

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

API NUMBER: 071 24662

Approval Date: 05/01/2013  
Expiration Date: 05/01/2014

Straight Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 10 Twp: 25N Rge: 1E County: KAY  
SPOT LOCATION:  C  SW  NE  SW FEET FROM QUARTER: FROM SOUTH FROM WEST  
SECTION LINES: 1650 1650

Lease Name: BRORSEN Well No: 10-1 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  
TULSA, OK 74136-3922

DONNA BRORSEN  
19950 COUNTY RD 130  
PERRY OK 73077

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

	Name	Depth	Name	Depth	
1	LAYTON	3114	6	MISSISSIPPI LIME	4188
2	CLEVELAND	3474	7	WOODFORD	4491
3	SKINNER	3858	8	WILCOX	4555
4	RED FORK	4096	9		
5	MISSISSIPPI CHAT	4148	10		

Spacing Orders: 417843

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 5000

Ground Elevation: 972

**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: ON SITE

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: 2

Liner not required for Category: 2

Pit Location is BED AQUIFER

Pit Location Formation: WELLINGTON

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

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.

071 24662 BRORSEN 10-1

Category	Description
SPACING	5/1/2013 - G30 - SKINNER, WOODFORD, WILCOX UNSPACED, 320 ACRE LEASE (S2)
SPACING - 417843	5/1/2013 - G30 - (40) N2 SW4 & SE4 10-25N-1E EXT 365228 LYTN, RDFK, MSSCT, MSSLM EST CLVD, OTHERS

This permit does not address the right of entry or settlement of surface damages.  
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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.