

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

API NUMBER: 119 24385 A

Approval Date: 07/06/2016
Expiration Date: 01/06/2017

Straight Hole Oil & Gas

Amend reason: EXPIRED PERMIT: RE-APPLICATION

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 30 Twp: 19N Rge: 6E

County: PAYNE

SPOT LOCATION: SW NW NE SW

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 2092 1550

Lease Name: WALKER

Well No: 9

Well will be 430 feet from nearest unit or lease boundary.

Operator Name: LIBERTY OPERATING INC

Telephone: 4053296200

OTC/OCC Number: 15227 0

LIBERTY OPERATING INC
1827 ATCHISON DR
NORMAN, OK 73069-8225

LINDA K. CRANE, ET AL
P.O. BOX 1003
GRAND LAKE CO 80447

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

	Name	Depth	Name	Depth	
1	BIG LIME	2705	6	MISSISSIPPI LIME	3380
2	OSWEGO	2745	7	MISENER	3460
3	PRUE	2810	8	VIOLA	3465
4	SKINNER	3000	9	WILCOX	3588
5	RED FORK	3090	10		

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 3750

Ground Elevation: 779

Surface Casing: 740

Depth to base of Treatable Water-Bearing FM: 690

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: 1900 Average: 1400

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

F. Haul to Commercial soil farming facility: Sec. 13 Twn. 19N Rng. 5E Cnty. 119 Order No: 561542

H. CLOSED SYSTEM=STEEL PITS (REQUIRED - CIMARRON RIVER)

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	11/25/2015 - G60 - OCC 165:10-3-10 REQUIRES: 1) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS BE REPORTED TO FRACFOCUS USING THE FOLLOWING LINK HTTP://FRACFOCUS.ORG/ WITH NOTICE GIVEN 48 HOURS IN ADVANCE OF FRACTURING TO THE LOCAL OCC DISTRICT OFFICE; AND, 2) PRIOR TO COMMENCEMENT OF FRACTURING OPERATIONS FOR HORIZONTAL WELLS, NOTICE ALSO GIVEN FIVE BUSINESS DAYS IN ADVANCE TO OFFSET OPERATORS WITH WELLS COMPLETED IN THE SAME COMMON SOURCE OF SUPPLY WITHIN 1/2 MILE.
SPACING	11/25/2015 - G60 - FORMATIONS UNSPACED; 158-ACRE LEASE INCLUDING NE4 NW4 SW4, NW4 NE4 SW4, N2 SW4 NE4 SW4
SURFACE LOCATION	12/17/2015 - G60 - 2092' FSL, 1550' FWL SW4 30-19N-6E PER OPERATOR

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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.