

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

API NUMBER: 071 24785

Approval Date: 08/05/2014
Expiration Date: 08/05/2015

Straight Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 32 Twp: 25N Rge: 1E County: KAY
SPOT LOCATION: C SW NW NW FEET FROM QUARTER: FROM SOUTH FROM WEST
SECTION LINES: 1650 330

Lease Name: ETU Well No: 19-2 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

TIM CAUGHLIN
1400 P STREET
TONKAWA OK 77653

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

Name	Depth	Name	Depth
1 TONKAWA	2610	6 MISSISSIPPI LIME	4331
2 LAYTON	3220	7	
3 SKINNER	4018	8	
4 RED FORK	4110	9	
5 MISSISSIPPI CHAT	4301	10	

Spacing Orders: 65738 Location Exception Orders: Increased Density Orders:
611591

Pending CD Numbers: Special Orders:

Total Depth: 4700 Ground Elevation: 941 **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: No

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 ALLUVIAL
Pit Location Formation: ALLUVIUM

Approved Method for disposal of Drilling Fluids:
A. Evaporation/dewater and backfilling of reserve pit.
D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 14-27883
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	7/28/2014 - 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	7/28/2014 - G76 - SOIL COMPACTED PIT PER OCC FIELD INSPECTOR, NOTIFY DISTRICT PRIOR TO TESTING SOIL PIT LINER
SPACING - 611591	8/4/2014 - G91 -MODIFY 65738 TO INCLUDE MSSLM
SPACING - 65738	8/4/2014 - G91 - (UNIT) NW4 NW4 32-25N-1E EST EAST TONKAWA UNIT FOR TNKW, LYTN, SKNR, RDFK, MSSCT, OTHER

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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.



2/5/2015

International Energy Company, LLC

1801 East 71st Street -
Tulsa, Oklahoma 74136
(918) 743-7300
(918) 743-0099 (Fax)

January 28, 2015

VIRGINIA HULLINGER
OKLAHOMA CORPORATION COMMISSION
PO BOX 52000
OKLAHOMA CITY OK 73152-2000

RE: Drilling Permit Expiration

Dear Ms. Hullinger:

This is to request an extension for a Drilling Permit that will soon expire for the:

WELL NAME: ETU 19-2
API: 35 071 24785
LOCATION: C SW NW NW Section 32-T25N-R1E
EXPIRATION DATE: 02/05/2015

Sincerely,

Carla Douglas

Approved for 6 Month
Extension From
2-5-15
2-2-15 WJD

Operator # 23556
Surety Exp. 10/1/2015
CAC 1/30/2015