

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

API NUMBER: 051 23661

Approval Date: 01/09/2013
Expiration Date: 07/09/2013

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 31 Twp: 3N Rge: 5W

County: GRADY

SPOT LOCATION: SW SE SE SE

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 250 490

Lease Name: HARRISON

Well No: 1-31H

Well will be 250 feet from nearest unit or lease boundary.

Operator Name: MARATHON OIL COMPANY

Telephone: 7132961948; 4057205

OTC/OCC Number: 1363 0

MARATHON OIL COMPANY
P.O. Box 3128
HOUSTON, TX 77253-3128

ROBERT G. HARRISON
P.O. BOX 818
ST PAUL VA 24283

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

Name	Depth	Name	Depth
1 SYCAMORE	15991	6	
2 WOODFORD	16256	7	
3 HUNTON	16556	8	
4		9	
5		10	

Spacing Orders: 403058

Location Exception Orders: 606278

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 21226

Ground Elevation: 1280

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 580

Under Federal Jurisdiction: Yes

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

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

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

PERMIT NO: 13-22323

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 31 Twp 3N Rge 5W County GRADY

Spot Location of End Point: N2 N2 N2 NE

Feet From: NORTH 1/4 Section Line: 150

Feet From: EAST 1/4 Section Line: 1320

Depth of Deviation: 16011

Radius of Turn: 589

Direction: 348

Total Length: 4626

Measured Total Depth: 21226

True Vertical Depth: 16556

End Point Location from Lease,
Unit, or Property Line: 150

Additional Surface Owner	Address	City, State, Zip
REBECCA SIMMS LIVING TRUST	P.O. BOX 860	FARMERSVILLE, TX 75442
DANIEL HARRISON & MARY HARRIS	4659 COUNTY ROAD 2940	RUSH SPRINGS, OK 73082
BERYL U. PORTER LIVING TRUST	15805 BRENNER PASS	EDMOND, OK 73103
ELIZABETH EICHMAN, AKA SUSIE H.	105 CHERRY STREET	RAVENNA, TX 75476

Notes:

Category

Description

DEEP SURFACE CASING

1/8/2013 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY FOR ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON CONDUCTOR OR SURFACE CASING

LOCATION EXCEPTION - 606278

1/9/2013 - G75 - (E.O.) 31-3N-5W
X403058 SCMR, WDFD, HNTN
FIRST PERF NCT 150 FSL, NCT 330 FEL
LAST PERF NCT 150 FNL, NCT 330 FEL
BHL NCT 50 FNL, NCT 330 FEL
MARATHON OIL CO.
1-7-2013

MEMO

1/9/2013 - G75 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 2 - OBM TO VENDOR, OBM CUTTINGS PER DISTRICT

