API NUMBER: 073 26057

Oil & Gas

Horizontal Hole

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

Approval Date: 05/18/2018
Expiration Date: 11/18/2018

PERMIT TO DRILL

WELL LOCATION:	Sec:	34	Twp:	19N	Rge:	6W	County:	KINGFISHER
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SPOT LOCATION: SW SE SE FEET FROM QUARTER: FROM SOUTH FROM EAST SECTION LINES: 280 1145

Lease Name: GABRIEL 34-19-6 Well No: 3HC Well will be 280 feet from nearest unit or lease boundary.

Operator CHESAPEAKE OPERATING LLC Telephone: 4059353425; 4059358 OTC/OCC Number: 17441 0

CHESAPEAKE OPERATING LLC

PO BOX 18496

OKLAHOMA CITY, OK 73154-0496

RANDALL & MARTHA GABRIEL 18329 S. 54TH STREET

HENNESSEY OK 73742

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

	Name Depth		Name		Depth	
1	OSWEGO	6170	6			
2			7			
3			8			
4			9			
5			10			
Spacing Orders:		Location Exception Orders:	676694		Increased Density Orders:	676689
	676909		676693			677322
	677385		676695			
			677324			

Pending CD Numbers: Special Orders:

Total Depth: 16500 Ground Elevation: 1165 Surface Casing: 1500 Depth to base of Treatable Water-Bearing FM: 200

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: CPit Location is AP/TE DEPOSIT

Pit Location Formation: TERRACE

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 18-34365

D. One time land application -- (REQUIRES PERMIT)
H. CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST

HORIZONTAL HOLE 1

Sec 27 Twp 19N Rge 6W County KINGFISHER

Spot Location of End Point: E2 NW NW NE
Feet From: NORTH 1/4 Section Line: 330
Feet From: EAST 1/4 Section Line: 2260

Depth of Deviation: 5908
Radius of Turn: 477
Direction: 349
Total Length: 9843

Measured Total Depth: 16500

True Vertical Depth: 6336

End Point Location from Lease,
Unit, or Property Line: 330

Notes:

Category Description

DEEP SURFACE CASING 5/3/2018 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY FOR ANY LOSS OF

CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON CONDUCTOR OR

SURFACE CASING

EXCEPTION TO RULE - 676693 5/4/2018 - G75 - (I.O.) E2 34-19N-6W

X165:10-3-28(C)(2)(B) OSWG (GABRIEL 34-19-6 3HC)

MAY BE CLOSER THAN 600' TO CHARLES J. MCCULLY 3-34, CHARLES J. MCCULLY 2-34 &

MCCULLY A-3

CHESAPEAKE OP., L.L.C.

4-23-2018

EXCEPTION TO RULE - 676695 5/4/2018 - G75 - (I.O.) E2 27-19N-6W

X165:10-3-28(C)(2)(B) OSWG (GABRIEL 34-19-6 3HC) MAY BE CLOSER THAN 600' TO ANN FELDER 3-27

CHESAPEAKE OP., L.L.C.

4-23-2018

HYDRAULIC FRACTURING 5/3/2018 - 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

INCREASED DENSITY - 676689 5/4/2018 - G75 - E2 27-19N-6W

X652255 OSWG

2 WELLS

CHESAPEAKE OP., L.L.C.

4-23-2018

INCREASED DENSITY - 677322 5/4/2018 - G75 - E2 34-19N-6W

X676909 OSWG

2 WELLS

CHESAPEAKE OP., L.L.C.

5-4-2018

LOCATION EXCEPTION - 676694 5/4/2018 - G75 - (I.O.) E2 27-19N-6W

X652255 OSWG, OTHER

COMPL. INT. NCT 0' FSL, NCT 330' FNL, NCT 330' FWL

CHESAPEAKE OP., L.L.C.

4-23-2018

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.

073 26057 GABRIEL 34-19-6 3HC

Category Description

LOCATION EXCEPTION - 677324 5/4/2018 - G75 - (I.O.) E2 34-19N-6W

X676909 OSWG, OTHER

COMPL. INT. NCT 330' FSL, NCT 0' FNL, NCT 330' FWL

CHESAPEAKE OP., L.L.C.

5-4-2018

SPACING - 652255 5/4/2018 - G75 - (320)(HOR) E2 27-19N-6W

EST OSWG, OTHER POE TO BHL NCT 660' FB

(COEXIST SP. ORDER #46857 OSWG)

SPACING - 676909 5/4/2018 - G75 - (320)(HOR) E2 34-19N-6W

EST OSWG, OTHER POE TO BHL NCT 660' FB

(COEXIST SP. ORDER # 46739 OSWG)

SPACING - 677385 5/18/2018 - G75 - (I.O.) E2 34 & E2 27-19N-6W EST MULTIUNIT HORIZONTAL WELL

EST MULTIUNIT HORIZONTAL WEI X676909 OSWG E2 34-19N-6W X652255 OSWG E2 27-19N-6W

50% E2 34-19N-6W 50% E2 27-19N-6W CHESAPEAKE OP., L.L.C.

