

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

API NUMBER: 043 23458

Approval Date: 05/10/2016
Expiration Date: 11/10/2016

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 36 Twp: 17N Rge: 20W County: DEWEY
SPOT LOCATION: N2 NE NW NE FEET FROM QUARTER: FROM NORTH FROM EAST
SECTION LINES: 250 1650

Lease Name: FARISS Well No: 4-36H Well will be 250 feet from nearest unit or lease boundary.
Operator Name: JMA ENERGY COMPANY LLC Telephone: 4059474322 OTC/OCC Number: 20475 0

JMA ENERGY COMPANY LLC
1021 NW GRAND BLVD
OKLAHOMA CITY, OK 73118-6039

ROBETHA D. FARISS
P.O. BOX 249
LEEDEY OK 73654

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

Name	Depth	Name	Depth
1 CLEVELAND	9240	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 96193

Location Exception Orders: 632718
646949

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 13694

Ground Elevation: 1830

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 230

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: Yes

Surface Water used to Drill: No

PIT 1 INFORMATION

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 AP/TE DEPOSIT

Pit Location Formation: TERRACE

Approved Method for disposal of Drilling Fluids:

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

PERMIT NO: 16-31243

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 AP/TE DEPOSIT

Pit Location Formation: TERRACE

HORIZONTAL HOLE 1

Sec 36 Twp 17N Rge 20W County DEWEY

Spot Location of End Point: C S2 S2 SE

Feet From: SOUTH 1/4 Section Line: 330

Feet From: EAST 1/4 Section Line: 1320

Depth of Deviation: 8667

Radius of Turn: 573

Direction: 178

Total Length: 4127

Measured Total Depth: 13694

True Vertical Depth: 9240

End Point Location from Lease,
Unit, or Property Line: 330

Notes:

Category

Description

DEEP SURFACE CASING

5/9/2016 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY FOR ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON CONDUCTOR OR SURFACE CASING

HYDRAULIC FRACTURING

5/9/2016 - G71 - OCC 165:10-3-10 REQUIRES: 1) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS BE REPORTED TO FRACFOCUS USING THE FOLLOWING LINK [HTTP://FRACFOCUS.ORG/](http://fracfocus.org/) WITH NOTICE GIVEN 48 HOURS IN ADVANCE OF FRACTURING TO THE LOCAL OCC DISTRICT OFFICE; AND, 2) PRIOR TO COMMENCEMENT OF FRACTURING OPERATIONS FOR HORIZONTAL WELLS, NOTICE ALSO GIVEN FIVE BUSINESS DAYS IN ADVANCE TO OFFSET OPERATORS WITH WELLS COMPLETED IN THE SAME COMMON SOURCE OF SUPPLY WITHIN 1/2 MILE.

LOCATION EXCEPTION - 632718

5/10/2016 - G75 - (I.O.) 36-17N-20W
X96193 CLVD, OTHERS
COMPL. INT. NCT 330 FNL, NCT 330 FSL, NCT 600 FEL
JMA ENERGY CO., L.L.C.
11-6-2014

LOCATION EXCEPTION - 646949

5/10/2016 - G75 - EXTEND 632718 UNTIL 11-6-2016

MEMO

5/9/2016 - G71 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 2 - OBM TO VENDOR, OBM CUTTINGS PER DISTRICT

