

12/18/2016 06:00 - 12/19/2016 06:00

Well Na	ame: Ul	NIVERSI"	TY 7-2	2730 N	09SA										керо	117
																DFS
Well Info																
^{API} 42-317-4059	18	l l	-	gal Location J L SVY			ision ERMIAN E	BASIN	DIVISION		Name RABERRY			Spud Date		
County				State	,			G	round Elevation					B Elevation (ft)		
MARTIN				TEXAS				2	,919			2	,919			
Job Summar Job Category	ry			Last Casing	a String			1.10	OB AFE AMOU	NT (Cost)		Ic	um Field	Est To Date (Cost)		
DRILLING				Last Gasin	goung				,142,900.00				2,069.			
Daily Ops S	ummary															
RIG UNIT 103		l l	/ellbore Na)riginal l			25	d Depth (ft, I	KB)		Prog	ress (ft)			Daily Field Est Tot 22.069.82	al (Cost)	
Weather			Hole Con			25	Drilling Ho	ours (hr)			Avg ROP (ft/hr)		,	me Log Da	ys (days)
CLOUDY							ŭ	. ,			, i	,		1.00	ŭ	, , , ,
Operations at Re WAIT ON DA	YLIGHT															
ON DAYLIGH	on rig do Ht	WN, RIG	DOWN	IN DER	RICK, LA	Y OVER D	DERRICK	, SPRE	EAD BACK	YARD,	MOVE QE	P CAMPS, S	ET IN	PITTS AND P	UMPS,	WAIT
Operations Next I		OF DERR	ICK AN	ID SUBS	S, SET IN	BACK YAI	RD									
Time Log																
Start Time	End Time						Sub	- Code	Unschd Type	Start De	enth (ft. KB)	End Depth (ft,	KB)		Com	
06:00 1								Sub - Code Type Start Depth (ft,					V // V T L N L T N	PRE JOB SAFE WITH RIG CRE AVEDA, RIG CRE WHEN TRUCKS TOP DRIVE TR. JP, RAISE CAT MEETING AND JNSTRING, MC TRAILERS AND MOVE OUT MU MUD PUMPS, S NEW LOCATIO	W,PJSM REW AN ACK, BF WALK, S L/D DES DVE QE RIG UF D TANK BET SAM	M WITH D QEP ED, L/D RIDLE SAFETY RRICK, P SAME, S AND ME ON
													L	OOSE AND M	SC EQI	
18:00	06:00	12.00	MOVE	FRIG	LOC		3				130.0	13		WAIT ON DAYL		
Head Count			7 1110 11		1200					<u> </u>	100.0		,0.0			
		npany				Туре			En	nployee Ty	pe	Coun	t	Reg Work Time (h	r) Tot V	/ork Time (hr)
Casing Strir	ngs													I Book Florid	1	
Cs	g Des	OD	(in)	Set Dep	th (ft, KB)	Top (f	t, KB)	F	Run Date	Dr	ift Min (in)	Wt/Len	(lb/ft)	Dens Fluid (lb/gal)	P Le	akOff (psi)
CONDUCTO					130.0											
SURFACE C					555.0											
INTERMEDIA					8,185.0											
PRODUCTIO	ON CASING				17,110.0											



12/19/2016 06:00 - 12/20/2016 06:00

																DFS
Well Info																
API	00			Legal Location			sion	DA OINL D	IV.//CION	Field N		,		Spud Date	Э	
42-317-405 County	98		S30-7	, U L SVY	, 027	PE	RMIAN E		und Elevation		BERRY		Original K	B Elevation	(ft)	
MARTIN				TEXAS				2,9		(11)			2,919	Lievation	(11)	
Job Summa	ary												,			
Job Category				Last Casin	-				3 AFE AMOUN					d Est To Da	te (Cost)	
DRILLING				CONDU	CTOR, 10	5.0ft, KB		2,1	42,900.00				245,01	1.31		
Daily Ops S	Summary		Wellbore	Nome		IEna	Depth (ft, I	ND)		Drograd	o (ft)			Doily Field	d Est Total (Coat
UNIT 103				al Hole		25		ND)		Progres	55 (II)			12,071.	,	Cost)
Weather			_	Condition			Drilling Ho	ours (hr)		<u> </u>	Avg ROP	(ft/hr)		1 , - : :		Log Days (days)
PARTLY CL															2.00	
Operations at R WAIT ON D																
Operations Sun SAFETY MI IN SAME		TH AVEI	DA, RIG	CREWS A	AND QEP,	REMOVE	DERRIG	CK F/SU	B, RIG DO	INA NWC	D UNST	ACK SUB, N	MOVE F	REMAINI	NG BAC	K YARD, SET
Operations Nex	t Report Period RIG UP OF	SUBS	AND BAG	CK YARD,	WAIT ON	DAYLIGH	НT									
Time Log				·												
Start Time	End Time	Dur (h	ır)	Activity	activity Code			- Code	Unschd Type	Start Dept	h (ft KB)	End Depth (f	t KB)		Coi	m
06:00	18:00		2.00 MC		LOC	0000	3	0000	Турс	Otart Dopt	130.0			SAFETY	MEETIN	
													F C C C C C C C C C C C C C C C C C C C	PERSON DERRICH REMOVE CENTER SUBS, M BACK YA DN NEW DN BACH TUBULAI JUNK TU TRAILER SET BOT	STEEL, OVE OU RD AND LOCATI (YARD, RS, PIPE BS, MO\	FLOOR, FLOOR, DISTS, PULL UNSTACK T REMAINING SET IN SAME ON, RIG UP MOVE ALL RACKS AND /E UNIT LIG UP SAME, BS AND
18:00	06:00	12	2.00 MC	VE RIG	LOC		3				130.0	1	130.0	NAIT ON	I DAYLIC	SHT
Head Coun	t / Man Hou															
	Coi	mpany				Туре			Em	ployee Type		Cou	ınt	Reg Wor	k Time (hr)	Tot Work Time (hr)
Casing Str	ings															
0	D		OD (:-)	Cat Dan	4F (# IZD)	T /4	KD)	Du	- Dete	Duift	Min (in)	\A/4/L ==	- /II- /f4\		Fluid	D.I. and Off (and)
CONDUCTO	Sg Des		OD (in)		th (ft, KB) 105.0	Top (ft		11/9/20	n Date	Dill	Min (in) 18.5	Wt/Ler	133.0		gal)	P LeakOff (psi)
SURFACE					555.0		20.0	1170720			10.0		100.0	,		
	IATE CASIN	ıG			8,185.0											
	ON CASING				17,110.0											
1 1/00/00/11	ON CASING	,			17,110.0											



12/21/2016 06:00 - 12/22/2016 06:00

Well Name: UNIVERSITY 7-2730 N 09SA

DFS

Report# 4

wen inio															
\рі 42-317-405	98			egal Location , U L SVY,	U27		ision ERMIAN E	BASIN DI	VISION	Field Na SPRA	ame BERRY		S	Spud Date	
County				State TEXAS		'			ind Elevation	(ft)		-		Elevation (ft)	
MARTIN Job Summ a	ary			TIENAS				2,9	19			2,91	,		
lob Category	•			Last Casing		44 IVD			AFE AMOUN	T (Cost)				st To Date (Cost)	
DRILLING Daily Ops S	Summarv			CONDUC	TOR, 105.0	π, κΒ		2,1	42,900.00			269,2	238.4	46	
RIG		T	Wellbore				d Depth (ft, K	(B)		Progress	s (ft)			Daily Field Est Tota	I (Cost)
JNIT 103 Weather			Origina THole 0	al Hole Condition		25	Drilling Ho	ours (hr)			Avg ROP (f	t/hr)		12,327.68 ICum Tin	ne Log Days (days)
CLOUDY								. ,			ů ,	,		4.00	0
Operations at R															
Operations Sun		TH OED A	WEDA	AND HAIT	DAICE A I	ECC /	ND DDEI	D DEDD	ICK SET I	INI DEMA	INIINIC V	ARD, STRING (ID (CONTINUE DI	C LID OF
YARD AND		II QEF, F	WEDA	AND UNIT,	RAISE A-L	EGS F	AND FREI	r DEKKI	ICK, SET	IN KEWA	IINIING 17	AND, STRING (JF, C	JONTINUE KI	G OF OF
	t Report Period		OD CE	OLID.											
	RIG UP ANI	DPREPF	OK SF	² 0D											
Time Log			$\overline{}$		_		Т.		Unschd				т		
Start Time 06:00	End Time 18:00	Dur (hr)	0 140	Activity VE RIG	LOC	е	Sub	- Code	Туре	Start Depth	105.0	End Depth (ft, KB)	100	C FETY MEETII	Com
00:00	18:00	12.0	IO IMO	VE RIG	LUC		3				105.0	105.0		'EDA, QEPAN	
													PE	RSONEL, INS	STALL BOP
														DISTS, REPLA NES IN SHEE'	VES, STAND A-
													LE	GS, RUN CAE	BLES IN
														RRICK AND F	READY TO OCK STAND W/
														OCKS AND R	
														RING UP DRI	,
														STALL DRAG AND GRASSI	LINK TRAYS, HOPPER AND
													AT	TACH TO SUE	B, CONTINUE
														G UP ON SUE ABLES THROL	
															ON BOARD ,
														T WIND WAL	
														ND SIDE OF S	UB,INSTALL RIG WATER,
													SE	T OPEN TOP	UNDER
														RYER SHAKEI .NK, STAND S	RS, SET FRAC
															SES TO FLOW
														NE MANIFOLD	·
18:00	06:00	12.0	O MO	VE RIG	LOC		3		1		105.0	105.0		AIT ON DAYL	VER AT 17:00
	t / Man Hou		io livio	VEIG	ILOC						103.0	100.0	1 4 4 7	AII ON DATE	GIII
	Con	npany				Туре			Emp	oloyee Type		Count		Reg Work Time (h	r) Tot Work Time (hr)
Casing Stri	ingo														
casing sur	iiigs													Dens Fluid	
CONDUCTO	sg Des	OI	0 (in) 20	Set Depth	(ft, KB) 105.0	Top (f		Rur 11/9/20	n Date	Drift N	Min (in) 18.54	Wt/Len (lb/ft	3.00	(lb/gal)	P LeakOff (psi)
SURFACE			20		555.0		25.0	11/3/20	10		10.04	13.	5.00		
	IATE CASIN	G			8,185.0										
PRODUCTI	ON CASING			1	7,110.0										



12/22/2016 06:00 - 12/23/2016 06:00

weiir	vame: U	NIVERS	II Y 7.	-2730 N 09	95A								DEC
Wall Infa													DFS
Well Info		[5	Surface L	egal Location		Divis	ion			Field Name		Spud Date	
42-317-405	98	(30-7	U L SVY, U	27	PEI	RMIAN E		IVISION	SPRABERRY			
County MARTIN				State TEXAS					ound Elevation 919	(ft)	Original 2,919	KB Elevation (ft)	
Job Summ	ary										,		
Job Category DRILLING				Last Casing Str	-	Oft KB			B AFE AMOUN 142,900.00	T (Cost)	Cum Fie 82.29	eld Est To Date (Cost)	
Daily Ops	Summary				J. 1, 1001	0.1., 1.12		<u> </u>	,000.00		02,20		
RIG UNIT 103		I .	Wellbore Origina			End 25.	Depth (ft, I	KB)		Progress (ft)		Daily Field Est Tot 12,755.82	al (Cost)
Weather				ondition		20.	Drilling Ho	ours (hr)		Avg ROP (ft/hr)	Cum Ti	me Log Days (days)
CLOUDY Operations at R	Penort Time											5.00	
WAIT ON D	AYLIGHT												
Operations Sur SAFFTY M	•	ISE DERE	ICK. F	RIG UP ON E	BACK YAI	RD. SUB	S AND D	FRRICK	(
Operations Nex	t Report Period												
	B UP, RIG IN	ISPECTIO	NS, SA	AFETY MEET	ING ANI	SPUD	WELL, I	RUN CA	SING				
Time Log	I				ı				Unschd				
Start Time	End Time	Dur (hr)		Activity	Co	de		- Code	Туре	Start Depth (ft, KB)	End Depth (ft, KB)		Com
06:00	18:00	12.0	0 RIG	UP/DOWN	LOC		4			105.0	105.0	SAFETY MEET AND QEP, PER	ING WITH UNIT
												PRE RAISE INF	
												READY DERRI	
												RUN POWER L	
												GRASSHOPPE AND TEST DRV	VKS, SPOOL ON
												DRILL LINE AN	·
												SAFETY MEET	ING, RAISE
													CROWN STAND
													EST FOR .5 HR, I DERRICK TO A
												-LEGS, BRIDLE	
												DOWN BLOCK	
													ME, SET IN AND
												RIG UP CATWA SHAKER BY-PA	
												OVERLOW TO	
													VE PIT PUMPS,
												FINISH RIG UP CONTROL EQU	
												TEST ROTATIO	
												CHOKE LINES,	· .
40:00	00:00	400	O DIO	LID/DOW/N	1.00		4			405.0	405.0	LINES	IOUT
18:00 Head Coun	06:00 t / Man Hou		U KIG	UP/DOWN	LUC		4			105.0	105.0	WAIT ON DAYL	JGH I
		mpany				Туре			Emp	oloyee Type	Count	Reg Work Time (h	nr) Tot Work Time (hr)
Casina Ctu	lu a a												
Casing Str	ings			1				1		Ι	Т	Dens Fluid	Τ
	Sg Des	00	(in)	Set Depth (f		Top (ft,			un Date	Drift Min (in)	Wt/Len (lb/ft)	(lb/gal)	P LeakOff (psi)
CONDUCTO SURFACE			20		105.0		25.0	11/9/20	716	18.5	133.	00	
	CASING NATE CASIN	ıc			555.0 185.0								
	ON CASING				110.0								
	211 0/101110			<u> '''</u>				<u> </u>					



12/23/2016 06:00 - 12/24/2016 06:00

Report# 6

Reg Work Time (hr) Tot Work Time (hr)

DFS

Well Name. UNIVERSITE 1-2/30 N 033A	Well Name:	UNIVERSITY 7-2730 N 09SA
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Well Info API 42-317-40598 County MARTIN Surface Legal Location S30-7, U L SVY, U27 Spud Date PERMIAN BASIN DIVISION SPRABERRY Ground Ele 2,919 Original 2,919 TEXAS Job Summary
Job Category
DRILLING Cum Field Est To Date (Cost) 133,229.95 JOB AFE AMOUNT (Cost) 2,142,900.00 Last Casing String CONDUCTOR, 105.0ft, KB Daily Ops Summary RIG UNIT 103 End Depth (ft, KB) 25.0 Daily Field Est Total (Cost) 50,936.51 Wellbore Name Original Hole Hole Condition Drilling Hours (hr) Avg ROP (ft/hr) Cum Time Log Days (days) PARTLY CLOUDY 6.00

CONTINUE RIG UP

SAFETY MEETING, RIG UP TRACK, AND TOP DRIVE, INSPECT TOP DRIVE, RUN REMAINING ELECTRICAL LINES AND CONTINUE RIG UP, SET CELLAR PUMPS AND RUN LINES,

Operations Next Report Period
FINISH RIG UP, RIG INSPECTIONS, SAFETY MEETING AND SPUD WELL, RUN CASING

