

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

API NUMBER: 137 27245

Approval Date: 06/20/2014
Expiration Date: 12/20/2014

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 24 Twp: 1N Rge: 6W

County: STEPHENS

SPOT LOCATION: NW SE SE SE

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 350 335

Lease Name: STRAIN

Well No: 1-24H

Well will be 335 feet from nearest unit or lease boundary.

Operator Name: MARATHON OIL COMPANY

Telephone: 7136296600; 4057205

OTC/OCC Number: 1363 0

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

LYNDEL D. STRAIN
RT. 4, BOX 203
DUNCAN OK 73533

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	12482	6	
2	WOODFORD	13106	7	
3	HUNTON	13756	8	
4			9	
5			10	

Spacing Orders: 626146
102615

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201402193

Special Orders:

Total Depth: 18063

Ground Elevation: 1100

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 380

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: 5000 Average: 3000

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: PURCELL

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

PERMIT NO: 14-26929

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: PURCELL

HORIZONTAL HOLE 1

Sec 24 Twp 1N Rge 6W County STEPHENS

Spot Location of End Point: N2 NW NE NE

Feet From: NORTH 1/4 Section Line: 50

Feet From: EAST 1/4 Section Line: 990

Depth of Deviation: 12090

Radius of Turn: 702

Direction: 355

Total Length: 4870

Measured Total Depth: 18063

True Vertical Depth: 13756

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

Notes:

Category

Description

DEEP SURFACE CASING

5/27/2014 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY FOR ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON CONDUCTOR OR SURFACE CASING

MEMO

5/27/2014 - G71 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 2 - OBM TO VENDOR, OBM CUTTINGS PER DISTRICT

PENDING CD - 201402193

6/19/2014 - G75 - (I.O.) 24-1N-6W
X626146 MSSP, WDFD
X102615 HNTN
COMPL. INT. NCT 150 FSL, NCT 150 FNL, NCT 330 FEL
NO OP. NAMED
REC 5-6-2014 (M. PORTER)

