

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

API NUMBER: 073 25733

Approval Date: 07/31/2017
Expiration Date: 01/31/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 26 Twp: 18N Rge: 8W County: KINGFISHER
SPOT LOCATION: NW SE SW SE FEET FROM QUARTER: FROM SOUTH FROM EAST
SECTION LINES: 383 1772

Lease Name: BARNEY 1808 Well No: 35-1MH Well will be 383 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

JAN AND DUSTY BIEHLER
5130 EAST 700 ROAD
LOYAL OK 73756

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN (EX CHESTER)	7827	6	
2	WOODFORD	8347	7	
3			8	
4			9	
5			10	

Spacing Orders: 663007

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201704050

Special Orders:

Total Depth: 13572

Ground Elevation: 1075

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: 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: BISON

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

PERMIT NO: 17-32971

H. CLOSED SYSTEM=STEEL PITS REQUIRED

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 35 Twp 18N Rge 8W County KINGFISHER

Spot Location of End Point: SE SW SW SE

Feet From: SOUTH 1/4 Section Line: 165

Feet From: EAST 1/4 Section Line: 2200

Depth of Deviation: 7344

Radius of Turn: 817

Direction: 183

Total Length: 4945

Measured Total Depth: 13572

True Vertical Depth: 8347

End Point Location from Lease,
Unit, or Property Line: 165

Notes:

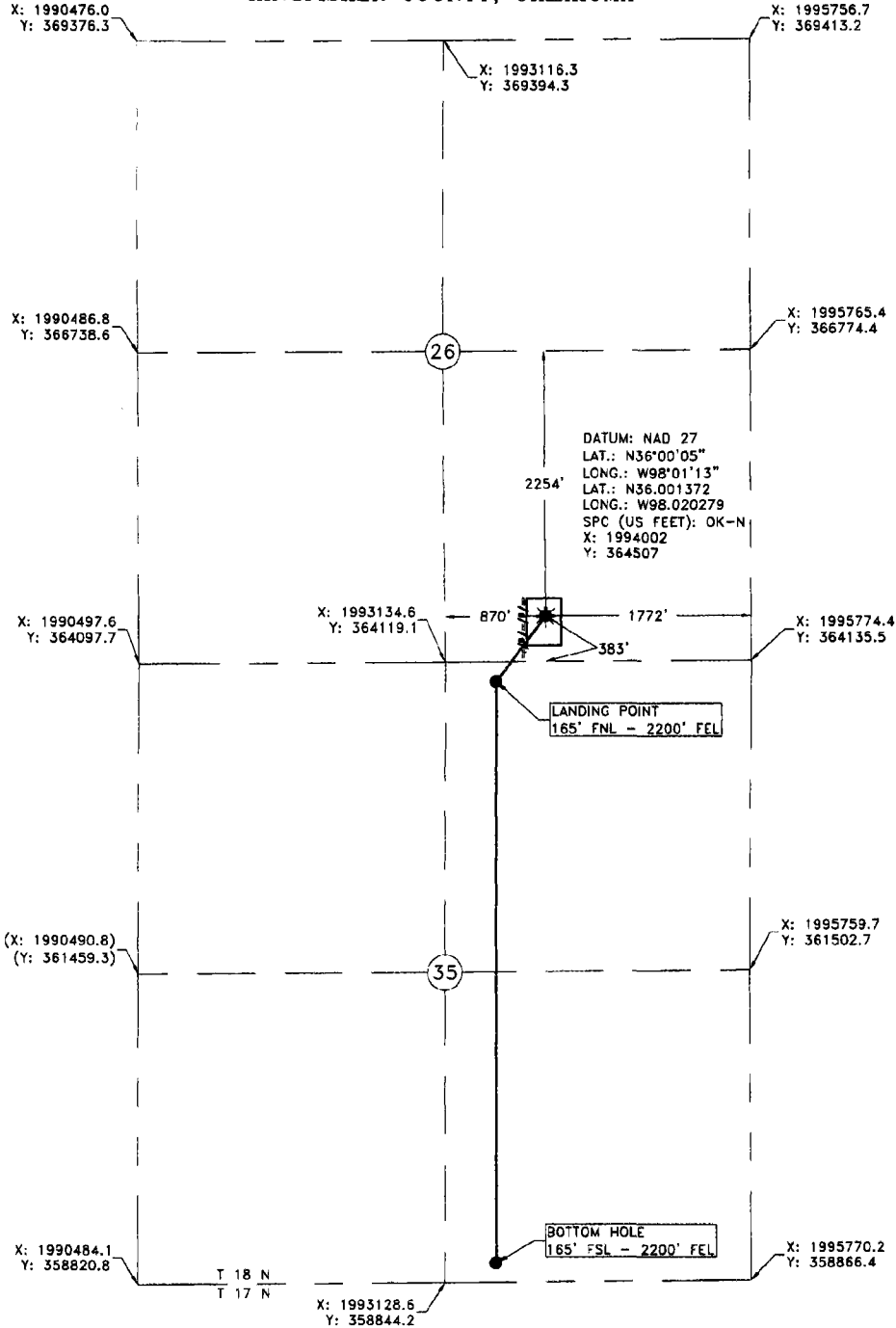
Category	Description
HYDRAULIC FRACTURING	<p>7/28/2017 - G58 - OCC 165:10-3-10 REQUIRES:</p> <p>1) PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS FOR HORIZONTAL WELLS, NOTICE GIVEN FIVE BUSINESS DAYS IN ADVANCE TO OFFSET OPERATORS WITH WELLS COMPLETED IN THE SAME COMMON SOURCE OF SUPPLY WITHIN 1/2 MILE;</p> <p>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: HTTP://WWW.OCCWEB.COM/OG/OGFORMS.HTML; AND,</p> <p>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 HTTP://FRACFOCUS.ORG/</p>
PENDING CD - 201704050	<p>7/31/2017 - G64 - (I.O.) 35-18N-8W X663007 MSNLC, WDFD COMPL. INT. NCT 150' FNL, NCT 150' FSL, NCT 660' FEL, NCT 660' FWL NO OP. NAMED REC. 7-25-2017 (NORRIS)</p>
SPACING - 663007	<p>7/31/2017 - G64 - (640)(HOR) 35-18N-8W EXT 644726 MSNLC, WDFD EST OTHER COMPL. INT. (MSNLC) NCT 660' FB COMPL. INT. (WDFD) NCT 165' FNL & FSL, NCT 330' FEL & FWL (COEXIST SP. ORDER 79654 MSSLM, OTHER & ORDER 139563 MSSLM, OTHER)</p>

