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

API No.: 35153236320000

Drill Type:

OTC Prod. Unit No.: 153-224295

Completion Report

Spud Date: August 22, 2018

Drilling Finished Date: September 24, 2018 1st Prod Date: October 13, 2018 Completion Date: October 05, 2018

Purchaser/Measurer: PLAINS MARKETING

First Sales Date: 10/13/2018

Well Name: JOAN 23-20-20 1H

Location: WOODWARD 14 20N 20W NW NW SE SW 1000 FSL 1585 FWL of 1/4 SEC Latitude: 36.205715297 Longitude: -99.305078286 Derrick Elevation: 2182 Ground Elevation: 2166

Operator: TAPSTONE ENERGY LLC 23467

HORIZONTAL HOLE

100 E MAIN ST OKLAHOMA CITY, OK 73104-2509

	Completion Type	Location Exception	Increased Density
Х	Single Zone	Order No	Order No
	Multiple Zone	689757	There are no Increased Density records to display.
	Commingled		

				С	asing and Cen	nent				
٦	Гуре		Size	Weight	Grade	Fe	et	PSI	SAX	Top of CMT
SU	RFACE		9 5/8	36	J-55	15	03	850	465	SURFACE
PROE	DUCTION		7	26	L-80	121	75	2300	550	6270
					Liner					
Туре	Size	Weigh	t	Grade	Length	PSI	SAX	Тор	Depth	Bottom Depth
LINER	4 1/2	15.10		L-80	5836	0	0	1	1357	17193

Total Depth: 17193

Pac	cker	Plug				
Depth	Brand & Type	Depth	Plug Type			
11972	AS1-X	There are no Plug	records to display.			

				Initial Tes	t 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
Nov 10, 2018	MISSISSIPPIAN	180	53	7758	43100	1377	FLOWING	850	28/64	2216

	Co	ompletion and Test D	Data by Producing	Formation					
Formation Na	ame: MISSISSIPPIAN	Coc	le: 359MSSP	Class: GAS					
Spacing	Orders		Perforated	Intervals					
Order No		From	То						
682731	682731 640			There are no Perf. Intervals records to display.					
Acid Vo	lumes		Fracture T						
612 BBL 1	125,992	BBL OF FLUID &							
	I		٦						
Formation		Тор	Were open hole	e logs run? No					
UPPER MERAMEC		10696	Date last log ru						
MIDDLE MERAMEC		10821	Were unusual drilling circumstances encountered? No						
LOWER MERAMEC		11181							
UPPER OSAGE		11425	11425						
LOWER OSAGE	11782	11782							
Other Remarks	•								

OCC - THIS IS AN OPEN HOLE COMPLETION FROM THE BOTTOM OF THE 7" AT 12160' TO TERMINUS AT 17193', THE 4 1/2" LINER IS NOT CEMENTED.

Sec: 23 TWP: 20N RGE: 20W County: WOODWARD

SE SW SW SE

202 FSL 2137 FEL of 1/4 SEC

Depth of Deviation: 11435 Radius of Turn: 556 Direction: 172 Total Length: 4884

Measured Total Depth: 17193 True Vertical Depth: 11873 End Pt. Location From Release, Unit or Property Line: 202

