

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

Straight Hole Oil & Gas

API NUMBER: 071 24745

Approval Date: 04/08/2014  
Expiration Date: 10/08/2014

**PERMIT TO DRILL**

WELL LOCATION: Sec: 10 Twp: 25N Rge: 1E  
County: KAY  
SPOT LOCATION: C SW SW  
SECTION LINES: FROM QUARTER: SOUTH FROM WEST

Lease Name: STEICHEN  
Operator: INTERNATIONAL ENERGY CORPORATION  
Telephone: 9187437300

Well Name: STEICHEN  
Well No: 10-4  
Well will be 330 feet from nearest unit or lease boundary.  
OTC/OCC Number: 22390 0

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

RUTH HELEN STEICHEN  
6151 W. FOUNTAIN RD.  
PONCA CITY, OK 74601

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

Name	Depth	Name	Depth
1	LAYTON	3125	WOODFORD
2	CLEVELAND	3465	WILCOX
3	SKINNER	3865	
4	RED FORK	3990	
5	MISSISSIPPI LIME	4185	
Spacing Orders: 51244			
Location Exception Orders:			
Increased Density Orders:			
Special Orders:			

Total Depth: 4900 Ground Elevation: 974 **Surface Casing: 250** Depth to base of Treatable Water-Bearing FM: 170

Under Federal Jurisdiction: No Fresh Water Supply Well Drilled: No Surface Water used to Drill: No  
 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 BED AQUIFER  
 Pit Location Formation: WELLINGTON  
 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.

**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.

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	4/1/2014 - G71 - 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 <a href="http://FRACFOCUS.ORG/">HTTP://FRACFOCUS.ORG/</a> OR FOR OCC ASSISTANCE CONTACT DENNIS NISKERN AT 405-522-2977 OR D.NISKERN@OCCEMAIL.COM
SPACING	4/8/2014 - G75 - FORMATIONS UNSPACED EXCEPT LAYTON; 40-ACRE LEASE (SW4 NW4)
SPACING - 51244	4/8/2014 - G75 - (40) N2 10-25N-1E EST LYTN
SURFACE CASING	4/1/2014 - G71 - MIN. 250' PER ORDER # 240901

**TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA** API 071-24745

6709 NORTH CLASSEN BLVD., OKLA. CITY, OKLA. 73116 \* LOCAL (405) 843-4847 \* OUT OF STATE (800) 654-3219  
 Certificate of Authorization No. 1293.

