

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

API NUMBER: 123 23905

Approval Date: 08/11/2022
Expiration Date: 02/11/2024

Straight Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Section: 34 Township: 2N Range: 7E County: PONTOTOC

SPOT LOCATION: SW SW NW NW FEET FROM QUARTER: FROM NORTH FROM WEST
SECTION LINES: 1269 77

Lease Name: SHEPPARD Well No: 31 Well will be 1269 feet from nearest unit or lease boundary.
Operator Name: SHADOWPEAK OPERATING LLC Telephone: 4058822456 OTC/OCC Number: 24739 0

SHADOWPEAK OPERATING LLC
10011 S PENNSYLVANIA AVE
OKLAHOMA CITY, OK 73159-6905

THE ESTATE OF LUCY SHEPPARD
22101 E COUNTY ROAD 1660
STONEWALL OK 74871

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

Name	Code	Depth
1 CROMWELL	402CMWL	3435

Spacing Orders: 419248
419558

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: 3650 Ground Elevation: 695

Surface Casing: 500

Depth to base of Treatable Water-Bearing FM: 150

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:	
F. Haul to Commercial soil farming facility	Sec. 2 Twn. 6S Rng. 4W Cnty. 67 Order No: 587652
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: ALLUVIAL

Pit Location Formation: ALLUVIUM

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	[7/26/2022 - GC2] - 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	<p>[7/26/2022 - 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 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 – 419248	[8/11/2022 - GB7] - (UNIT) N2 & SE4 & N2 SW4 & N2 SE4 SW4 34-2N-7E EST CROMWELL SAND WATERFLOOD UNIT – JESSE FIELD FOR THE CMWL
SPACING – 419558	[8/11/2022 - GB7] - NPT 419248 TO CORRECT NAME TO CROMWELL SAND WATERFLOOD UNIT – JESSE FIELD

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