# Oklahoma Corporation Commission Oil & Gas Conservation Division Post Office Box 52000 Oklahoma City, Oklahoma 73152-2000

Rule 165: 10-3-25

OTC Prod. Unit No.: 043-222738 Drilling Finished Date: November 23, 2017

1st Prod Date: December 22, 2017

Completion Date: December 21, 2017

Drill Type: HORIZONTAL HOLE

Well Name: BORDEN 22-18-17 1H Purchaser/Measurer: TALL OAK

Location: DEWEY 27 18N 17W

SW NW NW NW

580 FNL 300 FWL of 1/4 SEC

Latitude: 36.01331415 Longitude: -99.00770341 Derrick Elevation: 1794 Ground Elevation: 1769

Operator: TAPSTONE ENERGY LLC 23467

100 E MAIN ST

OKLAHOMA CITY, OK 73104-2509

	Completion Type
Х	Single Zone
	Multiple Zone
	Commingled

Location Exception		
Order No		
673701		

Increased Density
Order No
There are no Increased Density records to display.

First Sales Date: 12/22/2017

Casing and Cement							
Туре	Size	Weight	Grade	Feet	PSI	SAX	Top of CMT
SURFACE	9 5/8	36	J-55	1515	800	510	SURFACE
PRODUCTION	7	26	P-110	11764	3300	370	5946

				Liner				
Туре	Size	Weight	Grade	Length	PSI	SAX	Top Depth	Bottom Depth
LINER	4 1/2	13.5	P-110	6307	2500	440	10706	17013

Total Depth: 17013

Packer			
Depth	Brand & Type		
10674	AS1-X		

Plug			
Depth	Plug Type		
There are no Plug	records to display.		

	Initial Test Data									
Test Date	Formation	Oil BBL/Day	Oil-Gravity (API)	Gas MCF/Day	Gas-Oil Ratio Cu FT/BBL	Water BBL/Day	Pumpin or Flowing	Initial Shut- In Pressure	Choke Size	Flow Tubing Pressure
Mar 08, 2018	MISSISSIPPIAN	61	48	2942	48230	1192	FLOWING	2560	38/64	823

January 02, 2020 1 of 2

#### **Completion and Test Data by Producing Formation**

Formation Name: MISSISSIPPIAN

Code: 359MSSP

Class: GAS

Spacing Orders		
Order No	Unit Size	
653050	640	

Perforated Intervals			
From	То		
12180	16945		

Acid Volumes

1,296 BARRELS 15% HCL

Fracture Treatments
229,257 BARRELS, 10,077,627 POUNDS PROPPANT

Formation	Тор
BASE HEEBNER SHALE	6683
TONKAWA SAND	7176
COTTAGE GROVE SAND	7652
HOGSHOOTER	7981
OSWEGO LIME	8645
MORROW SHALE	9548
MISSISSIPPI / CHESTER LIME	10178
MANNING	10957
BASE MANNING LIME	11309
MANNING SHALE	11468
UPPER MERAMEC	11514
MIDDLE MERAMEC	11587

Were open hole logs run? No

Date last log run:

Was H2S Encountered? Yes

Depth Encountered: 10161

Were unusual drilling circumstances encountered? No

Explanation:

#### Other Remarks

There are no Other Remarks.

#### **Lateral Holes**

Sec: 22 TWP: 18N RGE: 17W County: DEWEY

NW NE NW NW

196 FNL 669 FWL of 1/4 SEC

Depth of Deviation: 11044 Radius of Turn: 412 Direction: 5 Total Length: 5307

Measured Total Depth: 17013 True Vertical Depth: 11463 End Pt. Location From Release, Unit or Property Line: 196

### FOR COMMISSION USE ONLY

1139082

Status: Accepted

January 02, 2020 2 of 2

12-22-17

Oklahoma Corporation Commission Oil & Gas Conservation Division Post Office Box 52000 Oklahoma City, Oklahoma 73152-2000 Rule 165: 10-3-25



1002A Addendum

API No.: 66043235630000

OTC Prod. Unit No.: 043-222738 - 0 - 0 00 0

**Completion Report** 

Spud Date: October 30, 2017

Drilling Finished Date: November 23, 2017

1st Prod Date: December 22, 2017

Completion Date: December 21, 2017

**Drill Type:** HORIZONTAL HOLE

Well Name: BORDEN 22-18-17 1H

Location:

DEWEY 27 18N 17W SW NW NW NW 580 FNL 300 FWL of 1/4 SEC

Latitude: 36.01331415 Longitude: -99.00770341

SM 27-18N/W Fire Sen A: 272738 I Derrick Elevation: 1794 Ground Elevation: 1769

TAPSTONE ENERGY LLC 23467 Operator:

100 E MAIN ST

**OKLAHOMA CITY, OK 73104-2509** 

Purchaser/Measurer: TALL OAK

First Sales Date: 12/22/2017

Completion Type		
Х	Single Zone	
	Multiple Zone	
	Commingled	
_		

Location Exception	
Order No	
 673701	

Increased Density	
Order No	
There are no Increased Density records to display.	

