

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

API NUMBER: 071 24817

Approval Date: 10/13/2014
Expiration Date: 04/13/2015

Straight Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 05 Twp: 25N Rge: 1E County: KAY
SPOT LOCATION: C SW NW SE FEET FROM QUARTER: FROM SOUTH FROM WEST
SECTION LINES: 1650 330

Lease Name: K & S FARMS Well No: 5-1 Well will be 330 feet from nearest unit or lease boundary.

Operator Name: INTERNATIONAL ENERGY CORPORATION Telephone: 9187437300; 9187437 OTC/OCC Number: 22390 0

INTERNATIONAL ENERGY CORPORATION
1801 E 71ST ST
TULSA, OK 74136-3922

K & S FARMS, INC
15650 S U ST.
PONCA CITY OK 74601

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

	Name	Depth	Name	Depth
1	LAYTON	3150	6	
2	CLEVELAND	3530	7	
3	SKINNER	3900	8	
4	MISSISSIPPIAN	4210	9	
5	WOODFORD	4565	10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 4900 Ground Elevation: 974 **Surface Casing: 270** Depth to base of Treatable Water-Bearing FM: 220

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? Y

Wellhead Protection Area? Y

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

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 14-28652
H. SEE MEMO

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	10/10/2014 - G76 - 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
MEMO	10/10/2014 - G76 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, 20 MIL LINED TRENCH PIT FOR SOIL FARMING
PUBLIC WATER SUPPLY/WELLHEAD PROTECTION AREA	10/10/2014 - G76 - 2 PWS/WPA - TONKAWA WELLS - S2 6-25N-1E
SPACING	10/13/2014 - G72 - FORMATIONS UNSPACED 40 ACRE LEASE (NW SE)

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