

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

API NUMBER: 073 26548

Approval Date: 04/23/2019

Expiration Date: 10/23/2020

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 10 Twp: 18N Rge: 8W

County: KINGFISHER

SPOT LOCATION:

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 147 2272

Lease Name: DARREL 1808

Well No: 10-1MH

Well will be 147 feet from nearest unit or lease boundary.

Operator Name: GASTAR EXPLORATION LLC

Telephone: 7137391800

OTC/OCC Number: 23199 0

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

JOYCE M UNRUH REVOCABLE TRUST
6884 S. MITCHELL ROAD
HENNESSEY OK 73742

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

	Name	Depth	Name	Depth
1	MISSISSIPPI LIME	7729	6	
2	WOODFORD	8229	7	
3			8	
4			9	
5			10	

Spacing Orders: 624024

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201901681

Special Orders:

Total Depth: 12791

Ground Elevation: 1079

Surface Casing: 470

Depth to base of Treatable Water-Bearing FM: 230

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 AP/TE DEPOSIT

Pit Location Formation: TERRACE

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

PERMIT NO: 19-36492

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 10 Twp 18N Rge 8W County KINGFISHER

Spot Location of End Point: N2 N2 NE NW

Feet From: NORTH 1/4 Section Line: 150

Feet From: WEST 1/4 Section Line: 1980

Depth of Deviation: 7106

Radius of Turn: 461

Direction: 358

Total Length: 4960

Measured Total Depth: 12791

True Vertical Depth: 8229

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

Notes:

Category

Description

HYDRAULIC FRACTURING

4/18/2019 - 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: OCCWEB.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

PENDING CD - 201901681

4/23/2019 - G58 - (I.O.) 10-18N-8W
X624024 MSSLM, WDFD
COMPL. INT. NCT 150' FSL, NCT 150' FNL, 660' FWL
NO OP. NAMED
REC 4/2/2019 (MILLER)

SPACING - 624024

4/22/2019 - G58 - (640)(HOR) 10-18N-8W
EST MSSLM, WDFD, OTHER
POE TO BHL (MSSLM) NCT 660' FB
POE TO BHL (WDFD) NCT 165' FNL & FSL, NCT 330' FEL & FWL
(SUPERSEDE 88230/194129 MSSLM; SUPERSEDE 93365/167248 MSSLM;)

