

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

API NUMBER: 073 25605

Approval Date: 04/11/2017
Expiration Date: 10/11/2017

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 06 Twp: 19N Rge: 7W

County: KINGFISHER

SPOT LOCATION: SE SE SE SW

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 154 2488

Lease Name: HAROLD AND DOROTHY 1907

Well No: 6-1H

Well will be 154 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

BROWN CHILDRENS REVOCABLE TRUST
12207 EAST 600 ROAD
HENNESSEY OK 73742

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

	Name	Depth	Name	Depth
1	MISS'AN (EX CHESTER)	7320	6	
2	WOODFORD	7850	7	
3			8	
4			9	
5			10	

Spacing Orders: 661342

Location Exception Orders: 662457

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 12714

Ground Elevation: 1203

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: 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: 17-32401
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 06 Twp 19N Rge 7W County KINGFISHER

Spot Location of End Point: N2 N2 NE NW

Feet From: NORTH 1/4 Section Line: 165

Feet From: WEST 1/4 Section Line: 1980

Depth of Deviation: 6957

Radius of Turn: 573

Direction: 357

Total Length: 4857

Measured Total Depth: 12714

True Vertical Depth: 7850

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

Notes:

Category

Description

HYDRAULIC FRACTURING

4/11/2017 - G71 - OCC 165:10-3-10 REQUIRES: 1) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS BE REPORTED TO FRACFOCUS USING THE FOLLOWING LINK [HTTP://FRACFOCUS.ORG/](http://fracfocus.org/) WITH NOTICE GIVEN 48 HOURS IN ADVANCE OF FRACTURING TO THE LOCAL OCC DISTRICT OFFICE; AND, 2) PRIOR TO COMMENCEMENT OF FRACTURING OPERATIONS FOR HORIZONTAL WELLS, NOTICE ALSO GIVEN FIVE BUSINESS DAYS IN ADVANCE TO OFFSET OPERATORS WITH WELLS COMPLETED IN THE SAME COMMON SOURCE OF SUPPLY WITHIN 1/2 MILE

LOCATION EXCEPTION - 662457

4/11/2017 - G60 - (I.O.) 6-19N-7W
X661342 MSNLC, WDFD
SHL NCT 0' FSL/FNL, NCT 0' FEL/FWL
COMPL. INT. NCT 165 FNL/FSL, NCT 330' FEL/FWL
GASTAR EXPLORATION, INC.
4/4/17

SPACING - 661342

4/11/2017 - G60 - (640)(HOR) 6-19N-7W
EST MSNLC
EXT 625892 WDFD
COMPL. INT. (MSNLC) NCT 660' FB
COMPL. INT. (WDFD) NCT 165' FNL/FSL, NCT 330' FEL/FWL
(COEXIST WITH SP. ORDER 72703 MSSSD)

SECTION 6, T 19 N - R 7 W, I.M.,
KINGFISHER COUNTY, OKLAHOMA

X: 2000933.3
Y: 422173.7

X: 2006251.3
Y: 422162.8

GARFIELD COUNTY T 20 N
KINGFISHER COUNTY T 19 N

X: 2003615.3
Y: 422168.5

BOTTOM HOLE
165' FNL - 1980' FWL

BEARINGS ARE GRID
OKLAHOMA SPC, NAD 27, NORTH ZONE

X: 2000947.6
Y: 419622.9

X: 2006245.7
Y: 419744.7

6

DATUM: NAD 27
LAT.: N36°08'46"
LONG.: W97°59'18"
LAT.: N36.146111
LONG.: W97.988311
SPC (US FEET): OK-N
X: 2003451
Y: 417194

LANDING POINT
165' FSL - 1980' FWL

2486'

2488'

154'

X: 2000964.3
Y: 416986.1

X: 2003603.0
Y: 417044.0

X: 2006238.8
Y: 417090.0

Operator: GASTAR EXPLORATION, INC Date Staked: 03/31/17
Lease Name: HAROLD AND DOROTHY 1907 6 Well No.: 1H Elevation: 1203'
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 HENNESSEY HEAD WEST ON ST. HIGHWAY 51 FOR 4.5 MILES. TURN NORTH ON CO. RD. N2820 FOR 2 MILES. TURN WEST ON CO. RD. E0600 FOR .5 MILES. TURN NORTH INTO LOCATION.

LEGEND

- SURFACE LOCATION *
- EXISTING WELL * BOTTOM HOLE/LANDING POINT ●
- PROPOSED DRILL PATH ———
- EXISTING PIPELINE -PI-PI-PI-PI-PI-PI-
- ELECTRIC LINE -e-e-e-e-e-e-
- OVERHEAD POWER -OP-OP-OP-OP-
- FENCE - - - - -

Gateway
Gateway Services Group, LLC

PO. BOX 960
MEEKER, OK 74855
OFF. (405) 273-0954
FAX (405) 273-0580
C.A. NO. 4081 (LS)
EXP. DATE 6-30-2018

Fred A. Selesky 4-6-2017
FRED ANTHONY SELENSKY DATE
OKLAHOMA L.P.L.S., NO.: 1860

LICENSED PROFESSIONAL LAND SURVEYOR
FRED ANTHONY SELENSKY
4-6-2017
1860
OKLAHOMA

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.