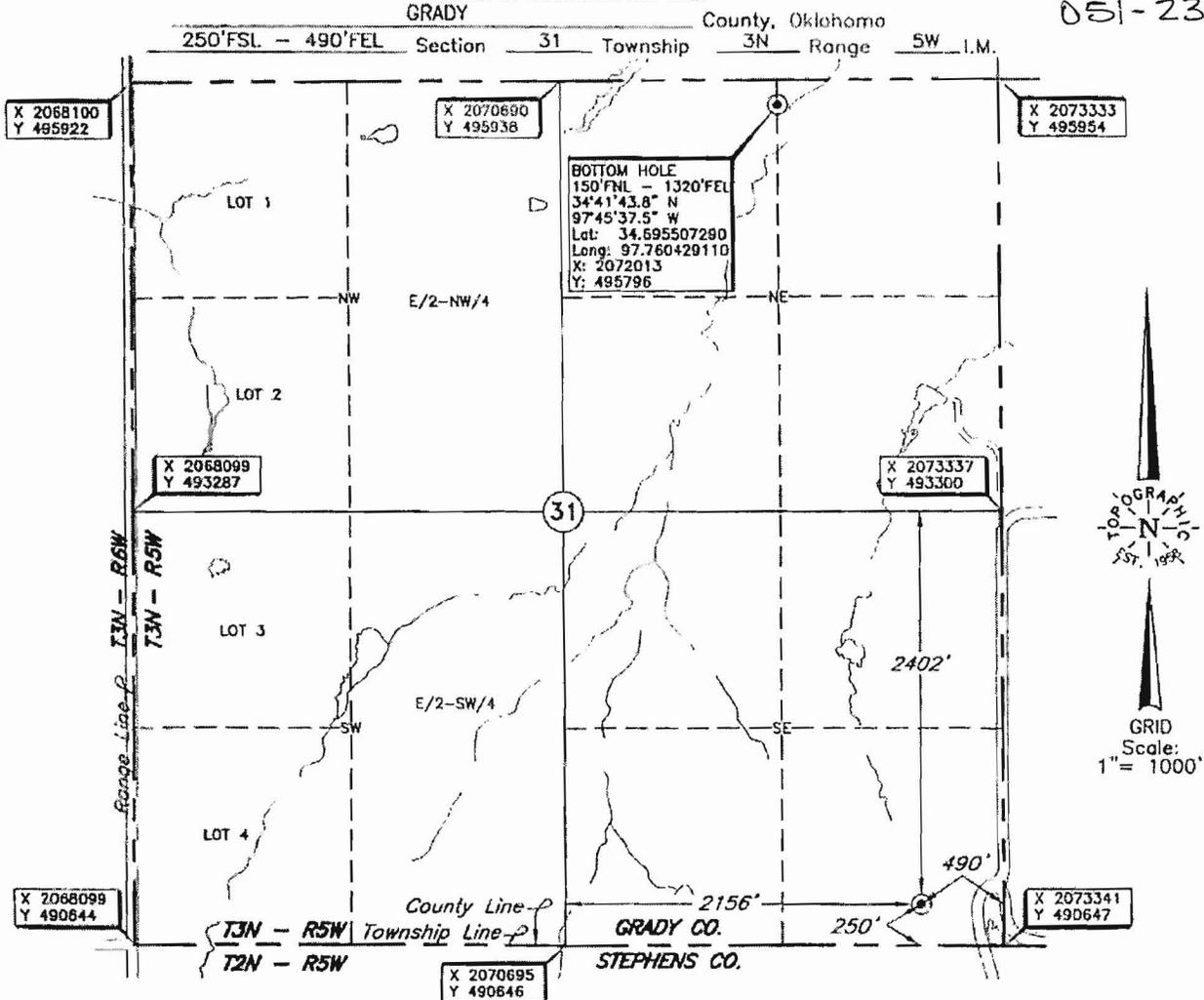
SPACING - 403058

1/9/2013 - G75 - (640) 31-3N-5W
EXT 389415/392187 SCMR, WDFD, HNTN
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.

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

API
 051-23661



Distances shown in (parenthesis) are calculated based upon the Quarter Section being 2640 feet, those shown in [brackets] are based on GLO (General Land Office) distances and have NOT been measured on the ground.

BOTTOM HOLE, LANDING POINT, AND DRILL PATH INFORMATION PROVIDED BY OPERATOR LISTED, NOT SURVEYED; DISTANCE BETWEEN DRILL PATHS ARE CALCULATED AND CORNER COORDINATES ARE TAKEN FROM POINTS IN THE FIELD.

Operator: MARATHON OIL CO. OKLAHOMA CITY OPERATIONS
 Lease Name: HARRISON

Well No.: 1-31H
ELEVATION:
1280' Gr. at Stake

Topography & Vegetation Loc. fell in pasture

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

Best Accessibility to Location From East off county road

Distance & Direction From Cox City, Oklahoma, go ± 1.5 miles West on county road 1580, then ± 3 miles South to the Southeast Corner of Section 31, T3N - R5W.

SCANNED

This information was gathered with a GPS receiver with Sub-meter accuracy.

DATUM: NAD-27
 LAT: 34°40'55.3"N
 LONG: 97°45'27.7"W
 LAT: 34.682037949° N
 LONG: 97.757680927° W
 STATE PLANE COORDINATES (US Feet):
 ZONE: OK SOUTH
 X: 2072851
 Y: 490896

Invoice # 192847 Date of Drawing: Nov. 15, 2012
 Date Staked: Nov. 14, 2012 NMB

CERTIFICATE:
 I, Thomas L. Howell a Licensed Land Surveyor and an authorized agent of Topographic Land Surveyors, do hereby certify that the above described well location was surveyed and staked on the ground as shown herein.

Thomas L. Howell
 Oklahoma Reg. No. 1433

