API NUMBER:	073 26644	А	

Oil & Gas

Multi Unit

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

Approval Date: 08/19/2021 Expiration Date: 02/19/2023

# PERMIT TO DRILL

WELL LOCATION:	Section: 27	Township: 17N	Range: 7W	County: KI	NGFISHER				
POT LOCATION:	SE SW SE	SW FF	EET FROM QUARTER: FROM	SOUTH	FROM WEST				
			SECTION LINES:	240	1828				
Lease Name:	BEVERLY 27-17-7		Well No:	3HC		Well will be	240 feet from	nearest unit	or lease boundary.
Operator Name:	TAPSTONE ENERGY	LC	Telephone:	405702160	0		ОТС	C/OCC Num	ber: 24505 0
TAPSTONE	ENERGY LLC				MARY J. PENND	ORF REV. TH	RUST		
PO BOX 160	8				12169 SOUTH E	AST 172ND L	ANE		
OKLAHOMA	CITY,	OK 731	101-1608		SUMMERFIELD		FL	34491	
Formation(s)	(Permit Valid for L	Isted Formation	ons Only):						
Name		Code	Depth						
1 OSWEGO		404OSWG	6705						
Spacing Orders:	641398		Location Except	otion Orders:	719157		Increased De	nsity Orders:	701737
	701734				701736				701735
					701738				720039
					720040				720037
					720038				
Pending CD Numb	ers: No Pending	 J	Working in	erest owners	notified: ***		Spe	ecial Orders:	No Special
Total Depth: 1	17700 Ground	Elevation: 1069	Surface	Casing: 1	500	Depth to	base of Treatable	Water-Bearin	g FM: 220
							Deep surf	ace casing	has been approv
Under	r Federal Jurisdiction: No	)			Approved Method for	disposal of Drillir	ng Fluids:		
	er Supply Well Drilled: No	1			D. One time land applic	ation (REQUIRE	S PERMIT)	PERM	MIT NO: 19-37127
Fresh Wate									
Fresh Wate Surfac	e Water used to Drill: Ye	۱S			H. (Other)	C F	CLOSED SYSTEM	=STEEL PITS	PER OPERATOR
Fresh Wate Surfac	e Water used to Drill: Ye	PS			H. (Other) Category	of Pit: C	CLOSED SYSTEM REQUEST	STEEL PITS	PER OPERATOR
Fresh Wate Surfac PIT 1 INFOR Type of	e Water used to Drill: Ye MATION Pit System: CLOSED C	Reference System Mea	ans Steel Pits		H. (Other) Category Liner not required for	of Pit: C Category: C	CLOSED SYSTEM REQUEST	STEEL PITS	PER OPERATOR
Fresh Wate Surfac PIT 1 INFOR Type of Type of M	e Water used to Drill: Ye MATION Pit System: CLOSED C Iud System: WATER BA	S Sed System Mea	ans Steel Pits		H. (Other) Category Liner not required for Pit Locati	of Pit: C Category: C on is: NON HS/	REQUEST	=STEEL PITS	PER OPERATOR
Fresh Wate Surfac PIT 1 INFOR Type of Type of M Chlorides Max: 5(	e Water used to Drill: Ye MATION Pit System: CLOSED ( Iud System: WATER BA: 000 Average: 3000	Slosed System Mea	ans Steel Pits		H. (Other) Category Liner not required for Pit Locati Pit Location Form	of Pit: C Category: C on is: NON HS/ ation: BISON	CLOSED SYSTEM REQUEST	=STEEL PITS	PER OPERATOR
Fresh Wate Surfac PIT 1 INFOR Type of Type of M Chlorides Max: 50 Is depth to	MATION Pit System: CLOSED C Iud System: WATER BA: 000 Average: 3000 top of ground water great	S Closed System Mea SED er than 10ft below	ans Steel Pits base of pit? Y		H. (Other) Category Liner not required for Pit Locati Pit Location Form	of Pit: C Category: C on is: NON HS/ ation: BISON	CLOSED SYSTEM	=STEEL PITS	PER OPERATOR
Fresh Wate Surfac PIT 1 INFOR Type of Type of M Chlorides Max: 50 Is depth to Within 1	MATION Pit System: CLOSED C Iud System: WATER BA: 000 Average: 3000 top of ground water great mile of municipal water we	es Closed System Mea SED er than 10ft below शी? N	ans Steel Pits base of pit? Y		H. (Other) Category Liner not required for Pit Locati Pit Location Form	of Pit: C Category: C on is: NON HS/ ation: BISON	CLOSED SYSTEM REQUEST	=STEEL PITS	PER OPERATOR
Fresh Wate Surfac PIT 1 INFOR Type of M Chlorides Max: 50 Is depth to Within 1	e Water used to Drill: Ye <b>MATION</b> Pit System: CLOSED C Iud System: WATER BA: 000 Average: 3000 to po f ground water great mile of municipal water we Wellhead Protection Are	SED er than 10ft below all? N	ans Steel Pits base of pit? Y		H. (Other) Category Liner not required for Pit Locati Pit Location Form	of Pit: C Category: C on is: NON HS/ ation: BISON	CLOSED SYSTEM REQUEST	=STEEL PITS	PER OPERATOR