LIMOL	KIG UP, KIG IN	NSPECTION.	S, SAFETY WEE	TING AND SPL	DD WELL, RUN CA	SING			
Time Lo	g								
Start Tim	e End Time	Dur (hr)	Activity	Code	Sub - Code	Unschd Type	Start Depth (ft, KB)	End Depth (ft, KB)	Com
06:00	06:30	0.50	RIG UP/DOWN	LOC	4		105.0	105.0	WAIT ON DAYLIGHT
06:30	06:00	23.50	RIG UP/DOWN	LOC	4		105.0	105.0	S/M, PICK UP AND HANG TD TRACK, CHANGE OUT SWIVEL PACKING, CHANGE OIL IN SWIVEL AND RIG UP SAME, HANG TD AND M/U TO SWIVEL, CHANGE HYDRAULIC AND GEAR OIL IN TD, HOOK UP SERVICE LOOP AND POWER UP TD ,UNIT MECHANIC INSPECTED AND RAN OUT TD, TQ SWIVEL TO TD, INSTALL S PIPE AND KELLY HOSE, TQ FLANGE SAME, INSTALL TQ BARS ON TD TRACK, M/U TD QUILL, INSTALL BAILS AND ELEVATORS, ADJUST SERVICE LOOP 4' FOR NEW HANGING CABLE AND INSTALL SOCK, HANG RIG TONGS, RIG UP BOP HANDLERS, INSTALL 4' MUD LINE MANIFOLD ON RIG FLOOR TQ FLANGES SAME, INSTALL ROTARY CHAIN, RIG UP MATHENA EQUIP, FILL PITTS AND CHECK FOR LEAKS, SET OUT BHA AND STRAP SAME, SET CELLAR PUMPS AND RIG UP LINES, TAKE SLIPS AND SAFETY VALVES TO RIG FLOOR

Head Count / Man Hours

Casing Strings													
Csg Des	OD (in)	Set Depth (ft, KB)	Top (ft, KB)	Run Date	Drift Min (in)	Wt/Len (lb/ft)	Dens Fluid (lb/gal)	P LeakOff (psi)					
CONDUCTOR	20	105.0	25.0	11/9/2016	18.54	133.00							
SURFACE CASING	13 3/8	533.0	-5.6			68.00							
INTERMEDIATE CASING		8,185.0											
PRODUCTION CASING		17 110 0											

Employee Type



12/24/2016 06:00 - 12/25/2016 06:00

Well	Name: UN	NIVERSIT	Y 7-2730 N 0	9SA							Report# 7
											DFS
Well Info		I a			In: · ·			Is		lo in	
API 42-317-40	598		rface Legal Location 30-7, ULSVY, U	127	Division PERMIAN I	BASIN DI	VISION	Field Name SPRABERRY		Spud Date	
County MARTIN		<u>, </u>	State TEXAS		'	Grou 2,9	ınd Elevation (ft)	Original 2,919	KB Elevation (ft)	
Job Summ	nary		TEXAS			2,3	13		2,919		
Job Category DRILLING			Last Casing S	tring CASING, 5	533 Oft KB		AFE AMOUNT 42,900.00	(Cost)	Cum Fie 216,99	eld Est To Date (Cost)	
Daily Ops	Summary		JOHN ACE	CASING, C)33.0II, ND	2,1	42,900.00		210,9	90.70	
RIG UNIT 103			ellbore Name riginal Hole		End Depth (ft, 533.0	KB)		Progress (ft) 428		Daily Field Est Tot 83,763.78	al (Cost)
Weather			Hole Condition		Drilling H	ours (hr)		Avg ROP	(ft/hr)	Cum Ti	me Log Days (days)
CLOUDY Operations at	Report Time				3.50			122.3		7.00	
CUT CASI											
FINISH RI	G UP, PRE S	PUD INSPE	ECTIONS, TEST	SURF LINE	S, SPUD WEL	L, TOOH	I, RUN CA	SING AND CEM	ENT		
	xt Report Period	WELLHEA	AD, N/U BOP'S TI	EST BOP'S	. P/U DRIFCTI	ONAL TO	OOLS, DRI	LL OUT. DRILL	AHFAD		
Time Log	. 10, 10 1==		,		, . , 0 2 20		2020, 2				
	End Time	D /b - \	A satistic.	Cod	Cub	Cada	Unschd	Chart Danth (ft ICD)	Fod Dooth (# ICD)		^
Start Time 06:00	09:00	Dur (hr) 3.00	Activity RIG UP/DOWN	LOC	4	- Code	Туре	Start Depth (ft, KB) 105.0	End Depth (ft, KB) 105.0	P/U BAILS, ELE	Com EVATORS, R/U
										FLOOR TO P/U SPUD INSPECT SAFETY MEET	TIONS AND
09:00	11:00		PU/LD BHA	TRP	1			105.0		S/M & P/U 17 1.	
11:00	14:00	3.00	MISCELLANE OUS	ОТН				105.0		CIR, CHECK CI SWIVEL PACKI CHANGE OUT SURFACE LINE TROUBLE SHO LINE IN PITS	NG LEAKING, SAME, TEST S 2000 PSI,
14:00	17:30	3.50	DRL SPUD SURFACE	DRL	8			105.0	533.0	ROTATE F/105	TO 533'
17:30	19:30	2.00	MISCELLANE OUS	ОТН				533.0	533.0	CONNECTION	TIME
19:30	20:30	1.00	CIRCULATE/C ONDITION	CIRC	1			533.0		CIR SWEEPS & GUMBO FROM	
20:30	22:00	1.50	TRIP	TRP	2			533.0		TOH F/13 3/8 C REAMER AND	BIT
22:00	23:00		RIG UP/DOWN CSG CREW		1			533.0		PJSM AND RIG	
23:00	02:30		RUN CASING	CSG	2			533.0		FILL AS NEEDE F/317-358. WAS BTM AND LAND THROUGHOUT	13 3/8" CASING, ED, WASH 1 JT SH LAST JT TO D, HIGH WINDS JOB
02:30	03:30		CIRCULATE/C ONDITION	CIRC	1			533.0		CASERS	DLE CLEAN, R/D
03:30	04:00		RIG UP/DOWN CEMENTERS		1			533.0		PJSM AND RIG CEMENTERS	
04:00 05:00	05:00 05:30		CEMENTING RIG UP/DOWN	CMT	1		1	533.0 533.0		CEMENT SURF	
			CEMENTERS							FLUSH SURFA	CE LINES
05:30	06:00		CUT CASING	CSG	6			533.0		CUT CASING A SAME	ND LAY OUT
Head Cou	nt / Man Hour	'S npany			Туре		Emp	loyee Type	Count	Reg Work Time (h	nr) Tot Work Time (hr)
	3011				71			, . , , .		.5 (1	(11)
Casing St	rings									Dens Fluid	
	Csg Des	OD (i	, , ,	. ,	Top (ft, KB)		Date	Drift Min (in)	Wt/Len (lb/ft)	(lb/gal)	P LeakOff (psi)
CONDUCT SURFACE INTERMED			20 3 3/8	105.0 533.0 3,185.0		11/9/20 ² 12/25/20		18.5	4 133. 68.		
	ION CASING			,110.0							



12/25/2016 06:00 - 12/26/2016 06:00

Report# 8

Well N	Name: U	NIVERSI7	ΓΥ 7-2730 N	09SA						rroportii o
										DFS 2.0
Well Info										
API 42-317-405	598		urface Legal Location 30-7, ULSVY		Division PERMIAN E	BASIN DIVISIO	-		Spud Date 12/24/2016	
County MARTIN			State TEXAS			Ground Eleva 2,919	ation (ft)	Original 2,919	KB Elevation (ft)	
Job Summ	ary							,,,		
Job Category DRILLING			Last Casin	g String CE CASING, 5	533 Oft KB	JOB AFE AM 2,142,900	OUNT (Cost)	Cum Fie 296,2	eld Est To Date (Cost)	
Daily Ops	Summary		JOON! A	or ordino, c	555.011, IND	2,142,500	7.00	250,2	04.00	
RIG UNIT 103	•		ellbore Name riginal Hole		End Depth (ft, I		Progress (ft) 167		Daily Field Est Tota 77,986.93	
Weather PARTLY Cl Operations at F			Hole Condition Good		Drilling Ho	ours (hr)	Avg ROF 334.0	(ft/hr)	Cum Ti 8.00	me Log Days (days)
ROTARY D										
DRILL, SUI	IT AND DRE RVEYS AND		S, INSTALL AN IONS RIG AND			E UP BOPS AI	ND TEST SAME, IN	STALL WEAR BU	SHING, ROTAR	Y AND SLIDE
•	kt Report Period ND SLIDE D	RILL, SUR	VEYS AND CC	NNECTIONS	, RIG AND TD	SERVICE				
Time Log										
Start Time	End Time	Dur (hr)	Activity	Code	e Sub	- Code Typ		End Depth (ft, KB)		Com
06:00	08:00		MISCELLÁNE OUS	ОТН			533.0		FLUSH CELLAF CLEAN GUMBO CENTER CSG, CUT ON CSG) F/CELLAR,
08:00	10:30	2.50	NU/TEST WELLHEAD	WHD	1		533.0	533.0	INSTALL WELL 600 PSI	HEAD & TEST
10:30	19:00	8.50	NU/ND BOP	ВОР	1		533.0	533.0	N/U BOP, TEST MANIFOLD, TD VALVES AND M	VALVES FLOOR
19:00	22:00	3.00	TEST BOP	ВОР	2		533.0	533.0	TEST BOP STA REQUIREMEN ^T 5000 HIGH, ANI AND 3500 HIGH	TS,(250 LOW, N TO 250 LOW
22:00	22:30	0.50	PRESSURE TEST CASING	EQT 3	1		533.0	533.0		TO 500 PSI FOR
22:30	00:00	1.50	MISCELLANE OUS	ОТН			533.0	533.0	FINISH RIG UP VAVLE AND FLO CENTER STAC READY RIG FLO	OW LINE, K, CLEAN AND
00:00	00:30	0.50	MISCELLANE OUS	ОТН			533.0	533.0	INSTALL WEAF	R BUSHING
00:30	03:30	3.00	PU/LD BHA	TRP	1		533.0	533.0	M/U DIRECTION SCRIBE ORIEN SAME,	
03:30	04:30	1.00	TRIP	TRP	2		533.0	533.0	M/U BIT AND TI DRILL COLLAR ROTATING HEA	S, INSTALL
04:30	05:00	0.50	DRILL CEMENT/EQ PMENT	DRL UI	4		533.0	533.0	DRILL OUT FLO	
05:00	05:30	0.50	DIRECTIONA DRILL	L DRL	2		533.0	700.0	DRILL F/ 533' T GPM, 30 RPM, 1 SLIDES=30'	O 700"=167', 650 36K WOB
05:30	06:00	0.50	SURVEY	SUR	1		700.0	700.0	l	CONNECTIONS
Head Cour	nt / Man Hou	rs								
	Cor	mpany			Туре		Employee Type	Count	Reg Work Time (h	nr) Tot Work Time (hr)
Casing Str	ings									
	Csg Des	OD ((in) Set Dep	th (ft, KB)	Top (ft, KB)	Run Date	Drift Min (in)	Wt/Len (lb/ft)	Dens Fluid (lb/gal)	P LeakOff (psi)
		iG	20 3 3/8	105.0 533.0 8,185.0 17,110.0		11/9/2016 12/25/2016	18.	54 133 68.	.00	



12/26/2016 06:00 - 12/27/2016 06:00

Report#9 Well Name: UNIVERSITY 7-2730 N 09SA **DFS 3.0** Well Info Surface Legal Location S30-7, U L SVY, U27 Spud Dat 42-317-40598 PERMIAN BASIN DIVISION SPRABERRY 12/24/2016 Original 2,919 MARTIN **TEXAS** 2,919 Job Summary Cum Field Est To Date (Cost) 355,827.81 JOB AFE AMOUNT 2,142,900.00 Job Category DRILLING SURFACE CASING, 533.0ft, KB **Daily Ops Summary** bore Name Daily Field Est Total (Cost) UNIT 103 Original Hole 3,301.0 2601 59,563.15 Avg ROP (ft/hr) Cum Time Log Days (days) Hole Condition na Hours (hr) **CLEAR** Good 16.50 Operations at Report Time ROTARY DRILLING ROTARY AND SLIDE DRILL, SURVEYS AND CONNECTIONS, RIG SERVICE AND TD INSPECTION, CLEAN OUT JUNK FROM UNDER VAVLE ON # 1 PUMP ROTARY AND SLIDE DRILL, SURVEYS AND CONNECTIONS, RIG AND TD SERVICE Time Log Unschd Type Start Time End Time Sub - Code Start Depth (ft, KB) End Depth (ft, KB) Code Activity
DIRECTIONAL 06:00 08:30 DRI 700.0 DRILL F/ 700' TO 984"=284', 800 DRILL GPM, 65 RPM, 40-45K WOB 3 SLIDES=30' 08:30 09:00 0.50 SURVEY SUR CONN & SURVEYS 984.0 984.0 09:00 09:30 0.50 MISCELLANE OTH 984.0 984.0 REMOVE ROTATING HEAD. P/U IBS, INSTALL ROTATING OUS 09:30 DIRECTIONAL DRILL F/ 984' TO 1276"=292', 10:30 1.00 DRL 984.0 1.276.0 2 DRILL 800 GPM, 65 RPM, 40-45K WOR 1 SLIDES=5' 1.276.0 CONN & SURVEYS 10:30 11:00 0.50 SURVEY SUR 1.276.0 1,276.0 RIG SERVICE TD INSPECTION 0.50 RIG SERVICE 11:00 11:30 RIG 1.276.0 11:30 14:00 2.50 DIRECTIONAL DRL 1,276.0 1.846.0 DRILL F/ 1276' TO 1846"=570', 800 GPM, 65 RPM, 40-45K DRILL WOB 3 SLIDES=24' SURVEYS AND CONNECTIONS 14:00 15:00 1.00 SURVEY SUR 1,846.0 1,846.0 0.50 RIG REPAIR RIG REMOVE RUBBER FROM 15:00 15:30 1.846.0 1.846.0 Fauin UNDER VAVLE ON #1 MUD ment Failure 15:30 21:30 DIRECTIONAL DRL 1,846.0 2,709.0 DRILL F/ 1846' TO 2709"=863', 6.00 **DRILL** 800 GPM, 65 RPM, 40-45K WOB 5 SLIDES=44' 2.00 SURVEY SUR 2,709.0 SURVEYS AND CONNECTIONS 21:30 23:30 2.709.0 2.709.0 RIG SERVICE AND TOP DRIVE 00.00 0.50 RIG SERVICE RIG 23:30 2.709.0 INSPECTION, RE CALIBRATE TOTCO WEIGHT INDICATOR DIRECTIONAL DRILL F/ 2709' TO 2813'=104', 00:00 01:00 1.00 DRL 2,709.0 2,813.0 DRILL 800 GPM, 65 RPM, 40-45K WOB 2 SLIDES=16' 01:00 01:30 0.50 RIG REPAIR RIG 2.813.0 GO THROUGH #1 MUD PUMP 2.813.0 2 Equip DUE TO PRESSURE LOSS, ment Failure FOUND JUNK UNDER VALVE 01:30 05:00 DIRECTIONAL DRL 2,813.0 DRILL F/ 2813' TO 3301'=488', 800 GPM, 65 RPM, 40-45K DRILL 0 SLIDES=00' 3,301.0 SURVEYS AND CONNECTIONS 05:00 06:00 1.00 SURVEY SUR 3,301.0 **Head Count / Man Hours** Employee Type Reg Work Time (hr) Tot Work Time (hr) Туре Count Casing Strings Dens Fluid Wt/Len (lb/ft) P LeakOff (psi) OD (in) Set Depth (ft, KB) Top (ft, KB) Drift Min (in) Run Date (lb/gal) CONDUCTOR 20 105.0 25.0 11/9/2016 18.54 133.00 SURFACE CASING 533.0 12/25/2016 13 3/8 -5.6 68.00 INTERMEDIATE CASING 8,185.0 PRODUCTION CASING 17,110.0