SPACING - 96193

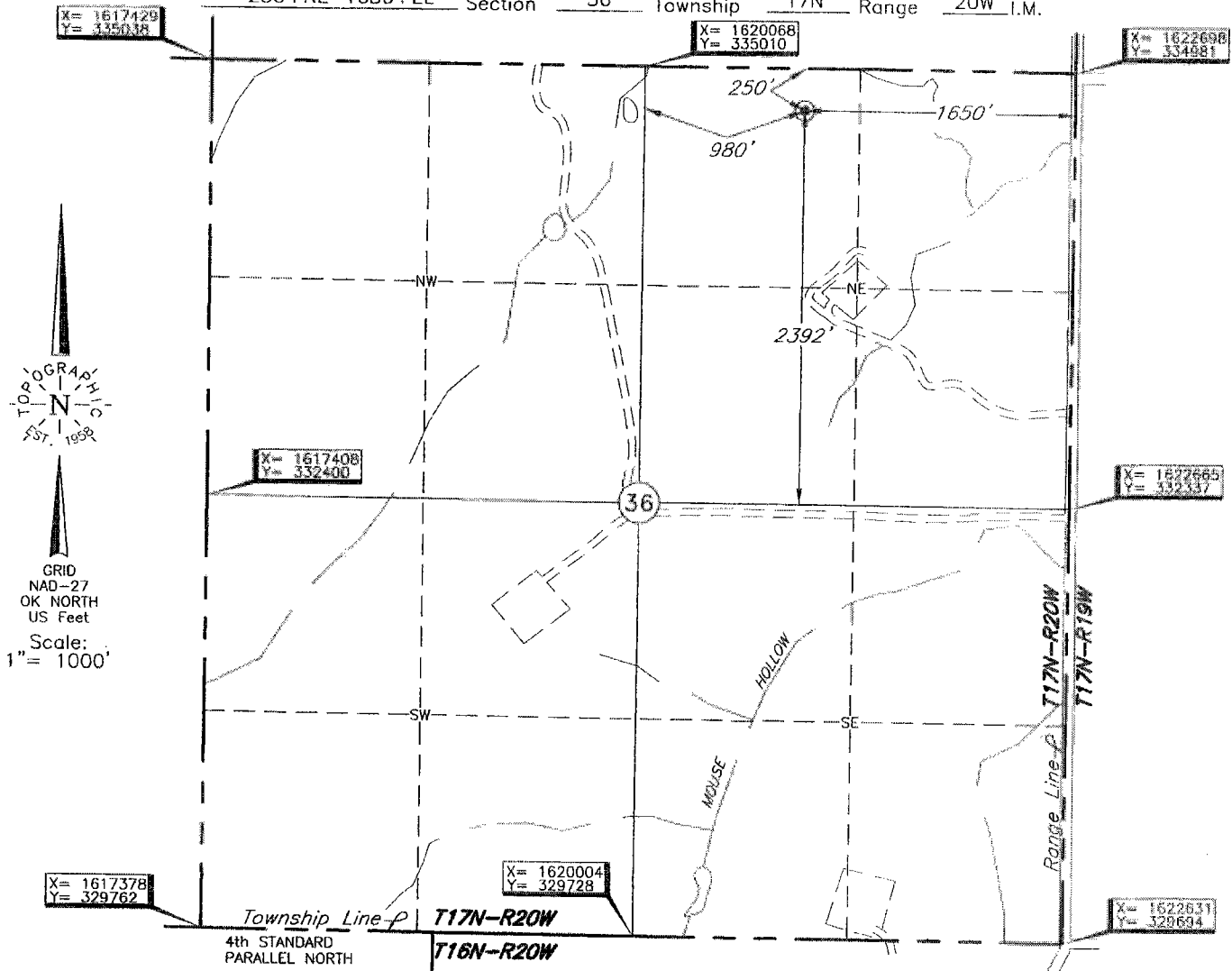
5/10/2016 - G75 - (640) 36-17N-20W
EXT OTHER
EXT 68764/93643 CLVD, OTHERS
EST OTHER

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.

DEWEY

County, Oklahoma

250'FNL-1650'FEL Section 36 Township 17N Range 20W I.M.



NOTE:

The information shown herein is for construction purposes ONLY.

Operator: JMA ENERGY CO., LLC

Lease Name: FARISS

Well No.: 4-36H

ELEVATION:
1830' Gr. at Stake

Topography & Vegetation Location fell in a wheat field.

Good Drill Site? Yes

Reference Stakes or Alternate Location
 Stakes Set None

Best Accessibility to Location From East off county road

Distance & Direction

from Hwy Jct or Town From Leedey, OK, go ±1.5 miles East on paved road, then ±1.0

mile North, then ±2 miles East, then ±2 miles North to the NE Cor. of Sec. 36-T17N-R20W

DATUM: NAD-27
 LAT: 35°54'45.9"N
 LONG: 99°16'47.0"W
 LAT: 35.912758513° N
 LONG: 99.279725876° W
 STATE PLANE
 COORDINATES: (US Feet)
 ZONE: OK NORTH
 X: 1621045
 Y: 334749

Invoice # 240794

Date of Drawing: Feb. 24, 2015

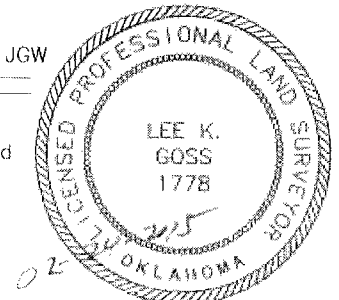
Date Staked: Feb. 20, 2015

JGW

CERTIFICATE:

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

Lee K. Goss
 Oklahoma Lic. No. 1778



This information was gathered with a GPS receiver with ±1 foot Horiz./Vert. accuracy.