

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

API NUMBER: 045 23559

Approval Date: 01/07/2015
Expiration Date: 07/07/2015

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 16 Twp: 20N Rge: 25W County: ELLIS
SPOT LOCATION: NW NE NW NE FEET FROM QUARTER: FROM NORTH FROM EAST
SECTION LINES: 250 1785

Lease Name: PANTHERS 16 Well No: 4H Well will be 250 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

BLAIS FAMILY TURST
1940 OVERLOOK ROAD
FULLERTON CA 92831

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

Name	Depth	Name	Depth
1 CLEVELAND	8170	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 504825 Location Exception Orders: 633962 Increased Density Orders: 633797

Pending CD Numbers:

Special Orders:

Total Depth: 13021 Ground Elevation: 2394 **Surface Casing: 650** Depth to base of Treatable Water-Bearing FM: 600

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: 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: 1B

Liner required for Category: 1B

Pit Location is BED AQUIFER

Pit Location Formation: OGALLALA

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

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

PERMIT NO: 14-29017

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 16 Twp 20N Rge 25W County ELLIS

Spot Location of End Point: SE SE SW SE

Feet From: SOUTH 1/4 Section Line: 165

Feet From: EAST 1/4 Section Line: 1485

Depth of Deviation: 7604

Radius of Turn: 650

Direction: 178

Total Length: 4396

Measured Total Depth: 13021

True Vertical Depth: 8263

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

Notes:

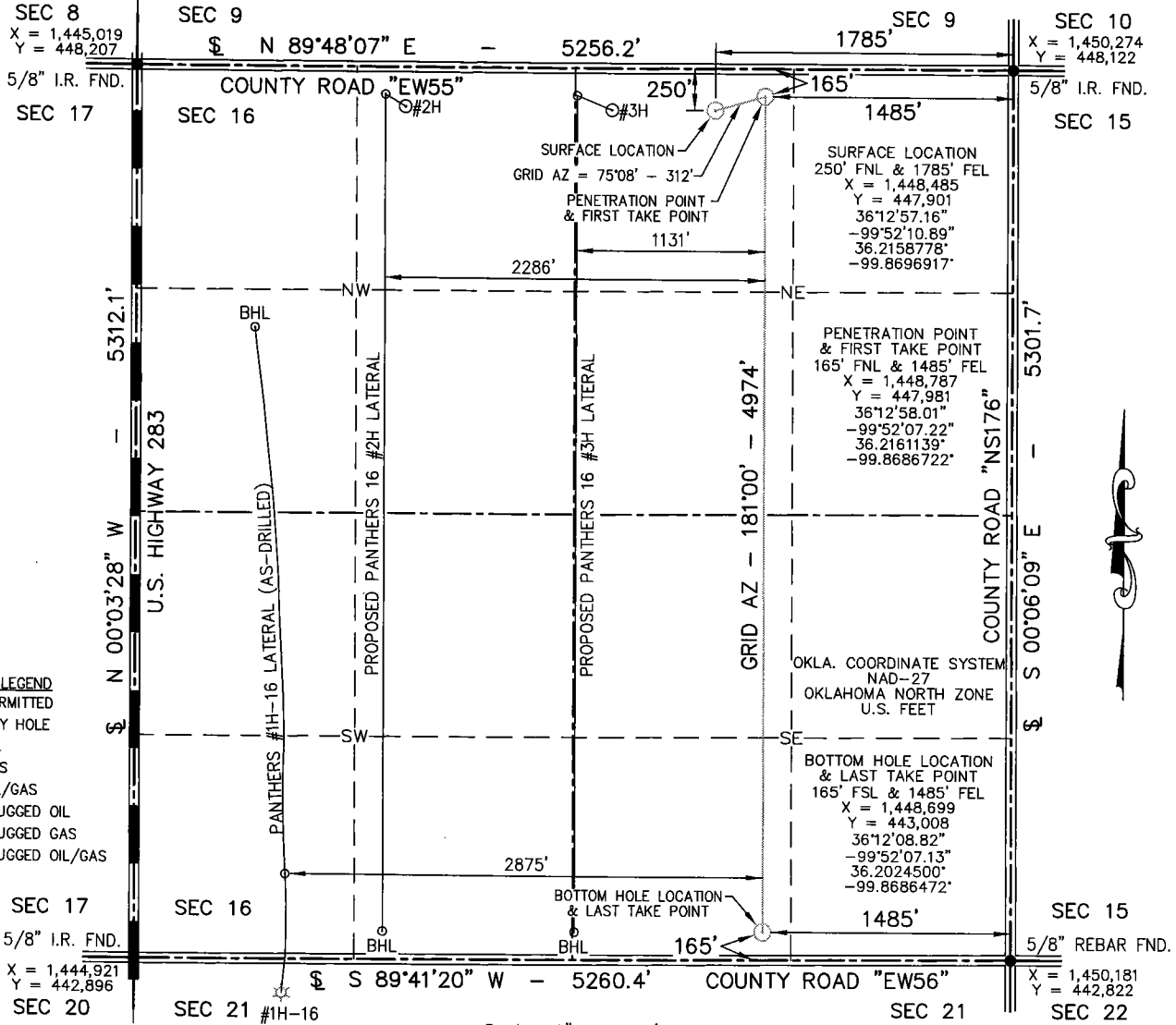
Category	Description
INCREASED DENSITY - 633797	1/6/2015 - G75 - 16-20N-25W X504825 CLVD 4 WELLS JONES ENERGY, LLC 12-4-2014
LOCATION EXCEPTION - 633962	1/6/2015 - G75 - (I.O.) 16-20N-25W X504825 CLVD FIRST PERF NCT 165 FNL, NCT 1485 FEL LAST PERF NCT 165 FSL, NCT 1485 FEL JONES ENERGY, LLC 12-9-2014
MEMO	11/14/2014 - G71 - PIT 1 - SOIL COMPACTED PIT, NOTIFY DISTRICT PRIOR TO TESTING SOIL PIT LINER; PIT 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, OBM TO VENDOR, OBM CUTTINGS PER DISTRICT
SPACING - 504825	1/6/2015 - G75 - (640) 16-20N-25W EXT 185772 CLVD, OTHERS EST OTHER

