

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

API NUMBER: 065 20272

Approval Date: 08/12/2013

Expiration Date: 02/12/2014

Straight Hole

Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 30 Twp: 1N Rge: 19W County: JACKSON

SPOT LOCATION: FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 1650 330

Lease Name: CANAM

Well No: 2

Well will be 330 feet from nearest unit or lease boundary.

Operator Name: FULCRUM EXPLORATION LLC

Telephone: 5132904438

OTC/OCC Number: 22183 0

FULCRUM EXPLORATION LLC
3700 FORUMS DR STE 112
FLOWER MOUND, TX 75028-1849

JTL FARM & RANCH INC
609 E MAIN
TIPTON OK 73570

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

	Name	Depth	Name	Depth
1	CISCO	1700	6	
2	CANYON	1910	7	
3	STRAWN	2150	8	
4	ARBUCKLE	2510	9	
5			10	

Spacing Orders: 60665

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 3000

Ground Elevation: 1279

Surface Casing: 180

Depth to base of Treatable Water-Bearing FM: 130

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: No

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: HENNESSEY

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.

065 20272 CANAM 2

Category	Description
SPACING	8/12/2013 - G30 - CISCO, CANYON, ARBUCKLE UNSPACED, 160 ACRE LEASE (SE4)
SPACING - 60665	8/12/2013 - G30 - (UNIT) S2 SE4 & S2 N2 SE4 & SE4 NE4 SW4 & E2 SE4 SW4 30-1N-19W EST NORTH TIPTON UNIT FOR STRN