Casing and Cement							
Туре	Size	Weight	Grade	Feet	PSI	SAX	Top of CMT
SURFACE	9 5/8	36	J-55	1515	800	510	SURFACE
PRODUCTION	7	26	P-110	11764	3300	370	5946

	Liner							
Туре	Size	Weight	Grade	Length	PSI	SAX	Top Depth	<b>Bottom Depth</b>
LINER	4 1/2	13.5	P-110	6307	2500	440	10706	17013

Total Depth: 17013

Р	acker
Depth	Brand & Type
10674	AS1-X

	ug
Depth	Plug Type
	records to display.

Initial Test Data										
Test Date	Formation	Oil BBL/Day	Oil-Gravity (API)	Gas MCF/Day	Gas-Oil Ratio Cu FT/BBL	Water BBL/Day	Pumpin or Flowing	Initial Shut- In Pressure	Choke Size	Flow Tubing Pressure
Mar 08, 2018	MISSISSIPPIAN	61	48	2942	48230	1192	FLOWING	2560	38/64	823

January 02, 2020

EL 3-8-18

359 MSSA

2560 PSI

	Completi	on and Test Data by Producing Fo	ormation
Formation N	ame: MISSISSIPPIAN	Code: 359MSSP	Class: GAS
Spacing	Orders	Perforated In	itervals
Order No	Unit Size	From	То
653050	640	12180	16945
Acid Vo	blumes	Fracture Trea	atments
1,296 BARRELS 15% HCL		229,257 BARRELS, 10,077,62	7 POUNDS PROPPANT

Formation	Тор
BASE HEEBNER SHALE	6683
TONKAWA SAND	7176
COTTAGE GROVE SAND	7652
HOGSHOOTER	7981
OSWEGO LIME	8645
MORROW SHALE	9548
MISSISSIPPI / CHESTER LIME	10178
MANNING	10957
BASE MANNING LIME	11309
MANNING SHALE	11468
UPPER MERAMEC	11514
MIDDLE MERAMEC	11587

Were open hole logs run? No Date last log run:

Was H2S Encountered? Yes

Depth Encountered: 10161

Were unusual drilling circumstances encountered? No Explanation:

## Other Remarks

There are no Other Remarks.

#### Lateral Holes

Sec: 22 TWP: 18N RGE: 17W County: DEWEY

NW NE NW NW

196 FNL 669 FWL of 1/4 SEC

Depth of Deviation: 11044 Radius of Turn: 412 Direction: 5 Total Length: 5307

Measured Total Depth: 17013 True Vertical Depth: 11463 End Pt. Location From Release, Unit or Property Line: 196

## FOR COMMISSION USE ONLY

1139082

Status: Accepted

January 02, 2020 2 of 2

Form 1002A Rev. 2009

OKLAHOMA CORPORATIONS COMMISSION

MAR	1	9	21	118
		·	(_ L	,,,,

RECEIVED
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0504000500	TPLEASE TYPE OR USE BLACK INK ON
3504323563	NOTE:

DIRECTIONAL HOLE

**BORDEN 22-18-17** 

If directional or horizontal, see reverse for bottom hole location.

**DEWEY** 

SW 1/4 NW 1/4 NW 1/4 NW 1/4 FN) OF

1.794 Ground

Attach copy of original 1002A if recompletion or reentry.

SEC 27 TWP 18N RGE

1,769' Latitude (if known)

AS1-X

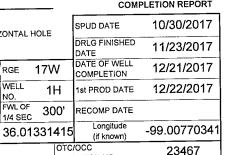
Tapstone Energy, LLC

OKLAHOMA CORPORATION COMMISSION NOTE: Oil & Gas Conservation Division

OPERATOR NO.

Post Office Box 52000 Oklahoma City, Oklahoma 73152-2000 Rule 165:10-3-25

$\sim$	MDI	FT	ON	REP	ORT



PO BOX 1608 ADDRESS 73101-1608 OK Oklahoma City STATE CITY

PLUG @

HORIZONTAL HOLE

WELL

FWL OF

1/4 SEC

NO.

