

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

API NUMBER: 045 23477

Approval Date: 05/20/2014
Expiration Date: 11/20/2014

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 32 Twp: 20N Rge: 24W County: ELLIS
SPOT LOCATION: N2 NE NE NE FEET FROM QUARTER: FROM NORTH FROM EAST
SECTION LINES: 300 330

Lease Name: COWBOYS 29 Well No: 5H Well will be 300 feet from nearest unit or lease boundary.
Operator Name: JONES ENERGY LLC Telephone: 5123282953 OTC/OCC Number: 21043 0

JONES ENERGY LLC
807 LAS CIMAS PKWY STE 350
AUSTIN, TX 78746-6193

CAROLE LYNN FILMORE
2341 10TH AVE.
LINDSBORG KS 67456

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

Name	Depth	Name	Depth
1 CLEVELAND	8477	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 121653 Location Exception Orders: 201403404 Increased Density Orders: 201403400

Pending CD Numbers:

Special Orders:

Total Depth: 13688 Ground Elevation: 2464 **Surface Casing: 790** Depth to base of Treatable Water-Bearing FM: 740

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: 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: C

Liner not required for Category: C

Pit Location is BED AQUIFER

Pit Location Formation: OGALLALA

D. One time land application -- (REQUIRES PERMIT)

PERMIT NO: 14-27263

H. SEE MEMO

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.

PIT 2 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: OIL BASED

Chlorides Max: 300000 Average: 200000

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: OGALLALA

HORIZONTAL HOLE 1

Sec 29 Twp 20N Rge 24W County ELLIS

Spot Location of End Point: N2 NE NE NE

Feet From: NORTH 1/4 Section Line: 165

Feet From: EAST 1/4 Section Line: 330

Depth of Deviation: 7892

Radius of Turn: 650

Direction: 360

Total Length: 4775

Measured Total Depth: 13688

True Vertical Depth: 8564

End Point Location from Lease,
Unit, or Property Line: 165

Notes:

Category

Description

MEMO

5/19/2014 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR OPTION, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201403400

5/20/2014 - G72 - 29-20N-24W X 121653 CLVD;
3 WELLS;
NO OPER NAMED;
REC 5/16/2014 (P PORTER)

PENDING CD - 201403404

5/20/2014 - G72 - 29-20N-24W (E.O.)
X 121653 CLVD;
SHL 200 FNL NCT 330 FEL (32-20N-24W);
1ST PERF NCT 165 FSL NCT 330 FEL;
LST PERF NCT 165 FNL NCT 330 FEL;
NO OPER NAMED;
REC 5/16/2014 (P PORTER)