Section: 22 Township:	17N Rar	nge: 7W	Meridian:	IM	Total Length:	9900
County:	KINGFISHER				Measured Total Depth:	17700
Spot Location of End Point:	NE NW	NW	NW		True Vertical Depth:	6916
Feet From:	NORTH	1/4 Secti	on Line: 250		End Point Location from	
Feet From:	WEST	1/4 Secti	on Line: 360		Lease, Unit, or Property Line:	250

### NOTES:

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.

Category	Description
DEEP SURFACE CASING	[8/17/2021 - GC2] - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING
EXCEPTION TO RULE - 719157	[8/19/2021 - G56] - (I.O.) 27-17N-7W X165:10-3-28 (C)(2)(B) OSWG (BEVERLY 27-17-7 3HC) MAY BE CLOSER THAN 600' TO MAE 1-27 AND JENNY 27-1 TAPSTONE ENERGY, LLC 6/28/2021
HYDRAULIC FRACTURING	[8/17/2021 - GC2] - OCC 165:10-3-10 REQUIRES:
	1) NOTICE SHALL BE GIVEN AT LEAST 5 BUSINESS DAYS PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS ON A HORIZONTAL WELL TO OPERATORS PRODUCING WELLS WITHIN 1 MILE OF THE COMPLETION INTERVAL OF THE SUBJECT WELL. THE NOTICE TO SUCH OPERATORS SHALL CONTAIN THE INFORMATION IN FORM 6000NOO. IF THE HYDRAULIC FRACTURING OPERATIONS SCHEDULE CHANGES AFTER NOTICE HAS BEEN PROVIDED, RESULTING IN A DELAY OF OPERATIONS OF MORE THAN 5 DAYS FROM THE INITIAL NOTICE, NEW NOTICE IS REQUIRED TO BE GIVEN;
	2) NOTICE WILL BE GIVEN TO THE OCC CENTRAL OFFICE AND LOCAL DISTRICT OFFICES AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS. FORM 6000NHF SHALL BE USED AND IS FOUND AT THIS LINK: OCCEWEB.COM/OG/OGFORMS.HTML; AND,
	3) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS IS TO BE REPORTED TO FRACFOCUS WITHIN 60 DAYS AFTER THE CONCLUSION OF HYDRAULIC FRACTURING OPERATIONS, FOUND AT FRACFOCUS.ORG
INCREASED DENSITY - 701735	[8/19/2021 - G56] - 27-17N-7W X644145 OSWG 1 WELL NO OP. NAMED 9/4/2019
INCREASED DENSITY - 701737	[8/19/2021 - G56] - 22-17N-7W X641398 OSWG 1 WELL NO OP. NAMED 9/4/2019
INCREASED DENSITY - 720037	[8/19/2021 - G56] - EXTENSION OF TIME FOR ORDER # 701735
INCREASED DENSITY - 720039	[8/19/2021 - G56] - EXTENSION OF TIME FOR ORDER # 701737
LOCATION EXCEPTION - 701736	[8/19/2021 - G56] - (I.O.) 27-17N-7W X644145 OSWG COMPL. INT. NCT 0' FNL, NCT 330' FSL, NCT 330' FWL NO OP. NAMED 7/19/2019
LOCATION EXCEPTION - 701738	[8/19/2021 - G56] - (I.O.) 22-17N-7W X641398 OSWG COMPL. INT. NCT 330' FNL, NCT 0' FSL, NCT 330' FWL NO OP. NAMED 9/7/2019
LOCATION EXCEPTION - 720038	[8/19/2021 - G56] - EXTENSION OF TIME FOR ORDER # 701736
LOCATION EXCEPTION - 720040	[8/19/2021 - G56] - EXTENSION OF TIME FOR ORDER # 701738
SPACING - 641398	[8/19/2021 - G56] - (640)(HOR) 22-17N-7W VAC 242914 OWSG, OTHER VAC 109727 OWSG NW4 VAC 40411/42259 OSWG N2 NE4 EST OSWG, OTHER COMPL INT NLT 660' FB (COEXIST SP. ORDER #40411/42259 OWSG S2 NE4, N2 SE4, S2 SE4, & SP# 109727 OSWG N2 SW4, S2 SW4)
SPACING - 644145	[8/19/2021 - G56] - (640)(HOR) 27-17N-7W VAC 40411/42259 OSWG S2 & N2 NW4 VAC OTHERS EST OSWG, OTHERS COMPL INT NLT 660' FB (COEXIST SP # 40411/42259 S2 NW4, N2 NE4, S2 NE4)

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.

SPACING -	701734
-----------	--------

[8/19/2021 - G56] - (I.O.) 27 & 22-17N-7W EST MULTIUNIT HORIZONTAL WELL X644145 OSWG 27-17N-7W X641398 OSWG 22-17N-7W 50% 27-17N-7W 50% 22-17N-7W CHESAPEAKE OPERATING, LLC 9/4/2019

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.





<u>14</u>3 Oklahoma Lic. No. \_

332583.4

A HOMA OKLAHOMA



## LOCATION & ELEVATION VERIFICATION MAP



September 27, 2018

TOPOGRAPHIC LAND SURVEYORS Surveying and Mapping for the Energy Industry 13800 Wireless Way, Okla. City, OK. 73134 www.topographic.com Telephone Numbers: Local (405) 843-4847 Toll Free (800) 654-3219

# VICINITY MAP

TO RUMMOND	00,00.86		м м и и		<mark>, I</mark>		NSS 0		ן <sub>ו</sub>	, (	 	، ۱۰ :۱	NS2	4 / 1	- <sup></sup>	, R5W		UN 1 Iz I	Y ¥	
* 35	36	31	32			35	36	31	32	33	34	35 (	- 36 L	31	32	33	34/	35	36	¥ ¥
√32) 2 ≱	÷ , ;	6	7			<b>*</b>		3 7	5.	Ś	N			000 - 10 0000 - 10 0000 - 10		86		2		FEE
<b>1</b> 1	12	ε <u>0603</u> 7 -		, -	)10j	سر ۱۱ سر	38 Div 122 123	$\rightarrow \gamma$	$\gamma$	~_^/	ر کھر			کر میں 200	Creek	<u></u>	102	Y.	1/2	/ <sub>T</sub>
Presediat	13 <sup>10</sup>	18	17		15	HENNESSEY	13	18	i ¢aç∕	ins <del>⊄ ( n</del> , ∕‰		/ 1300		r y	(17)		15		ر مرکز	19 N
<b>-</b>		C				POP.1,902	<u>6.08 (* 0.7</u>  24	19-	20 E0625	/ 3 21			) 112       014	Comp <sup>2</sup>		ئر مر 21	2/2 2/2			STILLWATE
	24 -				√ <sup>22‴</sup>	<u>p</u> z				88.	22°	Apornell	22 	۲ <sup>,۷</sup> ۳		Sering S	Thomas		24 ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	
26	25	30	29	10 000 12 28	27 27	35-	32074 1	30	29		• 27 27	<b>%</b> ⊺	28	\$\$\$ }	29.   29.   29.	- 28			25	
- 35	(q. 36/	- 31	se i			35		میں محکوم		33	***	35 /	, ,		32	33	, 34 T I I I I	35	لمرد المحرم	
2	•••••••••••••••••••••••••••••••••••••	6	5	9 %	ع ح ح	2		6	5 5	<b>.</b>	<b>X</b>			/s/	} } 5₹	1 17	Ø SEIGMANN'S	2 Z	/E0655	/
							ľ.	3 D0661 7	8				12	/		• "( ;	AIRPORT		$\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{$	±.
╶╢┈					718	The second s					10° ∓	-ïï Π		-7°	<u> </u>	Ъ¢	703)			
<b>/</b> **	<i>i</i> 🖗		<b>1</b> 00	16	È 8		13 88	18 	17	18 Annana	15 	14 	13 88 4	18 -	<u>_</u> "_	{`.€	13 /		13	- T - 18
RON 23R	NER 24	19	20 800	20	<b>1</b>	28	19/24	19	20	21	22 22	23 23	24	- 19	20	21	22	*	2100	- N
2	25	•	20	28	27	26	29 -	₿ ₩	, 29 29	2	200 277	26	25 🚽	000 30	29 29	28	-	./ / 28	200 21	Ē.
35	36	31		33		E0705.35/{	81} 36	31 a		33	34	35	TT + 36	- 31			/34		200 36	<u>- 36'00'00''</u>
	joo Strategy	•88) •^	5	4	54 L	გა∦. ყვ∙ლ					÷.		Ţ.Ļ.		• 32		/⊞  ∕			
	ر بھر ر <u>ہ )</u> کر	Creen			L.C.		DOVER POP.376	=•⁄	* <u>\$</u> 	**** *******	Hope	2 	- ' I							- -
		2			<u>I</u> VC			<b>\$</b>	<b>*</b>	<b>\$</b>	10	( <sup>1</sup> )	12 <u>†</u> ∎⊡	₿¢į	8	/	10/	Ÿ	12	
$\mathcal{N}$		, fâș		/86	( <b>1</b> 86 /		13	18	17	16	15	⊡ ■ 14	250 713		17	16 886	/15	14	13 ⊟ <sup>⊡</sup>	
	24	1	20	,	/ 23		Cast and	18		21	22	22	24			- *	22	 &	24	<u> </u>
			Burson				24	Jee Contraction					S C		20				<b></b>	
°) ■■ ■						2)(5			(29)	28			25	He is the second	CONTRACT	$\square$	27	26	25	<u> </u>
/35	/ 36	,31 (TL	32	33		35 . T.L.	' <b>36 /</b>	Z <sup>31</sup>		33)	J 5Å (∖)	<sup>35</sup>	36	31	- <sup>32</sup>		34	35 	36 Wandell∆	
N2795		<u>F</u>	Y	122 A. 4	(	2					3 Grant	2.		16	WANDE	Wainut	3		,	
/-	6 () / <sup>20</sup>					KINGFISH		$\mathbf{x}'$		Rome -	12	¥.	12	X		/,	10	)	12	—
, <b>∕</b> ,∺,						K pr	<b>Here</b>	den n n	- <del>-</del>	7.00	- ann	finnnn.	allia a d		the state of the second se	्रीय मध्य स्	e petere	╺┇──∖ァ╢		- 191

Scale: 1'' = 3 Miles

Sec.	27	Twp	17N	Rng	7W	IM
				_ 0 _		

KINGFISHER State OK County\_\_\_\_

Operator TAPSTONE ENERGY, LLC





Topographic Survey Certification I, Thomas L. Howell, certify that this project was completed under my direct and responsible charge from an actual survey made under my supervision and that this ground survey was performed at the 95 percent confidence level to meet Federal Geographic Data Committee Standards; that this survey was performed to meet the Specifications for Topographic and Planimetric Mapping contained in the Oklahoma Minimum Standards for the Practice of Land Surveying as adopted by the Oklahoma State Board of Licensure for Professional Engineers and Land Surveyors. The original data was obtained on 8/21/2019; the survey was completed on 8/21/2019; the contours shown as even feet may not meet the Stated standard; all coordinates are based on Oklahoma North Zone, NAD-83, adjusted to an OPUS solution(s), and all elevations are based on NAVD-88 Datum.

CONTROL SURVEY CERTIFICATION I, Thomas L. Howell, certify that this horizontal/vertical control survey was completed under my direct and responsible charge from an actual survey made under my supervision and meets the Oklahoma Minimum Standards for the Practice of Land Surveying as adopted by the Oklahoma State Board of Licensure for Professional Engineers and Land Surveyors.

Control Notes:

- 1. All horizontal coordinate values are shown in U.S. Survey feet and all vertical elevation values are shown in feet.
- All control points are based on initial control. Control Point(s) 2. was (were) used as the basis of horizontal and vertical control. Control Point(s) to be used as the basis of bearing.
- All bearings are based on State Plane Coordinates, Oklahoma 3 North Line established by OPUS solution(s). Distances shown are Grid Distances. All field measurements and angles applied to control pointswere made with a Timble R10, GNSS Observer. Horizontal accuracy is 0.25 m+1ppm RMS. Vertical accuracy is 0.5m+1ppm RMS.
- All elevations of control points are based on initial elevation of 4 OPUS solutions in NAVD-88. All elevations are determined by a Trimble R10, GNSS Observer. Horizontal accuracy is 0.25 m+1ppm RMS. Vertical accuracy is 0.5m+1ppm RMS.
- 5. All control points were set and observed on 8/21/2019 and adjusted to final coordinates on 8/21/2019.

PLAT SHOWING EXISTING CONTOURS OF A PROPOSED PAD AND LEASE ROAD FOR THE BEVERLY 27-17-7 PAD IN THE SW/4 OF SECTION 27, T17N - R7W KINGFISHER COUNTY. OKLAHOMA



THE INFORMATION SHOWN HEREIN IS FOR CONSTRUCTION PURPOSES ONLY. WORKING LIMITS ARE MARKED ON

```
THE GROUND.
```



### **Topographic Survey Certification**

I. Thomas L. Howell, certify that this project was completed under my direct and responsible charge from an actual survey made under my supervision and that this ground survey was performed at the 95 percent confidence level to meet Federal Geographic Data Committee Standards; that this survey was performed to meet the Specifications for Topographic and Planimetric Mapping contained in the Oklahoma Minimum Standards for the Practice of Land Surveying as adopted by the Oklahoma State Board of Licensure for Professional Engineers and Land Surveyors. The original data was obtained on 8/21/2019; the survey was completed on 8/21/2019; the contours shown as even feet may not meet the stated standard; all coordinates are based on Oklahoma North Zone, NAD-83, adjusted to an OPUS solution(s), and all elevations are based on NAVD-88 Datum.

CONTROL SURVEY CERTIFICATION I, Thomas L. Howell, certify that this horizontal/vertical control survey was completed under my direct and responsible charge from an actual survey made under my supervision and meets the Oklahoma Minimum Standards for the Practice of Land Surveying as adopted by the Oklahoma State Board of Licensure for Professional Engineers and Land Surveyors.

Control Notes:

- 1. All horizontal coordinate values are shown in U.S. Survey feet and all vertical elevation values are shown in feet.
- 2. All control points are based on initial control. Control Point(s) was (were) used as the basis of horizontal and vertical
- control. Control Point(s) to be used as the basis of bearing. All bearings are based on State Plane Coordinates, Oklahoma 3. North Line established by OPUS solution(s). Distances shown are Grid Distances. All field measurements and angles applied to control pointswere made with a Trimble R10, GNSS Observer. Horizontal accuracy is 0.25 m+1ppm RMS. Vertical accuracy is 0.5m+1ppm RMS.
- All elevations of control points are based on initial elevation of 4. OPUS solutions in NAVD-88. All elevations are determined by a Trimble R10, GNSS Observer. Horizontal accuracy is 0.25 m+1ppm RMS. Vertical accuracy is 0.5m+1ppm RMS.
- All control points were set and observed on 8/21/2019 and 5. adjusted to final coordinates on 8/21/2019.

PLAT SHOWING FINAL CONTOURS OF A PROPOSED PAD AND LEASE ROAD FOR THE BEVERLY 27-17-7 PAD IN THE SW/4 OF SECTION 27, T17N - R7W KINGFISHER COUNTY. OKLAHOMA



THE GROUND.



