

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

API NUMBER: 017 24837 A

Approval Date: 08/18/2016

Expiration Date: 02/18/2017

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 24 Twp: 14N Rge: 9W

County: CANADIAN

SPOT LOCATION:

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 282 765

Lease Name: JANICE

Well No: 1-24H

Well will be 282 feet from nearest unit or lease boundary.

Operator Name: MARATHON OIL COMPANY

Telephone: 7132962003

OTC/OCC Number: 1363 0

MARATHON OIL COMPANY
5555 SAN FELIPE ST
HOUSTON, TX 77056-2701

JANICE T. BOMHOFF & LEON A. BOMHOFF
P.O. BOX 240
CALUMET OK 73014

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

	Name	Depth	Name	Depth
1	MANNING	10050	6	
2	MISSISSIPPI SOLID	10500	7	
3			8	
4			9	
5			10	

Spacing Orders: 587888

Location Exception Orders: 635784

Increased Density Orders:

649110

Pending CD Numbers:

Special Orders:

Total Depth: 15409

Ground Elevation: 1432

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 440

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: Yes

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: 5000 Average: 3000

E. Haul to Commercial pit facility: Sec. 31 Twn. 12N Rng. 8W Cnty. 17 Order No: 587498

Is depth to top of ground water greater than 10ft below base of pit? Y

H. SEE MEMO

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

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 24 Twp 14N Rge 9W County CANADIAN

Spot Location of End Point: N2 NW NW NW

Feet From: NORTH 1/4 Section Line: 50

Feet From: WEST 1/4 Section Line: 330

Depth of Deviation: 9580

Radius of Turn: 573

Direction: 358

Total Length: 4929

Measured Total Depth: 15409

True Vertical Depth: 10500

End Point Location from Lease,
Unit, or Property Line: 50

Notes:

Category

Description

DEEP SURFACE CASING

8/9/2016 - 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

8/9/2016 - 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.

INTERMEDIATE CASING

8/9/2016 - G71 - DUE TO THE KNOWN POTENTIAL RISK OF ENCOUNTERING AN OVER-PRESSURED ZONE IN THE MORROW SERIES IN THIS AREA, THE TECHNICAL MANAGER RECOMMENDS SETTING AN INTERMEDIATE STRING OF CASING IMMEDIATELY ABOVE THE MORROW SERIES

LOCATION EXCEPTION - 635784

8/9/2016 - G75 - (I.O.) 24-14N-9W
X587888 MNNG, MSSSD
COMPL. INT. NCT 150 FSL, NCT 150 FNL, NCT 300 FWL
MARATHON OIL CO.
1-28-2015

LOCATION EXCEPTION - 649110

8/9/2016 - G75 - EXTEND 635784 UNTIL 1-28-2017

MEMO

8/9/2016 - G71 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 2 - OBM TO VENDOR, OBM CUTTINGS PER DISTRICT

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.

017 24837 JANICE 1-24H

Category

Description

SPACING - 587888

8/9/2016 - G75 - (640) 24-14N-9W
EXT (VER) 166936 MNNG, MSSSD, OTHERS
EST (HOR) 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.

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.

CANADIAN

County, Oklahoma

API: 017-24837

282'FSL - 765'FWL Section 24 Township 14N Range 9W I.M.

