

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

API NUMBER: 047 25140

Approval Date: 04/17/2018

Expiration Date: 10/17/2018

Horizontal Hole

Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 19 Twp: 20N Rge: 7W

County: GARFIELD

SPOT LOCATION: ☐ SE ☐ SW ☐ SE ☐ SE

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 161 701

Lease Name: MR PADRE 2007

Well No: 19-1LOH

Well will be 161 feet from nearest unit or lease boundary.

Operator Name: GASTAR EXPLORATION INC

Telephone: 7137391800

OTC/OCC Number: 23199 0

GASTAR EXPLORATION INC
1331 LAMAR STE 650
HOUSTON, TX 77010-3131

OTT FAMILY TRUST
C/O MAX WAYNE OTT TRUSTEE
1340 BANSBACH ROAD
DES PERES MO 63131

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	6904	6	
2	WOODFORD	7718	7	
3			8	
4			9	
5			10	

Spacing Orders: 640472

Location Exception Orders: 673902

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 12485

Ground Elevation: 1147

Surface Casing: 590

Depth to base of Treatable Water-Bearing FM: 350

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: BISON

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

PERMIT NO: 18-34277

H. CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST

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.

HORIZONTAL HOLE 1

Sec 19 Twp 20N Rge 7W County GARFIELD

Spot Location of End Point: NE NW NE NE

Feet From: NORTH 1/4 Section Line: 150

Feet From: EAST 1/4 Section Line: 700

Depth of Deviation: 6587

Radius of Turn: 573

Direction: 359

Total Length: 4997

Measured Total Depth: 12485

True Vertical Depth: 7718

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

Notes:

Category

Description

HYDRAULIC FRACTURING

4/9/2018 - 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

LOCATION EXCEPTION - 673902

4/16/2018 - G57 - (I.O.) 19-20N-7W
X640472 MSSP, WDFD
SHL NCT 0' FNL & FSL, NCT 0' FEL & FWL
COMPL. INT. NCT 150' FSL & FNL, NCT 660' FEL, NCT 330' FWL
GASTAR EXPLORATION INC.
2-23-2018

SPACING - 640472

4/16/2018 - G57 - (640)(HOR) 19-20N-7W
EXT 627271 MSSP, WDFD
POE TO BHL (MSSP) NCT 660' FB
POE TO BHL (WDFD) NCT 165' FNL & FSL, NCT 330' FEL & FWL
(COEXIST WITH SP. ORDER #62770 MSSLM, SP. ORDER #65632 MNNG)

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.

047 25140 MR PADRE 2007 19-1LOH

SECTION 19, T 20 N - R 07 W, I.M.,
GARFIELD COUNTY, OKLAHOMA

BEARINGS ARE GRID
OKLAHOMA SPC, NAD 27, NORTH ZONE

X: 2003673.9
Y: 438014.0

X: 2006315.8
Y: 438043.6

X: 2000911.0
Y: 437981.0

BOTTOM HOLE
150' FNL - 700' FEL

X: 2000912.2
Y: 435350.8

(X: 2006307.7)
(Y: 435334.6)

DATUM: NAD 27
LAT.: N36°11'21"
LONG.: W97°58'52"
LAT.: N36.189266
LONG.: W97.981026
SPC (US FEET): OK-N
X: 2005599
Y: 432904

X: 2000915.2
Y: 432712.6

X: 2003570.0
Y: 432729.0

LANDING POINT
150' FSL - 700' FSL

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X: 2006300.0
Y: 432747.1

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Operator: GASTAR EXPLORATION INC.

Date Staked: 03/30/18

Lease Name: MR. PADRE

Well No.: 2007 19-1 LOH Elevation: 1147'


Topography and Vegetation: PASTURE

Good Drill Site? YES

Reference or Alt. Location Stakes Set: NONE

Best Accessibility to Location: FROM COUNTY ROAD

Distance and Direction from Hwy. Jct. or town: FROM BISON TURN SOUTH ON US HWY. 81 0.5 MILE, TURN WEST ON W. BISON RD. FOR 5.25 MILES. TURN NORTH INTO LOCATION.

 4-3-2018
FRED ANTHONY SELESKY DATE
OKLAHOMA L.P.S. NO.: 1860

NOTE:

This is a plat of a proposed well location and does not represent a true boundary survey. The information shown hereon shall not be relied upon for the location or establishment of land boundary lines. All of the positions shown hereon have not been verified as being actual Section, Quarter or Property corners. Positions shown in (Parentheses) are based upon local occupation and improvements or calculated per proportional measurement and/or G.L.O. record distances. Review this plat and notify Gateway Services Group, LLC immediately of any possible discrepancy.

LEGEND

SURFACE LOCATION ★
EXISTING WELL ○ BOTTOM HOLE/LANDING POINT ●
PROPOSED DRILL PATH ————
EXISTING PIPELINE -/-/-/-/-/-/-/-/-/-/
ELECTRIC LINE -c--c--c--c--c--c--c--c--c--
OVERHEAD POWER --o--o--o--o--o--o--o--o--o--
FENCE -x-x-x-x-x-x-x-x-x-x-



Gateway

Gateway Services Group, LLC

PO. BOX 960
MEEKER, OK 74855
OFF. (405) 273-0954
FAX (405) 273-0580
C.A. NO. 4091 (LS)
EXP. DATE 6-30-2018

EXHIBIT "A" PRELIMINARY

GASTAR EXPLORATION INC.
MR. PADRE 2007 19-1LOH
161' FSL - 701' FEL
SECTION 19, T 20 N - R 07 W, I.M.,
GARFIELD COUNTY, OKLAHOMA

[illegible]