

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

API NUMBER: 093 24985

Approval Date: 05/02/2014

Expiration Date: 11/02/2014

Straight Hole

Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 28 Twp: 20N Rge: 14W

County: MAJOR

SPOT LOCATION:

N2

S2

NE

NW

FEET FROM QUARTER: FROM

NORTH

FROM

EAST

SECTION LINES:

900

660

Lease Name: DOW

Well No: 2-28

Well will be 660 feet from nearest unit or lease boundary.

Operator Name: CRAWLEY PETROLEUM CORPORATION

Telephone: 4052329700

OTC/OCC Number: 7980 0

CRAWLEY PETROLEUM CORPORATION
105 N HUDSON AVE STE 800
OKLAHOMA CITY, OK 73102-4803

LELAND V. DOW A/K/A L. VANCE DOW
RT. 1, BOX 132
LONGDALE OK 73755

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

	Name	Depth		Name	Depth
1	TONKAWA	6400	6	MORROW	7900
2	COTTAGE GROVE	6802	7	CHESTER LIME	8100
3	BIG LIME-OSWEGO	7430	8	MISSISSIPPI SOLID	8950
4	RED FORK	7720	9	WOODFORD	9550
5	INOLA	7852	10		

Spacing Orders: 108492
247727
562356

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 9650

Ground Elevation: 1722

Surface Casing: 380

Depth to base of Treatable Water-Bearing FM: 330

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: 65000 Average: 9000

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 AP/TE DEPOSIT

Pit Location Formation: TERRACE

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 14-26995

H. SOIL COMPACTED PIT, NOTIFY DISTRICT PRIOR TO TESTING SOIL PIT LINER

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	4/25/2014 - 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	5/2/2014 - G75 - INOLA UNSPACED; 80-ACRE LEASE (E2 NW4)
SPACING - 108492	5/2/2014 - G75 - (80) 28-20N-14W SU NE/SW VAC 86465 CRLM EST CRLM
SPACING - 247727	5/2/2014 - G75 - (80) 28-20N-14W SU NE/SW REFORM 86465 MSSSD
SPACING - 562356	5/2/2014 - G75 - (80) 28-20N-14W SU NE/SW VAC 86465 TNKW, CGGV, BGLO, RDFK, MRRW, OTHER EST WDFD, OTHER EXT 109729 TNKW, CGGV, BGLO, RDFK, MRRW

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.