12/27/2016 06:00 - 12/28/2016 06:00

Report# 10

Well Name: UNIVERSITY 7-2730 N 09SA

DFS 4.0

API 42-317-40598 County MARTIN Job Summary Job Category											
MARTIN Job Summary Job Category			face Legal Location 0-7, U L SVY, U	I	Division PERMIAN E	BASIN DIV	/ISION	Field Name SPRABERRY		Spud Date 12/24/2016	
Job Summary Job Category			State TEXAS	<u>'</u>		Groun 2,91	d Elevation (ft)	Original 2,919	KB Elevation (ft)	
			1127010			2,01			2,010		
DRILLING			Last Casing S	tring CASING, 533.	Oft KB		FE AMOUNT 2,900.00	(Cost)	Cum Fie 431,8	eld Est To Date (Cost)	
Daily Ops Sumi	mary		JOON AGE	OAOIIVO, 333.	.ort, ND	2,17	2,300.00		+31,0	50.75	
RIG UNIT 103			llbore Name iginal Hole		End Depth (ft, k 4,627.0	(B)		Progress (ft) 1326		Daily Field Est Tota 76,022.94	al (Cost)
Weather PARLTY CLOUE	DY		Hole Condition		Drilling Ho	urs (hr)		Avg ROP (ft/hr)	,	me Log Days (days)
Operations at Report DRILLING INTE	Time										
Operations Summary		OL ID)	/EVO AND OON	NECTIONS D	0.050\#05	AND TO	INODEOT	"ION			
ROTARY AND S Operations Next Repo	ort Period			· · · · · · · · · · · · · · · · · · ·				ION,			
ROTARY AND S	SLIDE DRILL,	SURV	EYS AND CON	NECTIONS, RI	G AND TD	SERVICE					
Time Log				T			Unschd				
	d Time Dur		Activity	Code		- Code		Start Depth (ft, KB)	End Depth (ft, KB)		Com
06:00 14:0	00	8.00	DIRECTIONAL DRILL	DRL	2			3,301.0	4,026.0	DRILL F/ 33011 800 GPM, 65 RI WOB 5 SLIDES=53'	
14:00 15:0	00	1.00	SURVEY	SUR	1			4,026.0	4,026.0		CONNECTIONS
15:00 15:3	30		RIG SERVICE	RIG	1			4,026.0	4,026.0	RIG SERVICE T	D INSPECTION
15:30 19:0	00	3.50	DIRECTIONAL DRILL	DRL	2			4,026.0	,	DRILL F/4026' T 800 GPM, 65 RI WOB 3 SLIDES=50'	
19:00 19:3	30	0.50	SURVEY	SUR	1			4,217.0			CONNECTIONS
19:30 01:3	30	6.00	DIRECTIONAL DRILL	DRL	2			4,217.0		DRILL F/4217' T 800 GPM, 65 RI WOB 5 SLIDES=60'	
01:30 03:0	00	1.50	SURVEY	SUR	1			4,501.0	4,501.0		CONNECTIONS
03:00 03:3	30	0.50	RIG SERVICE	RIG	1			4,501.0	4,501.0	RIG SERVICE A	ND TOP DRIVE
03:30 05:3	30	2.00	DIRECTIONAL DRILL	DRL	2			4,501.0	,	DRILL F/4501' T 650 GPM, 50 RI WOB (REDUCI PARAMETERS ANDRES)	PM, 38-42K ED
05:30 06:0	00	0.50	SURVEY	SUR	1			4,627.0		·	CONNECTIONS
Head Count / M				<u> </u>						1	
	Company			Тур	oe		Emplo	руее Туре	Count	Reg Work Time (h	r) Tot Work Time (hr)
Casing Strings											
Csg De	s	OD (ii	n) Set Depth (ft, KB) To	p (ft, KB)	Run	Date	Drift Min (in)	Wt/Len (lb/ft)	Dens Fluid (lb/gal)	P LeakOff (psi)
CONDUCTOR			20	105.0	25.0	11/9/2016	6	18.54	1 133.	00	, and the second
SURFACE CASI INTERMEDIATE			3 3/8 3 5/8	533.0 3,180.0	-5.6 16.0	12/25/20	16		68. 40.		
	CASING	3		7,110.0	10.0				40.	00	



12/28/2016 06:00 - 12/29/2016 06:00

Report# 11

Well Name: UNIVERSITY 7-2730 N 09SA

DFS 5.0

Well Info													
api 42-317-405:	98			egal Location U L SVY, U	J27		vision ERMIAN I	BASIN	DIVISION	Field Name SPRABERRY		Spud Date 12/24/2016	
County MARTIN				State TEXAS					round Elevation ,919	(ft)	Original 2,919	KB Elevation (ft)	
Job Summa	ary			TILXAG				2	,919		2,919		
Job Category DRILLING				Last Casing S SURFACE		G 533 M	ft KB		OB AFE AMOUN ,142,900.00		Cum Fie 485,89	ld Est To Date (Cost)	
Daily Ops S	Summary			OURI AUL	· OAOIIV	<u>U, 000.01</u>	II, ND		, 142,300.00		1400,00	01.25	
RIG UNIT 103		I .	Vellbore N Original	l Hole			nd Depth (ft,			Progress (ft) 1581		Daily Field Est Total 54,046.54	
Weather PARLTY CL Operations at R			Good	ondition			Drilling H 21.00	ours (hr)		Avg ROP (75.3	(ft/hr)	11.00	e Log Days (days)
DRILLING I	NTERMEDI <i>A</i>	ATE											
Operations Sum ROTARY Al	^{nmary} ND SLIDE D	RILL, SUI	RVEYS	AND CON	NECTIC	NS, RIG	SERVIC	E AND	TD INSPEC	CTION,			
	t Report Period ND SLIDE D	RILL, SUF	RVEYS	AND CON	NECTIO	NS, RIG	AND TD	SERVI	CE				
Time Log													
Start Time	End Time	Dur (hr)		Activity		Code	Sub	- Code	Unschd Type	Start Depth (ft, KB)	End Depth (ft, KB)	Co	om
06:00	13:30		-	CTIONAL	DRL		2		.,,,,,	4,627.0	4,985.0	DIRECTIONAL D	RILL FROM
			DRIL	-L								4627' TO 4985' = FPH, 650 GPM, 5 WOB (REDUCE PARAMETERS F ANDRES)	50 RPM, 38-42K D
13:30	14:00		0 SUR		SUR		1			4,985.0	<i>'</i>	SURVEYS AND (
14:00	14:30	0.5	0 RIG	SERVICE	RIG		1			4,985.0	4,985.0	RIG SERVICE AN INSPECTION	ID TOP DRIVE
14:30	20:30	6.0	DIRE DRIL	ECTIONAL L	DRL		2			4,985.0	,	DIRECTIONAL D 4985' TO 5544' = FPH, 800 GPM, 6 45K WOB (RED PARAMETERS E 5066') WELL FL TO 30 BPH ON C	559' AT 93 65 RPM, 42 - JCED NDING AT .OWING AT 15
	21:30		0 SUR		SUR		1			5,544.0	,	SURVEYS AND (
21:30	22:00	0.5	0 RIG	SERVICE	RIG		1			5,544.0		RIG SERVICE AN INSPECTION	ID TOP DRIVE
22:00	05:30	7.5	0 DIRE DRIL	ECTIONAL L	DRL		2			5,544.0	6,208.0	DIRECTIONAL D 5544' TO 6208' = FPH, 800 GPM, 6 45K WOB; WEL 15 TO 30 BPH OI CONNECTIONS	664' AT 88.5 65 RPM, 42 - L FLOWING AT
05:30	06:00	0.5	0 SUR	VEY	SUR		1			6,208.0	6,208.0	SURVEYS AND (CONNECTIONS
Head Coun	t / Man Hour					.			-	T	1 2	I December 1 Tree (Le)	I To West Too (In)
	Con	mpany				Туре			Emp	ployee Type	Count	Reg Work Time (hr)	Tot Work Time (hr)
Casing Stri	ings												
CONDUCTO SURFACE O INTERMED		G	20 13 3/8 9 5/8		(ft, KB) 105.0 533.0 3,179.1 7,110.0	Тор (11/9/2 12/25/		Drift Min (in)	Wt/Len (lb/ft) 4 133. 68. 40.	00	P LeakOff (psi)



Well Info

Daily Partner Report

12/29/2016 06:00 - 12/30/2016 06:00

Report# 12

Well Name: UNIVERSITY 7-2730 N 09SA

DFS 6.0

ADI					Inches			Letter No		In. In.	
API 42-317-405	, , -		J27	Division PERMIAN B	ASIN DIVIS	ON	Field Name SPRABERRY		Spud Date 12/24/2016		
County		I	State			Ground E	evation (f	t)		KB Elevation (ft)	
MARTIN Job Summ	arv		TEXAS			2,919			2,919		
Job Category	iui y		Last Casing S			JOB AFE		(Cost)		ld Est To Date (Cost)	
DRILLING Daily Ops	Cummony		SURFACE	CASING, 53	33.0ft, KB	2,142,9	00.00		536,74	10.85	
RIG	Summary	V	/ellbore Name		End Depth (ft, K	(B)		Progress (ft)		Daily Field Est Tota	I (Cost)
UNIT 103 Weather		C	Original Hole Thole Condition		7,172.0	uro (br)		964	*/b*\	50,843.56	ne Log Days (days)
CLOUDY			Good		Drilling Ho 15.50	urs (nr)		Avg ROP (1 62.2	vnr)	12.00	le Log Days (days)
Operations at I	Report Time INTERMEDIA	\TE			•			•		•	
Operations Su	mmary		VEYS AND CON	NECTIONS -	DISPLACE TO	D BRINE MU	JD AT 6	6963', RIG REPA	IR - ATTEMPT TO	O REPLACE WA	SHPIPE
	xt Report Period	WHEN NE	W PARTS ARRI\	/E DOTABY	AND SLIDE F	ADILL CLIDA	/EV.C. A	ND CONNECTION	NE DIC AND T	D SERVICE	
	WASHPIPE	VVII IN INC	W PARIS ARKI	E. KUTAKT	AND SLIDE L	TRILL, SUR	EISA	IND CONNECTION	DNS, RIG AND T	D SERVICE	
Time Log			1	1		Lu	nschd				
Start Time	End Time	Dur (hr)	Activity	Code			уре	Start Depth (ft, KB)	End Depth (ft, KB)		om COM
06:00	10:00	4.00	DIRECTIONAL DRILL	DRL	2			6,208.0	,	DIRECTIONAL I 6208' TO 6588' = FPH, 800 GPM, WOB; WELL FL TO 15 bph ON 0	= 380' AT 95 65 RPM, 42-45 OWING AT 10
10:00	11:00		SURVEY	SUR	1			6,588.0	,	SURVEYS AND	
11:00	14:30	3.50	DRILL	DRL	2			6,588.0	, , ,	DIRECTIONAL E 6588' TO 6778' = FPH, 665 GPM, WOB; WELL FL TO 20 bph ON 0	= 190' AT 54.2 50 RPM, 42-45 .OWING AT 15
14:30	15:00	0.50	RIG SERVICE	RIG	1			6,778.0		RIG SERVICE A INSPECTION	ND TOP DRIVE
15:00	21:00	6.00	DIRECTIONAL DRILL	DRL	2			6,778.0	·	DIRECTIONAL I 6778' TO 7090' = FPH, 665 GPM, WOB, DISPLAC VIS SALT MUD (6963'. WELL FL BPH ON CONN	= 311' AT 52 50 RPM, 42-45 E TO 9.7+, 40 STARTING AT OWING AT 30
21:00	21:30		SURVEY	SUR	1			7,090.0	7,090.0	SURVEYS AND	CONNECTIONS
21:30	22:00	0.50	RIG SERVICE	RIG	1			7,090.0	,	RIG SERVICE A PUMPS FOR PF (AIRED MUD)	
22:00	00:00	2.00	DRILL	DRL	2			7,090.0	,	DIRECTIONAL I 7090' TO 7172' = 665 GPM, 50 RF WELL FLOWING ON CONNECTION	82' AT 41 FPH, PM, 42-45 WOB - AT 50 BPH
00:00	00:30		SURVEY	SUR	1			7,172.0	,	SURVEYS AND	
00:30	06:00		RIG REPAIR	RIG	2			7,172.0		CHANGE WASH TO GET REPLAY WASHPIPE TO SINTO SWIVAL), WASH PIPE 4 TO STILL UNABLE FIT ONTO SWIV WELL IN FOR FRECORD 170 PRESSURE. CIFON CEMENT HOWATER FLOW (MW FROM 9.7+BAR (WATER IN WL FROM 26 TO AFTER STARCHAND PH FROM	CMENT SCREW BACK REBUILD OLD MES AND TO GET IT TO AL. SHUT LOW AND SI CASING RCULATE WELL DSE AND IG 150 TO 200 DBSERVE GAINS. RAISE TO 10.0# WITH FLUX TAKING 0 40 EVEN I ADDITION
nead Cour	nt / Man Hour Com	rpany			Туре		Emple	oyee Type	Count	Reg Work Time (hi) Tot Work Time (hr)
Casing Str		. ,						, JI		1,5 1.2 1 (111	, , , , , , , , , , , , , , , , , , , ,
							Т			Dens Fluid	
CONDUCT		OD	20	105.0		Run Date 11/9/2016		Drift Min (in)			P LeakOff (psi)
SURFACE	CASING		3 3/8	533.0	-5.6	12/25/2016			68.	00	



12/29/2016 06:00 - 12/30/2016 06:00

Report# 12

DFS 6.0

Well Name: UNIVERSITY 7-2730 N 09SA

Casing Strings								
Csg Des	OD (in)	Set Depth (ft, KB)	Top (ft, KB)	Run Date	Drift Min (in)	Wt/Len (lb/ft)	Dens Fluid (lb/gal)	P LeakOff (psi)
INTERMEDIATE CASING	9 5/8	8,179.1	0.0			40.00		
PRODUCTION CASING		17,110.0						



Well Name: UNIVERSITY 7-2730 N 09SA

Daily Partner Report

12/30/2016 06:00 - 12/31/2016 06:00

13.00

40.00

Report# 13

DFS 7.0 Well Info API 42-317-40598 County Surface Legal Location S30-7, U L SVY, U27 Spud Date 12/24/2016 PERMIAN BASIN DIVISION SPRABERRY Ground Ele 2,919 Original 2,919 MARTIN TEXAS Job Summary Job Category DRILLING Cum Field Est To Date (Cost) 587,901.34 JOB AFE AMOUNT 2,142,900.00 Last Casing String
SURFACE CASING, 533.0ft, KB

Daily Ops Summary

17.00

End Depth (ft, KB) 7,851.0 Wellbore Name Daily Field Est Total (Cost) Progre 679 UNIT 103 51,160.49 Original Hole Hole Condition Drilling Hours (hr) Avg ROP (ft/hr) Cum Time Log Days (days)

PARLTY CLOUDY Good

DRILLING INTERMEDIATE

RIG REPAIR - REPAIR THREADS ON SWIVAL PACKING NUT, CHANGE O-RING ON GOOSENECK, ROTARY AND SLIDE DRILL WITH WATER FLOW, SURVEYS AND CONNECTIONS