5-7-2018

TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA
6709 NORTH CLASSEN BLVD., OKLA. City, OKLA. 73116 * LOCAL (405) 843-4847 * OUT OF STATE (800) 654-3219
Certificate of Authorization No. 1293 LS County, Oklahoma
19N Range KINGFISHER API 073-26057 280'FSL - 1145'FEL _ Section Township Τhe NAD-27 X=2048617.4 Y=401122.5 NAD-83 X=2017018.1 Y=401146.7 NAD-27 X=2051260.9 Y=401108.6 NAD-83 X=2019561.6 Y=401132.9 construction information NAD-27 X=2053904.2 Y=401094.7 NAD-83 X=2022304.9 Y=401119.0 BOTTOM HOLE 384 NOTE: purposes 2314 BOTIOM HOLE 330'FNL-2280'FEL NAD-27 (US Feet) 36'06'03.2" N 36.100881' N 97.82'5188' W X=2051644.5 Y=400776.6 NAD-83 (US Feet) 36'06'03.3" N 97'49'31.9" W 36.100921' N 97.82'5518' W X=2020045.2 Y=400800.8 herein ONLY. NAD-27 X=2048616.5 Y=398477.5 NAD-83 X=2017017.1 Y=398501.8 NAD-27 X=2053906.6 Y=398451.8 NAD-83 X=2022307.3 GRID NAD-27 OK NORTH US Feet ģ 1000 Y=398476. (27 Best Acces Distance & from Hwy Good Lease Operator: Topography t Accessibility to Loc lance & Direction in Hwy Jct or Town_ Dr.II Name: DIST. FROM EXISTING WELL TO GABRIEL 34-19-6 3HC SHL: 7025' LP: 6867' PDP: 298' BHL: 2996' PATH æ Vegetation 2647 GABRIEL PROPOSED then Location NAD-27 X=2051259.9 Y=395819.6 NAD-83 X=2019660.6 NAD-27 X=2053908,8 Y=395808.8 NAD-83 X=2022309.5 Y=395833.0 ±3.0 Yes 9841 L00. 19-6 ⊒, Y=395843.9 11 <u>fe</u> South ट्र DIST, FROM CJ McCULLY 3 170 GABRIEL 34-19-6 3HC SHL: 4412' LP: 4232 PPP: 307' BHL: 5529' (D) DIST, FROM CJ McCULLY 2 TO GABRIEL 34-19-6 3HC SHL: 3120' LP: 2910' PDP: 301' BHL: 6953' (E) ⋽. S NAD~27 X=2048611. evel EXISTING WELL CJ McCULLY 3 X=2046611.7 Y=395830.5 NAD-83 X=2017011.7 Q Reference Stakes Set uth (D) Y=395854.7 읔 8 and Stakes or / (E) BHL: 6953 ş 잋 road DIST. FROM McCULLY 3 TO GABRIEL 34-19-6 3HC SHL: 1877' LP: 1602' PDP: 300' BHL: 8272' (f) Hwy. Sec EXISTING WELL CJ McCULLY 2 ₩ell Alternate NAD-27 X=2053879.9 Y=393169.3 NAD-83 X=2022280.6 Y=393193.5 (E) ũ 34-T19N-R6W No.: NAD-27 X=2048587.5 Y=393186.5 NAD-83 X=2016988.1 Y=393210.7 유 Hennessey Location 왕 (34)LANDING POINT
400 FSL-2260 FEL
NAD-27 (US Feet)
36'04'25.8" N
97'49'31.5" W
36.073847" N
97.825415' W
X=2051595.3
Y=390935.7
NAD-83 (US Feet)
36'04'26.0" N
36.073888" N
97.825745'0 W EXISTING WELL McCULLY 3 ELEVATION: 1165' Gr. at Stake 1165' Gr. at Stake 웃 **,** 90 ± 3.5 ₫. SURFACE HOLE 280'FSL-1145'FEL NAD-83 (US Feet) 36'04'24.8" N 97'49'19.1" W 36.073545' N 97.821976' W X=2021109.8 Y=390837.0 97.825745°0 W X=2019996.0 Y=390959.9 East NAD-27 X=2053851.0 Y=390529.8 NAD-83 X=2022251.7 Y=390554.0 NAD-27 X=2051217.2 Y=390536.6 NAD-83 X=2019617.9 LANDING POINT NAO-27 X=2048564.0 Y=390543.6 NAO-83 X=2016964.6 =390837.0 T19N-R6W 280' Township Line-P Y=390567.8 T18N-R6W LANDING POINT, BOTTOM HOLE, AND DRILL PATH INFORMATION PROVIDED BY OPERATOR LISTED, NOT SURVEYED. ☐ Revision 🛛 A Date of Drawing: May 16, 2018 ESSIONAL Invoice # 286881B Date Staked: Jan. 26, 2018 AC/TR DATUM: NAD-27 LAT: 36'04'24.6"N LONG: 97'49'17.9"W **CERTIFICATE:** SURI LAT: 36.073504' N THOMAS L S-16-18 S Thomas L. Howell an Oklahoma Licensed Land LONG: 97.821647' W Surveyor and an authorized agent of Topographic Land STATE PLANE Surveyors of Oklahoma, do hereby certify to the COORDINATES: (US Feet) information shown herein OK NÖRTH ZONE: 1. Nave X: 2052709.1 Hom 390812.8 Oklahoma Lic. No. 1433