

9/30/2016 12:00 - 10/1/2016 06:00

Report# 1

Well I	Name: U	NIVERSIT	Y 7-0213 N 0	5SC						Keport# i
										DFS 1.0
Well Info		Igu	rface Legal Location		Division		Field Name		Spud Date	
42-317-405	526		·, SVÝ,		1	ASIN DIVISION	SPRABERRY			
County MARTIN			State TEXAS			Ground Elevatio 2,911	n (ft)	Original 2,936	KB Elevation (ft)	
Job Summ Job Category	nary		Last Casing St	tring		JOB AFE AMOU	INT (Coot)	Cum Fig	eld Est To Date (Cost)	
DRILLING				CASING, 536	6.0ft, KB	2,380,100.0		44,632		
Daily Ops	Summary	IWe	ellbore Name		End Depth (ft, KB	3)	Progress (ft)		Daily Field Est Total	(Cost)
UNIT 103		Oi	riginal Hole		536.0		431	(6.0)	44,632.35	
Weather Partly Clou	dy	I	Hole Condition Good		Drilling Hou	rs (hr)	Avg ROP 95.8	(ft/hr)	0.75	ne Log Days (days)
Operations at I	Report Time EMENTERS						•			
Operations Su		TED WALK		LIDEACE MIC	ODK ON CELL	AD DIIMDS TO	OOH, RUN CASIN	CIDCUII ATE A		PEMENIT
Operations Ne	xt Report Period			<u> </u>			·	·		
			CASING, INSTA CONNECTIONS			, TEST BOPS, F	PICK UP DIRECTI	ONAL TOOLS, DI	RILL OUT FLOAT	, ROTARY
Time Log	,			,	-					
Start Time	End Time	Dur (hr)	Activity	Code	Sub - 0	Unschd Code Type	Start Depth (ft, KB)	End Depth (ft, KB)	C	om
12:00	13:30		MOVE RIG	LOC	3	1,700	105.0		WALK RIG TO U	NIVERSITY 7-
									0213 N 05SC, C TRRC	ONTACTED
13:30	17:00	3.50	RIG UP/DOWN	LOC	4		105.0	105.0	RIG UP AFTER \	
									GRABBER DIES TEST SURFACE	
17:00	10.20	1.50	PU/LD BHA	TRP	4		105.0	105.0	2500 PSI PU BIT, BS, 1 ST	AND WITH 47"
17:00	18:30	1.50	PU/LD BHA	IRP	1		105.0	105.0	STAB AND TAG	
10.20	10.20	1.00	MISCELLANE	OTH			105.0	105.0	105' WORK ON CELI	AD DUMD
18:30	19:30	1.00	OUS	ОТН			105.0	105.0	WORK ON CELL	AR PUMP
19:30	20:30	1.00	DRL SPUD SURFACE	DRL	8		105.0	191.0	ROTATE F/105 T	,
			SURFACE						TD RPM, 20 WC GPM	D, 000-000
20:30	21:00	0.50	MISCELLANE OUS	ОТН			191.0	191.0	REGAIN PRIME PUMP	ON CELLAR
21:00	00:30	3.50	DRL SPUD	DRL	8		191.0	536.0	ROTATE F/191 T	
00.00	04.00	0.50	SURFACE	OIDO			500.0	500.0	RPM, 25 WOB, 8	
00:30	01:00	0.50	CIRCULATE/C ONDITION	CIRC	1		536.0	536.0	CIRCULATE VIS SURFACE TO SI	-
04.00	100,00	4.50	TDID	TRP			520.0		HOLE CLEAN TRIP OUT OF H	
01:00	02:30	1.50	TRIP	IRP	2		536.0	536.0	CASING, L/D RE	
02:30	03:00	0.50	RIG UP/DOWN	CSG	1		536.0	F26 0	AND BIT SUB SAFETY MEETIN	IC AND DIC LID
02.30	03.00	0.50	CSG CREW	036			536.0	556.0	CASERS	NG AIND RIG UP
03:00	04:30	1.50	RUN CASING	CSG	2		536.0	536.0	RUN 13 JTS OF SURFACE CASI	
									LAST JT TO BOT	-, -
04:30	05:30	1.00	CIRCULATE/C ONDITION	CIRC	1		536.0	536.0	CIRCULATE WH	
			CINDITION						UP ALLIED'S GR	
05:30	06:00	0.50	RIG UP/DOWN	CMT	1		536.0	536.0	EQUIPMENT S/M RIG UP CEN	JENT HEAD
			CEMENTERS	OWN	'		000.0	000.0	AND BALES	WEIVITIERD
Head Cour	nt / Man Hou	mpany		Tv	ype	Fr	mployee Type	Count	Reg Work Time (hr	) Tot Work Time (hr)
	001	трату			уре	Li	прючее туре	Count	rteg work fille (ill	) Tot Work Time (III)
Casing Str	rings								Dens Fluid	
CONDUCT	Csg Des	OD (i	in) Set Depth (t	ft, KB) T	op (ft, KB)	Run Date	Drift Min (in)	Wt/Len (lb/ft)	(lb/gal)	P LeakOff (psi)
	OK DIATE CASIN	ıg								
	ION CASING									
SURFACE	CASING	10	3 3/8	536.0	-5.3 1	10/1/2016		54.	50	



10/1/2016 06:00 - 10/2/2016 06:00

Report# 2

Well Name: UNIVERSITY 7-0213 N 05SC

**DFS 2.0** 

Well Info									
API 42-317-405	326		rface Legal Location		Division PERMIAN BAS	IN DIVISION	Field Name SPRABERRY		Spud Date
County	) <u>Z</u> O	0	State		I ERMAN BAO	Ground Elevation		Original	I KB Elevation (ft)
MARTIN			TEXAS			2,911		2,936	
Job Summa Job Category	ary		Last Casing S	rina		JOB AFE AMOUN	T (Cost)	Cum Fie	eld Est To Date (Cost)
DRILLING				CASING, 536	.0ft, KB	2,380,100.00	. (2004)	161,8	
Daily Ops S	Summary	110/-	ellbore Name		Fad Darth (# I/D)		December (#)		Daily Field Est Total (Cost)
UNIT 103			riginal Hole		End Depth (ft, KB) 1,722.0		Progress (ft) 1186		103,600.30
Weather		I	Hole Condition		Drilling Hours (	hr)	Avg ROP 237.2	(ft/hr)	Cum Time Log Days (days)
Clear Operations at R	Report Time		Good		5.00		231.2		1.75
	VAL DRILLIN	IG INTERM	EDIATE						
DIRECTION AND CONN	SURFACE, C	ORIENT A	ND TEST SAME,	EST WELL H M/U BIT AND	EAD, NIPPLE U TIH, DRILL FL	P BOP'S, TES' OAT EQUIPME	T SAME, TEST C ENT, ROTARY AN	ASING, SET WE	EAR BUSHING, PICK UP IN INTERMEDIATE, SURVEYS
		DRILL IN IN	TERMEDIATE, S	JRVEYS AND	CONNECTION	S, RIG SERVI	CE AND TD INSF	PECTION	
Time Log									
		5 " )				Unschd	0 5	5 15 1 (C15)	
Start Time 06:00	End Time 08:30	Dur (hr) 2.50	Activity CEMENTING	Code	Sub - Coo	le Type	Start Depth (ft, KB) 536.0	End Depth (ft, KB) 536.0	S/M, R/U & CMT CASING,
									BUMP PLUG, FLOATS HELD, 78 BBL CMT TO SURFACE, FINAL PRESSURE 200 PSI
08:30	12:00		NU/TEST WELLHEAD	WHD	1		536.0		CUT CSG, MAKE FINAL CUT, INSTALL WELL HEAD & TEST TO 600 PSI
12:00	13:30	1.50	NU/ND BOP	ВОР	1		536.0	536.0	INSTALL STUD BOLTS ON DSA, NIPPLE UP BOP & CHOKE LINE
13:30	16:30	3.00	TEST BOP	ВОР	2		536.0	536.0	TEST BOP, CHOKE, MUD LINE 250 PSI LOW, 5000 PSI HI, HYDRIL 3500 PSI
16:30	17:00	0.50	PRESSURE TEST CASING	EQT	1		536.0	536.0	TEST CASING TO 500 PSI
17:00	17:30	0.50	MISCELLANE OUS	ОТН			536.0	536.0	INSTALL WEAR BUSHING
17:30	18:00	0.50	MISCELLANE OUS	ОТН			536.0	536.0	CLEAN AND READY RIG FLOOR FOR BHA
18:00	20:00	2.00	PU/LD BHA	TRP	1		536.0	536.0	PICK UP DIRECTIONAL TOOLS, SCRIBE, ORIENT MULESHOE AND TEST SAME
20:00	21:00	1.00	TRIP	TRP	2		536.0		M/U BIT AND STABILIZER, TRIP IN HOLE TO TOP OF FLOAT COLLAR AT 503'
21:00	22:00	1.00	DRILL CEMENT/EQUI PMENT	DRL	4		536.0	536.0	INSTALL ROTATING HEAD AND DRILL FLOAT EQUIPMENT
22:00	00:30	2.50	DIRECTIONAL DRILL	DRL	2		536.0	1,064.0	DIRECTIONAL DRILL FROM 536 ' TO 1064' =528' , WOB 36K -40K RPM 50-65, 650-800 GPM
00:00	04.00	4.00	OLIDVEV	CLID			4.004.0	4.004.0	2 SLIDES=24'
00:30 01:30	01:30		SURVEY	SUR	1		1,064.0 1,064.0	·	SURVEYS AND CONNECTIONS CHANGE OUT ROTATING
			ous				1,004.0	,	HEAD ASSEMBLY AND PICK UP 9 7/8" REAMER X/O
	02:30		SURVEY	SUR	1		1,064.0		SURVEYS AND CONNECTIONS
02:30	03:00	0.50	DIRECTIONAL DRILL	DRL	2		1,064.0	1,158.0	DIRECTIONAL DRILL FROM 1064 ' TO 1158' =94' , WOB 36K- 40K RPM 60, 800 GPM
03:00	03:30	0.50	RIG SERVICE	RIG	1		1,158.0	1 150 0	1 SLIDE=10' SERVICE RIG AND INSPECT
03.00	03.30	0.50	RIG SERVICE	RIG			1,156.0	1,156.0	TOP DRIVE AND TOP DRIVE TRAVELING ASSEMBLY
03:30	05:30	2.00	DIRECTIONAL DRILL	DRL	2		1,158.0	1,722.0	DIRECTIONAL DRILL FROM 1158 ' TO 1722' =564' , WOB 36K-40K RPM 60, 800 GPM
05:30	06:00	0.50	SURVEY	SUR	1		1,722.0	1 722 0	1 SLIDES=10' SURVEYS AND CONNECTIONS
	nt / Man Hou	l	JORVET	Jour	I I		1,722.0	1,722.0	2017 AND CONNECTIONS
. icaa couli		mpany		Ту	pe	Emp	oloyee Type	Count	Reg Work Time (hr) Tot Work Time (hr)
						·			



10/1/2016 06:00 - 10/2/2016 06:00

Report# 2

Well Name:	UNIVERSITY 7-0213 N 05SC	

CONDUCTOR INTERMEDIATE CASING PRODUCTION CASING	von rame. Oraș							DFS 2.0
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 INTERMEDIATE CASING PRODUCTION CASING	Casing Strings							
INTERMEDIATE CASING PRODUCTION CASING	Csg Des	OD (in)	Set Depth (ft, KB)	Top (ft, KB)	Run Date	Drift Min (in)	Wt/Len (lb/ft)	P LeakOff (psi)
PRODUCTION CASING PRODUCTION CASING								
	INTERMEDIATE CASING							
CLIDEACE CACING 40.0/0 50.0 50.40/4/0040 54.50	PRODUCTION CASING							
SURFACE CASING   13 3/8   530.0   -5.3   10/1/2016   54.50	SURFACE CASING	13 3/8	536.0	-5.3	10/1/2016		54.50	



10/2/2016 06:00 - 10/3/2016 06:00

Report# 3

Well Name: UNIVERSITY 7-0213 N 05SC

**DFS 3.0** 

com DRILL FROM '=775', WOB 60, 800 GPM  EYS DRILL FROM ORILL FROM TEYS AND INSPECT D TOP DRIVE SSEMBLY DRILL FROM TOP DRIVE SSEMBLY DRILL FROM TOP DRIVE TOP
Com DRILL FROM "=775', WOB 60, 800 GPM "EYS DRILL FROM =454', WOB 36K 800 GPM "EYS AND INSPECT D TOP DRIVE SSEMBLY DRILL FROM =377', WOB 36K
Com DRILL FROM "=775', WOB 60, 800 GPM "EYS DRILL FROM =454', WOB 36K 800 GPM "EYS AND INSPECT D TOP DRIVE SSEMBLY DRILL FROM =377', WOB 36K
Com DRILL FROM "=775', WOB 60, 800 GPM "EYS DRILL FROM =454', WOB 36K 800 GPM "EYS AND INSPECT D TOP DRIVE SSEMBLY DRILL FROM =377', WOB 36K
Com DRILL FROM '=775', WOB 60, 800 GPM 'EYS DRILL FROM =454', WOB 36K 800 GPM 'EYS AND INSPECT D TOP DRIVE SSEMBLY DRILL FROM =377', WOB 36K
Com DRILL FROM '=775', WOB 60, 800 GPM 'EYS DRILL FROM =454', WOB 36K 800 GPM 'EYS AND INSPECT D TOP DRIVE SSEMBLY DRILL FROM =377', WOB 36K
Com DRILL FROM '=775', WOB 60, 800 GPM 'EYS DRILL FROM =454', WOB 36K 800 GPM 'EYS AND INSPECT D TOP DRIVE SSEMBLY DRILL FROM =377', WOB 36K
Com DRILL FROM '=775', WOB 60, 800 GPM 'EYS DRILL FROM =454', WOB 36K 800 GPM 'EYS AND INSPECT D TOP DRIVE SSEMBLY DRILL FROM =377', WOB 36K
DRILL FROM "=775', WOB 60, 800 GPM "EYS DRILL FROM =454', WOB 36K 800 GPM "EYS AND INSPECT D TOP DRIVE SSEMBLY DRILL FROM =377', WOB 36K
DRILL FROM "=775', WOB 60, 800 GPM "EYS DRILL FROM =454', WOB 36K 800 GPM "EYS AND INSPECT D TOP DRIVE SSEMBLY DRILL FROM =377', WOB 36K
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DRILL FROM "=775', WOB 60, 800 GPM "EYS DRILL FROM =454', WOB 36K 800 GPM "EYS AND INSPECT D TOP DRIVE SSEMBLY DRILL FROM =377', WOB 36K
DRILL FROM "=775', WOB 60, 800 GPM "EYS DRILL FROM =454', WOB 36K 800 GPM "EYS AND INSPECT D TOP DRIVE SSEMBLY DRILL FROM =377', WOB 36K
DRILL FROM "=775', WOB 60, 800 GPM "EYS DRILL FROM =454', WOB 36K 800 GPM "EYS AND INSPECT D TOP DRIVE SSEMBLY DRILL FROM =377', WOB 36K
DRILL FROM "=775', WOB 60, 800 GPM "EYS DRILL FROM =454', WOB 36K 800 GPM "EYS AND INSPECT D TOP DRIVE SSEMBLY DRILL FROM =377', WOB 36K
DRILL FROM =454', WOB 36K 300 GPM  YEYS AND INSPECT ID TOP DRIVE SSEMBLY  DRILL FROM =377', WOB 36K
=454', WOB 36K 800 GPM /EYS AND INSPECT ID TOP DRIVE SSEMBLY DRILL FROM =377', WOB 36K
AND INSPECT ID TOP DRIVE SSEMBLY DRILL FROM =377', WOB 36K
D TOP DRIVE SSEMBLY DRILL FROM =377', WOB 36K
=377' , WOB 36K
300 GPM
'EYS
DRILL FROM =379' , WOB 36K 800 GPM
CONNECTIONS
DRILL FROM =113' , WOB 36K 800 GPM
AND INSPECT ID TOP DRIVE SSEMBLY
DRILL FROM =424' , WOB 36K 800 GPM
CONNECTIONS
hr) Tot Work Time (hr)
P LeakOff (psi)
2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2



