

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

API NUMBER: 129 24098

Approval Date: 04/27/2017  
Expiration Date: 10/27/2017

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 12 Twp: 11N Rge: 23W County: ROGER MILLS  
SPOT LOCATION:  SE  SE  SW  SW FEET FROM QUARTER: FROM SOUTH FROM WEST  
SECTION LINES: 200 1200

Lease Name: WYATT BRIDGER Well No: 1-12H Well will be 200 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

GARY & PATRICIA ZIMMS  
10862 N. 1900 RD  
SAYRE OK 73662

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

	Name	Depth	Name	Depth
1	DOUGLAS (UP TONKAWA)	9225	6	
2	TONKAWA LOW	9935	7	
3	COTTAGE GROVE	10678	8	
4	CLEVELAND	11775	9	
5	MARMATON	12485	10	

Spacing Orders: 183282

Location Exception Orders: 662992

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 17500

Ground Elevation: 2102

**Surface Casing: 960**

Depth to base of Treatable Water-Bearing FM: 910

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: ELK CITY

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

PERMIT NO: 17-32479

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: ELK CITY

HORIZONTAL HOLE 1

Sec 12 Twp 11N Rge 23W County ROGER MILLS

Spot Location of End Point: E2 NE NW NW

Feet From: NORTH 1/4 Section Line: 330

Feet From: WEST 1/4 Section Line: 1200

Depth of Deviation: 12530

Radius of Turn: 535

Direction: 360

Total Length: 4130

Measured Total Depth: 17500

True Vertical Depth: 13100

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

Notes:

Category

Description

HYDRAULIC FRACTURING

4/21/2017 - 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 - 662992

4/27/2017 - G60 - (E.O.) 12-11N-23W  
X183282 DGTKU, TNKWL, CGGV, CLVD, MRMN  
COMPL. INT. NCT 330' FNL, NCT 330' FSL, NCT 660' FWL  
JMA ENERGY COMPANY LLC.  
4/20/17

MEMO

4/21/2017 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

SPACING - 183282

4/27/2017 - G60 - (640) 12-11N-23W  
EXT 132600/145095 DGTKU, TNKWL, CGGB, CLVD, MRMN, OTHERS

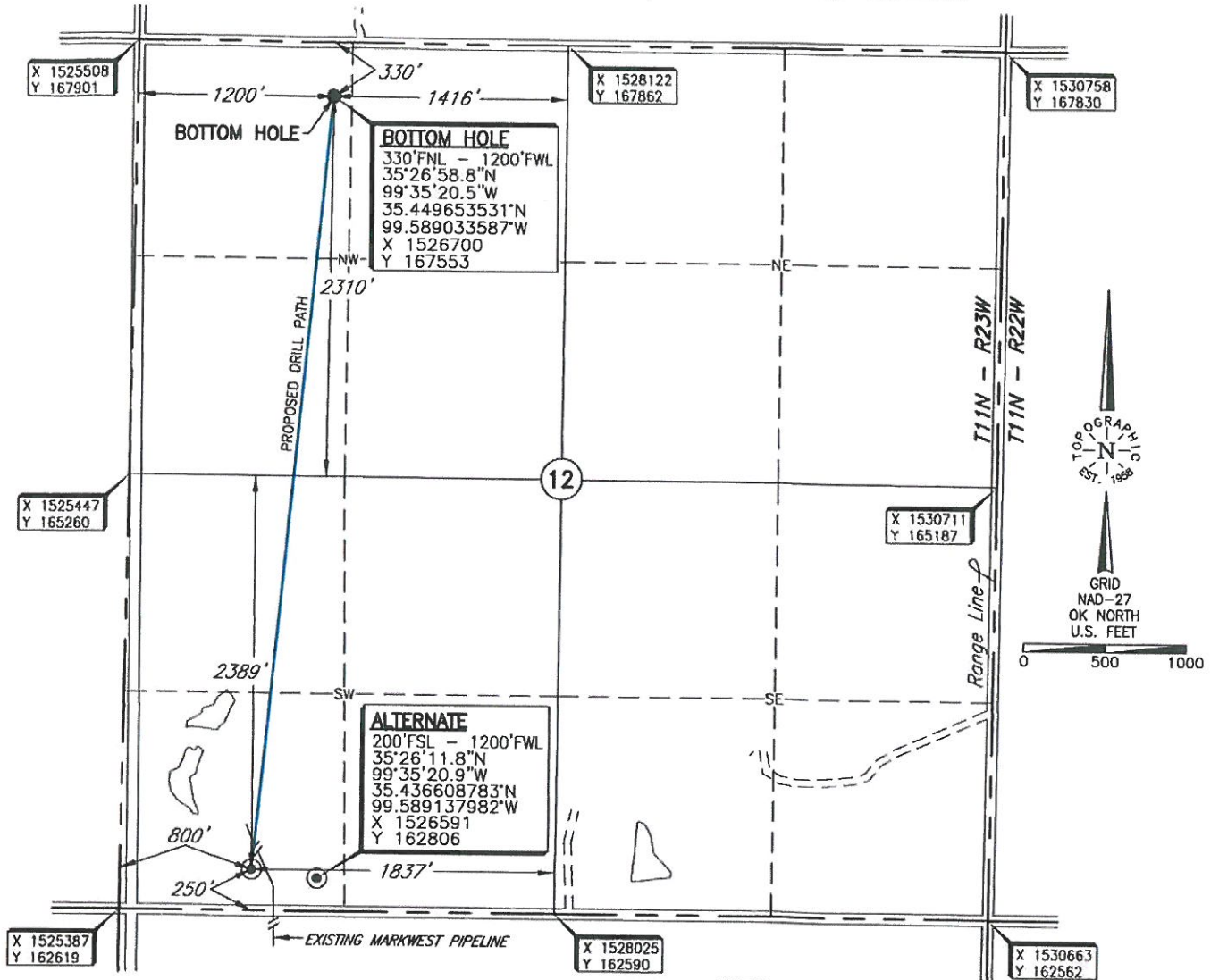
**TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA**

