N Rng. 15W Cnty. 151 Order No: 607526
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: 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: C

Liner not required for Category: C

Pit Location is: AP/TE DEPOSIT

Pit Location Formation: TERRACE

**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>[11/9/2022 - 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: <a href="https://oklahoma.gov/occ/divisions/oil-gas/ogcd-forms">HTTPS://OKLAHOMA.GOV/OCC/DIVISIONS/OIL-GAS/OGCD-FORMS</a>; 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 <a href="http://FRACFOCUS.ORG">FRACFOCUS.ORG</a></p>
PENDING - CD2022-004503	<p>[11/10/2022 - GB7] - 1-25N-24W  X38691 MWSD  X45113 CRLM  X120270 TNKW, OTHER  COMPL. INT. NCT 680' FSL, NCT 1164' FWL  H&amp;L EXPLORATION COMPANY, LLC  REC 11/29/2022 (PRESLAR)</p>
SPACING	[11/9/2022 - GB7] - OSWG, MWSH UNSPACED; 640-ACRE LEASE (1-25N-24W)
SPACING - 120270	<p>[11/9/2022 - GB7] - (640) 1-25N-24W  EXT OTHER  EST TNKW</p>
SPACING - 38691	<p>[11/9/2022 - GB7] - (640) 1-25N-24W  EXT 30935/VAR/38428 MWSD</p>
SPACING - 45113	<p>[11/9/2022 - GB7] - (640) 1-25N-24W  EXT 32728/VAR/44149 CRLM</p>

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