As Drilled SCHEMATIC

University 9-28 West Unit #2H Well Name:

Formation: Devonian

County, St: Andrews, TX

2405' FNL & 400' FWL, Sec. 28, Blk 9, University Lands Survey SHL: BHL: 1101' FSL & 365' FWL, Sec. 33, Blk 9, University Lands Survey

API#: 42-003-47364

Spud: 8/4/2016 Rig Down: 9/16/2016 TD: 17,611'

9.2 - 9.7 ppg

Top Lnr Hanger @ 9908'

KOP @ 10,319'

KB: Completion Engineer: Mark Solari 25' **RKB**: 3195'

Jason L. Kincaid

Drilling Engineer:

1st Stage Cement w/1000 sx lead and 200 sx tail

2nd Stage Cement w/425 sx lead and 200 sx tail

Circ. 94 bbls to surf.

Circ. 34 bbls to surf.

7" Intermediate set @ 11079'



FORMATION TOPS	TVD	MD		DIRECTIONAL DETAILS							
Rustler			TARGET	MD	TVD	()°	AZM	N/S	E/W	VS	DLS
Yates	2,960		КОР								
San Andres	4,520		Landing Pt								
Base San Andres			TD Lateral								
Cloorfork	E E 1 2										

3170'

GL:

17,011			rates	2,960
			San Andres	4,520
			Base San Andres	
			Clearfork	5,513
			Wolfcamp	8,565
	4	Pre-set 20" cond @ 80'	Mississippian Shale	
			Mississippian Lime	
I7 1/2"			Woodford Shale	
pud Mud		I L	Devonian	10,564
		13 3/8" Surface @ 1686'	Target Depth	10,930
		Cmt w/ 1135 sx lead & 325 s	sx tail	
		Circ. 84 bbls to surf.	İ	
12 1/4"	\bowtie \bowtie \bowtie \bowtie	DV Tool @ 2738'		
Cut Brine				
9.2-10.0 ppg		Cmt Plug (400 sx) set at 5021'-5	5450' to sidotrack arou	and stuck sea
		Citil Flug (400 SX) Set at 3021 -3	1430 to sidetrack arou	na stack csg.
		9 5/8" Intermediate set @ 6740'		
		Cmt 1st Stg. w/ 2200 sx lead & 4	400 sx tail	
	i I I I	Circ. ? sx to surf		
		Cmt. 2nd Stg. w/ 1200 sx lead c	mt & 400 sx tail	
		Cint. Zild Otg. W 1200 0X load 0	mica 100 ox tan	
	\sim \sim \sim \sim \sim	DV Tool @ 6558'		
	ry i i r	27 1001 @ 0000		
	i I I I			
8 3/4"				
OBM				

CASING DETAIL										
	Conn	Size	Wt	Grade	*Burst*	Collapse	Start	End	Length	TD
Surface	BTC	13 3/8	54.5	J-55			0	1686	1686	1716
Intermediate	LTC	9 5/8	40	J-55			0	2738	2738	7140
Intermediate	LTC	9 5/8	40	J-55			2738	6740	4002	7140
Intermediate II	LTC	7	26	HCL-80			0	6558	6558	11109
Intermediate II	LTC	7	26	HCL-80			6558	11079	4521	11109
Production		4 1/2	11.6	P-110			9908	17611	7703	17611

Tubing Detail: As of: 11/01/16:

KB= 23'

286 jts 2-7/8" tbg

Rod Detail: As of: 11/01/16:

No rods in hole

Cement w/600 sx Circ. 30 bbls cmt. 4 1/2" Liner set @ 17611'

6 1/8" OBM

Perforated Interval: 11,126'-17,574'

9.0 - 9.2 ppg

TD Detail MD 17611' TVD 10930' Inc: 90°

Drilling Fluids Build Section Tool **Lateral Section Tool** Liner System Cement AFE No. Permit No. <u>API</u> Prepared By: C. Flanagan 815962 Cemented Trans-Tex 42-003-47364 Dynamic Date: 25-Nov-16