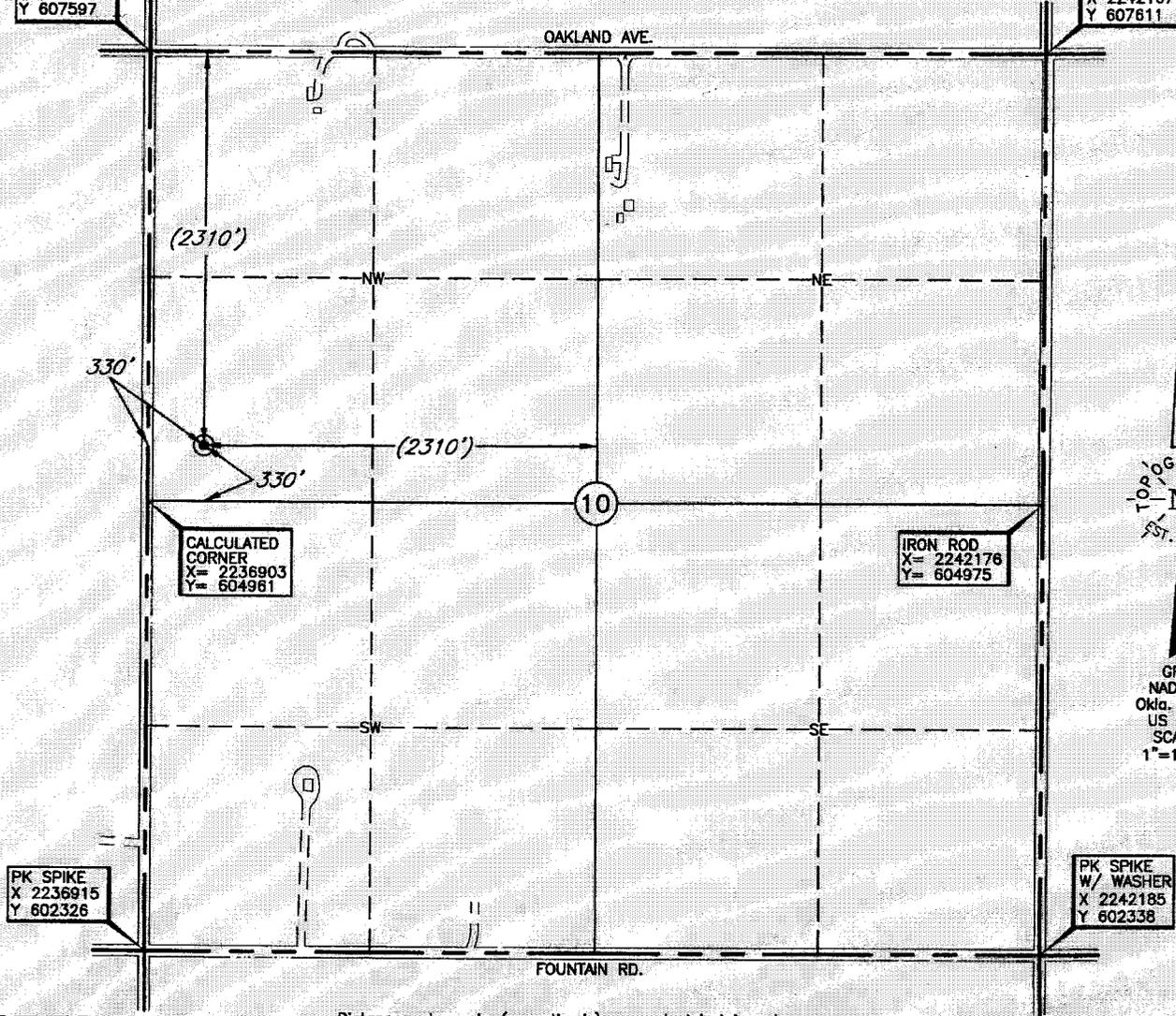
KAY

County, Oklahoma

330'FSL-330'FWL NW/4 Section 10 Township 25N Range 1E I.M.

IRON ROD  
X 2236890  
Y 607597

IRON ROD  
X 2242167  
Y 607611



CORNER COORDINATES ARE TAKEN FROM POINTS SURVEYED IN THE FIELD.

Distances shown in (parenthesis) are calculated based upon the Quarter Section being 2640 feet, those shown in [brackets] are based on GLO (General Land Office) distances and have NOT been measured on the ground.

A boundary survey of the said section(s) shown hereon was not performed per the request of the operator shown hereon.

Operator: INTERNATIONAL ENERGY CORPORATION

Lease Name: STEICHEN

Well No.: 10-4

**ELEVATION:**  
974' Gr. at Stake

Topography & Vegetation Loc. fell in alfalfa field.

Good Drill Site? Yes Reference Stakes or Alternate Location  
 Stakes Set None

Best Accessibility to Location From West off county road.

Distance & Direction from Hwy Jct or Town From Jct. US Hwy 177 North & US Hwy. 60-177 East, Tonkawa, OK, go ±5.0 mi. East on US Hwy. 60, then ±1.5 mi. South to the NW Corner of Section 10-T25N-R1E.

This information was gathered with a GPS receiver with ±1 foot Horiz./Vert. accuracy

DATUM: NAD-27  
 LAT: 36°39'36.3"N  
 LONG: 97°11'28.5"W  
 LAT: 36.660094156°N  
 LONG: 97.191238820°W  
 STATE PLANE COORDINATES: (US Feet)  
 ZONE: OK NORTH  
 X: 2237231  
 Y: 605292

Revision  A Date of Drawing: Dec. 30, 2013  
 Invoice # 212978 Date Staked: Dec. 12, 2013 AD

**CERTIFICATE:**

I, Thomas L. Howell a Oklahoma Licensed Land Surveyor and an authorized agent of Topographic Land Surveyors of Oklahoma, do hereby certify that the above described well location was surveyed and staked on the ground as shown herein.

*Thomas L. Howell*  
 Oklahoma Lic. No. 1433