EXHIBIT "A" PRELIMINARY
GASTAR EXPLORATION, INC
HAROLD AND DOROTHY 1907 6-1H
154' FSL - 2488' FWL
SECTION 6, T 19 N - R 7 W, I.M.,
KINGFISHER COUNTY, OKLAHOMA

DRAWN BY: CLC	DATE: 04/03/17	CHK'D: RLG
GATEWAY NO.: 17-0169-002		SCALE: 1"=1000'
PAD#:	WELL#:	
REV. DWN.	DESCRIPTION	DATE



CIMARRON
SURVEYING & MAPPING CO.
C.A. No. 1780 Expires Jan 30, 2020

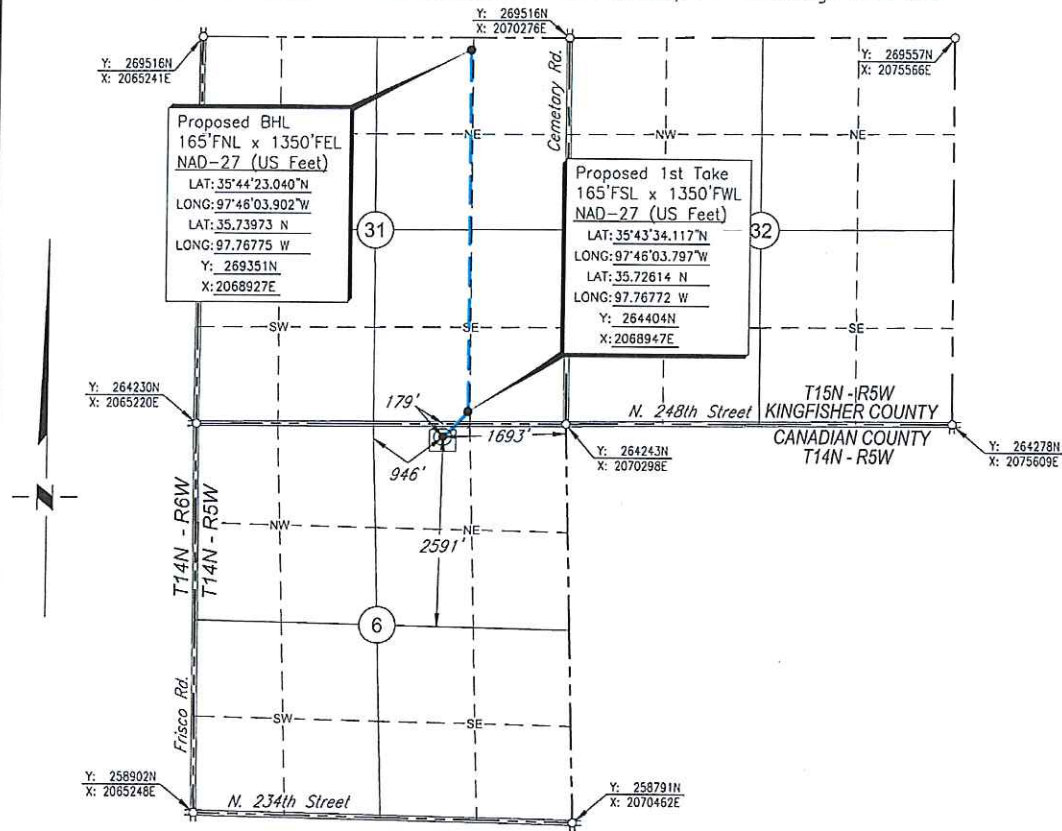
1530 SW 89th STREET, Bldg. C3
OKLAHOMA CITY, OK
(407) 692-7348
CIMSURVEY.COM

API 073-25605

CANADIAN

County, Oklahoma

179'FNL - 1693'FEL Section 6 Township 14N Range 5W I.M.



Scale: 1" = 2000'

Date Staked: November 14, 2019

GPS Observation: Latitude 35°43'30.715" N
Longitude 97°46'07.899" W
Latitude 35.72520 N
Longitude 97.76886 W

State Plane NAD27 Y: 264060N
Oklahoma North Zone: X: 2068610E

Operator: RED BLUFF RESOURCES Elevation: 1167'

Lease Name: KELLIE 1505 Well No.: 7-31MH

Topography & Vegetation: Pasture

Alternate Location Stakes Set: No Good Drill Site? Yes

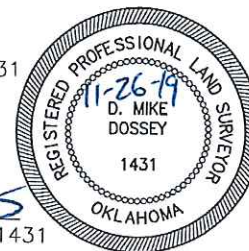
Best Accessibility to Location: From the North Line

Distance & Direction

from Hwy Jct or Town: From the town of Piedmont; Thence North approx. 5¾ miles;
Thence West 1 mile to the NE Corner of Section 6.

SURVEYOR'S CERTIFICATE:

I, D. MIKE DOSSEY, Registered Professional Land Surveyor, No. 1431 do hereby certify that the above described well location was carefully staked on the ground as shown and that all ties and distances shown are from existing lines of occupation.



JOB NO.: 190219B				
DATE: 11/21/19				
DRAWN BY: T.A.W.	NO.	REVISION	DATE	BY

D. Mike Dossey
D. MIKE DOSSEY R.P.L.S. # 1431