

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

API NUMBER: 125 23850 A

Approval Date: 06/11/2014
Expiration Date: 12/11/2014

Straight Hole Oil & Gas

Amend reason: CHANGE OF OPERATOR; UPDATE ORDER

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 16 Twp: 8N Rge: 5E

County: POTTAWATOMIE

SPOT LOCATION: C SW SE SE

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 330 1650

Lease Name: SCHOOL LAND

Well No: 2

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

Operator Name: LANDMARK ENERGY LLC

Telephone: 4053822803

OTC/OCC Number: 20994 0

LANDMARK ENERGY LLC
PO BOX 1672
SEMINOLE, OK 74818-1672

COMMISSIONERS OF THE LAND OFFICE
120 N. ROBINSON, SUITE 1000W
OKLAHOMA CITY OK 73102

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

	Name	Depth	Name	Depth
1	EARLSBORO	3820	6	
2	MISENER	4015	7	
3	HUNTON	4060	8	
4	VIOLA	4170	9	
5	1ST WILCOX	4290	10	

Spacing Orders: 628480

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 4400

Ground Elevation: 910

Surface Casing: 1030

Depth to base of Treatable Water-Bearing FM: 980

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: Yes

PIT 1 INFORMATION

Type of Pit System: ON SITE

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: 1B

Liner required for Category: 1B

Pit Location is BED AQUIFER

Pit Location Formation: VANOSS

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

H. SOIL COMPACTED PIT, NOTIFY DISTRICT PRIOR TO TESTING SOIL PIT LINER

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.

125 23850 SCHOOL LAND 2

Category	Description
FRAC FOCUS	6/9/2014 - G75 - THE REQUIREMENT FOR CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS WILL BE EXTENDED TO INCLUDE ALL NON-HORIZONTAL WELLS FOR HYDRAULIC FRACTURING OPERATIONS BEGINNING JANUARY 1, 2014. REFER TO OCC RULE 165:10-3-10 FOR COMPLIANCE REQUIREMENTS. PLEASE REPORT DIRECTLY TO FRACFOCUS USING THE FOLLOWING LINK HTTP://FRACFOCUS.ORG/ OR FOR OCC ASSISTANCE CONTACT DENNIS NISKERN AT 405-522-2977 OR D.NISKERN@OCCEMAIL.COM
SPACING - 628480	10/22/2014 - G75 - (480/10) 16-8N-5E VAC 28779 HNTN EST (10)(VER) ERLB, MSNR, HNTN, VIOL, WLCX1 SW4 SE4 SE4 EST (480)(HOR) OTHERS

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