

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

API NUMBER: 073 25330 A

Approval Date: 07/05/2016

Expiration Date: 01/05/2017

Horizontal Hole Oil & Gas

Amend reason: REVISED SHL TO 222' FSL & 2475' FEL & UPDATE
ORDER

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 07 Twp: 18N Rge: 7W

County: KINGFISHER

SPOT LOCATION: ☐ SW ☐ SW ☐ SE

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 222 2475

Lease Name: TOMAHAWK

Well No: 7-1H

Well will be 222 feet from nearest unit or lease boundary.

Operator Name: CHISHOLM OIL & GAS OPERATING LLC

Telephone: 9184886400

OTC/OCC Number: 23991 0

CHISHOLM OIL & GAS OPERATING LLC
6100 S YALE AVE STE 1700
TULSA, OK 74136-1921

WALTERSCHEIDT IRREVOCABLE TRUST
1210 COLEMAN TRAIL
KINGFISHER OK 73750

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

Name	Depth	Name	Depth
1 OSWEGO	6639	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 653944

Location Exception Orders: 706098

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 11415

Ground Elevation: 1118

Surface Casing: 500

Depth to base of Treatable Water-Bearing FM: 300

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: 16-31210
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 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.

HORIZONTAL HOLE 1

Sec 07 Twp 18N Rge 7W County KINGFISHER

Spot Location of End Point: NW NW NW NE

Feet From: NORTH 1/4 Section Line: 165

Feet From: WEST 1/4 Section Line: 60

Depth of Deviation: 6140

Radius of Turn: 622

Direction: 359

Total Length: 4298

Measured Total Depth: 11415

True Vertical Depth: 6733

End Point Location from Lease,

Unit, or Property Line: 165

Notes:

Category

Description

HYDRAULIC FRACTURING

7/1/2016 - 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 - 706098
(201600498)

12/12/2016 - GC2 - (I.O.) 7-18N-7W
X653944 OSWG
SHL 222' FSL, 2,475 FEL
FIRST PERF 1,197' FSL, 2,494' FWL
LAST PERF 136' FNL, 2,383' FWL
NO OP. NAMED
12-10-2019

SPACING - 653944

7/1/2016 - G60 - (640)(HOR) 7-18N-7W
EST OSWG, OTHER
POE TO BHL NCT 660' FB
(COEXIST WITH SP. ORDER 49980 OSWG)

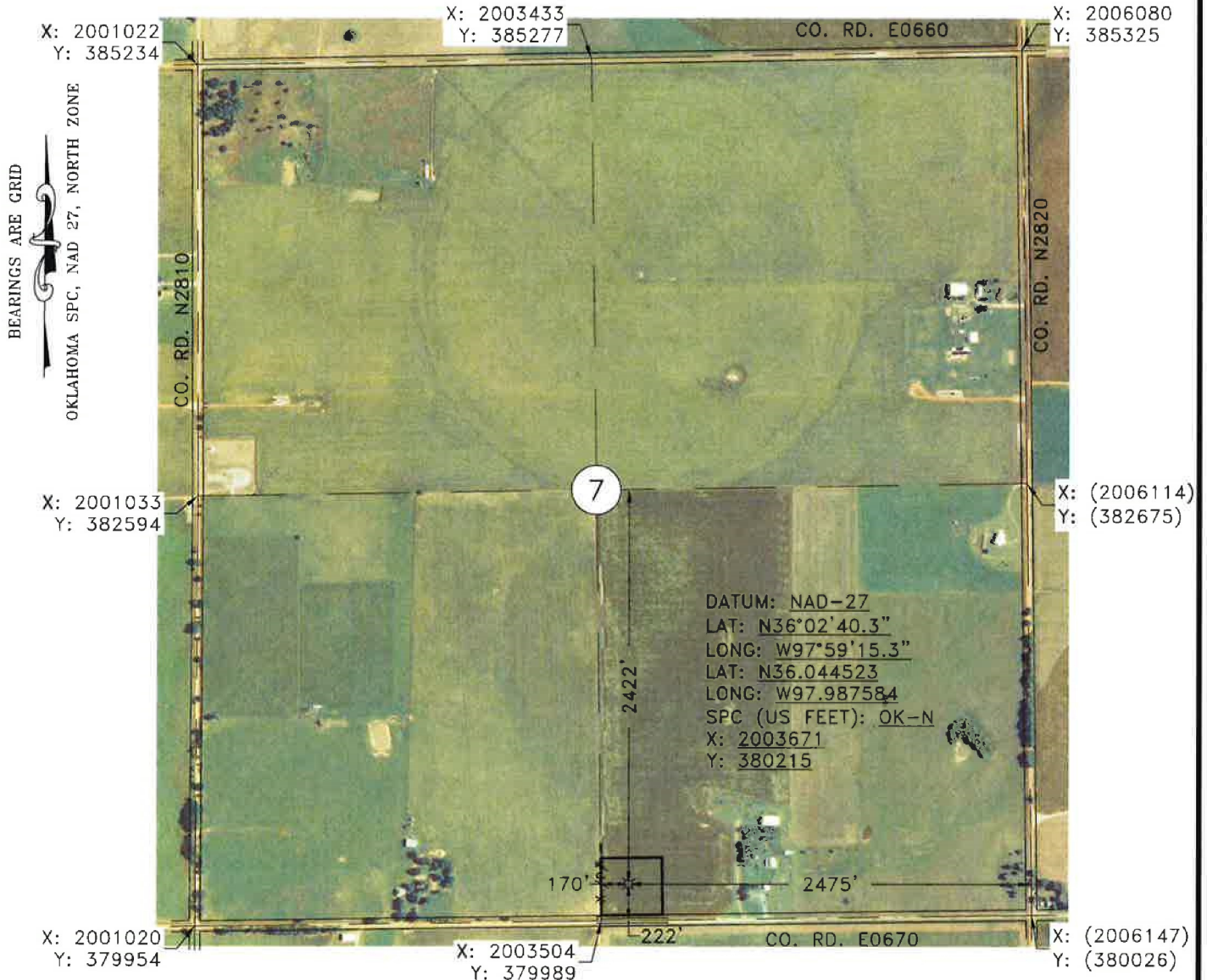
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073 25330 TOMAHAWK 7-1H

