

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

API NUMBER: 045 23478 A

Approval Date: 05/21/2014

Expiration Date: 11/21/2014

Horizontal Hole Oil & Gas

Amend reason: AMENDING PERMIT DUE TO CHANGE IN PIT
SYSTEM #1

AMEND PERMIT TO DRILL

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

County: ELLIS

SPOT LOCATION:

FEET FROM QUARTER: FROM NORTH FROM EAST

SECTION LINES: 300 2387

Lease Name: COWBOYS 29

Well No: 4H

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 GILMORE
2341 10TH AVE.
LINDSBORG KS 67456

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

Name	Depth	Name	Depth
1 CLEVELAND	8475	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 121653

Location Exception Orders: 201403402

Increased Density Orders: 201403400

Pending CD Numbers:

Special Orders:

Total Depth: 13702

Ground Elevation: 2460

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

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: 14-27262

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: NW NW NW NE

Feet From: NORTH 1/4 Section Line: 165

Feet From: EAST 1/4 Section Line: 2500

Depth of Deviation: 7906

Radius of Turn: 650

Direction: 360

Total Length: 5425

Measured Total Depth: 13702

True Vertical Depth: 8572

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

Notes:

Category

Description

MEMO

5/30/2014 - G71 - PIT 1 - SOIL COMPACTED PIT, NOTIFY DISTRICT PRIOR TO TESTING SOIL PIT LINER, PIT 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201403402

5/20/2014 - G72 - 29-20N-24W
X121653 CLVD;
SHL NCT 200 FNL NCT 2500 FEL (32-20N-24W);
1ST PERF NCT 165 FSL NCT 2500 FEL;
LST PERF NCT 165 FNL NCT 2500 FEL;
NO OPER NAMED;
REC 5/16/2014 (P PORTER)

PENDING CD -201403400

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

SPACING - 121653

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

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045 23478 COWBOYS 29 4H