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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.

API: 073 25733

SECTIONS 26 & 35, T 18 N - R 8 W, I.M.,
KINGFISHER COUNTY, OKLAHOMA

BEARINGS ARE GRID
OKLAHOMA SFC. NAD 27, NORTH ZONE



Operator: GASTAR EXPLORATION, INC Date Staked: 07/25/17
Lease Name: BARNEY 1808 35 Well No.: 1MH Elevation: 1075'
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 LOYAL HEAD EAST ON CO. RD. E0720 FOR 6 MILES,
TURN NORTH ON CO. RD. N2800 FOR 2 MILES, TURN WEST ON CO. RD. E0700 FOR 3 MILES, TURN NORTH INTO LOCATION.

LEGEND

- SURFACE LOCATION *
- EXISTING WELL ○ BOTTOM HOLE/LANDMARK POINT □
- PROPOSED DRILL PATH ———
- EXISTING PIPELINE ———
- ELECTRIC LINE - - - - -
- OVERHEAD POWER ———
- FENCE - - - - -

Fred Anthony Selesky
7-26-2017
FRED ANTHONY SELENSKY
OKLAHOMA L.P.L.S. NO. 1860

NOTE:
This is a plot of a proposed well location and does not represent a true boundary survey. The information shown herein 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 plot and notify Gateway Services Group, LLC immediately of any possible discrepancy.



Gateway
Gateway Services Group, LLC
P.O. BOX 990
MUSKOGEE, OK 74455
OFF. (405) 273-0854
FAX (405) 273-0580
C.A. NO. 4091 (15)
EXP. DATE 8-30-2018

EXHIBIT "A" PRELIMINARY
GASTAR EXPLORATION, INC
BARNEY 1808 35-114H
383' FSL - 1772' FEL
SECTIONS 26 & 35, T 18 N - R 8 W, I.M.,
KINGFISHER COUNTY, OKLAHOMA

DATE	BY	CHKD BY
07/25/17	CLC	RLG
17-0565-002		
SCALE:	1" = 100'	
WELL#:	DESCRIPTION:	DATE: