

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

Form 1002A

API No.: 35043235630000

**Completion Report**

Spud Date: October 30, 2017

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

First Sales Date: 12/22/2017

Operator: TAPSTONE ENERGY LLC 23467

100 E MAIN ST  
OKLAHOMA CITY, OK 73104-2509

Completion Type		Location Exception		Increased Density	
X	Single Zone	Order No		Order No	
	Multiple Zone	673701		There are no Increased Density records to display.	
	Commingled				

Casing and Cement							
Type	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								
Type	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		Plug	
Depth	Brand & Type	Depth	Plug Type
10674	AS1-X	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

Completion and Test Data by Producing Formation			
Formation Name: MISSISSIPPIAN		Code: 359MSSP	Class: GAS
<b>Spacing Orders</b>		<b>Perforated Intervals</b>	
<b>Order No</b>	<b>Unit Size</b>	<b>From</b>	<b>To</b>
653050	640	12180	16945
<b>Acid Volumes</b>		<b>Fracture Treatments</b>	
1,296 BARRELS 15% HCL		229,257 BARRELS, 10,077,627 POUNDS PROPPANT	

Formation	Top
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:

<b>Other Remarks</b>
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	
Status: Accepted	1139082

12-22-17  
Oklahoma Corporation Commission  
Oil & Gas Conservation Division  
Post Office Box 52000  
Oklahoma City, Oklahoma 73152-2000  
Rule 165: 10-3-25

Form 1002A

**1002A  
Addendum**

API No.: 06043235630000

**Completion Report**

Spud Date: October 30, 2017

OTC Prod. Unit No.: 043-222738 - 0-0000

Drilling Finished Date: November 23, 2017

1st Prod Date: December 22, 2017

Completion Date: December 21, 2017

**Drill Type: HORIZONTAL HOLE**

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Purchaser/Measurer: TALL OAK

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SW NW NW NW  
580 FNL 300 FWL of 1/4 SEC  
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Derrick Elevation: 1794 Ground Elevation: 1769

First Sales Date: 12/22/2017

Operator: TAPSTONE ENERGY LLC 23467

100 E MAIN ST  
OKLAHOMA CITY, OK 73104-2509

SAL 27-18N-17W  
Sec 22 A: 222738 I

Completion Type		Location Exception		Increased Density	
X	Single Zone	Order No		Order No	
	Multiple Zone	673701		There are no Increased Density records to display.	
	Commingled				

Casing and Cement								
Type		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								
Type	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**

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Mar 08, 2018	MISSISSIPPIAN	61	48	2942	48230	1192	FLOWING	2560	38/64	823

January 02, 2020

E2 3-8-18

359 MSSP

2560 PSI

1 of 2

QR

**Completion and Test Data by Producing Formation**

Formation Name: MISSISSIPPIAN

Code: 359MSSP

Class: GAS

**Spacing Orders**

Order No	Unit Size
653050	640 <b>H</b>

**Perforated Intervals**

From	To
12180	16945

**Acid Volumes**

1,296 BARRELS 15% HCL
-----------------------

**Fracture Treatments**

229,257 BARRELS, 10,077,627 POUNDS PROPPANT
---

Formation	Top
BASE HEEBNER SHALE	6683
TONKAWA SAND	7176
COTTAGE GROVE SAND	7652
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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

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 BORDEN 22-18-17 WELL NO. 1H

FOR COMMISSION USE ONLY	
ITD on file <input type="checkbox"/> YES <input type="checkbox"/> NO	
APPROVED _____	DISAPPROVED _____
2) Reject Codes	

Were open hole logs run?	yes	<input checked="" type="checkbox"/> no
Date Last log was run		
was CO <sub>2</sub> encountered?	yes	<input checked="" type="checkbox"/> no at what depths? <u>10,161'</u>
was H <sub>2</sub> S encountered?	<input checked="" type="checkbox"/> yes	no at what depths? <u>10,161'</u>
Were unusual drilling circumstances encountered?	yes	<input checked="" type="checkbox"/> no
If yes, briefly explain below		

Other remarks:

640 Acres

X									

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


BOTTOM HOLE LOCATION FOR DIRECTIONAL HOLE

SEC	TWP	RGE	COUNTY
Spot Location			
1/4	1/4	1/4	1/4
Measured Total Depth	True Vertical Depth	BHL From Lease, Unit, or Property Line:	

BOTTOM HOLE LOCATION FOR HORIZONTAL HOLE: (LATERALS)

LATERAL #1

SEC	22	TWP	18N	RGE	17W	COUNTY	DEWEY
Spot Location	NW	1/4	NE	1/4	NW	1/4	NW
Depth of Deviation	11,044'		Radius of Turn	1,419		Direction	5.18
Measured Total Depth	17,013'		True Vertical Depth	11,463'		Total Length	4,550
BHL From Lease, Unit, or Property Line:		196'		FWL		669'	