SECTION 7, T 18 N - R 07 W, I.M.,
KINGFISHER COUNTY, OKLAHOMA



Operator: GASTAR EXPLORATION, INC Date Staked: 3/16/16
Lease Name: TOMAHAWK 7 Well No.: 1H Elevation: 1121'
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 THE INTERSECTION OF STATE HWY 132 AND 51, HEAD EAST ON STATE HWY 51 3 MILES, THEN SOUTH ON CO. RD. N2820 5 MILES, THEN WEST ON CO. RD. E0670 .5 MILE, TURN NORTH INTO LOCATION

Stan Drannon 7/11/16
STAN DRANNON
OKLAHOMA L.P.L.S. NO.: 1672

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.



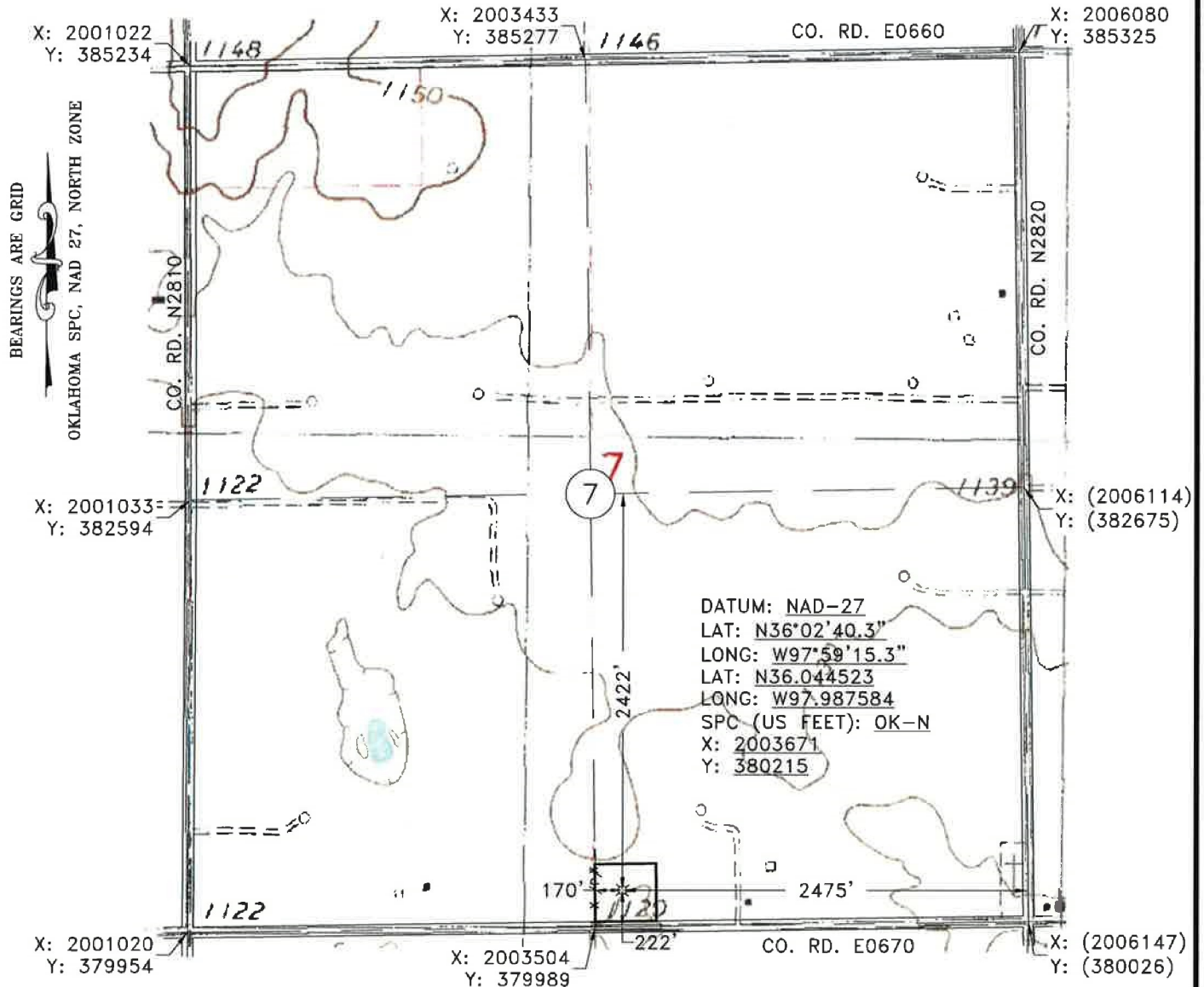
Gateway
Gateway Services Group, LLC
PO. BOX 960
WEEKER, OK 74855
OFF. (405) 273-0954
FAX (405) 273-0580
C.A. NO. 4091 (LS)
EXP. DATE 6-30-2016

EXHIBIT "A" PRELIMINARY

GASTAR EXPLORATION, INC
TOMAHAWK 7-1H
222' FSL - 2475' FEL
SECTION 7, T 18 N - R 07 W, I.M.,
KINGFISHER COUNTY, OKLAHOMA

DRAWN BY: AM		DATE: 3/17/16	CHK'D: JE
GATEWAY NO.: 16-0150-102R2		SCALE: 1"=1000'	
PN:		AFE:	
REV.	DWN.	DESCRIPTION	DATE
1	RLG	MOVED WELL STAKE/CHANGE PAD DIM.	3/25/16
2	RLG	RESTAKE	7/8/16

SECTION 7, T 18 N - R 07 W, I.M.,
KINGFISHER COUNTY, OKLAHOMA



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GATEWAY NO.: 16-0150-103R2		SCALE: 1"=1000'	
PN:		AFE:	
REV.	DWN.	DESCRIPTION	DATE
1	RLG	MOVED WELL STAKE/CHANGE PAD DIM.	3/25/16
2	RLG	RESTAKE	7/8/16