SPACING - 121653

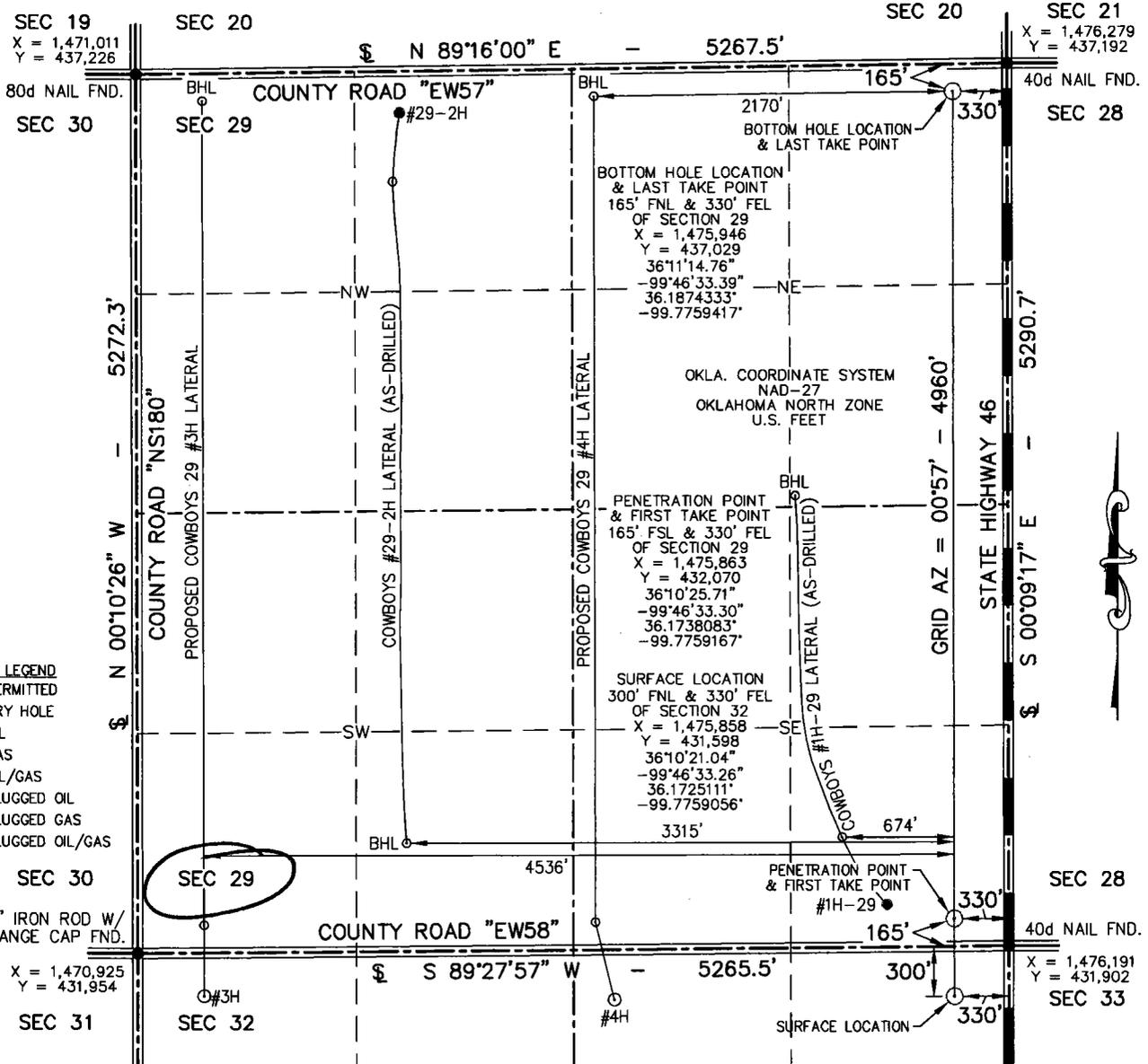
5/20/2014 - G72 - (640) 29-20N-24W
EXT 64184 CLVD, OTHERS

This permit does not address the right of entry or settlement of surface damages.
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API 045 23477

PROPOSED NEW WELL LOCATION PLAT

COMPANY JONES ENERGY, LLC LEASE COWBOYS 29 WELL NO. 5H
 SECTION 32 TOWNSHIP 20-N RANGE 24-WM LOCATION 300' FNL 330' FEL
 COUNTY ELLIS STATE OKLAHOMA TOPOGRAPHY AND VEGETATION PASTURE
 LATITUDE 36°10'21.04" LONGITUDE -99°46'33.26" NAD27 ELEVATION 2464' NGVD29 DATE STAKED 4/9/14
 DIRECTION FROM NEAREST TOWN APPROXIMATELY 2.5 MILES NORTH OF ARNETT, OKLAHOMA



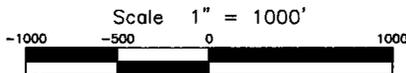
WELL LEGEND

- PERMITTED
- DRY HOLE
- OIL
- ☆ GAS
- ★ OIL/GAS
- ✱ PLUGGED OIL
- ✱ PLUGGED GAS
- ✱ PLUGGED OIL/GAS

SEC 30
 1/2" IRON ROD W/
 ORANGE CAP FND.
 X = 1,470,925
 Y = 431,954

NOTE:

1. This plat is intended for Oklahoma Corporation Commission Permit purposes only and is NOT to be relied upon as a boundary survey and is NOT to be used to convey or establish real property interests.
2. Bearings and dimensions shown are based on Geodetic Azimuth and Ground distance. All X,Y coordinates are based on NAD27, Oklahoma North Zone, U.S. Feet.
3. X,Y Coordinates were derived from GPS RTK methods and are only accurate within +/- 10 feet.
4. As-drilled data shown on this plat was provided by client and /or third party. Information was not nor has not been field verified by Surveyor.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY MYSELF OR OTHERS UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

SIGNED: _____ DATED: 5/1/14



APEX
 SURVEYING & MAPPING, INC.
 TEXAS * OKLAHOMA * KANSAS
 8330 CANYON DRIVE AMARILLO, TEXAS 79119 806-353-7231
 105 HACKBERRY TRAIL CANADIAN, TEXAS 79014 806-323-9773
 Certificate of Authorization No. 3415, Exp. June 30, 2014

JONES
 807 LAS CHIAS PARKWAY SUITE 350 AUSTIN, TEXAS 78748

FIELD:	KB,SF,GPS
DRAWN:	SDT
DATE:	5/1/14
CHECKED:	MLS
REVISION:	

JOB NO. 214-357-1