LATERAL #2

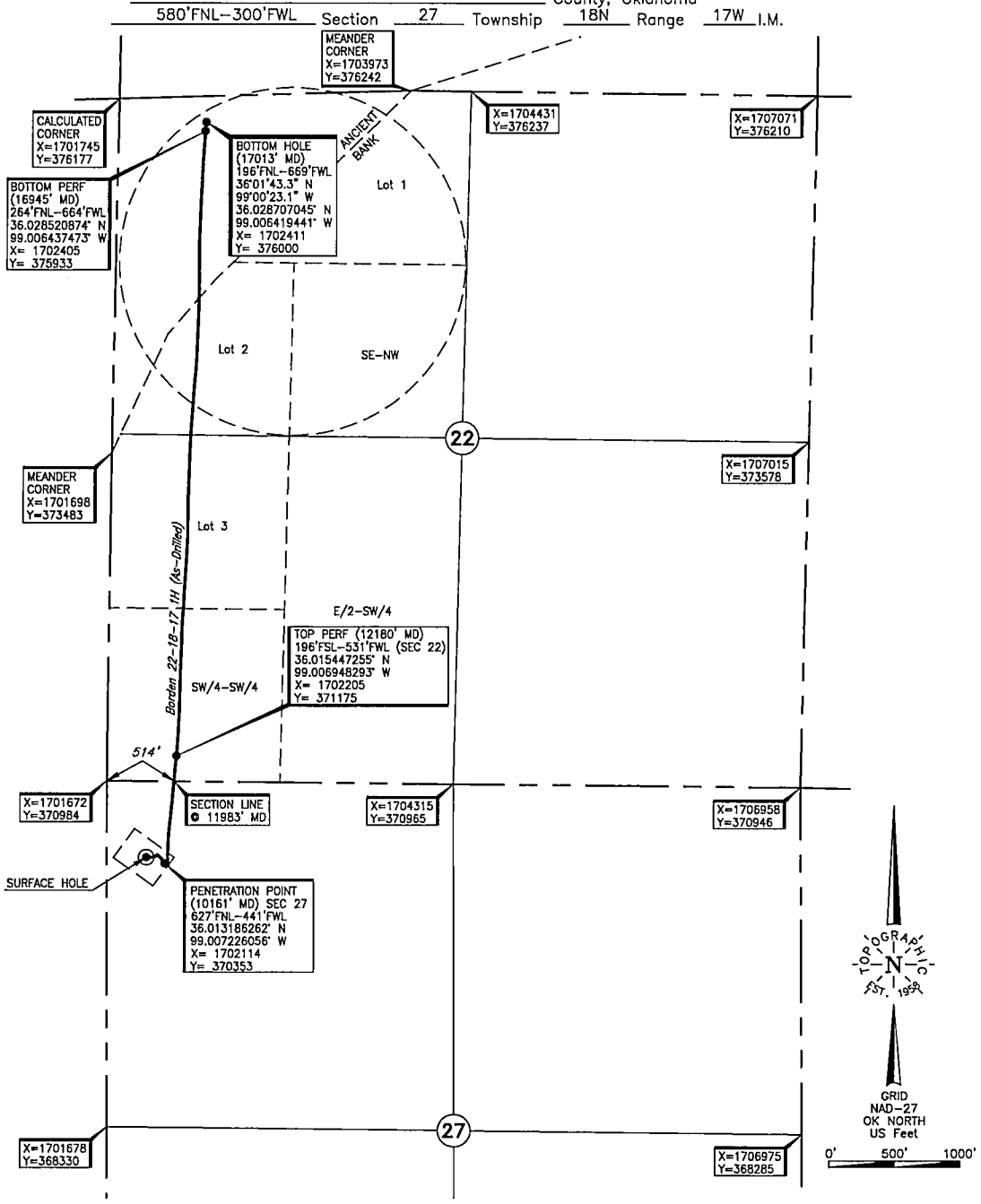
SEC	TWP	RGE	COUNTY
Spot Location			
1/4	1/4	1/4	1/4
Depth of Deviation	Radius of Turn		Direction
Measured Total Depth	True Vertical Depth		Total Length
BHL From Lease, Unit, or Property Line:			

LATERAL #3

SEC	TWP	RGE	COUNTY
Spot Location			
1/4	1/4	1/4	1/4
Depth of Deviation	Radius of Turn		Direction
Measured Total Depth	True Vertical Depth		Total Length
BHL From Lease, Unit, or Property Line:			

Image @ 1002A

**TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA**  
13800 WIRELESS WAY, OKLA. CITY, OKLA. 73134 \* LOCAL (405) 843-4847 \* OUT OF STATE (800) 654-3219  
Certificate of Authorization No. 1293 LS  
DEWEY



Operator: TAPSTONE ENERGY  
Lease Name: BORDEN 22-18-17 Well No.: 1H ELEVATION: 1769' Gr. at Stake  
Topography & Vegetation Loc. fell in rough rolling hills  
Good Drill Site? Yes Reference Stakes or Alternate Location Stakes Set None  
Best Accessibility to Location From SE off trail road  
Distance & Direction From Taloga, OK, go ±1.5 mi. South, then ± 2.5 mi. West to the NW Cor. of Sec. 27-T18N-R17W

(This information was gathered with a GPS receiver with ±1 foot Horiz./Vert. accuracy.)  
DATUM: NAD-27  
LAT: 36°00'47.9"N  
LONG: 99°00'27.7"W  
LAT: 36.013314147°N  
LONG: 99.007703406°W  
STATE PLANE  
COORDINATES: (US Feet)  
ZONE: OK NORTH  
X: 1701973  
Y: 370401

286699 Date of Drawing: Jan. 10, 2018  
Invoice # 281290 Date Staked: Aug. 8, 2017 JP

**FINAL AS-DRILLED PLAT**  
AS-DRILLED INFORMATION  
FURNISHED BY TAPSTONE ENERGY