

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

API NUMBER: 049 21960 A

Approval Date: 12/11/2018
Expiration Date: 06/11/2020

Straight Hole Oil & Gas

PERMIT TO RE-ENTER

WELL LOCATION: Sec: 06 Twp: 1N Rge: 2W County: GARVIN
SPOT LOCATION: C SW NW SE FEET FROM QUARTER: FROM SOUTH FROM WEST
SECTION LINES: 1650 330

Lease Name: ELK RUN(FORMERLY FERGUSON 10-6) Well No: 1-6 Well will be 330 feet from nearest unit or lease boundary.
Operator Name: SHAMROCK WELL OPERATIONS LLC Telephone: 4797851222 OTC/OCC Number: 24071 0

SHAMROCK WELL OPERATIONS LLC
312 S 16TH ST
FORT SMITH, AR 72901-3834

B DWAIN FERGUSON
28998 N COUNTY RD 3120
ELMORE CITY OK 73433

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

	Name	Depth	Name	Depth
1	PHARAOH	7648	6	
2	HUNTON	9444	7	
3			8	
4			9	
5			10	

Spacing Orders: 171071
170515

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 9900 Ground Elevation: 1031 Surface Casing: 1539 IP Depth to base of Treatable Water-Bearing FM: 800

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: Yes

PIT 1 INFORMATION

Approved Method for disposal of Drilling Fluids:

Type of Pit System: ON SITE

A. Evaporation/dewater and backfilling of reserve pit.

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: 2

Liner not required for Category: 2

Pit Location is BED AQUIFER

Pit Location Formation: GARBER

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
HYDRAULIC FRACTURING	<p>11/19/2018 - G71 - OCC 165:10-3-10 REQUIRES:</p> <p>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;</p> <p>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: OCCWEB.COM/OG/OGFORMS.HTML; AND,</p> <p>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: FRACFOCUS.ORG</p>
SPACING - 140651	<p>12/11/2018 - G56 - (80) S2 6-1N-2W SU NW/SE EXT OTHER EST HNTN, OTHER (AMD BY SP # 170515 TO LD NE/SW)</p>
SPACING - 170515	<p>12/11/2018 - G56 - (80) S2 6-1N-2W AMD 109031/140651 HNTN, OTHERS TO LD NE/SW</p>
SPACING - 171071	<p>12/11/2018 - G56 - (80) S2 6-1N-2W LD NE/SW VAC OTHERS EXT OTHERS VAC 154317 PHRH, OTHERS EST PHRH, OTHERS</p>