INTERMEDIATE CASING

PRODUCTION CASING

ROTARY AND SLIDE DRILL TO 8199' TD, SWEEP AND CBU, WIPER TRIP TO 4000', CBU, TOH TO RUN CASING

Start Time	End Time	Dur (hr)	Activity	Code	Sub - Code	Unschd Type	Start Depth (ft, KB)	End Depth (ft, KB)	Com
06:00	10:30		RIG REPAIR	RIG	2	Туре	7,172.0		RIG REPAIR, TROUBLESHOOT ISSUE ON SWIVEL PACKING, FIX THREADS ON BOTTOM NUT OF PACKING HOUSING & SWIVEL, REPLACE O-RING ON S-PIPE & TEST TO 4500psi SICP 225psi CIRCULATE ON CHOKE HOLDING 100psi WATER FLOW 40-60bph. RAISE MW FROM 9.8+ TO 10.0#
10:30	15:30	5.00	DIRECTIONAL DRILL	DRL	2		7,172.0	7,439.0	DIRECTIONAL DRILL FROM 7172' TO 7439' = 267' AT 53 FPH, 750 GPM, 60 RPM, 42-45 WOB - WELL FLOWING WHILE DRILLING WITH 10.0# MW AT 45 BPH
15:30	16:00	0.50	SURVEY	SUR	1		7,439.0	7,439.0	SURVEYS AND CONNECTIONS
16:00	16:30	0.50	RIG SERVICE	RIG	1		7,439.0	7,439.0	RIG SERVICE AND TOP DRIVE INSPECTION; SICP ON RIG SERVICE 150 PSI
16:30	01:00	8.50	DIRECTIONAL DRILL	DRL	2		7,439.0	7,680.0	DIRECTIONAL DRILL FROM 7439' TO 7680' = 241' AT 28 FPH, 750 GPM, 60 RPM, 42-45 WOB - WELL FLOWING WHILE DRILLING WITH 10.0# MW AT 45 TO 60 BPH
01:00	01:30	0.50	SURVEY	SUR	1		7,680.0	7,680.0	SURVEYS AND CONNECTIONS
01:30	02:00	0.50	RIG SERVICE	RIG	1		7,680.0	7,680.0	RIG SERVICE AND TOP DRIVE INSPECTION
02:00	05:30	3.50	DIRECTIONAL DRILL	DRL	2		7,680.0	7,851.0	DIRECTIONAL DRILL FROM 7680' TO 7851' = 171' AT 49 FPH, 750 GPM, 60 RPM, 42-45 WOB - WELL FLOWING WHILE DRILLING WITH 10.0# MW AT 60 BPH
05:30	06:00	0.50	SURVEY	SUR	1		7.851.0	7.851.0	SURVEYS AND CONNECTIONS

Compan	у		Туре	Emp	ployee Type	Count	Reg Work Time (hr)	Tot Work Time (hr)
Casing Strings		<u>.</u>						
Csq Des	OD (in)	Set Depth (ft, KB)	Top (ft, KB)	Run Date	Drift Min (in)	Wt/Len (lb/ft)	Dens Fluid (lb/gal)	P LeakOff (psi)
CONDUCTOR	20	105.0	,	11/9/2016	18.54	,		(1 -)
SURFACE CASING	13 3/8	533.0	-5.6	12/25/2016		68.00		

0.0

8,179.1

17,110.0

9 5/8



12/31/2016 06:00 - 1/1/2017 06:00

Report# 14

Well Name: UNIVERSITY 7-2730 N 09SA

DFS 8.0

Well Info API Surface Legal Location Division Field Name Spud Date												
42-317-405	98			gal Location J L SVY, U	27		BASIN	DIVISION	SPRABERRY		12/24/2016	
County				State				Ground Elevation	(ft)		KB Elevation (ft)	
MARTIN Job Summa	arv			TEXAS				2,919		2,919		
Job Category	<i>y</i>			Last Casing St	•			JOB AFE AMOUN			eld Est To Date (Cost)	
DRILLING Daily Ops \$	Summary			SURFACE	CASING, 533	3.0ft, KB		2,142,900.00		646,0	55.98	
RIG	Janimary		ellbore Na			End Depth (ft	, KB)		Progress (ft)		Daily Field Est Tota	al (Cost)
UNIT 103 Weather		ļc	riginal l Hole Con			8,199.0	Hours (hr	<u> </u>	348 Avg ROP	(ft/hr)	58,154.64	ne Log Days (days)
PARLTY CL			Good			5.00		,	69.6	()	14.00	
Operations at R RUNNING 9	Report Time 9 5/8" CASIN	IG AT 500'										
Operations Sun		DILL TO 0	1001 TD	CWEED	AND COLL WI	IDED TOID	TO 45	001 CDLL CD		NI TO DUN CAC	INC. DIC LID CA	CINC CDEW
	ND SLIDE D 5/8 CASINO		יםו פפו	, SWEEP F	AND CBU, WI	IPER IRIP	10 450	00, CBU, SP	OT ECD PILL, TO	DH TO RUN CAS	ING, RIG UP CF	SING CREW
Operations Nex		DC CEME	NIT 101	T OTAGE (OL CIBC	CEME	NT OND OTA	GE, CLOSE DV	TOOL FLUCH B		
	CASING, CI				JPEN DV 10	OL, CIRC,	CEIVIE	NI ZND SIA	GE, CLOSE DV	TOOL, FLUSH B	OP, SET PACKO	rr,
Time Log												
		5 ")						Unschd	0	5 15 11 (6 155)		
Start Time 06:00	End Time 11:00	Dur (hr) 5.00		Activity CTIONAL	DRL	2	ıb - Code	Туре	Start Depth (ft, KB) 7,851.0	End Depth (ft, KB) 8.199.0	DIRECTIONAL	ORILL FROM
			DRILL	_					,	•	7851' TO 8199'	
											FPH, 750 GPM, WOB - WELL FI	60 RPM, 42-45 LOWING WHILE
											DRILLING WITH	
11:00	12:00	1.00	SURV	/EV	SUR	1			8.199.0	9 100 0	60 BPH SURVEYS AND	CONNECTIONS
12:00	14:30			ULATE/C	CIRC	1			8,199.0	,	PUMP 30bbl HIG	
12.00	1 1.00	2.00	ONDI						0,100.0	0,100.0	CIRCULATE 2 X	BOTTOMS UP,
											PUMP & SPOT ' MUD @ 3500'	100bbls 12.5
14:30	18:00	3.50	CONE	DITIONIN	TRP	15			8,199.0	8,199.0	WIPER TRIP TO	4500'
			G TRI	Р							TRIP OUT HOLE	
											VALVE CLOSED	
											CHARGER PUN	
18:00	21:30	3.50	CIRCI	ULATE/C	CIRC	1			8,199.0	8,199.0	PUMP 30 BBLS SWEEP, CIRCU	
			ONDI	11014							BOTTOMS UP,	
											OF 160 BBLS O ABOVE 3500' F	
											FLOW ECD ANI	-
											BBLS OF HI-VIS	
21:30	02:30	5.00	TRIP		TRP	2			8,199.0	8.199.0	TRIP OUT HOLE	
	0.2.00								3,1221	2,12313	PSI ON CASING	WITH KNIFE
											VALVE CLOSED CHARGER PUM	
											FLOWING AT 30	BPH AFTER
											CASING PRESS	SURE R BHA - SICP AT
											100 PSI WHEN	CLOSED
02:30	03:30		PU/LE		TRP	1			8,199.0	,	L/D 8" DRILLING	
03:30	04:00	0.50	OUS	ELLANE	ОТН				8,199.0	8,199.0	PULL WEAR BU	JSHING
04:00	05:30	1.50		JP/DOWN	CSG	1			8,199.0	8,199.0	PJSM, RIG UP (CASING CREW
25.00	22.22	0.50		CREW					0.400.0		AND CRT TOOL	
05:30	06:00	0.50	RUN	CASING	CSG	2			8,199.0	8,199.0	MAKE UP SHOE TEST FLOATS,	-
											CASING	
Head Count / Man Hours Company					т.	/pe		Em	ployee Type	Count	Reg Work Time (h	r) Tot Work Time (hr)
	001	прапу				,,,,,		2	ployee Type	Count	rtog Work Time (ii	Tot Work Time (III)
Casing Stri	ings			<u>'</u>								
С	sg Des	OD	(in)	Set Depth (f	t, KB) To	op (ft, KB)		Run Date	Drift Min (in)	Wt/Len (lb/ft)	Dens Fluid (lb/gal)	P LeakOff (psi)
CONDUCTO			20		105.0		0 11/9/		18.5			
SURFACE (3 3/8	0	533.0		12/2	5/2016			.00	
	IATE CASIN		9 5/8		,179.1 ,110.0	0.0	9			40	.00	
555011	2.1.3/10/1140			.,,	,							



1/1/2017 06:00 - 1/2/2017 06:00

Report# 15

Well Name: UNIVERSITY 7-2730 N 09SA

DFS 9.0

Well Info													
^{АРІ} 42-317-405	98			gal Location U L SVY, U	J27	Division PERMIAN I	BASIN	DIVISION	Field Name SPRABERR	Υ		Spud Date 12/24/2016	
County MARTIN				State TEXAS		'		round Elevation ,919	(ft)		iginal KB 919	Elevation (ft)	
Job Summa	ary			TEXAS			4	,919		Ζ,	313		
Job Category DRILLING				Last Casing S INTERME KB	-	NG, 8,179.1ft,		OB AFE AMOUN ,142,900.00	T (Cost)		m Field E 99,860.	Est To Date (Cost) 77	
Daily Ops S	Summary												
RIG UNIT 103			Vellbore N Original			End Depth (ft, 8,199.0	KB)		Progress (ft)			Daily Field Est Total of 53,804.79	(Cost)
Weather PARLTY CL	_OUDY		Hole Co Good			Drilling H	ours (hr)		Avg ROI	P (ft/hr)		Cum Time 15.00	Log Days (days)
Operations at R	teport Time E ABOVE D\	/ TOOL A	TED 19	ST STAGE									
Operations Sun	nmary CASING, CII				EMENT 1S	Γ STAGE, OPE	N DV	TOOL, CIRC	C, CEMENT 2NI) STAGE			
		AND CLOS	SE DV T	TOOL, FLU	ISH BOP, SI	ET PACKOFF,	DISCO	NNECT LIN	ES AND PREP	TO SKID, PU I	BOP AI	ND SKID TO UI	L 7-2730
Time Log													
Start Time	End Time	Dur (hr)		Activity	Code	s Sub	- Code	Unschd Type	Start Depth (ft, KB)	End Depth (ft, h	KB)	Co	m
06:00	19:00	13.0	0 RUN	CASING	CSG	2			8,199.C	8,19	L-i Pli W W. TH 82 CI 35 FII 35 W H2 AT EV	JN 196 JOINTS 80 LT&C CASIN CK UP DV TOO ELL FLOWING HILE RUNNING ASH CASING D HROUGH TIGH 22, 1248,1304 & RCULATE BOT 500' LL PIPE @ 822 500, 5000, 6000 HILE FILLING F 2S HIGH ALARN T SHAKER & RIV JACUATED, SE OCATION & SHO 54PPM OF H2S HAKERS TO PIT	IG TO 8179' L @ 2641' 30 TO 60BPH G CASING OWN T HOLE @ .2840 TOMS UP @ , 1248, 2641, , & 7000' PIPE @ 7000' MS WENT OFF G WAS CORP ON DWED , BYPASSED
19:00	21:00	2.0		CULATE/C ITION	CIRC	1			8,199.0	8,19	9.0 CI CA	RC CASING - F ASING CREW A EMENTERS	RIG DOWN
21:00	00:00	3.0	0 CEM	ENTING	СМТ	2			8,199.0	8,19	9.0 PJ AN 1S W SF LE OF DI OF BE	JSM, RIG UP CI ND TEST TO 40 BT STAGE OF 2 ATER SPACER PACER, 223 BB EAD CEMENT A F 14.8# TAIL CE SPLACED WIT	00 PSI, PUMP 0 BBLS OF AND 20 GEL LS OF 11.0# ND 55 BBLS :MENT H 240 BBLS .OWED BY 373
00:00	00:30	0.5	0 CEM	ENTING	СМТ	2			8,199.0	8,19	9.0 DF W	ROP BOMB OP ITH 700 PSI, C	EN DV TOOL RCULATE 20
00:30	06:00	5.5		CULATE/C ITION	CIRC	1			8,199.0	8,19	9.0 CI HO	BLS WITH HALI RCULATE CEM OLE AT 215 GF BLS BACK TO S	IENT OUT OF PM WITH +/- 50
Head Coun	t / Man Hou			1	•	_							l = ·
	Con	npany				Туре		Emp	oloyee Type	Count		Reg Work Time (hr)	Tot Work Time (hr)
Casing Stri	ings			1			1				1		
	sg Des	00	(in)	Set Depth		Top (ft, KB)		Run Date	Drift Min (in)	Wt/Len (I		Dens Fluid (lb/gal)	P LeakOff (psi)
		G	20 13 3/8 9 5/8		105.0 533.0 3,179.1 7,110.0	-5.6	11/9/2 12/25/ 1/1/20	/2016	18.	54	133.00 68.00 40.00		



1/2/2017 06:00 - 1/3/2017 06:00

Report# 16

Report# 10

Well Name: UNIVERSITY 7-2730 N 09SA

DFS 10.0

Well Info													
^{API} 42-317-40 5	598	I .		egal Location U L SVY, l	J27		sion RMIAN E			Field Name SPRABERRY		Spud Date 12/24/2016	
County MARTIN				State TEXAS				Gro 2,9	und Elevation 119	(ft)	Origina 2,919	KB Elevation (ft)	
Job Summ	ary										,		
Job Category DRILLING				Last Casing S INTERME KB		ASING, 8	,179.1ft,		3 AFE AMOUN 42,900.00			eld Est To Date (Cost) 07.23	
Daily Ops RIG	Summary	Lva	Vellbore N	Nama		IEnd	I Depth (ft, I	VD)		Progress (ft)		Daily Field Est Tota	ol (Coot)
UNIT 103			Driginal	Hole			99.0	ND)		0		34,046.40	ai (Cost)
Weather PARLTY C			Hole Co Good				Drilling Ho	ours (hr)		Avg ROP	(ft/hr)	Cum Ti 15.33	me Log Days (days)
Operations at F	Report Time FO SKID RIG	, RIG RELE	EASED	@14:00									
PJSM, PUN PREPAIR T	E & WAIT FO	SE CEMEN	IT JOB	B, FLUSH S		NSTALL F	PACKOF	F & TES	T TO 5000	Opsi, NIPPLE DOV	VN BOP, FLOW	LINE, INSTALL I	NIGHT CAP,
Time Log													
Time Log					Τ		Τ		Unschd				
Start Time 06:00	End Time 06:30	Dur (hr)	Our (hr) Activity Code 0.50 CIRCULATE/C CIRC ONDITION					- Code	Туре	Start Depth (ft, KB) 8,199.0	End Depth (ft, KB)	CIRCULATE & \	NAIT FOR 1st
00.00	00.30	0.30		DITION						6,199.0	6,199.0	STAGE CEMEN PJSM WITH HA FOR 2nd STAG	T TO SETUP
06:30	11:00	4.50	CEM	IENTING	CMT		2			8,199.0	8,199.0	CEMENT SECC HOLDING 85ps UNTIL LEAD CE PUMPED, BUM CLOSE DV TOO NO CEMENT TO FINIAL LIFT PR	i ON CHOKE EMENT WAS P PLUG & DL @ 2240psi,
11:00	12:00	1.00	NU/N	ND BOP	ВОР		1			8,199.0	8,199.0	FLUSH STACK, PACKOFF & TE	INSTALL ST TO 5000 PSI
12:00	13:00	1.00	NU/N	ND BOP	ВОР		1			8,199.0	8,199.0	NIPPLE DOWN LINE, INSTALL	
13:00	14:00	1.00	RIG	UP/DOWN	LOC		4			8,199.0	8,199.0	PREPAIR TO SH RELEASED @1	KID RIG, RIG
Head Cour	ıt / Man Hour	'S											
	Con	npany				Туре			Em	ployee Type	Count	Reg Work Time (h	r) Tot Work Time (hr)
Casing Str	inge												
										I	T	Dens Fluid	
CONDUCT	Osg Des	OD	(in) 20	Set Depth	(ft, KB) 105.0	Top (ft		11/9/20	n Date	Drift Min (in)	Wt/Len (lb/ft) 4 133	(lb/gal)	P LeakOff (psi)
SURFACE		1	13 3/8		533.0			12/25/2		10.5		.00	
	NATE CASIN		9 5/8	8	3,179.1			1/1/201				.00	
PRODUCT	ION CASING			17	7,110.0								



