

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

API NUMBER: 071 24761

Approval Date: 05/23/2014

Expiration Date: 11/23/2014

Straight Hole

Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 24 Twp: 25N Rge: 1E

County: KAY

SPOT LOCATION: ☐ SW ☐ NW ☐ NE ☐ SW

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 2272 1648

Lease Name: NICHOLSON

Well No: 24-15

Well will be 330 feet from nearest unit or lease boundary.

Operator Name: INTERNATIONAL ENERGY CORPORATION

Telephone: 9187437300

OTC/OCC Number: 22390 0

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

HENRY & PAM NICHOLSON
1310 CAUDILL DR.
WATONGA OK 73772

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

	Name	Depth		Name	Depth
1	LAYTON	2902	6	WILCOX	4392
2	CLEVELAND	3315	7		
3	RED FORK	3792	8		
4	MISSISSIPPI	3984	9		
5	WOODFORD	4344	10		

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 4800

Ground Elevation: 933

Surface Casing: 250

Depth to base of Treatable Water-Bearing FM: 150

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: No

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? 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

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 14-27041
H. CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, 20-MIL LINED TRENCH
PIT FOR SOIL FARMING

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	5/5/2014 - 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 HTTP://FRACFOCUS.ORG/ OR FOR OCC ASSISTANCE CONTACT DENNIS NISKERN AT 405-522-2977 OR D.NISKERN@OCCEMAIL.COM
SPACING	5/20/2014 - G75 - FORMATIONS UNSPACED; 122-ACRE LEASE (N2 SW4, N2 N2 SW4 SW4, E2 SE4 SW4, E2 W2 SE4 SW4, NW4 NW4 SE4 SW4) PER ATTACHED PLAT;
SURFACE CASING	5/5/2014 - G71 - MIN. 250' PER ORDER # 240901
SURFACE LOCATION	5/20/2014 - G75 - 2272' FSL, 330' FNL, 1648' FWL, 988' FEL SW4 24-25N-1E PER SURVEY PLAT

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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.