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

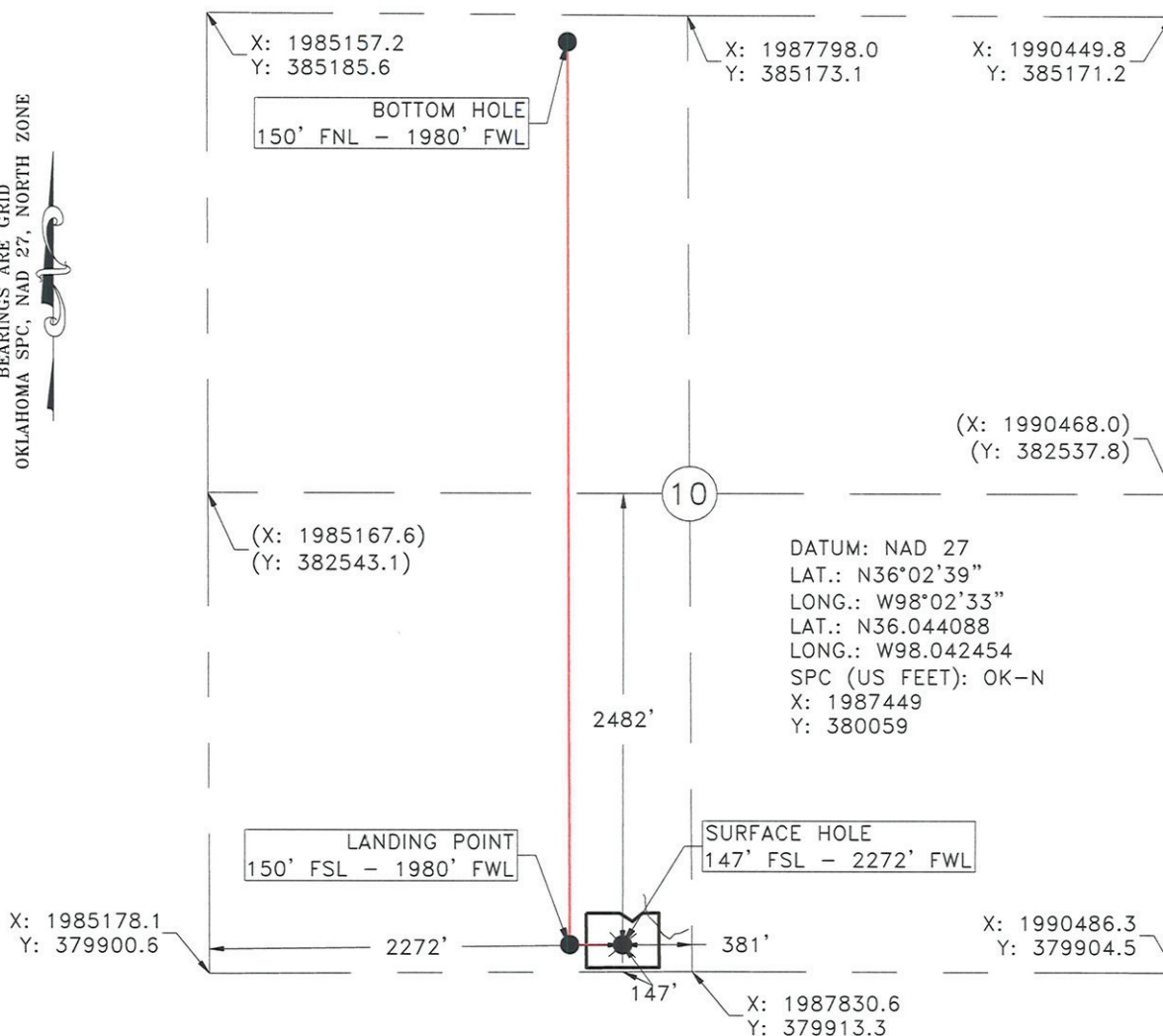
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073 26548 DARREL 1808 10-1MH

SECTION 10, T 18 N - R 08 W, I.M., KINGFISHER COUNTY, OKLAHOMA

BEARINGS ARE GRID
OKLAHOMA SPC, NAD 27, NORTH ZONE



Operator: GASTAR EXPLORATION LLC Date Staked: 3/24/2019
 Lease Name: DARREL 1808 Well No.: 10-1MH Elevation: 1079.3
 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 HWY 51 IN HENNESSEY, HEAD WEST 7.5 MILES, TURN SOUTH ON CO. RD. N2750 FOR 5.0 MILES, TURN WEST ON CO. RD. E0670 FOR .5 MILES, TURN NORTHWEST ON ACCESS ROAD FOR 0.04 MILES TO WELL LOCATION.

LEGEND
 SURFACE LOCATION
 EXISTING WELL BOTTOM HOLE/LANDING POINT
 PROPOSED DRILL PATH
 EXISTING PIPELINE
 ELECTRIC LINE
 OVERHEAD POWER
 FENCE

FRED ANTHONY SELESKY
 OKLAHOMA L.P.L.S. NO.: 1860

DATE
3-27-2019



Gateway
 Gateway Services Group, LLC

P.O. BOX 960
 MEEKER, OK 74855
 OFF. (405) 273-0954
 FAX (405) 273-0580
 C.A. NO. 4091 (LS)
 EXP. DATE 6-30-2020

NOTE:

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

EXHIBIT "A" PRELIMINARY

GASTAR EXPLORATION LLC
 DARREL 1808 10-1MH
 147' FSL - 2272' FWL
 SECTION 10, T 18 N - R 08 W, I.M.,
 KINGFISHER COUNTY, OKLAHOMA

DRAWN BY: TRS		DATE: 3/26/2019	CHK'D: CLC
GATEWAY NO.: 19-0099-003		SCALE: 1"=1000	
PAD#:		WELL#:	
REV.	DWN.	DESCRIPTION	DATE