3/17/2017 11:00 - 3/18/2017 06:00

Report# 17

16.13

Reg Work Time (hr) Tot Work Time (hr)

DFS 11.0

Well Name: UNIVERSITY 7-2730 N 09SA

Well Info									
API	Surface L	egal Location	Division		Field Na	ame		Spud Date	
42-317-40598	S30-7,	U L SVY, U27	PERMIAN BASI	N DIVISION	SPRA	ABERRY		12/24/2016	
County		State		Ground Elevation (ft)			Original KE	B Elevation (ft)	
MARTIN	TEXAS			2,919			2,919		
Job Summary									
Job Category	Last Casing String			JOB AFE AMOUNT (Cost)		Cum Field	Est To Date (Cos	st)
DRILLING		INTERMEDIATE CASIN	G, 8,179.1ft,	4,285,800.00			1,053,77	71.44	
		KB							
Daily Ops Summary									
RIG	Wellbore Name		End Depth (ft, KB)		Progres	ss (ft)		Daily Field Est T	otal (Cost)
UNIT 103	Origina	Hole	8,199.0		0			29,004.61	
Weather	Hole C	ondition	Drilling Hours (h	nr)		Avg ROP (ft/hr)		Cum	Time Log Days (days)
la :									

RIG UNIT 103 Weather
PARTLY CLOUDY

Operations at Report Time TEST BOP'S

WALK RIG, RIG UP AFTER WALK, CHANGE OUT SWIVEL, N/U BOP'S, TEST SAME

Good

CUT DRILL LINE, P/U BHA, TIH TO DV TOOL, DRILL OUT, TIH TO FC, TEST CASING, DRILL OUT, DISPLACE TO OBM, DRILL TO KOP, CIRCULATE, DROP IGYRO AND TOOH

GYRUANI	DIOOH								
Time Log									
Start Time	End Time	Dur (hr)	Activity	Code	Sub - Code	Unschd Type	Start Depth (ft, KB)	End Depth (ft, KB)	Com
11:00	14:00	3.00	MOVE RIG	LOC	3		8,199.0	8,199.0	S/M, WALK RIG TO UL 7-2730 N 09SA
14:00	18:00	4.00	RIG UP/DOWN	LOC	4		8,199.0	8,199.0	R/U AFTER WALK, MUD LINES, CHOKE LINES, M/U FLOW LINE
18:00	00:00		RIG REPAIR	RIG	2	Rig Repair s	8,199.0	·	HANG BLOCKS, SLIP ON DRILL LINE, TAKE OFF KELLY HOSE, DISCONNECT TD F/ SWIVEL, SET IN SLIPS AND TIE BACK, CHANGE OUT SWIVEL, M/U TO TD AND PICK UP, INSTALL S-PIPE AND MODIFY BRACKET TO FIT, MAKE UP AND TORQUE KELLY HOSE, REDRESS TOP DRIVE WITH BAILS AND ELEVATORS
00:00	06:00	6.00	TEST BOP	ВОР	2		8,199.0	8,199.0	S/M, TEST RAMS, MUD LINES, CHOKE MANIFOLD, TD AND FLOOR VALVES TO 250 LO AND 5000 HI, TEST ANN TO 250 LO AND 3500 HI.

Head Count / Man Hours

Casing Strings													
Csg Des	OD (in)	Set Depth (ft, KB)	Top (ft, KB)	Run Date	Drift Min (in)	Wt/Len (lb/ft)	Dens Fluid (lb/gal)	P LeakOff (psi)					
CONDUCTOR	20	105.0	25.0	11/9/2016	18.54	133.00							
SURFACE CASING	13 3/8	533.0	-5.6	12/25/2016		68.00							
INTERMEDIATE CASING	9 5/8	8,179.1	25.8	1/1/2017		40.00							
PRODUCTION CASING		17,110.0											

Employee Type



3/18/2017 06:00 - 3/19/2017 06:00

Report# 18

Well Name: UNIVERSITY 7-2730 N 09SA

DFS 12.0

Well Info	PI Surface Legal Location Division Field Name Spud Date													
API 42-317-405	98			gal Location U L SVY, U	27	Division PERMIAN	BASII	N DIVISIO	N	Field Name SPRABERRY			Spud Date 12/24/2016	
County				State		1		Ground Ele					Elevation (ft)	
MARTIN Job Summa	arv			TEXAS				2,919			2,91	9		
Job Category	ai y			Last Casing St	ring			JOB AFE AI	MOUNT	(Cost)	Cum I	Field E	st To Date (Cost)	
DRILLING				INTERMED KB	DIATE CASIN	G, 8,179.1ft,		4,285,80	0.00		1,11	4,67	1.43	
Daily Ops	Summary	To a	/-III			IF. 15	IVD)			ID(6)			N. ''. F'. H. F. (T. ()	(0)
RIG UNIT 103			Vellbore N Original			End Depth (ft, 8,748.0	KB)			Progress (ft) 549			Daily Field Est Total 60,899.99	(Cost)
Weather PARTLY CL		<u>'</u>	Hole Co Good	ndition		Drilling H 8.00	lours (h	nr)		Avg ROP (68.6	ft/hr)		Cum Time 17.13	e Log Days (days)
Operations at R														
DRILL FLO	STING BOP'S AT EQUIPMI				LINES AND		TAC	K, M/U AN	ID TE	ST DIRECTIONA	AL TOOLS, TIH	, DR	ILL DV, TIH, TE	EST CASING,
		OR TRIP I	DROP (GYRO AND	TOOH FOR	CURVE AS	SEMI	BLY, CHA	NGE	OUT DIRECTION	NAL TOOLS, TI	H, D	IRECTIONAL [DRILL
Time Log														
Start Time	End Time	Dur (br)		Activity	Code	Cuth	- Code	Uns e Ty		Start Donth (ft. I/B)	End Depth (ft, KB)	Т	Co	
06:00	07:30	Dur (hr) 1.50	TEST	Activity BOP	BOP	2	- Coue	e iy	Je .	Start Depth (ft, KB) 8,199.0		0 00	ONT TEST BOP	
07:30	09:00	1.50) NU/N	ID BOP	BOP	1				8,199.0	8,199.0	0 R/	STERS U FLOW LINE,	
09:00	09:30	0.50	CUT		RIG	6			+	8,199.0	8,199.0		JT DRLG LINE	ENTER STACK
09:30	11:30	2.00	LINE) PU/L		TRP	1				8,199.0	8,199.0		U DIR TOOLS	& TEST, 100
11:30	16:00	4.50	TRIP		TRP	2				8,199.0	8,199.0	0 M/ TII	H TO DV TOOL	TS OF DP AND .@5534' P/U
16:00	17:00	1.00		ENT/EQUI	4				8,199.0	8,199.0		JTS DP RILL OUT DV T	OOL	
17:00	18:00	1.00	PMEI TRIP		2				8,199.0	8,199.0	TC	ONTINUE TRIP OP OF FLOAT (92'		
18:00	19:00	1.00		SSURE CASING	EQT	1				8,199.0	8,199.0	0 TE	-	500 PSI FOR 30
19:00	20:00	1.00		ENT/EQUI	DRL	4				8,199.0	8,209.0	R/	RLG OUT FLOA AT HOLE AND ? DLE	AT EUIPMENT, 10' OF NEW
20:00	21:00	1.00		ULATE/C ITION	CIRC	1				8,209.0	8,209.0		SPLACE TO O	BM
21:00	02:00	5.00		CTIONAL	DRL	2				8,209.0	8,526.0	82	RECTIONAL D 09' TO 8526=3 -65 RPM, 28-3	17', 500 GPM,
02:00	02:30	0.50	SUR	/FY	SUR	1			-	8,526.0	8 526 (0 51	IRVEYS AND C	CONNECTIONS
02:30	03:00			SERVICE	RIG	1				8,526.0		0 RI	G SERVICE AN	D TOP DRIVE
03:00	06:00	3.00	DIRE DRIL	CTIONAL	DRL	2				8,526.0	8,748.0	0 DI	SPECTION RECTIONAL D	RILL FROM 222', 500 GPM,
			Divie	_									RPM, 28-31K	
Head Coun	t / Man Hou	rs mpany			Т	ype		'	Empl	oyee Type	Count		Reg Work Time (hr)	Tot Work Time (hr
0												\perp T		
Casing Str	ings						1				T		Dens Fluid	
	Sg Des	OD	(in)	Set Depth (f		op (ft, KB)	4.4./6	Run Date		Drift Min (in)	Wt/Len (lb/fi		(lb/gal)	P LeakOff (psi)
SURFACE			20 13 3/8		105.0 533.0			9/2016 25/2016		18.54		3.00 8.00		
	TERMEDIATE CASING 9 5/8						1/1/2					0.00		
PRODUCTION CASING					,179.1 ,110.0	20.0	., .,	2017			·	0.00		
							•		•					



3/19/2017 06:00 - 3/20/2017 06:00

Report# 19

Well Name: UNIVERSITY 7-2730 N 09SA

DFS 13 0

																DFS 13.0
Well Info		Ie	rfood L	and Longtion			Division				Field Name			I Could Date		
42-317-40	598			egal Location U L SVY, U	27		Division PERMIAN	BASI	IN DIVIS	SION	Field Name SPRABERRY			Spud Date 12/24/2016		
County MARTIN		'		State TEXAS					Ground 8 2,919	Elevation ((ft)		Original 2,919	KB Elevation (ft)		
Job Sumn	nary			TEXAG					2,313				2,313			
Job Category DRILLING				Last Casing St INTERMED KB		CASINO	G, 8,179.1ft,	,	JOB AFE 4,285,8	800.00	T (Cost)			ld Est To Date (Cos 304.09	st)	
	Summary															
RIG UNIT 103			ellbore N riginal				End Depth (ft, 9,029.0	KB)			Progress (ft) 281			Daily Field Est T 70,132.66	otal (Cost)
Weather CLEAR		I	Hole Co Good				Drilling H	lours (I	hr)		Avg ROP	(ft/hr)		Cum 18.1		Log Days (days)
Operations at SLIDE DR	ILL BUILDING		Good				[8.00				[33.1			10.1	3	
								SEM	IBLY, CH	HANGE	OUT DIRECTIO	NAL TOOL	.S,, CH	IANGE OUT C	ATH	IEAD
Operations Ne	ext Report Period	<u> </u>						DRIV	/E INSP	ECTIO	N, CIRCULATE A	AND STAR	T TRIF	FOR LATER	AL A	ASSEMBLY
Time Log																
Start Time	End Time	Dur (hr)		Activity		Code	Sub	o - Cod		Jnschd Type	Start Depth (ft, KB)	End Depth	(ft, KB)		Cor	m
06:00	07:30	1.50	DIRE	JRVEY SUR		2				8,748.0	8,		DIRECTIONAL 8748' TO 8865 65 RPM, 28-3	5'=1	17', 500 GPM,	
07:30	08:00						1				8,865.0			SURVEYS & C		INECTIONS
08:00	08:30	0.50		CULATE/C	CIRC		1				8,865.0	8,	865.0	CIR BTM'S UF)	
08:30	09:00	0.50	SUR		SUR		1				8,865.0	8.	865.0	S/M & DROP	GYF	₹0
09:00	13:30		TRIP		2				8,865.0			TOH F/CURVE				
13:30	15:30	2.00	PU/L	D BHA	TRP		1				8,865.0	8,	865.0	C/O DIR TOOI	LS 8	TEST 100
15:30	16:00	0.50	RIG	SERVICE	RIG		1				8,865.0	8,	865.0	SPM 450 PSI RIG SERVICE CATHEAD	, W	ORK ON
16:00	18:30	2.50	RIG	REPAIR	RIG		2		m	quip ent ailure	8,865.0	8,	865.0	CHANGE OUT PRESSURE P		
18:30	22:30	4.00	TRIP)	TRP		2			allaro	8,865.0	8,		M/U BIT, PICK DP, TIH INSTA HEAD, WASH BOTTOM	LL I	ROTATING
22:30	00:30	2.00	DIRE DRIL	ECTIONAL L	DRL		2				8,865.0	8,	919.0	DRILL BUILDI F/8865'- TO 89 GPM, 15 RPM 2 SLIDES = 43	919' I, 22	=54', 475
00:30	01:00	0.50	RIG	SERVICE	RIG		1				8,919.0	8.		RIG SERVICE		D TOP DRIVE
											,	ĺ		INSPECTION		
01:00	01:30		SUR		SUR		1				8,919.0					ONNECTIONS
01:30	06:00	4.50	DRIL	ECTIONAL L	DRL		2				8,919.0	9,	029.0	DRILL BUILDI F/8919' TO 90 GPM, 15 RPM 3 SLIDES = 73	29'= I, 22	=110', 475
Head Cou	nt / Man Hou	ırs			l									002.020	_	
	Со	mpany				Ту	pe			Emp	oloyee Type	Co	unt	Reg Work Time	(hr)	Tot Work Time (hr)
Casing St	rinas															
		OD (i	in)	Cat Donth /	# KD)	To	on /ft I/D\		Run Da	to	Drift Min (in)	\M+/I a	en (lb/ft)	Dens Fluid		P LeakOff (psi)
CONDUC	Csg Des FOR	OD (i	20	Set Depth (105.0	10	op (ft, KB) 25.0	11/9	9/2016	te	18.5		133.	(lb/gal)		P LeakOii (psi)
SURFACE	CASING		3 3/8		533.0		-5.6	12/2	25/2016	;			68.			
	DIATE CASIN		9 5/8		,179.1		25.8	1/1/	/2017				40.	00		
PRODUCI	TION CASING	·		17	,110.0											



3/20/2017 06:00 - 3/21/2017 06:00

Report# 20

Well Name: UNIVERSITY 7-2730 N 09SA

DFS 14.0

Well Info																	
API		ISu	rface Le	gal Location		Divi	sion			Fi	ield Name			Spu	d Date		
42-317-40	598			Ŭ L SVY, U	127	PE	RMIAN I		N DIVISION		PRABERRY			12/	24/2016		
County MARTIN				State TEXAS					Ground Elevation 2,919	on (ft)			original k 2,919	KB Ele	vation (ft)		
Job Summ	nary			127010					2,010				,010				
Job Category	-			Last Casing S		. A OI NI O . O	470.46		JOB AFE AMOU		st)				To Date (Cost)		
DRILLING				INTERMEI KB	JIATEC	ASING, 8	3,179.1π,	'	4,285,800.0)0		1	,244,5	018.4	1 0		
Daily Ops	Summary																
RIG UNIT 103			ellbore N				Depth (ft, 583.0	KB)			rogress (ft)				y Field Est Total	(Cost)	
Weather			riginal Hole Co			19,5	Drilling H	lours (hr	r)	ြ	Avg ROP ((ft/hr)		J55,	214.37 Cum Tim	ne Log Days (days	.)
CLEAR			Good				19.00				29.2				19.13		
	ILLING BUILI	DING CURV	Έ														
FOR LATE	AND SLIDE D RALASSEMI		DING (CURVE, SL	JRVEYS	AND CC	NNECTI	IONS,	RIG SERV	ICE AI	ND TOP DRI	VE INSPEC	TION,	CIR	CULATE FO	or trip, trii	כ
TRIP FOR	xt Report Period LATERAL AS E INSPECTIO		ROTAF	RY AND SL	IDE DR	ILL IN LA	TERAL N	MAINT	TAINING WI	INDOV	VS, SURVEY	S AND CON	INEC	TION	IS, RIG SEF	RVICE AND	
Time Log																	
	Τ				Т		T		Unschd								
Start Time 06:00	End Time 12:00	Dur (hr)	DIDE	Activity		Code	Sub 2	- Code	Туре	Star	9,029.0	End Depth (ft		וופח	c L BUILDINC	om CLIDVE	
00.00	12.00	0.00		DIRECTIONAL DRL DRILL			2				9,029.0	9,2		F/902	29' TO 9204 I, 15 RPM, 2	'=175', 475	
															IDES =125		
12:00	13:30		SUR'				1				9,204.0	- ,			N & SURVE		
13:30	14:00	0.50	RIG :	SERVICE	RIG		1				9,204.0	9,2			SERVICE AI PECTION	ND TOP DRIV	Έ
14:00	23:30	9.50	DIRE DRIL	ECTIONAL L	DRL		2				9,204.0	9,4		F/920	L BUILDING 04' TO 9489 I, 15 RPM, 2	'=285', 475	
														9 SL	IDES =178	1	
23:30	01:30	2.00	SUR	VEY	SUR		1				9,489.0	9,4	89.0	SUR	VEYS AND	CONNECTIO	NS
01:30	02:00	0.50	RIG	SERVICE	RIG		1				9,489.0	9,4			SERVICE AI ECTION	ND TOP DRIV	Έ
02:00	05:30	3.50	DIRE	CTIONAL L	DRL		2				9,489.0	9,5		F/948	L BUILDING 89' TO 9583 PM, 22 K W	'=94', 475 GP	·Μ,
													;	3 SLI	IDES =47 '		
05:30	06:00		SUR	VEY	SUR		1				9,583.0	9,5	83.0	SUR	VEYS AND	CONNECTIO	NS
Head Cour	nt / Man Hou																
	Cor	mpany				Туре			E	mployee	Type	Cour	it	Reg	g Work Time (hr) Tot Work Time	e (hr)
Casing Str	rinas																
		00.		Out Double ((L. LCD.)	T //	L KD)		D D		Defeate (iv)	10/1/1	(11. (61)		Dens Fluid	D.L1.0% /	- "\
CONDUCT	Csg Des OD (in) Set Depth (ft, KB) NDUCTOR 20 105.0						t, KB) 25.0	11/9/	Run Date /2016		Drift Min (in)	Wt/Len	133.0	00	(lb/gal)	P LeakOff (ps	31)
SURFACE	SURFACE CASING 13 3/8 533.0						-5.6		5/2016				68.0				
INTERMED	NTERMEDIATE CASING 9 5/8 8,179.1						25.8	1/1/2	2017				40.0	00			
PRODUCT	TON CASING	3		17	,110.0												



3/21/2017 06:00 - 3/22/2017 06:00

Report# 21

Reg Work Time (hr) Tot Work Time (hr)

DFS 15.0

Well Name: UNIVERSITY 7-2730 N 09SA

Well Info Surface Legal Location S30-7, U L SVY, U27 Spud Date 12/24/2016 42-317-40598 PERMIAN BASIN DIVISION SPRABERRY Ground El 2,919 Original 2,919 MARTIN TEXAS Job Summary
Job Category
DRILLING

Cum Field Est To Da 1,314,516.92 Last Casing String INTERMEDIATE CASING, 8,179.1ft, JOB AFE AMOUNT 4,285,800.00

Daily Ops Summary

Progress (ft) 574 Wellbore Name
Original Hole
Hole Condition Daily Field Es 69,956.45 End Depth (ft, 10,157.0 UNIT 103 Avg ROP (ft/hr) 54.7 10.50 20.13 CLEAR Good

ROTARY DRILLING IN LATERAL

ROTARY AND SLIDE DRILL BUILDING CURVE, SURVEYS AND CONNECTIONS, CIRCULATE, TRIP FOR LATERAL ASSEMBLY, ROTARY AND SLIDE DRILL MAINTAINING WINDOWS, SURVEYS AND CONNECTIONS, RIG SERVICE AND TOP DRIVE INSPECTION

Operations Next Report Period

ROTARY AND SLIDE DRILL MAINTAINING WINDOWS, SURVEYS AND CONNECTIONS, RIG SERVICE AND TOP DRIVE INSPECTION

Time	1
ume	1 00

						Unschd			
Start Time	End Time	Dur (hr)	Activity	Code	Sub - Code	Туре	Start Depth (ft, KB)	End Depth (ft, KB)	Com
06:00	11:00	5.00	DIRECTIONAL DRILL	DRL	2		9,583.0	9,773.0	DRILL BUILDING CURVE F/9583' TO 9773'=190', 500 GPM, 15 RPM, 22 K WOB
									6 SLIDES = 70'
11:00	12:30	1.50	SURVEY	SUR	1		9,773.0	9,773.0	CONNECTIONS & SURVEYS
12:30	13:00	0.50	CIRCULATE/C ONDITION	CIRC	1		9,773.0	9,773.0	CIRCULATE BOTTOMS UP
13:00	17:00	4.00	TRIP	TRP	2		9,773.0	9,773.0	PUMP SLUG AND TRIP OUT OF HOLE FOR LATERAL ASSY
17:00	18:30	1.50	PU/LD BHA	TRP	1		9,773.0	9,773.0	CHANGE OUT DIRECTIONAL TOOLS, SCRIBE AND TEST SAME, 315 PSI AT 100 SPM
18:30	22:30	4.00	TRIP	TRP	2		9,773.0	9,773.0	TRIP IN HOLE WITH LATERAL ASSEMBLY, FILLING EVERY 30 STANDS,INSTALLED ROTATING HEAD (PICKED UP AND PRESSURE TESTED AGITATOR 115 PSI DROP)
22:30	23:00	0.50	DIRECTIONAL DRILL	DRL	2		9,773.0	9,809.0	DIRECTIONAL DRILL FROM 9773' TO 9809'=36' 500 GPM, 40 RPM, 25K WOB
23:00	23:30	0.50	RIG SERVICE	RIG	1		9,809.0	9,809.0	RIG SERVICE AND TOP DRIVE INSPECTION
23:30	01:00	1.50	DIRECTIONAL DRILL	DRL	2		9,809.0	9,904.0	DIRECTIONAL DRILL FROM 9809' TO 9904'=95' 500 GPM, 40-60 RPM, 25K WOB
01:00	01:30	0.50	MISCELLANE OUS	ОТН			9,904.0	9,904.0	CHANGE OUT LEAKING ROTATING HEAD ASSEMBLY
01:30	05:00	3.50	DIRECTIONAL DRILL	DRL	2		9,904.0	10,157.0	DIRECTIONAL DRILL FROM 9904' TO 10157'=253' 500 GPM, 60 RPM, 25-28K WOB 2 SLIDES=18'
05:00	06:00	1.00	SURVEY	SUR	1		10.157.0	10.157.0	SURVEYS AND CONNECTIONS
00.00	00.00	1.00	CONVE	1001			10,107.0	10,107.0	CONTRACTOR CONTRACTOR

Head	Count /	Man	Hours	

Casing Strings										
Csg Des	OD (in)	Set Depth (ft, KB)	Top (ft, KB)	Run Date	Drift Min (in)	Wt/Len (lb/ft)	Dens Fluid (lb/gal)	P LeakOff (psi)		
CONDUCTOR	20	105.0	25.0	11/9/2016	18.54	133.00				
SURFACE CASING	13 3/8	533.0	-5.6	12/25/2016		68.00				
INTERMEDIATE CASING	9 5/8	8,179.1	25.8	1/1/2017		40.00				
PRODUCTION CASING		17,110.0								

Туре

Employee Type



3/22/2017 06:00 - 3/23/2017 06:00

Report# 22

Well Name: UNIVERSITY 7-2730 N 09SA

DFS 16.0 Well Info Surface Legal Location S30-7, U L SVY, U27 Spud Dat 42-317-40598 PERMIAN BASIN DIVISION SPRABERRY 12/24/2016 Ground El 2,919 Original 2,919 MARTIN **TEXAS** Job Summary Cum Field Est To D 1,393,298.12 Job Category DRILLING Last Casing String INTERMEDIATE CASING, 8,179.1ft, JOB AFE AMOUN 4,285,800.00 Daily Ops Summary Daily Field Est 78,781.20 End Depth (1 11,486.0 Progres 1329 UNIT 103 Original Hole Avg RC 69.9 21.13 19.00 Blowing dust Good ROTARY DRILLING IN LATERAL ROTARY AND SLIDE DRILL MAINTAINING WINDOWS , SURVEYS AND CONNECTIONS, RIG SERVICE AND TOP DRIVE INSPECTION ROTARY AND SLIDE DRILL MAINTAINING WINDOWS, SURVEYS AND CONNECTIONS, RIG SERVICE AND TOP DRIVE INSPECTION Time Log Unschd Type Start Time End Time Sub - Code Start Depth (ft, KB) Dur (hr) End Depth (ft, KB) pth (ft, KB) Com 10,421.0 DIRECTIONAL DRILL FROM (hr) Activity 4.00 DIRECTIONAL 06:00 10.00 DRI 10.157.0 10,157' TO 10,421', = 264' @ 66' FPH, WOB-26/28K, TDRPM-68, DRILL DHRPM-154, GPM-550, DIFF-270/400, TQ-9000/10400 11:00 1.00 SURVEY SURVEYS & CONNECTIONS 10:00 SUR 10.421.0 10.421.0 11:00 11:30 0.50 RIG SERVICE RIG 10,421.0 10,421.0 RIG SERVICE AND TOP DRIVE INSPECTION 11:30 17:00 5.50 DIRECTIONAL DRL 10,421.0 10,758.0 DIRECTIONAL DRILL FROM 10,421' TO 10,758', = 337' @ 61.27' FPH, WOB-26/28K, **DRILL** TDRPM-68, DHRPM-154, GPM-550, DIFF-270/400, TQ-9000/10400 1.00 SURVEY 10,758.0 SURVEYS & CONNECTIONS 17:00 18:00 10.758.0 SUR 9.50 DIRECTIONAL 11,486.0 DIRECTIONAL DRILL FROM DRI 10.758.0 18:00 03:30 2 10,758' TO 11,486', = 728' @ 76.63' FPH, WOB-26/28K, TDRPM-65, DHRPM-151, GPM-DRILL 550, DIFF-270/400, TQ-9000/11400 SLIDES, 49 FT, 2 HRS RIG SERVICE AND TOP DRIVE 03:30 04:00 0.50 RIG SERVICE RIG 11.486.0 11,486.0 INSPECTION SUR 04:00 2.00 SURVEY SURVEYS & CONNECTIONS 06:00 11,486.0 11.486.0 Head Count / Man Hours

-	 -	 	-	
				Compan

Casing Strings

Csq Des	OD (in)	Set Depth (ft, KB)	Top (ft, KB)	Run Date	Drift Min (in)	Wt/Len (lb/ft)	Dens Fluid (lb/gal)	P LeakOff (psi)
CONDUCTOR	20	105.0	25.0	11/9/2016	18.54	133.00	, ,	, , , , , , , , , , , , , , , , , , ,
SURFACE CASING	13 3/8	533.0	-5.6	12/25/2016		68.00		
INTERMEDIATE CASING	9 5/8	8,179.1	25.8	1/1/2017		40.00		
PRODUCTION CASING	5 1/2	17,110.0	-381.5			20.00		

Employee Type

Count

Reg Work Time (hr) Tot Work Time (hr)



3/23/2017 06:00 - 3/24/2017 06:00

Report# 23

Reg Work Time (hr) Tot Work Time (hr)

DFS 17.0

Well Name: UNIVERSITY 7-2730 N 09SA

Well Info								
API	Surface Le	gal Location	Division		Field Name		Spud Date	
42-317-40598	S30-7,	U L SVY, U27	PERMIAN BASII	N DIVISION	SPRABERRY		12/24/2016	
County		State		Ground Elevation (ft)		Original K	3 Elevation (ft)	
MARTIN		TEXAS		2,919		2,919	2,919	
Job Summary								
Job Category		Last Casing String		JOB AFE AMOUNT (C	Cost)	Cum Field	Est To Date (Cost)	
DRILLING		INTERMEDIATE CASING, 8,179.1ft,		4,285,800.00		1.458.015.92		
		KB		, ,				

Daily Ops Summary

Wellbore Name Original Hole Hole Condition End Depth (12,654.0 Daily Field Es 64,381.34 RIG UNIT 103 Progres 1168 Avg ROP 66.7 22.13 17.50 Blowing dust Good

Operations at Report Time ROTARY DRILLING IN LATERAL

ROTARY AND SLIDE DRILL MAINTAINING WINDOWS, CHANGE OUT SWIVEL PACKING, SURVEYS AND CONNECTIONS, RIG SERVICE AND TOP DRIVE INSPECTION

ROTARY AND SLIDE DRILL MAINTAINING WINDOWS, SURVEYS AND CONNECTIONS, RIG SERVICE AND TOP DRIVE INSPECTION

T:	Log
ume	1 00

Time Log									
Start Time	End Time	Dur (hr)	Activity	Code	Sub - Code	Unschd Type	Start Depth (ft, KB)	End Depth (ft, KB)	Com
06:00	08:30		DIRECTIONAL DRILL	DRL	2		11,486.0	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	DIRECTIONAL DRILL FROM 11,486' TO 11,650', = 164' @ 65.6' FPH, WOB-28/30K, TDRPM-65, DHRPM-154, GPM- 550, DIFF-270/400, TQ- 9000/11400 1 SLIDE, 10 FT, 0.5 HRS
08:30	09:00	0.50	SURVEY	SUR	1		11,650.0	,	SURVEYS & CONNECTIONS
09:00	11:00	2.00	RIG REPAIR	RIG	2	Equip ment Failure	11,650.0	11,650.0	PULL 2 STANDS, RIG UP CIRCULATION EQUIPMENT, CIRCULATE WITH RIG & CHANGE OUT SWIVEL PACKING
11:00	13:00	2.00	DIRECTIONAL DRILL	DRL	2		11,650.0	11,802.0	DIRECTIONAL DRILL FROM 11,650' TO 11,802', = 152' @ 76' FPH, WOB-28/30K, TDRPM-65, DHRPM-154, GPM-550, DIFF- 270/400, TQ-9000/11400
13:00	13:30	0.50	CIRCULATE/C ONDITION	CIRC	1		11,802.0	11,802.0	CIRCULATE 2 40BBL SWEEPS AND RECIPROCATE PIPE FOR CLEAN UP CYCLE
13:30	16:30	3.00	DIRECTIONAL DRILL	DRL	2		11,802.0	12,085.0	DIRECTIONAL DRILL FROM 11,802' TO 12,085', = 283' @ 94.33' FPH, WOB-28/30K, TDRPM-65, DHRPM-154, GPM- 550, DIFF-270/400, TQ- 9000/11400 1 SLIDE, 15 FT, 0.5 HRS
16:30	17:00	0.50	RIG SERVICE	RIG	1		12,085.0	12,085.0	RIG SERVICE AND TOP DRIVE INSPECTION
17:00	18:00	1.00	SURVEY	SUR	1		12,085.0	12,085.0	SURVEYS & CONNECTIONS
18:00	04:00	10.00	DIRECTIONAL DRILL	DRL	2		12,085.0	12,654.0	DIRECTIONAL DRILL FROM 12,085' TO 12,654', = 569' @ 56.9' FPH, WOB-28/30K, TDRPM-65, DHRPM-154, GPM- 550, DIFF-270/400, TQ- 9000/13,900 3 SLIDES, 28 FT, 1.5 HRS
04:00	04:30	0.50	RIG SERVICE	RIG	1		12,654.0	12,654.0	RIG SERVICE AND TOP DRIVE INSPECTION
04:30	06:00	1.50	SURVEY	SUR	1		12,654.0	12,654.0	SURVEYS & CONNECTIONS
Hand Once	at / Mass Illass					_			