FOR COMMISSION USE ONLY

Status: Accepted

1141344

TEST:	X	INITIAL
		ΔΝΝΠΔ

ANNUAL RETEST

OKLAHOMA CORPORATION COMMISSION

Oil & Gas Conservation Division

Post Office Box 52000

Oklahoma City, Oklahoma 73152-2000

RECEIVED

Form 1016 Rev. 2017

JAN 4 2019

1,19					LOOUNL	TEST FO	65:10-17-	-6	- /			Commis		6	
		n di Subada da gerala gerada gerada	an a ghain agus an		0.2			OF TEST:	<u> </u>	12/11/	2018	T	F 1 ST SAI		/24/2018
Operator				-	Tapston	e Energy	y, LLC					Operat	or #	234	67
Address				PO Box	x 1608				City	Oklah	oma City	ST (DK ZIF	P 7:	3101
E-mail	regula	atory@ta	pstonee	nergy.co	om	Ph 4	05-702	-1600	Fax			Well Name/#	JC	DAN 23-20	-20 1H 🗸
Gas Volume Reporter	E	NABLE C	BATHER	ING & F	PROCE	SSING		s Volume porter #		225	39	API #		153-23	332 /
Producing Zone					MISS	SISSIPPI/	AN 3	59 N	ISSF	2		OTC		153-224	295 - 04
Surface Location	1,000	FSL - 1,5 FWL	^{85'} NW	1/4 NW	1/4 SE	1/4 SW	1/4 Sec	c 14	Twp 2		Rge 20W	1000		2420	95 I
Zone Location (if different)	202' FS	L - 2,136'	FEL SE	1/4 SW	1/4 SW	1/4 SE	1/4 Sec	23	Twp 2		kge 20W	Allowar		/OODW	
Field					VICI	NORTH				la la		Spacing	g Size	(640
COMPLETIO	N:	XSingl	e	Mult	tiple Zone		Commin	igled	Re	comple	tion Da	ite of Con	npletion	10/	/05/18
Total Depth	and the second se	7,193'		Back Depth				Packer Set			1,956'	Elevation		2,166	
Csg Size	and the state of t	" Liner 7/8"	WT	15.1		3.8		Depth Se			- 17,193		12,	,160' - 1	7,193'
Prod. Thru	2-	TBG	WT	0.50 Temp. F) d 222	2.4	and the second	Depth Se Mean Gr	a farman and		979' 60	Perfs.	ss. PSIA		4.4
L 14677	н 14	677 G	.6120			@ %N ₂ .54	140// 12 H ₂ S	1		over		ter Run	X	Taps	Flange
- 11077	<u> </u>		.0120				12 1120	(ppm)		7461				Trahs	Flange
SHUT-IN I	DATA		PROVER	FI	LOW DATA	DIF	F		TUBI	NG DAT	CASI	IG DATA	ВНР	DATA	FLOW
PRESS	(HRS)	LINE	x	ORIFICE SIZE	PRES (PSIG		CHES)	TEMP (F)	PRESS (PSIG)	(F)	P PRESS (PSIG)	1	PRESS (PSIG)	1	(HRS)
1831	24	4.026		2.5	99		95	82	761	70		and the second second	- A	11111	24
	L	L		L		RATE OF	FLOW C	ALCULATI	ONS	l		an increased	L	ni na salashir ta	colors of the states
COEFFIC	IENT (24 H	IOUR)	√ h _w P _m	PR	ESSURE Pm	FLOW TE	EMP. FAC	TOR	GRAVITY F				ESS	RATE OF	Long-
	33.48		103.79	31 1	113.4		9795		1.27	Providence and the second		.0085	Y.	438	38)
Pr		TEMP. R	T _r		Z		Gas	/Liquid Hyd	Irocarbon	Ratio	ndre na La rise cata	79	.78	6	MCF/BBL
.1690		541.7	1.502	1	9832		API	Gravity of	iquid Hyd	rocarbor	S		60		Deg.
		finantianan panja ata fisian kuang na ana	1			I	Spe	cific Gravit arator Gas		71017	12	Specific Flowing I	Gravity	. .	648
	-						Critic	cal Isure	67	0.95	PSIA	Critical Pressure	TEQ H NGE H	669.	8 PSIA
° (184	15.4	(PSIA)	P _c ²	340)5.5		Critic Tem	cal iperature	36	0.62	R	Critical Tempera	ture	371.7	76 R
Pw		P _w ²	P _c ² -P _y	2											
775.4	6	601.25	2804.2	26											
P _c ²		1.	2144			Pc ²	n					P _c ²	n	5	176
[1] $P_c^2 - P_c$	2	a ting to a the design of the	exceed 5.26	3)	[2] P	² - P _w ²	- 1 5 0	1.17	95	WHAOF	=Q	$P_c^2 - P_w^2$			755
Calculated wellh	ead open f	low	5	176	,	MCFD @ 14	4.65		Angle of	Slope	1369.0.3	Slop	oe, n	.85	10
Remarks Oil	Produce	ed 55 BB	LS Wat	er Produ	uced 85	6 BBLS			2 . (21	130	,229	<u></u>	<u>11</u>	<u>Uqaži</u>	4 1 1
								3.	<u>ICNE)</u>	gynan.	<u></u>		<u>e capi</u>	<u>गरा त्रहाल</u>	
Approved by Co	mmission:	AL	Cond	ucted by:	Jeff Lan			Calculate			othlin	Checked	by:		