640 Acres Х LOCATE WELL

COV	IPLETION TYPE	
Х	SINGLE ZONE	
	MULTIPLE ZONE	
	Application Date	
	COMMINGLED	101 60
	Application Date ATION	6737018.0.
LOC	ATION	672119 (Interim)
EXC	EPTION ORDER	OTZTIS (IITCIIII)
INC	REASED DENSITY	
ORD	ER NO.	

BRAND & TYPE

PACKER @ 10,674' BRAND & TYPE \_\_\_

PACKER @

NO.

UNIT NO.

COUNTY

LEASE

NAME

ELEVATION

**OPERATOR** 

Derrick FL

NAME

XORIGINAL

OTC PROD. 043222738

AMENDED (Reason)

TYPE OF DRILLING OPERATION

STRAIGHT HOLE

SERVICE WELL

CASING & CEMEN	NT (Form 100	2C must b	e attached				
TYPE	SIZE	WEIGHT	GRADE	FEET	PSI	SAX	TOP OF CMT
CONDUCTOR							
SURFACE	9 5/8	36	J-55	1,515'	800	510	SURFACE
INTERMEDIATE	7	26	P-110	11,764'	3,300	370	5,946' EST
PRODUCTION	5 1/2	20	L-80	10,706'	2,500	0	
LINER	4 1/2	13.5	P-110	10,706' - 17,013'	2,500	440	10,706'
DILIC &	TYPE	L	PLUG®	TYPE		TOTAL DEPTH	17,013'

PLUG @ \_

COMPLETION & TEST DATA BY PRODUCING FORMATION 359 MS **MISSISSIPPIAN** FORMATION SPACING & SPACING 640 ac - 653050 ORDER NUMBER
CLASS: Oil, Gas, Dry, Inj, GAS Disp, Comm Disp, Svc PERFORATED 12,180' - 17,013' INTERVALS 1,296 bbls 15% HCI ACID/VOLUME 229,257 BBLS FRACTURE TREATMENT 10,077,627# PROP (Fluids/Prop Amounts)

TYPE

	Min Gas Allowat	•	Gas Purchaser/Measurer First Sales Date	TALL OAK 12/22/2017
INITIAL TEST DATA	Oll Allowable	(165:10-13-3)		
INITIAL TEST DATE	3/8/2018			
OIL-BBL/DAY	61			
OIL-GRAVITY ( API)	48			
GAS-MCF/DAY	2942			
GAS-OIL RATIO CU FT/BBL	48,230			
WATER-BBL/DAY	1192			
PUMPING OR FLOWING	FLOWING			
INITIAL SHUT-IN PRESSURE	2560			
CHOKE SIZE	38			
FLOW TUBING PRESSURE	823			

A record of the formations drilled through, and pertinent remarks are	presented on the reverse. I declare that I have knowledge of the conten	ts of this report and am autho	orized by my organization
	on and direction, with the data and facts stated herein to be true, correct	, and complete to the best of	my knowledge and belief.
to make this report, which was prepared by the or under my supervisit	Bryan Rother	3/19/2018	405-702-1600

Bryan Rother

NAME (PRINT OR TYPE)

DATE

PHONE NUMBER

TALL OAK

PO BOX 1608 ADDRESS

Oklahoma City CITY

73101-1608 OK STATE ZIP

REGULATORY@TAPSTONEENERGY.COM EMAIL ADDRESS

#### PLEASE TYPE OR USE BLACK INK ONLY FORMATION RECORD

Give formation names and tops, if available, or descriptions and thickness of formations drilled through. Show intervals cored or drillstem tested.

NAMES OF FORMATIONS	TOP
BASE HEEBNER SHALE	6,683
TONKAWA SAND	7,176
COTTAGE GROVE SAND	7,652
HOGSHOOTER	7,981
OSWEGO LIME	8,645
MORROW SHALE	9,548
MISS./CHESTER LIME	10,178
MANNING	10,957
BASE MANNING LIME	11,309
MANNING SHALE	11,468
UPPER MERAMEC	11,514
MIDDLE MERAMEC	11,587

LEASE NAME _	BOKD	EN 22-	18-17	WE	LL NO.	1H
		FOI	R COMMIS	SION USE ONLY	,	
ITD on file [	YES DISAPPROVI	ED NO	2) Reject	Codes		
Were open hole k	ogs gin?	yes	Y no			
Date Last log was	_	,cs				
_	counterea:	yes	X no	at what depths	 }	
vvas н <sub>2</sub> 5 епс	ounterear	X yes	no	at what depths	10,1	161'
Were unusual drill If yes, briefly expla	ling circumstances ain below	encountere	d?		_yes _X	no

BORDEN 22-18-17

1H

640 Acres	воттом не	OLE LOCATION FOR DIRECTION	ONAL HOLE	
640 Acres		DLE LOCATION FOR DIRECTION		
TV I I I I		DLE LOCATION FOR DIRECTION RGE	COUNTY	

×			

Other remarks:

If more than three drainholes are proposed, attach a separate sheet indicating the necessary information.

