

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

API NUMBER: 087 21984

Approval Date: 02/07/2014
Expiration Date: 08/07/2014

Directional Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 05 Twp: 5N Rge: 1E

County: MCCLAIN

SPOT LOCATION: SW SE SW SW

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 178 898

Lease Name: HAMILTON

Well No: 1-5

Well will be 178 feet from nearest unit or lease boundary.

Operator Name: RANKEN ENERGY CORPORATION

Telephone: 4053402363

OTC/OCC Number: 17205 0

RANKEN ENERGY CORPORATION
457 W 18TH ST
EDMOND, OK 73013-3663

TRACY L. & DIANE C. HAMILTON
9665 NIGHTFALL DR.
FRISCO TX 75035

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

	Name	Depth	Name	Depth	
1	PENN BASAL UNCONF SAND	5725	6	MCLISH	6875
2	WOODFORD	5735	7	OIL CREEK	7200
3	HUNTON	5800	8	ARBUCKLE	7530
4	VIOLA	6075	9		
5	BROMIDE	6550	10		

Spacing Orders: 610682
270552

Location Exception Orders: 618301

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 7759

Ground Elevation: 1030

Surface Casing: 250

Depth to base of Treatable Water-Bearing FM: 200

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: Yes

PIT 1 INFORMATION

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 ALLUVIAL

Pit Location Formation: ALLUVIUM

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT)

PERMIT NO: 14-26409

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

DIRECTIONAL HOLE 1

Sec 05 Twp 5N Rge 1E County MCCLAIN

Spot Location of End Point: NW SE SW SW

Feet From: SOUTH 1/4 Section Line: 413

Feet From: WEST 1/4 Section Line: 925

Measured Total Depth: 7759

True Vertical Depth: 7710

End Point Location from Lease,

Unit, or Property Line: 395

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
FRAC FOCUS	2/7/2014 - G75 - CHEMICAL DISCLOSURE REQUIREMENT 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
LOCATION EXCEPTION - 618301	2/7/2014 - G75 - (I.O.) W2 SW4 5-5N-1E X270552 BPUNC, HNTN, VIOL, BRMD, OTHERS X610682 WDFD, MCLS, OLCK, ABCK, OTHERS SHL 178 FSL, 422 FEL POE NCT 178 FSL, NCT 300 FEL BHL NCT 178 FSL, NCT 300 FEL RANKEN ENERGY CORP. 11-20-2013
SPACING - 270552	2/7/2014 - G75 - (80) W2 SW4 5-5N-1E SU NCT 330' SW4 SW4 EXT 216588 BPUNC, HNTN, VIOL, BRMD, OTHERS
SPACING - 610682	2/7/2014 - G75 - (80) W2 SW4 5-5N-1E SU NCT 330' SW4 SW4 EST WDFD, MCLS, OLCK, ABCK, OTHERS EXT OTHER

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