

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

API NUMBER: 049 25281 A

Approval Date: 03/18/2019
Expiration Date: 09/18/2020

Horizontal Hole Oil & Gas
Multi Unit

Amend reason: OCC CORRECTION - CHANGE SHL; UPDATE
ORDERS

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 17 Twp: 3N Rge: 4W County: GARVIN
SPOT LOCATION: ☐ NW ☐ NW ☐ NW ☐ NW
FEET FROM QUARTER: FROM NORTH FROM WEST
SECTION LINES: 215 305

Lease Name: BOWSER 0304 Well No: 3-8-5SXH Well will be 215 feet from nearest unit or lease boundary.
Operator Name: MARATHON OIL COMPANY Telephone: 4057285228 OTC/OCC Number: 1363 0

MARATHON OIL COMPANY
PO BOX 68
HOUSTON, TX 77001-0068

LILLIE DAVIS
PO BOX 674
LINDSAY OK 73052

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

Name	Depth	Name	Depth
1 SPRINGER	12900	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 671679 Location Exception Orders: 701958 Increased Density Orders: 697633
671680 698222
702097

Pending CD Numbers:

Special Orders:

Total Depth: 20700 Ground Elevation: 1176 Surface Casing: 1500 Depth to base of Treatable Water-Bearing FM: 330

Deep surface casing has been approved

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

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: DUNCAN

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 19-36209
H. SEE MEMO

This permit does not address the right of entry or settlement of surface damages.
The duration of this permit is 18 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: DUNCAN

HORIZONTAL HOLE 1

Sec 05 Twp 3N Rge 4W County GARVIN

Spot Location of End Point: NE NE NW SW

Feet From: SOUTH 1/4 Section Line: 2590

Feet From: WEST 1/4 Section Line: 1170

Depth of Deviation: 12438

Radius of Turn: 803

Direction: 5

Total Length: 7000

Measured Total Depth: 20700

True Vertical Depth: 13178

End Point Location from Lease,
Unit, or Property Line: 215

Notes:

Category

Description

DEEP SURFACE CASING

2/4/2019 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING

HYDRAULIC FRACTURING

2/4/2019 - G71 - OCC 165:10-3-10 REQUIRES:

1) PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS FOR HORIZONTAL WELLS, NOTICE GIVEN FIVE BUSINESS DAYS IN ADVANCE TO OFFSET OPERATORS WITH WELLS COMPLETED IN THE SAME COMMON SOURCE OF SUPPLY WITHIN 1/2 MILE;

2) WITH NOTICE ALSO GIVEN 48 HOURS IN ADVANCE OF HYDRAULIC FRACTURING ALL WELLS TO BOTH THE OCC CENTRAL OFFICE AND LOCAL DISTRICT OFFICES, USING THE "FRAC NOTICE FORM" FOUND AT THE FOLLOWING LINK: OCCEWEB.COM/OG/OGFORMS.HTML; AND,

3) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS TO BE REPORTED TO FRACFOCUS WITHIN 60 DAYS AFTER THE CONCLUSION THE HYDRAULIC FRACTURING OPERATIONS, USING THE FOLLOWING LINK: FRACFOCUS.ORG

INCREASED DENSITY - 697633 (201900588)

12/9/2019 - GB1 - 5-3N-4W
X671679 SPRG
3 WELLS
NO OP. NAMED
7/12/2019

INCREASED DENSITY - 698222 (201900589)

12/9/2019 - GB1 - 8-3N-4W
X671680 SPRG
3 WELLS
NO OP. NAMED
7/24/2019

This permit does not address the right of entry or settlement of surface damages.

The duration of this permit is 18 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.

049 25281 BOWSER 0304 3-8-5SXH

LOCATION EXCEPTION - 701958 (201900596)	12/9/2019 - GB1 - (I.O.) 5 & 8-3N-4W X671679 SPRG 5-3N-4W X671680 SPRG 8-3N-4W COMPL. INT. (8-3N-4W) NCT 150' FSL, NCT 0' FNL, NCT 330' FEL, NCT 330' FWL COMPL. INT. (5-3N-4W) NCT 0' FSL, NCT 1320' FNL, NCT 330' FEL, NCT 330' FWL NO OP. NAMED 9/10/2019
MEMO	2/4/2019 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
SPACING - 671679	3/13/2019 - GB1 - (640)(HOR) 5-3N-4W EXT 658538/659832/663306 SPRG, OTHERS COMPL. INT. NLT 660' FB
SPACING - 671680	3/13/2019 - GB1 - (640)(HOR) 8-3N-4W EXT 658538/659832/663306 SPRG, OTHERS COMPL. INT. NLT 660' FB
SPACING - 702097 (201900594)	12/9/2019 - GB1 - (I.O.) 5 & 8-3N-4W EST MULTIUNIT HORIZONTAL WELL X671679 SPRG 5-3N-4W X671680 SPRG 8-3N-4W 33% 5-3N-4W 67% 8-3N-4W NO OP. NAMED 9/12/2019