071 24761 NICHOLSON 24-15

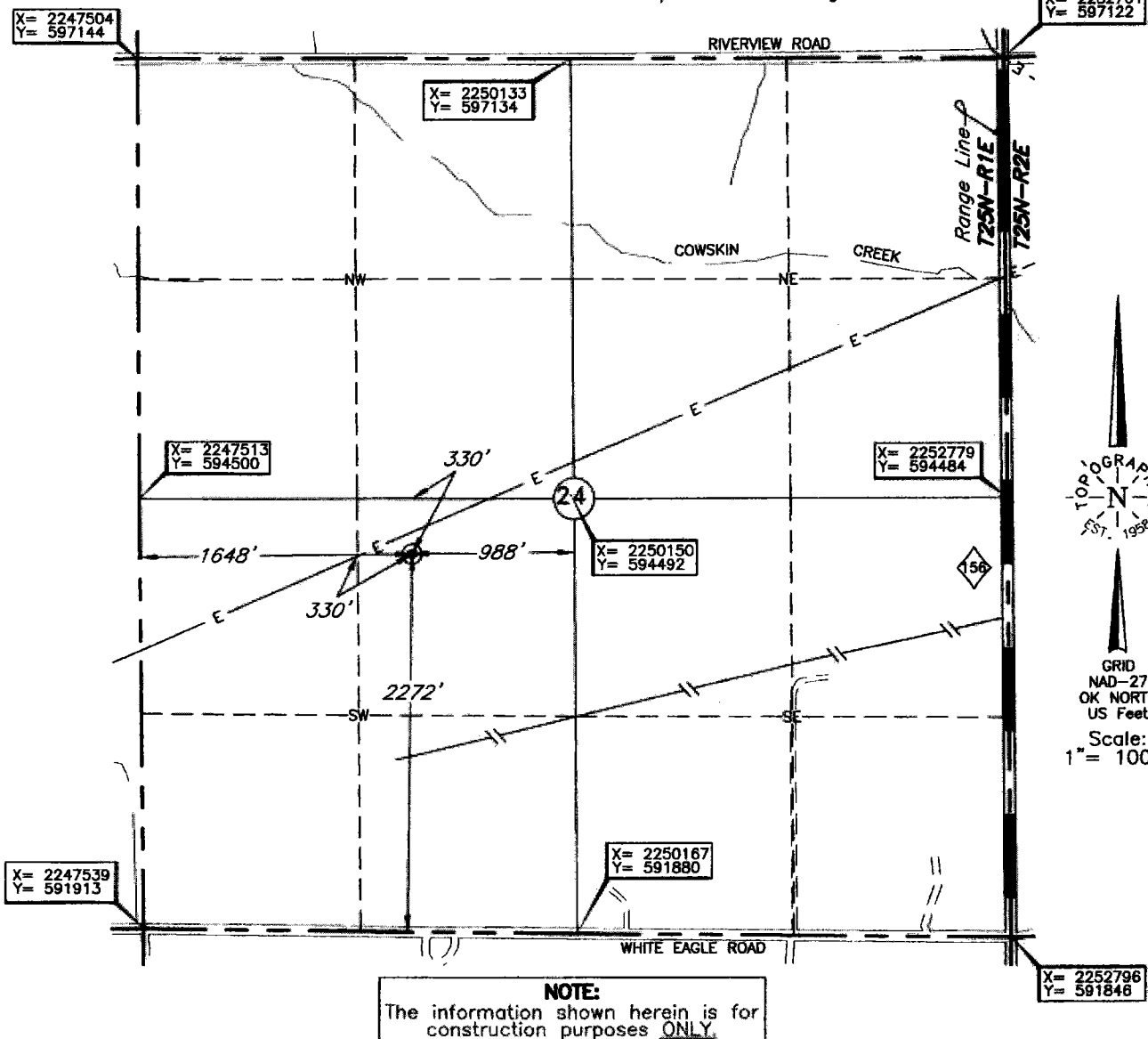
TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA6709 NORTH CLASSEN BLVD., OKLA. CITY, OKLA. 73116 * LOCAL (405) 843-4847 * OUT OF STATE (800) 854-3219
Certificate of Authorization No. 1293.

KAY

County, Oklahoma

APR 071-24761

330'FNL-330'FWL-NE/4-SW/4 Section 24 Township 25N Range 1E I.M.

Operator: INTERNATIONAL ENERGY CORPORATIONLease Name: NICHOLSONWell No.: 24-15**ELEVATION:**933' Gr. at StakeTopography & Vegetation Loc. fell in wheat field, ±91' SE of powerline.Good Drill Site? Yes

Reference Stakes or Alternate Location

Stakes Set NoneBest Accessibility to Location From county road South of location.

Distance & Direction

from Hwy Jct or Town From Tonkawa, Oklahoma, go ±0.2 mi. North, then ±9.5 mi. East on Old US Hwy. 77/North Ave., then ±4.0 mi. South on St. Hwy. 156, then ±1.0 mi. West to the SW Corner of Section 24, T25N-R1E.

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

DATUM: NAD-27
 LAT: 36°37'45.3"N
 LONG: 97°09'03.2"W
 LAT: 36.629252052°N
 LONG: 97.150890325°W
 STATE PLANE
 COORDINATES: (US Feet)
 ZONE: OK NORTH
 X: 2249164
 Y: 594165

Date of Drawing: Apr. 11, 2014
 Invoice # 219661 Date Staked: Apr. 08, 2014

AD

CERTIFICATE:

I, Thomas L. Howell a Oklahoma Licensed Land Surveyor and an authorized agent of Topographic Land Surveyors of Oklahoma, do hereby certify to the information shown herein.

Thomas L. Howell
 Oklahoma Lic. No. 1433