X= 1964840
Y= 248183

X= 1970175
Y= 248192

X= 1967508
Y= 248188

X= 1970157
Y= 245555

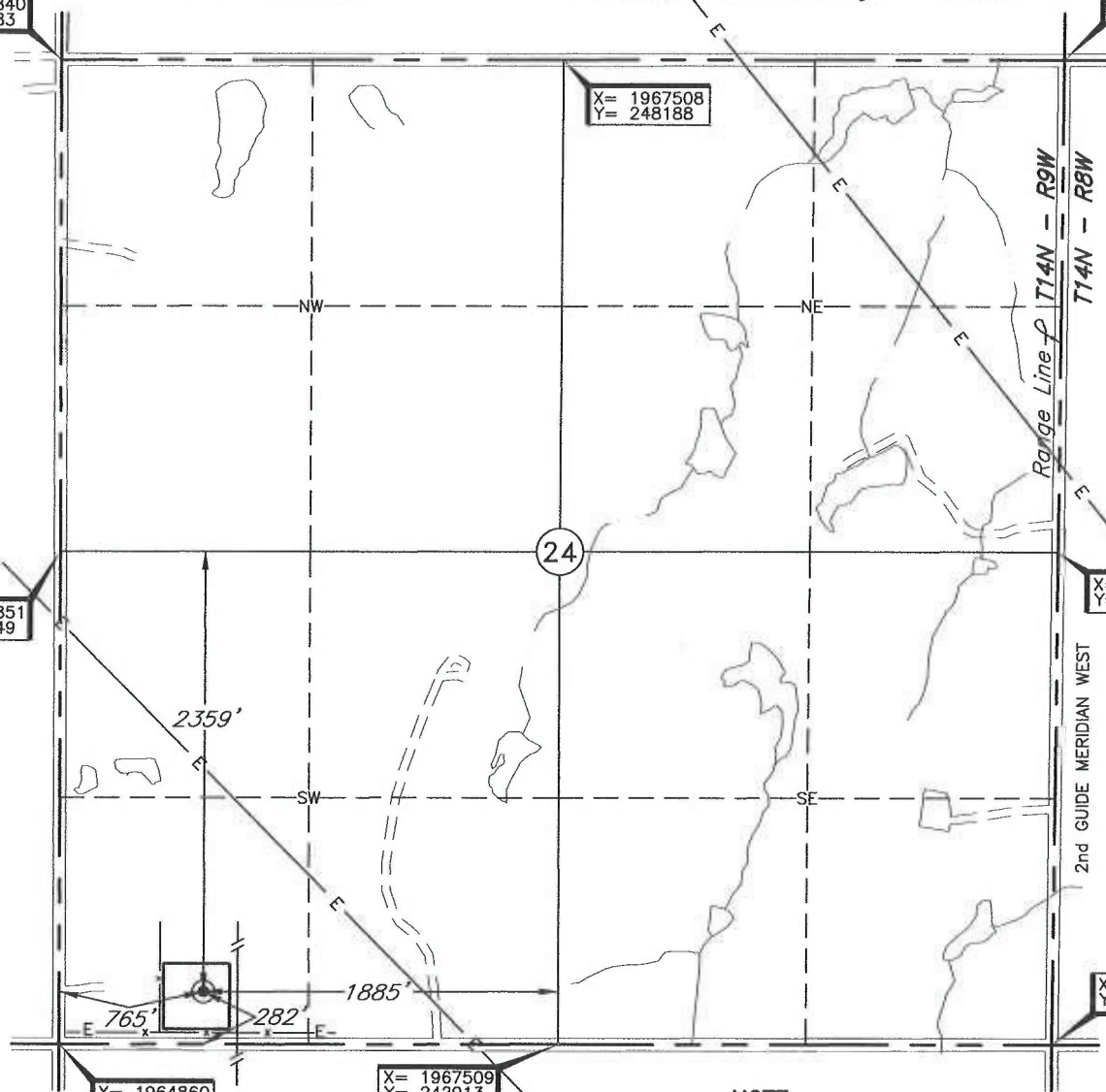
X= 1970139
Y= 242918

X= 1967509
Y= 242913

X= 1964860
Y= 242907



GRID
NAD-27
OK NORTH
US Feet
Scale:
1" = 1000'



NOTE:

The information shown herein is for construction purposes ONLY.

Operator: MARATHON OIL COMPANY

Lease Name: JANICE

Well No.: 1-24H

ELEVATION:

1434' Gr. at Stake

Topography & Vegetation Loc. fell in grass pasture, ±200' West of pipeline; ±351' East of N-S fence; ±251' North of powerline and fence.

Good Drill Site? Yes Reference Stakes or Alternate Location Stakes Set None

Best Accessibility to Location From South off county road

Distance & Direction from Hwy Jct or Town From Calumet, OK, go ±4.6 mi. North to the SW Cor. of Sec

24-T14N-R9W

Date of Drawing: Jul. 27, 2016

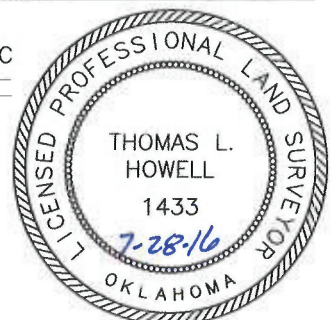
Invoice # 263036 Date Staked: Jul. 25, 2016

AC

CERTIFICATE:

I, Thomas L. Howell a 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



DATUM: NAD-27
LAT: 35°40'04.9"N
LONG: 98°06'56.6"W
LAT: 35.668031405° N
LONG: 98.115727519° W
STATE PLANE
COORDINATES: (US Feet)
ZONE: OK NORTH
X: 1965624
Y: 243190

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