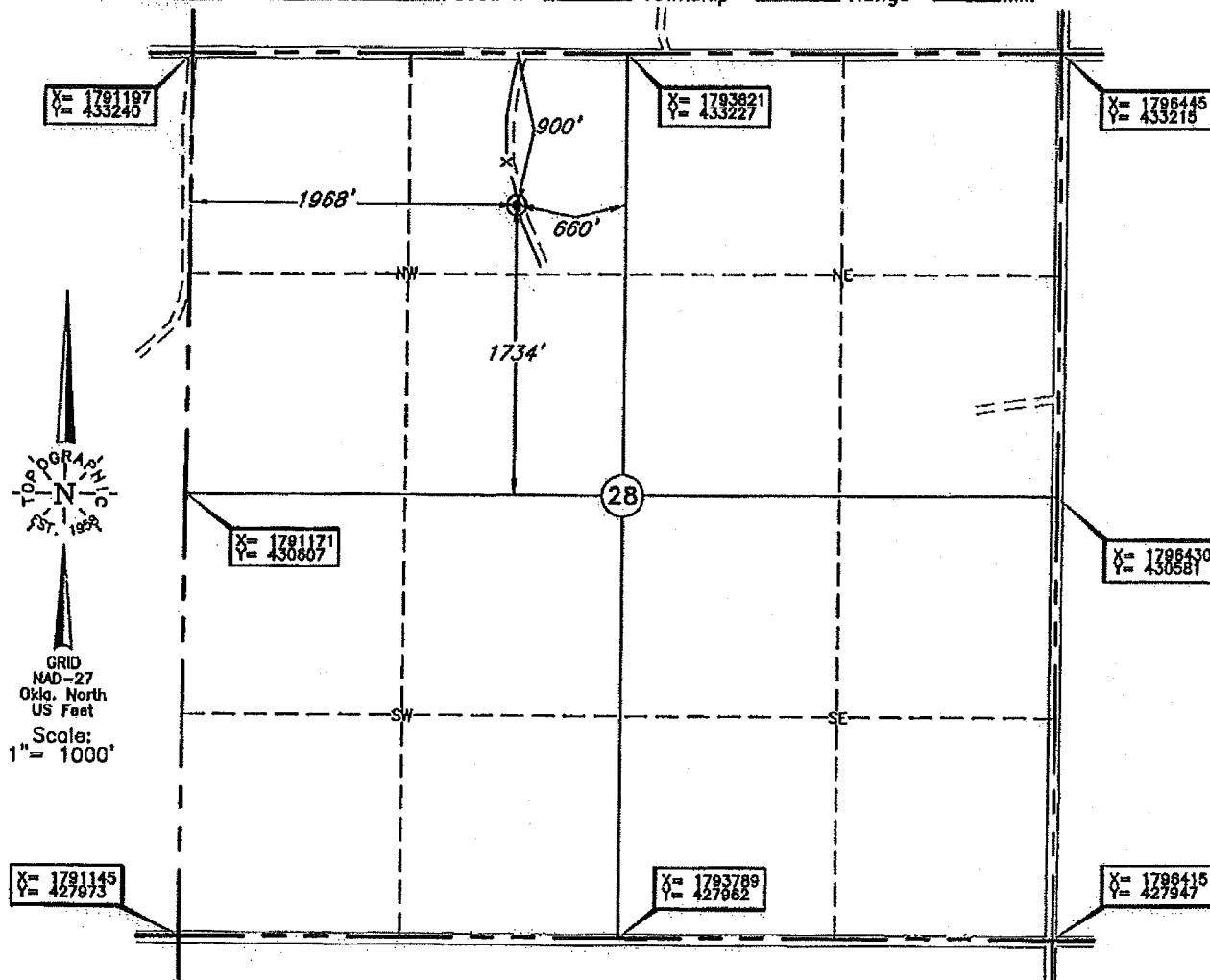
Rule 165: 10-3-4 (c) (7) (e) - The Operator shall give 24 Hours notice by telephone to the appropriate District Office of the Conservation Division as to when Surface Casing will be run.

093 24985 DOW 2-28

TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA
 6709 NORTH CLASSEN BLVD., OKLA. CITY, OKLA. 73118 * LOCAL (405) 843-4847 * OUT OF STATE (800) 854-3219
 Certificate of Authorization No. 1293
 MAJOR

API 093-24985

900' FNL-860' FEL - NW/4 Section 28 Township 20N Range 14W I.M. County, Oklahoma



Operator: CRAWLEY PETROLEUM CORP.

Lease Name: DOW

Well No.: 2-28

ELEVATION:

1722' Gr. of Stake

Topography & Vegetation Loc. fell in pasture, ±10' West of N-S fence

Good Drill Site? Yes

Reference Stakes or Alternate Location
 Stakes Set None

Best Accessibility to Location From North off county road

Distance & Direction

from Hwy Jct or Town From Hwy 281 N-S and Hwy 60 E-W, go East on Hwy 60 ±11.0 mi., then go South ±2.0 mi., then ±1.0 mi. East to the NW corner of Section 28-T20N-R14W

DATUM: NAD-27
 LAT: 36°11'08.3"N
 LONG: 98°42'03.3"W
 LAT: 36.185640273°N
 LONG: 98.700919368°W
 STATE PLANE
 COORDINATES: (US Feet)
 ZONE: OK NORTH
 X: 1793155
 Y: 432331

Invoice # 215489

Date of Drawing: Feb. 12, 2014

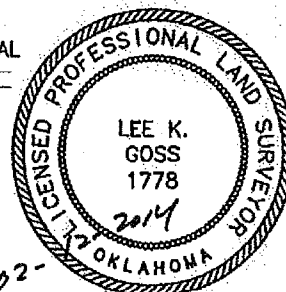
Date Staked: Feb. 11, 2014

JAL

CERTIFICATE:

I, Lee K. Goss a Oklahoma Licensed Land Surveyor and an authorized agent of Topographic Land Surveyors of Oklahoma, do hereby certify to the information shown herein

Oklahoma Lic. No. 1778



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