

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

API NUMBER: 071 24884 A

Approval Date: 03/08/2018

Expiration Date: 09/08/2018

Straight Hole Oil & Gas

Amend reason: ADD FORMATIONS

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 22 Twp: 28N Rge: 3E

County: KAY

SPOT LOCATION: S2 N2 SW SW

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 900 660

Lease Name: GRAVES

Well No: 1-22

Well will be 660 feet from nearest unit or lease boundary.

Operator Name: KIRKPATRICK OIL COMPANY INC

Telephone: 4058402882

OTC/OCC Number: 19792 0

KIRKPATRICK OIL COMPANY INC
1001 W WILSHIRE BLVD STE 202
OKLAHOMA CITY, OK 73116-7017

JAMES & CHERYL GRAVES
6100 E. RIVER ROAD
NEWKIRK OK 74647

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

	Name	Depth		Name	Depth
1	LAYTON	2373	6	BROMIDE	3468
2	CLEVELAND	2692	7		
3	OSWEGO	2822	8		
4	PRUE	3022	9		
5	SKINNER	3048	10		

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 3700

Ground Elevation: 1076

Surface Casing: 240

Depth to base of Treatable Water-Bearing FM: 190

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: 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: OSCAR

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 18-33981
H. CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST

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>3/5/2018 - 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	6/27/2018 - G75 - FORMATIONS UNSPACED; 138-ACRE LEASE INCLUDING W2 SW4