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Office of the Conservation Division as to when Surface Casing will be run.

API 045-23559

PROPOSED NEW WELL LOCATION PLAT

COMPANY JONES ENERGY, LLC LEASE PANTHERS 16 WELL NO. 4H
 SECTION 16 TOWNSHIP 20-N RANGE 25-W LOCATION 250' FNL 1785' FEL
 COUNTY ELLIS STATE OKLAHOMA TOPOGRAPHY AND VEGETATION PASTURE
 LATITUDE 36°12'57.16" LONGITUDE -99°52'10.89" NAD27 ELEVATION 2394' NGVD29 DATE STAKED 9/10/14
 DIRECTION FROM NEAREST TOWN APPROXIMATELY 4.0 MILES SOUTH OF SHATTUCK, OKLAHOMA



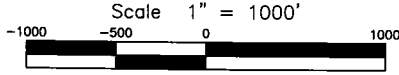
- WELL LEGEND**
- PERMITTED
 - DRY HOLE
 - OIL
 - ☆ GAS
 - ☆ OIL/GAS
 - ⊗ PLUGGED OIL
 - ⊗ PLUGGED GAS
 - ⊗ PLUGGED OIL/GAS

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: 9/11/14



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, 2016

JONES

807 LAS CIMAS PARKWAY
 SUITE 350
 AUSTIN, TEXAS 78748

FIELD:	JT,SF,GPS
DRAWN:	SDT
DATE:	9/11/14
CHECKED:	MLS
REVISION:	

JOB NO. 214-771-1