SECTION 7, T 18 N – R 07 W, I.M.,
KINGFISHER COUNTY, OKLAHOMA

BEARINGS ARE GRID
OKLAHOMA SPC, NAD 27, NORTH ZONE



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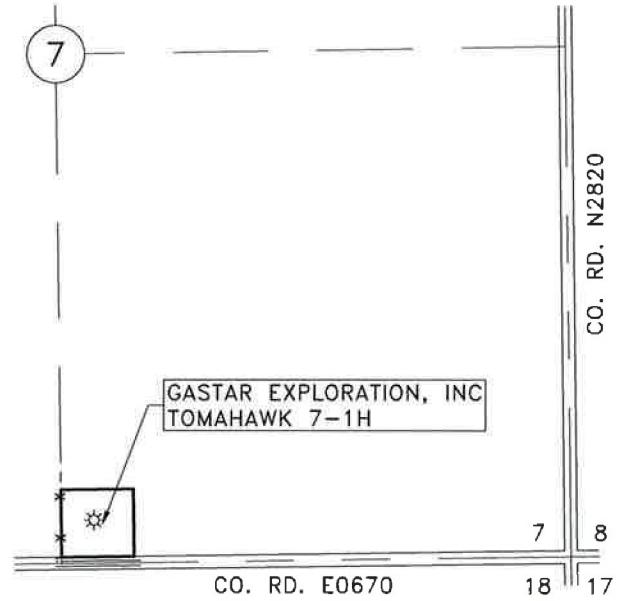
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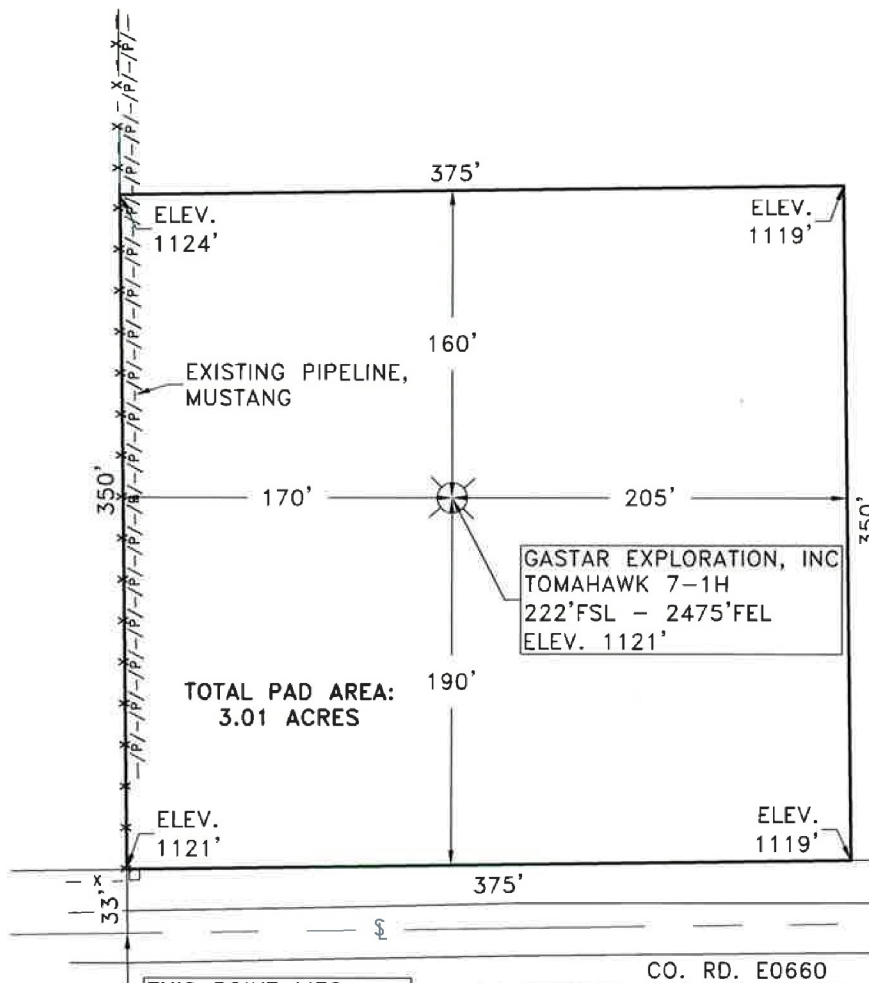
DRAWN BY: AM		DATE: 3/17/16	CHK'D: JE
GATEWAY NO.: 16-0150-104R2		SCALE: NTS	
PN:		AFE:	
REV.	DWN.	DESCRIPTION	DATE
1	RLG	MOVED WELL STAKE/CHANGE PAD DIM.	3/25/16
2	RLG	RESTAKE	7/8/16

SE/4 SECTION 7, T 18 N - R 07 W, I.M.,
KINGFISHER COUNTY, OKLAHOMA

BEARINGS ARE GRID
OKLAHOMA SPC, NAD 27, NORTH ZONE



VICINITY MAP - SCALE: 1"=1000'



THIS POINT LIES:
N00°45'39"W-33'
FROM THE SW COR.
OF THE SE/4 SEC. 7

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DRAWN BY: AM		DATE: 3/17/16	CHK'D: JE
GATEWAY NO.: 16-0150-105R2		SCALE: 1"=100'	
PN:		AFE:	
REV.	DWN.	DESCRIPTION	DATE
1	RLG	MOVED WELL STAKE/CHANGE PAD DIM.	3/25/16
2	RLG	RESTAKE	7/8/16