IF THE ALLOWABLE FOR THIS WELL HAS BEEN ADJUSTED BY COMMISSION ORDER, PLEASE GIVE THE ORDER NUMBER(S) IN ONE OR MORE OF THE CATEGORIES BELOW:

INCREASE	ED DENSITY		* · · · · · · · · · · · · · · · · · · ·
COMMING	SLING	MULTIPLE ZONE	
SEPARATI	E OR SPECIAL ALLOWABLE		
OTHER PE	ENALTY ORDER(S)*		
* FOR THE	ESE ORDER TYPES, PLEASE DESCRIBE ALLOW	ABLES AND/OR PENALTIES:	
which w	re that I have knowledge of the contents of this rep was prepared by me or under my supervision and o t and complete to the best of my knowledge and be	lirection, with the data and facts state	ation to make this report, d herein to be true, Manager
SIGNA	TURE DC, tew-		
SIGINA		TITLE	
0.0110	Thurmond-McGlothlin	12/14/18	580-256-9849
COMP			DUONE NO
		DATE	PHONE NO.
Pc Pw	SHUT-IN PRESSURE, PSIA (LENGTH OF SHUT STATIC COLUMN WELLHEAD PRESSURE COP PSIA (TO BE RECORDED AT END OF EACH FL	-IN MINIMUM OF 24 HOURS). RRESPONDING TO THE FLOWING	WELLHEAD PRESSURE,
	SHUT-IN PRESSURE, PSIA (LENGTH OF SHUT STATIC COLUMN WELLHEAD PRESSURE COP PSIA (TO BE RECORDED AT END OF EACH FL	-IN MINIMUM OF 24 HOURS). RRESPONDING TO THE FLOWING OW RATE.) THE VALUE OF Pw SH	WELLHEAD PRESSURE,
Pw	SHUT-IN PRESSURE, PSIA (LENGTH OF SHUT STATIC COLUMN WELLHEAD PRESSURE COP	T-IN MINIMUM OF 24 HOURS). RRESPONDING TO THE FLOWING LOW RATE.) THE VALUE OF Pw SH R = 1.000).	WELLHEAD PRESSURE, IOULD NOT EXCEED 90% OF Pc.
Pw Gg	SHUT-IN PRESSURE, PSIA (LENGTH OF SHUT STATIC COLUMN WELLHEAD PRESSURE COP PSIA (TO BE RECORDED AT END OF EACH FL SPECIFIC GRAVITY OF SEPARATOR GAS (AIR LENGTH OF THE FLOW STRING FROM THE M	T-IN MINIMUM OF 24 HOURS). RRESPONDING TO THE FLOWING OW RATE.) THE VALUE OF Pw SH R = 1.000). IDDLE OF THE PRODUCING FORM	WELLHEAD PRESSURE, IOULD NOT EXCEED 90% OF Pc.
Pw Gg L	SHUT-IN PRESSURE, PSIA (LENGTH OF SHUT STATIC COLUMN WELLHEAD PRESSURE COP PSIA (TO BE RECORDED AT END OF EACH FL SPECIFIC GRAVITY OF SEPARATOR GAS (AIR LENGTH OF THE FLOW STRING FROM THE M AT WELLHEAD, FEET. VERTICAL DEPTH CORRESPONDING TO L, FE	T-IN MINIMUM OF 24 HOURS). RRESPONDING TO THE FLOWING OW RATE.) THE VALUE OF Pw SH R = 1.000). IDDLE OF THE PRODUCING FORM	WELLHEAD PRESSURE, IOULD NOT EXCEED 90% OF Pc. ATION TO THE PRESSURE POINT
Pw Gg L H	SHUT-IN PRESSURE, PSIA (LENGTH OF SHUT STATIC COLUMN WELLHEAD PRESSURE COP PSIA (TO BE RECORDED AT END OF EACH FL SPECIFIC GRAVITY OF SEPARATOR GAS (AIR LENGTH OF THE FLOW STRING FROM THE M AT WELLHEAD, FEET. VERTICAL DEPTH CORRESPONDING TO L, FE 24 HOUR RATE OF FLOW, MCF/D.	T-IN MINIMUM OF 24 HOURS). RRESPONDING TO THE FLOWING OW RATE.) THE VALUE OF Pw SH R = 1.000). IDDLE OF THE PRODUCING FORM	WELLHEAD PRESSURE, IOULD NOT EXCEED 90% OF Pc.
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