

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

API NUMBER: 045 23479

Approval Date: 05/21/2014

Expiration Date: 11/21/2014

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 32 Twp: 20N Rge: 24W

County: ELLIS

SPOT LOCATION: ☐ NE ☐ NW ☐ NW ☐ NW

FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 260 400

Lease Name: COWBOYS 29

Well No: 3H

Well will be 260 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

DENISE & RALHP WAITE JR.
PO BOX 222
ARNETT OK 73832

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

Name	Depth	Name	Depth
1 CLEVELAND	8467	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 121653

Location Exception Orders: 201403401

Increased Density Orders: 201403400

Pending CD Numbers:

Special Orders:

Total Depth: 13623

Ground Elevation: 2442

Surface Casing: 800

Depth to base of Treatable Water-Bearing FM: 750

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: 14-27261

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: NE NW NW NW

Feet From: NORTH 1/4 Section Line: 165

Feet From: WEST 1/4 Section Line: 400

Depth of Deviation: 7883

Radius of Turn: 650

Direction: 360

Total Length: 5369

Measured Total Depth: 13623

True Vertical Depth: 8554

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 - 201403401

5/20/2014 - G72 - 29-20N-24W (E.O.)
X 121653 CLVD;
SHL NCT 200 FNL NCT 400 FEL (32-20N-24W);
1ST PER NCT 165 FSL NCT 400 FWL;
LST PERF NCT 165 FNL NCT 400 FWL;
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.

The duration of this permit is SIX MONTHS, except as otherwise provided by Rule 165: 10-3-1.

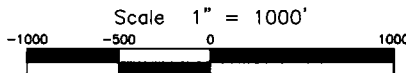
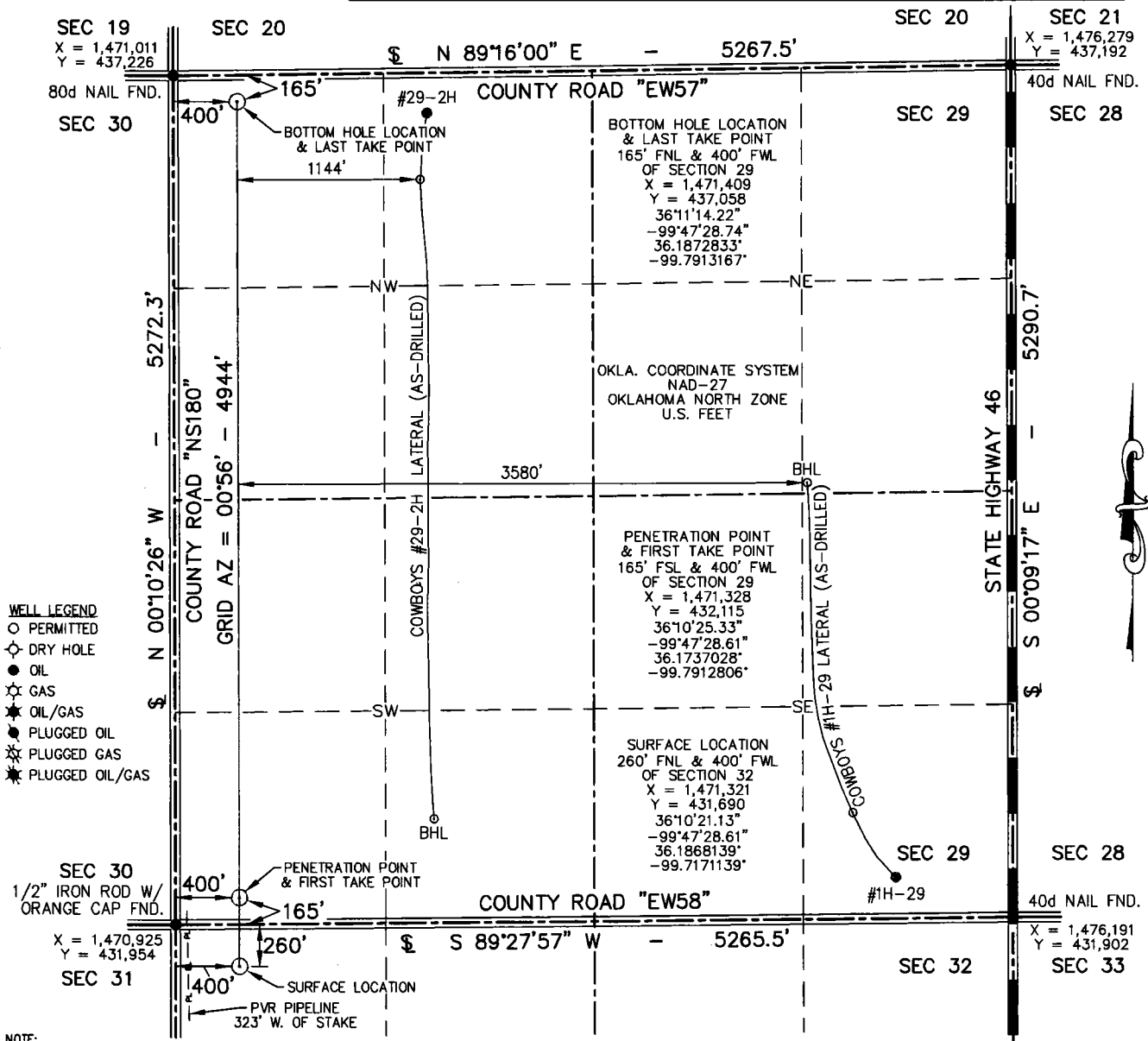
Rule 165: 10-3-4 (c) (7) (e) - The Operator shall give 24 Hours notice by telephone to the appropriate District Office of the Conservation Division as to when Surface Casing will be run.

045 23479 COWBOYS 29 3H

API 045 234 79

PROPOSED NEW WELL LOCATION PLAT

COMPANY JONES ENERGY, LLC LEASE COWBOYS 29 WELL NO. 3H
 SECTION 29 TOWNSHIP 20-N RANGE 24-WM LOCATION 260' FNL 400' FWL
 COUNTY ELLIS STATE OKLAHOMA TOPOGRAPHY AND VEGETATION PASTURE
 LATITUDE 36°10'21.13" LONGITUDE -99°47'28.61" NAD27 ELEVATION 2442' NGVD29 DATE STAKED 4/30/14
 DIRECTION FROM NEAREST TOWN APPROXIMATELY 2.5 MILES NORTH OF ARNETT, OKLAHOMA



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: [Signature] DATED: 5/1/14

APEX
 SURVEYING & MAPPING, INC.
 TEXAS • OKLAHOMA • KANSAS
 8330 CANYON DRIVE
 AMARILLO, TEXAS 79119
 806-353-7231
 Certificate of Authorization No. 3415, Exp. June 30, 2014

JONES
 807 LAS CIMAS PARKWAY
 SUITE 350
 AUSTIN, TEXAS 78746

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



JOB NO. 213-767-1.2