SPACING - 102615

6/19/2014 - G75 - (640) 24-1N-6W
EST SCMR (VAC BY 626146), HNTN, OTHERS

SPACING - 626146

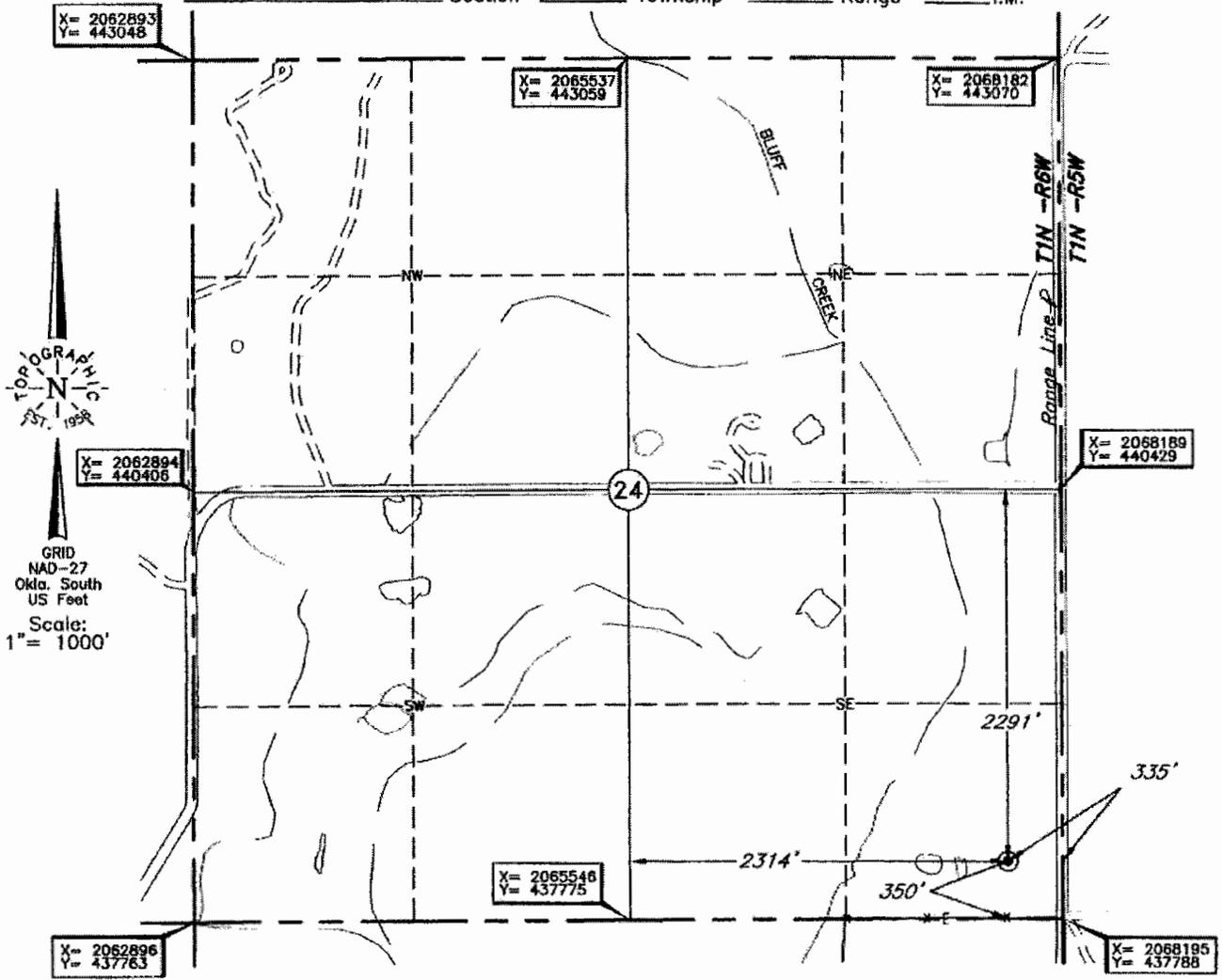
6/19/2014 - G75 - (640) 24-1N-6W
VAC 102615 SCMR
EXT OTHER
EST MSSP, WDFD

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 *API 137-27245*
 6709 NORTH CLASSEN BLVD., OKLA. CITY, OKLA. 73116 * LOCAL (405) 843-4847 * OUT OF STATE (800) 654-3219
 Certificate of Authorization No. 1293

STEPHENS County, Oklahoma

350'FSL-335'FEL Section 24 Township 1N Range 6W I.M.



Operator: MARATHON OIL CO. OKLAHOMA CITY OPERATIONS
 Lease Name: STRAIN Well No.: 1-24H **ELEVATION:** 1100' Gr. at Stake
 Topography & Vegetation Loc. fell in pasture, ±220' East of pond, ±342' North of E-W Fence and Powerline.
 Good Drill Site? Yes Reference Stakes or Alternate Location Stakes Set None
 Best Accessibility to Location From county road East of location.
 Distance & Direction From Jct. of U.S. Hwy. 81 N-S and St. Hwy. 7A East in Duncan, Oklahoma, go ±2.2 mi. North on U.S. Hwy. 81, then ±10.0 mi. East, then ±0.5 mi. North, then ±1.0 mi. East to the E/4 of Section 24, T1N-R6W.

This information was gathered with a GPS receiver with ±1 foot horiz./vert. accuracy
 DATUM: NAD-27
 LAT: 34°32'13.5"N
 LONG: 97°46'28.8"W
 LAT: 34.537093196° N
 LONG: 97.774676665° W
 STATE PLANE COORDINATES: (US Feet)
 ZONE: OK SOUTH
 X: 2067859
 Y: 438136

Date of Drawing: Mar. 7, 2014
 Invoice # 217282 Date Staked: Mar. 6, 2014 AD

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