Direction must be stated in degrees azimuth. Please note, the horizontal drainhole and its end point must be located within the boundaries of the lease or spacing unit.

Directional surveys are required for all drainholes and directional wells.

		640 /	Acres		
<u> </u>					

SEC	TWP	RGE	C	OUNTY			
Spot Loc	ation 1/4	1/4	1/4	1/4	Feet From 1/4 Sec Lines	FNL	FEL
Measured Total Depth True Vertical Depth			BHL From Lease, Unit, or Pr	operty Line:			

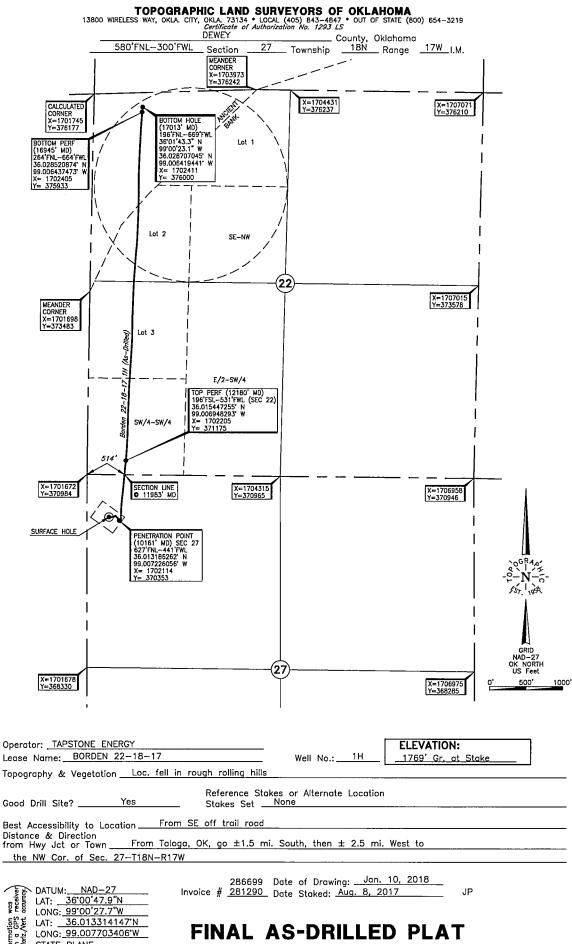
BOTTOM HOLE LOCATION FOR HORIZONTAL HOLE: (LATERALS)

LATERAL	#1								
SEC 22	TWP	18N	RGE	17W	COUNTY		[	DEWEY	
Spot Locat	ion 1/4	NE	1/4	NW 1/4	NW 1/4	Feet From 1/4 S	Sec Lines	FNL 196'	FWL 669'
Depth of Deviation		11,044'		Radius of Turn	1,419	Direction	5.18	Total Length	4,550
Measured	Total D	epth		True Vertical De	pth	BHL From Leas	se, Unit, or Pro	perty Line:	
	17,	013'		11,4	463'			196'	

SEC	TWP	RGE		COUNTY			
Spot Loc	ation 1/4	1/4	1/4	1/4	Feet From 1/4 Sec Lines	FSL	FWL
Depth of Deviation	l		Radius of Turn		Direction	Total Length	,
Measure	fleasured Total Depth True Vertical Depth		pth	BHL From Lease, Unit, or Property Line:			

SEC	TWP	RGE		COUNTY			
Spot Loca	ation 1/4	1/4	1/4	1/4	Feet From 1/4 Sec Lines	FSL	FWL
Depth of Deviation			Radius of Turn		Direction	Total Length	
Measured Total Depth True Vertical Dep		pth	BHL From Lease, Unit, or Property Line:				

Image @ 1002A



STATE PLANE COORDINATES: (US Feet)

ZONE: <u>OK NORTH</u> X: <u>1701973</u> 370401

# FINAL AS-DRILLED PLAT

AS-DRILLED INFORMATION FURNISHED BY TAPSTONE ENERGY