6709 NORTH CLASSEN BLVD., OKLA. CITY, OKLA. 73116 \* LOCAL (405) 843-4847 \* OUT OF STATE (800) 654-3219  
 Certificate of Authorization No. 1293 LS

3512924098

ROGER MILLS

250'FSL - 800'FWL Section 12 Township 11N Range 23W I.M. County, Oklahoma



BOTTOM HOLE AND DRILL PATH INFORMATION PROVIDED BY OPERATOR LISTED, NOT SURVEYED.

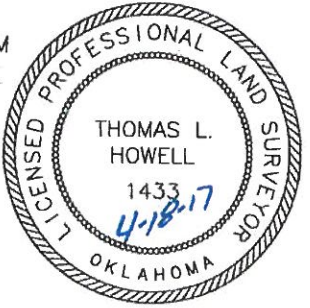
**NOTE:**  
 The information shown herein is for construction purposes ONLY.  
**ELEVATION:**  
 2102' Gr. at Stake

Operator: JMA ENERGY CO., LLC  
 Lease Name: WYATT BRIDGER Well No.: #1-12H  
 Topography & Vegetation Location fell in pasture, existing pipeline ±80' East.  
Alternate fell in pasture, existing pipeline ±287' West  
 Good Drill Site? No Alt.: Yes Alternate Location Stakes Set 200'FSL - 1200'FWL Elev. 2106' Gr.  
 Best Accessibility to Location From South off county road  
 Distance & Direction From the Jct. of U.S. Hwy. 283 and St. Hwy. 6, north of Sayre, Ok., go ±3.5 miles East on St. Hwy. 6, then ±2 miles North to the SW corner of Section 12, T11N - R23W.

DATUM: NAD-27  
 LAT: 35°26'12.3\"N  
 LONG: 99°35'25.7\"W  
 LAT: 35.436739830\"N  
 LONG: 99.590479630\"W  
 STATE PLANE COORDINATES: (US Feet)  
 ZONE: OK NORTH  
 X: 1526192  
 Y: 162860

Date of Drawing: April 18, 2017  
 Invoice # 269989 Date Staked: April 4, 2017 RKM

**CERTIFICATE:**  
 I, Thomas L. Howell an Oklahoma Licensed Land Surveyor and an authorized agent of Topographic Land Surveyors of Oklahoma, do hereby certify to the information shown herein  
Thomas L. Howell  
 Oklahoma Lic. No. 1433



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