Head Count / Man Hours

Casing Strings

							Dens Fluid	
Csg Des	OD (in)	Set Depth (ft, KB)	Top (ft, KB)	Run Date	Drift Min (in)	Wt/Len (lb/ft)	(lb/gal)	P LeakOff (psi)
CONDUCTOR	20	105.0	25.0	11/9/2016	18.54	133.00		
SURFACE CASING	13 3/8	533.0	-5.6	12/25/2016		68.00		
INTERMEDIATE CASING	9 5/8	8,179.1	25.8	1/1/2017		40.00		
PRODUCTION CASING	5 1/2	17,110.0	-403.4			20.00		



3/24/2017 06:00 - 3/25/2017 06:00

Report# 24

Reg Work Time (hr) Tot Work Time (hr)

DFS 18.0

Well Name: UNIVERSITY 7-2730 N 09SA

Well Info API 42-317-40598 County MARTIN Surface Legal Location S30-7, U L SVY, U27 Spud Date 12/24/2016 PERMIAN BASIN DIVISION SPRABERRY Ground Ele 2,919 Original 2,919 TEXAS

Job Summary
Job Category
DRILLING Cum Field Est To D 1,519,685.79 JOB AFE AMOUNT 4,285,800.00 Last Casing String INTERMEDIATE CASING, 8,179.1ft,

Daily Ops Summary

Wellbore Name Original Hole Hole Condition End Depth (ft, 13,246.0 Daily Field Est 61,646.35 Progre 592 UNIT 103 Avg ROP (ft/hr) 8.50 23.13 Clear Good

TRIPPING IN HOLE

ROTARY AND SLIDE DRILL MAINTAINING WINDOWS, SURVEYS AND CONNECTIONS, RIG SERVICE AND TOP DRIVE INSPECTION, BIT TRIP, CUT DRILL LINE

ROTARY AND SLIDE DRILL MAINTAINING WINDOWS, SURVEYS AND CONNECTIONS, RIG SERVICE AND TOP DRIVE INSPECTION

Time	loa

Start Time	End Time	Dur (hr)	Activity	Code	Sub - Code	Unschd Type	Start Depth (ft, KB)	End Depth (ft, KB)	Com
06:00	14:00	8.00	DIRECTIONAL DRILL	DRL	2		12,654.0	13,223.0	DIRECTIONAL DRILL FROM 12,654' TO 13,223', = 569' @ 71' FPH, WOB-28/32K, TDRPM-65, DHRPM-154, GPM-550, DIFF- 270/400, TQ-9000/13,900
14:00	14:30	0.50	RIG SERVICE	RIG	1		13,223.0	13,223.0	RIG SERVICE AND TOP DRIVE INSPECTION
14:30	15:30	1.00	SURVEY	SUR	1		13,223.0	13,223.0	SURVEYS & CONNECTIONS
15:30	16:00	0.50	DIRECTIONAL DRILL	DRL	2		13,223.0	13,246.0	DIRECTIONAL DRILL FROM 13,223' TO 13,246', = 23' @ 46' FPH, WOB-28/32K, TDRPM-65, DHRPM-154, GPM-550, DIFF- 270/400, TQ-9000/13,900 4 SLIDES, 43 FT, 2HRS
16:00	22:00	6.00	TRIP	TRP	2		13,246.0	13,246.0	BUILD & PUMP SLUG & TRIP OUT OF HOLE FOR BIT (LAY DOWN SHOCK SUB AND AGITATOR)
22:00	23:00	1.00	TRIP	TRP	2		13,246.0	13,246.0	CHANGE OUT BIT, MOTOR, SCRIBE & TEST SAME
23:00	02:30		TRIP	TRP	2		13,246.0	,	TRIP IN FILLING PIPE EVERY 30 STANDS, PICK UP AGITATOR, TEST & TRIP IN HOLE TO SHOE TEST PRESS BEFORE 462psi @ 80spm, AFTER 580psi @ 80spm
02:30	04:00	1.50	CUT DRILL LINE	RIG	6		13,246.0	13,246.0	SLIP & CUT DRILL LINE
04:00	06:00	2.00	TRIP	TRP	2		13,246.0	13,246.0	TRIP IN HOLE FILLING PIPE EVERY 30 STANDS

Head Count / Man Hours Company

Casing String

Casing Strings								
Csg Des	OD (in)	Set Depth (ft, KB)	Top (ft, KB)	Run Date	Drift Min (in)	Wt/Len (lb/ft)	Dens Fluid (lb/gal)	P LeakOff (psi)
CONDUCTOR	20	105.0	25.0	11/9/2016	18.54	133.00		
SURFACE CASING	13 3/8	533.0	-5.6	12/25/2016		68.00		
INTERMEDIATE CASING	9 5/8	8,179.1	25.8	1/1/2017		40.00		
PRODUCTION CASING	5 1/2	17,090.0	-12.7			20.00		

Employee Type

Count

Type



3/25/2017 06:00 - 3/26/2017 06:00

Report# 25

Well Name: UNIVERSITY 7-2730 N 09SA

DFS 19.0

Well Into												
API 42-317-405	i98			Legal Location	J27	Division PERMIAN E	BASIN DI	IVISION	Field Name SPRABERRY		Spud Date 12/24/2016	
County MARTIN				State TEXAS			Grou 2,9	ınd Elevation	(ft)	Origina 2,919	al KB Elevation (ft)	
Job Summa	ary			TILXAG			2,3	19		2,913	9	
Job Category DRILLING				Last Casing S INTERMEI KB	etring DIATE CASINO	G, 8,179.1ft,		AFE AMOUN 85,800.00			ield Est To Date (Cost 5,749.34	
Daily Ops S	Summary											
RIG UNIT 103				re Name nal Hole		End Depth (ft, k 14,427.0	(B)		Progress (ft) 1181		Daily Field Est To 66,063.55	tal (Cost)
Weather Clear Operations at R	Poport Timo		Hole	Condition		Drilling Ho	ours (hr)		Avg ROP (1 73.8	it/hr)	Cum 1 24.1	ïme Log Days (days) 3
ROTARY D	RILLING IN	LATERAL	-									
MWD	ND SLIDE D	ORILL MA	INTAIN	NING WINDC	WS, SURVEY	'S AND CON	NECTIO	ONS, RIG	SERVICE AND TO	OP DRIVE INSF	PECTION, TROU	BLESHOOT
	t Report Period AND SLIDE I	DRILL MA	AINTAI	INING WIND	OWS, SURVE	YS AND CO	NNECTI	ONS, RIG	SERVICE AND	OP DRIVE INS	PECTION	
Time Log												
Start Time	End Time	Dur (hr)		Activity	Code	Sub	- Code	Unschd Type	Start Depth (ft, KB)	End Depth (ft, KB)		Com
06:00	06:30	. ,	50 TR	•	TRP	2	0000	1,700	13,246.0		FINISH TRIP IN	HOLE FILLING
06:30	07:00	0.5		RCULATE/C NDITION	CIRC	1			13,246.0	13,246.0	WASH 128' TO SAFETY	
07:00	08:30	1.5		RIENT RECTIONAL OOLS	DRL	3		MWD Failure	13,246.0	13,246.0	ATTEMPT TO DEPOSE TOOL OF ATTEMPT TO DESCRIPTION OF ATTEMPT TOOL WORKER	K TO PULSE
08:30	16:00	7.5		RECTIONAL RILL	DRL	2			13,246.0	13,915.0	DIRECTIONAL 13,246' TO 13,46' FPH-89.2, WO TDRPM-65, DH 550, DIFF-250,9400/13500 SLIDES, 64 FT	915, = ' @ 669' B-28/30K, HRPM-154, GPM- '350, TQ- 6
16:00	16:30	0.5	50 RIG	G SERVICE	RIG	1			13,915.0	13,915.0	· ·	AND TOP DRIVE
16:30	18:00			JRVEY	SUR	1			13,915.0	13,915.0	SURVEYS & C	ONNECTIONS
18:00	02:30	8.8		RECTIONAL RILL	DRL	2			13,915.0	14,427.0	DIRECTIONAL 13,915' TO 14, FPH-60.2, WO TDRPM-65, DH 500, DIFF-250, 9400/13,100 6 SLIDES, 58 F	427' = 512' @ B-28/30K, IRPM-140, GPM- '350, TQ-
02:30	03:30	1.0		RIENT RECTIONAL OOLS	DRL	3		MWD Failure	14,427.0	14,427.0	DOWN LINK M AND CHANGE RECYCLES OF	DATA RATE (2
03:30	04:00	0.5	50 RIG	G SERVICE	RIG	1			14,427.0	14,427.0	RIG SERVICE INSPECTION	AND TOP DRIVE
04:00	06:00		00 SU	JRVEY	SUR	1			14,427.0	14,427.0	SURVEYS & C	ONNECTIONS
Head Coun	nt / Man Hou	mpany			Tv	ре		Emi	ployee Type	Count	Reg Work Time (hr) Tot Work Time (hr)
		1 7			,				-7 71			
Casing Str	ings								T		Dens Fluid	T
	Csg Des	0	D (in)	Set Depth (, ,	op (ft, KB)		n Date	Drift Min (in)	Wt/Len (lb/ft)	(lb/gal)	P LeakOff (psi)
CONDUCTO			20 13 3/8		105.0 533.0		11/9/20 ⁻ 12/25/20		18.54		3.00 3.00	
	DIATE CASIN	ig	9 5/8		3,179.1		1/1/201				0.00	
PRODUCTI	ION CASING	3	5 1/2		7,090.0	-12.7					0.00	



3/26/2017 06:00 - 3/27/2017 06:00

Report# 26

Well Name: UNIVERSITY 7-2730 N 09SA **DFS 20.0** Well Info Surface Legal Location S30-7, U L SVY, U27 Spud Dat 42-317-40598 PERMIAN BASIN DIVISION SPRABERRY 12/24/2016 Ground El 2,919 Original 2,919 MARTIN **TEXAS** Job Summary Cum Field Est To D 1,638,496.68 Job Category DRILLING Last Casing String INTERMEDIATE CASING, 8,179.1ft, JOB AFE AMOUN 4,285,800.00 Daily Ops Summary Daily Field Est 52,747.34 End Depth (ft, 15,374.0 UNIT 103 Original Hole e Log Days (days) 25.13 20.00 47.3 Clear Good ROTARY DRILLING IN LATERAL ROTARY AND SLIDE DRILL MAINTAINING WINDOWS, SURVEYS AND CONNECTIONS, RIG SERVICE AND TOP DRIVE INSPECTION ROTARY AND SLIDE DRILL MAINTAINING WINDOWS, SURVEYS AND CONNECTIONS, RIG SERVICE AND TOP DRIVE INSPECTION Time Log Unschd Type Start Time End Time Sub - Code Start Depth (ft, KB) pth (ft, KB) Com
14,869.0 DIRECTIONAL DRILL FROM Dur (hr) End Depth (ft, KB) 10.00 DIRECTIONAL 06:00 16:00 DRI 14.427.0 14,427' TO 14,869' = 442' @ **DRILL** FPH-44.2, WOB-30/32K, TDRPM-65, DHRPM-140, GPM-500, DIFF-250/350, TQ-9400/15900 3 SLIDES, 33 FT, 2 HRS 16:00 16:30 RIG SERVICE RIG 14,869.0 14,869.0 RIG SERVICE AND TOP DRIVE INSPECTION 16:30 18:00 SURVEY SUR 14,869.0 14,869.0 SURVEYS & CONNECTIONS 18:00 04:00 10.00 DIRECTIONAL DRL 14,869.0 15,374.0 DIRECTIONAL DRILL FROM 14,869' TO 15,374' = 505' @ FPH-50.5, WOB-30/32K, DRILL TDRPM-65, DHRPM-154, GPM-550, DIFF-250/350, TQ-9400/13400 4 SLIDES, 35 FT, 2 HRS 04:00 0.50 RIG SERVICE 15,374.0 RIG SERVICE AND TOP DRIVE 04:30 RIG 15,374.0 INSPECTION 04:30 1.50 SURVEY SUR 15,374.0 15,374.0 SURVEYS & CONNECTIONS 06:00 Head Count / Man Hours Company Type Employee Type Count Reg Work Time (hr) Tot Work Time (hr) Casing Strings

Csq Des	OD (in)	Set Depth (ft, KB)	Top (ft, KB)	Run Date	Drift Min (in)	Wt/Len (lb/ft)	Dens Fluid (lb/gal)	P LeakOff (psi)
CONDUCTOR	20	105.0		11/9/2016	18.54	133.00	, ,	, , , , , , , , , , , , , , , , , , ,
SURFACE CASING	13 3/8	533.0	-5.6	12/25/2016		68.00		
INTERMEDIATE CASING	9 5/8	8,179.1	25.8	1/1/2017		40.00		
PRODUCTION CASING	5 1/2	17,090.0	-12.7			20.00		



Well Name: UNIVERSITY 7-2730 N 09SA

Daily Partner Report

3/27/2017 06:00 - 3/28/2017 06:00

Report# 27

DFS 21.0

Wall lafa															חם	3 21.0	_
Well Info API		Su	rface Legal Loc	ation		Di	vision			Field	d Name			Spud Date			_
42-317-405	98	S	30-7 , U L S State	VY, U	27	Р	ERMIAN I	BASI	N DIVISION Ground Elevation		RABERRY	I O ei ei	L L/F	12/24/2016 B Elevation (ft)			_
County MARTIN			TEXA	AS					2,919	on (II)		2,9		Elevation (II)			
Job Summa	ary																
Job Category DRILLING				asing Str		ASING,	8,179.1ft,		JOB AFE AMOU 4,285,800.0					Est To Date (Cost) 65.87			
Daily Ops S	Summary																
RIG UNIT 103 Weather		Oi	ellbore Name riginal Hole Hole Condition				nd Depth (ft, 1 5,682.0 Drilling H		nr)	308	gress (ft) Avg ROP (ft/hr)		Daily Field Est Total 76,669.19	`	Days (days)	
Clear		I	Good				8.50				36.2	,		26.13	9	,- (,-,	
Operations at R TRIPPING I	•																
Operations Sun ROTARY A		RILL MAIN	TAINING W	/INDO	WS. SL	JRVEYS	AND CO	NNE	CTIONS. RI	G SERV	ICE AND T	OP DRIVE IN	SPE	CTION, BIT TR	IP		
Operations Nex	t Report Period											TOP DRIVE IN		-			_
Time Log					-												
	Fad Time	D (b a)	A 41: - 14:			2-1-	Cub	- Code	Unschd	I Chart D		End Depth (ft, KB	<u>, T</u>				Т
Start Time 06:00	End Time 07:00	Dur (hr) 1.00	Activity DIRECTIO DRILL		DRL	Code	2	- Coa	е Туре	Start D	epth (ft, KB) 15,374.0		.0 D 19 42 D 29	CIRECTIONAL D 5,374' TO 15,41 2, WOB-30/32k HRPM-154, GF 50/350, TQ-910 SLIDES, 0 FT,	16' = (, TD PM-5 0/13	42' @ FPH- RPM-65, 50, DIFF- 300	
07:00	07:30	0.50	CIRCULAT		CIRC		1				15,416.0	15,416.		ERFORM CLEA UMP 2 X'S 40B		,	_
07:30	08:00	0.50	RIG SERV	'ICE	RIG		1				15,416.0	15,416		IG SERVICE AI	ND T	OP DRIVE	_
08:00	15:30	7.50	DIRECTIO DRILL	NAL	DRL		2				15,416.0	15,682.	19 39 -6 D	IRECTIONAL D 5,416' TO 15,68 5.4FPH, WOB-3 5, DHRPM-154 IFF-250/350, T SLIDES, 25 FT	32' = 30/3: 1, GF Q-91	266' @ 2K, TDRPM PM-550, 00/13850	
15:30	16:30		SURVEY		SUR		1				15,682.0	,	- 1	URVEYS & CO			
16:30	22:30	6.00	TRIP		TRP		2				15,682.0	15,682	H S	UMP SLUG & T OLE FOR BIT (HOCK SUB AN ND PULL RT H	LAY D AC	DOWN SITATOR	
22:30	00:00	1.50	TRIP		TRP		2				15,682.0	15,682		HANGE OUT B WD, SCRIBE 8			
00:00	00:30	0.50	RIG SERV	ICE.	RIG		1				15,682.0	15,682		IG SERVICE AI	ND T	OP DRIVE	
00:30	06:00	5.50	TRIP		TRP		2				15,682.0	15,682.	30 A (5	RIP IN FILLING O STANDS, INS ND PICK UP AO TEST PRESSU 16psi @ 80spm O 80spm)	TAL GITA RE E	L RT HEAD TOR BEFORE	
Head Coun	t / Man Hou	rs npany				Туре				mployee Ty	/DO	Count		Reg Work Time (hr) I To	ot Work Time (h	-/
	Con	прапу				турс				inployee ry	, ре	Count		rteg work fille (iii	1	TOTAL TITLE (III	,
Casing Stri	ings																
	Sg Des	OD (i		Depth (ft		Тор	(ft, KB)	1.4.6	Run Date	D	rift Min (in)	Wt/Len (lb/		Dens Fluid (lb/gal)	Р	LeakOff (psi)	
CONDUCTO SURFACE (1.	20 3 3/8		105.0 533.0				9/2016 25/2016		18.54		33.00 38.00				
	IATE CASIN		9 5/8		179.1		25.8						40.00				
	ON CASING		5 1/2		090.0		-12.7						20.00				



3/28/2017 06:00 - 3/29/2017 06:00

Report# 28

Well Name: UNIVERSITY 7-2730 N 09SA

DFS 22.0

Well Info																
API 42-317-405	508			gal Location U L SVY, U	127		Division PERMIAN	BVGII	א טואופוט	INI	Field Name SPRABERRY			Spud	Date 4/2016	
County) 3 6		30-7 ,	State	21	l	FERIVITAIN	DASII	Ground Elev					KB Eleva		
MARTIN Job Summ	arv			TEXAS					2,919				2,919			
Job Category	u. y			Last Casing S	tring				JOB AFE AM	/OUN	T (Cost)		Cum Fie	ld Est To	Date (Cost)	
DRILLING				INTERMEI KB	DIATE (CASING	6, 8,179.1ft,	,	4,285,800	0.00			1,769,	842.56	5	
Daily Ops	Summary	I.e.					- IB	L/D)			10 (0)					. (6)
RIG UNIT 103			^{'ellbore N} Priginal				End Depth (ft, 16,836.0	KB)			Progress (ft) 1154				Field Est Tota 76.69	I (Cost)
Weather Partly Cloud	dv	l .	Hole Co	ndition			Drilling H	lours (h	nr)		Avg ROP 72.1	(ft/hr)			Cum Tin 27.13	ne Log Days (days)
Operations at F	Report Time DRILLING IN L	ATERAL	10000				10.00				72.1				27.10	
TROUBLES	H, ROTARY AN SHOOT MWD		DRILL	MAINTAIN	IING W	/INDOW	/S, SURVE	YS A	ND CON	NEC	TIONS, RIG SER	VICE AND	TOP [DRIVE	INSPECTI	ON,
ROTARY A	xt Report Period AND SLIDE DI IP, TOOH, RU			NG WINDO	ows, s	SURVEY	S AND CC	ONNE	CTIONS,	RIG	SERVICE AND	TOP DRIVE	INSP	ECTIO	N, TD, CIF	RCULATE,
Time Log	.,,,,,,,,															
	E- LT:	D (L.)		A matin its		On I			Unso		Chart David (C. 100)	F- 10	4 KD)			
Start Time 06:00	End Time 06:30	Dur (hr) 0.50	TRIP	Activity	TRP	Code	Sub 2	- Code	е Тур	e	Start Depth (ft, KB) 15,682.0	End Depth (t		FINISH	TRIP IN	HOLF
06:30	07:00			HING/RE	REAM	И	1				15,682.0				1 80' TO B	OTTOM FOR
07:00	08:00	1.00	ORIE	_	DRL		3		MWI	\overline{D}	15,682.0	15.0	682.0			PS, TROUBLE
				CTIONAL					Failu		. 5,55			SHOO "NOT I	T MUD PL	JLSE TOOL UP SURVEYS
08:00	15:30	7.50	DIRE	CTIONAL	DRL		2				15,682.0	16,3		DIREC	CTIONAL D	RILL FROM
			DRIL	L												51 = 669' @ 28/30K, TDRPM
																4, GPM-500,
															250/350, T DES, 50F1	Q-9100/15100 2.5 HRS
15:30	17:30	2.00	SUR	VEY	SUR		1				16,351.0	16.3	351.0		-	NNECTIONS
17:30	18:00			SERVICE	RIG		1				16,351.0	,	351.0	RIG S	ERVICE A	ND TOP DRIVE
18:00	02:30	8 50	DIRE	CTIONAL	DRL		2				16,351.0	16.9			CTIONAL F	RILL FROM
10.00	02.30	0.50	DRIL		DIVE		2				10,331.0	10,0		16,351	I' TO 16,83	36' = 485' @
															FPH, WOE	
															NFF-250/3	RPM-154, GPM- 50, TQ-
														9100/1		
00.00	05.00	0.00	OLID	\(\frac{1}{2}\)	OLID						40.000.0	40.4	200.0		DES, 45FT	, 3 HRS NNECTIONS
02:30 05:30	05:30 06:00		SUR'	SERVICE	SUR		1				16,836.0 16,836.0					ND TOP DRIVE
05.50	00.00	0.50	, Kid	SERVICE	KIG		'				10,830.0	10,0	550.0		CTION	ND TOP DRIVE
Head Cour	nt / Man Hours					т				F	Investigation	1 0		[D 1	Made Time (b.	Tot Work Time (hr)
	Comp	pany				Тур	De			Emp	loyee Type	Соц	unt	Reg	Work Time (hr) Tot work Time (nr)
Casing Str	rings															•
	Osg Des	OD	(in)	Set Depth (ft, KB)	Top	p (ft, KB)		Run Date		Drift Min (in)	Wt/Le	n (lb/ft)	L	Dens Fluid (lb/gal)	P LeakOff (psi)
CONDUCT			20		105.0				9/2016		18.5	4	133.			
SURFACE			3 3/8		533.0				25/2016				68.			
	DIATE CASING ION CASING		9 5/8 5 1/2		,179.1		25.8 -4.7	1/1/:	2017				40. 20.			
FRODUCT	ION CASING		3 1/2	17	,070.0		-4.7						20.	00		



3/29/2017 06:00 - 3/30/2017 06:00

Report# 29

Well Name: UNIVERSITY 7-2730 N 09SA

DFS 23.0

Well Info													
API 42-317-405	598			egal Location U L SVY,	U27		vision ERMIAN E		I DIVISION	Field Name SPRABERRY		Spud Date 12/24/2016	
County MARTIN				State TEXAS					Ground Elevation 2,919	(ft)	Original 2,919	KB Elevation (ft)	
Job Summ	ary			l					100 155 111011		lo s		
Job Category DRILLING				PRODUC		SING, 1	7,065.0ft,		JOB AFE AMOU! 4,285,800.00			eld Est To Date (Cost) ,076.29	
Daily Ops S	Summary	I,	Wellbore	Name		lEn	id Depth (ft, I	(B)		Progress (ft)		Daily Field Est Tota	al (Cost)
UNIT 103 Weather			Origina				7,070.0		\	234	*	59,233.73	me Log Days (days)
Clear			Good				3.00	ours (III))	Avg ROP (iviii)	28.13	
	PRODUCTIO	N CASIN	G										
Operations Sur DRLG, SUF		CONNEC	TIONS	, RIG SER	VICE, SH	HORT TE	RIP, CIRC	ULAT	E, TRIP OU	T, LAY DOWN BH	IA, RIG UP CAS	SERS, RUN CAS	SING
	t Report Period NNING AND	LAND C	ASING,	CIRCULA	TE FOR	CEMEN	T, CEMEN	IT CA	SING, N/D S	SET SLIPS, CUT C	CASING, SET NIC	GHT CAP, TEST	SAME, PREP
Time Log													
Start Time 06:00	End Time 09:00	Dur (hr) 3.0	0 DIRI DRII	Activity ECTIONAL LL		Code	Sub 2	- Code	Unschd Type	Start Depth (ft, KB) 16,836.0	End Depth (ft, KB) 17,070.0	DIRECTIONAL I 16,836' TO 17,0 78FPH, WOB-3 65, DHRPM-140 DIFF-250/350, T	70' = 234' @ 0/32K, TDRPM-), GPM-500,
09:00	10:00	1.0	0 SUR	RVEY	SUR		1			17,070.0	17,070.0	SURVEYS & CO	NNECTIONS
10:00	11:00	1.0		CULATE/C DITION	CIRC		1			17,070.0	17,070.0	CIRCULATE 50	obl SWEEP OUT
11:00	12:30	1.5		ORT TRIP	TRP		14			17,070.0	17,070.0	PUMP SLUG MA WIPER TRIP TO	
12:30	14:00	1.5	-	CULATE/C DITION	CIRC		1			17,070.0	17,070.0		bbl SWEEP OUT
14:00	20:30	6.5	0 TRIF	0	TRP		2			17,070.0	17,070.0	TRIP OUT OF H CASING	OLE FOR
20:30	21:30	1.0	0 PU/L	LD BHA	TRP		1			17,070.0	,		RECTIONAL BHA
21:30	22:00	0.5	0 RIG	SERVICE	RIG		1			17,070.0	17,070.0	LUBRICATE RIC	3 AND TOP
22:00	23:00	1.0		UP/DOWN	CSG		1			17,070.0	17,070.0	PJSM - RIG UP AND TORQUE 1	
23:00	06:00	7.0	0 RUN	CASING	CSG		2			17,070.0	17,070.0	RUN 5 1/2" PRO CASING FILL PIPE EVER CIRCULATE AS PROGRAM	RYAND
Head Coun	nt / Man Hou					T			F	ployee Type	Count	Dan Wash Time /h	r) Tot Work Time (hr)
	Con	npany				Туре			CII	ipioyee Type	Count	Reg Work Time (h) Tot work Time (III)
Casing Str	ings									_			•
	Csg Des	00) (in)	Set Depth		Тор (ft, KB)		Run Date	Drift Min (in)	Wt/Len (lb/ft)	Dens Fluid (lb/gal)	P LeakOff (psi)
CONDUCT			20		105.0		25.0	11/9/		18.5			
SURFACE	CASING NATE CASIN		13 3/8 9 5/8		533.0 8,179.1			12/28 1/1/2	5/2016		68.		
	ION CASING		5 1/2		7,065.0			3/29/			20.		



3/30/2017 06:00 - 3/31/2017 06:00

Report# 30

Reg Work Time (hr) Tot Work Time (hr)

Count

40.00

20.00

DFS 24.0

Well Name: UNIVERSITY 7-2730 N 09SA

Well Info Surface Legal Location S30-7, U L SVY, U27 Spud Date 12/24/2016 42-317-40598 PERMIAN BASIN DIVISION SPRABERRY Ground Ele 2,919 Original 2,919 MARTIN **TEXAS** Job Summary Job Category DRILLING Cum Field Est To Date (Cost) 2,000,780.55 Last Casing String JOB AFE AMOUNT (Cost) PRODUCTION CASING, 17,065.0ft, KB 4,285,800.00 Daily Ops Summary Daily Field Est Total (Cost) 159,201.78 Wellbore Name UNIT 103 17,070.0 0 Original Hole Hole Condition Drilling Hours (hr) Avg ROP (ft/hr) Cum Time Log Days (days) Weather Clear Good 28.92 Operations at Report Time RIG RELEASED

Operations Summary

RUN CASING, CBU, CEMENT AND DISPLACE, RD CEMENTERS AND FLUSH BOP, ND BOP, SET SLIPS, CUT CASING AND PREP TO SKID - RIG RELEASED TO UNIVERSITY 7-2730 N 09SA @0100HRS ON 3/31/2017

RIG RELEASED TO UNIVERSITY 7-2730 N 09MB

Time Log	
Start Time	I

Start Time	End Time	Dur (hr)	Activity	Code	Sub - Code	Unschd	Start Depth (ft, KB)	End Depth (ft, KB)	Com
		- ()	,			Туре	1 (' /	1 (' /	
06:00	14:00	8.00	RUN CASING	CSG	2		17,070.0	,	RUN 5 1/2" PRODUCTION CASING FILL PIPE AND CIRCULATE AS PER PROGRAM, WASH DOWN LAST JOINT, L/D TAG JOINT
14:00	16:00	2.00	CIRCULATE/C ONDITION	CIRC	1		17,070.0	17,070.0	CIRCULATE 1 1/2 X'S CASING CAPACITY & R/D CASING CREW & R/U CEMENTERS
16:00	21:00	5.00	CEMENTING	СМТ	2		17,070.0	17,070.0	CEMENT CASING, BUMP PLUG, FLOATS HELD, 50 BBLS SPACER & 127BBLS TERGOVIS TO SURFACE. FCP = 1,430PSI, PLUG BUMPED WITH 2,000PSI
21:00	21:30	0.50	RIG UP/DOWN CEMENTERS	СМТ	1		17,070.0	17,070.0	RIG DOWN CEMENTERS
21:30	23:00	1.50	NU/ND BOP	BOP	1		17,070.0	17,070.0	N/D BOP AND LIFT STACK
23:00	01:00		SET FRAC EQUIPMENT	STIM	2		17,070.0	·	SET SLIPS WITH 170K, CUT AND DRESS CASING, INSTALL NIGHT CAP AND TEST TO 5K
01:00	01:00	0.00	RIG RELEASE	LOC	8		17,070.0	17,070.0	RIG RELEASED @0100HRS 3/31/2017

Head Count / Man Hours Company

INTERMEDIATE CASING

PRODUCTION CASING

Casing Strings								
Csg Des	OD (in)	Set Depth (ft, KB)	Top (ft, KB)	Run Date	Drift Min (in)	Wt/Len (lb/ft)	Dens Fluid (lb/gal)	P LeakOff (psi)
CONDUCTOR	20	105.0	25.0	11/9/2016	18.54	133.00		
SURFACE CASING	13 3/8	533.0	-5.6	12/25/2016		68.00		

25.8 1/1/2017

-5.0 3/30/2017

Type

8,179.1

17,065.0

9 5/8

5 1/2

Employee Type