10/3/2016 06:00 - 10/4/2016 06:00

Well	Name: UN	R N 05	SC									Report# 4		
*****			0210	, , , ,										DFS 4.0
Well Info														
API 42-317-40	526		rface Legal Loc - , SVY,	cation			ision ERMIAN E	RASIN D	IIVISION	Field Name SPRABERRY		Spud Date		
County	320		State			1, ,		Gro	ound Elevation			KB Elevation	(ft)	
MARTIN			TEX	AS				2,9	911		2,936			
Job Sumn Job Category	nary		Last C	Casing Str	ing			JOE	B AFE AMOUN	IT (Cost)	Cum Fie	eld Est To Date	e (Cost)	
DRILLING						G, 536.0f	t, KB		380,100.00		290,3		, ,	
Daily Ops	Summary	IM/c	ellbore Name			I En	d Depth (ft, I	<b>/</b> D\		Progress (ft)		Daily Field	Ect Tota	al (Cost)
UNIT 103			riginal Hole				a Deptii (it, i 322.0	ND)		2078		46,330.8		ii (Cost)
Weather			Hole Condition	1			Drilling Ho	ours (hr)		Avg ROP (	(ft/hr)			ne Log Days (days)
Operations at			Good				19.50			106.6			3.75	
Operations Su				/EV9 A	ND C	ONNECTI	ONS DI	2 SEDV	ICE AND	TOP DRIVE INSP	ECTION			
	ext Report Period	VILINIEDIA	ATE, SUIT	/ L 1 3 /	IND C	ONNECTI	ONO, KI	3 SLIV	ICL AND	TOF DICIVE INST	LOTION			
DIRECTIO	NAL DRILL IN	NTERMEDIA	ATE, SURV	/EYS A	ND C	ONNECTI	ONS, RI	G SERV	ICE AND	TOP DRIVE INSP	ECTION			
Time Log														
Start Time	End Time	Dur (hr)	Activit	·v		Code	Sub	- Code	Unschd Type	Start Depth (ft, KB)	End Depth (ft, KB)		(	Com
06:00	07:30		DIRECTIC DRILL		DRL		2		1,7,2	4,244.0		l	NAL [ 4377' =	ORILL FROM =133' , WOB 36K
07:30	08:00	0.50	RIG REPA	VIB	RIG		2			4,377.0	4 377 0	MUD PUM		
08:00	13:00		DIRECTIC		DRL		2			4,377.0	,			ORILL FROM
			DRILL							,,,,,,,,	,,,,,,,,,		4748' <del>-</del> 1 50, 6	=371' , WOB 36K
13:00	13:30		SURVEY		SUR		1			4,748.0	4,748.0	CONNEC	TIONS	& SURVEYS
13:30	14:00	0.50	RIG SERV	/ICE	RIG		1			4,748.0	4,748.0		E AND	ND INSPECT O TOP DRIVE SEMBLY
14:00	17:30	3.50	DIRECTIC DRILL	DNAL	DRL		2			4,748.0	5,034.0		5034' =	DRILL FROM =286' , WOB 36K 80 GPM
17:30	18:00	0.50	SURVEY		SUR		1			5,034.0	5,034.0			& SURVEYS
18:00	23:00	5.00	DIRECTIO	NAL	DRL		2			5,034.0	5,600.0			DRILL FROM
			DRILL									-40K RPM	1 50, 7	=566' , WOB 36K 40 GPM
23:00	00:00	1.00	SURVEY		SUR		1			5,600.0	5,600.0	SURVEYS CONNNE		IS
00:00	02:30	2.50	DIRECTIC DRILL	DNAL	DRL		2			5,600.0	5,882.0		5882' =	DRILL FROM =282' , WOB 36K 00 GPM
												1 SLIDE=	15'	
02:30	03:00	0.50	RIG SERV	/ICE	RIG		1			5,882.0	5,882.0	l	E AND	ND INSPECT O TOP DRIVE SEMBLY
03:00	05:00	2.00	DIRECTIO	DNAL	DRL		2			5,882.0	6,322.0		6322' =	ORILL FROM =440' , WOB 36K 40 GPM
05:00	06:00	1.00	SURVEY		SUR		1			6,322.0	6,322.0			CONNECTIONS
	nt / Man Hour						1			-,-	-,-			
		npany				Туре			Em	ployee Type	Count	Reg Work	Time (h	r) Tot Work Time (hr)
Onel C														
Casing St	rings											Dens	Fluid	
	Csg Des	OD (i	in) Set	Depth (ft	, KB)	Top (f	t, KB)	Ru	ın Date	Drift Min (in)	Wt/Len (lb/ft)	(lb/g		P LeakOff (psi)
INTERME	DIATE CASING	G												

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														
PRODUCTION CASING														
CONDUCTOR	20	105.0	25.0	8/2/2016	18.54	133.00								
SURFACE CASING	13 3/8	536.0	-5.3	10/1/2016		54.50								



10/4/2016 06:00 - 10/5/2016 06:00

Report# 5

Well Name: UNIVERSITY 7-0213 N 05SC **DFS 5.0** Well Info Spud Da 9/30/2016 42-317-40526 PERMIAN BASIN DIVISION SPRABERRY SVY. S- . MARTIN **TEXAS** 2.911 2.936 Job Summary Cum Field Est To Date (Cost) 335,354.45 JOB AFE AMOUNT 2,380,100.00 Job Category DRILLING SURFACE CASING, 536.0ft, KB **Daily Ops Summary** bore Name Daily Field Est Total (Cost) UNIT 103 Original Hole 7,875.0 1553 45,016.11 Avg ROP (ft/hr) Cum Time Log Days (days) Hole Condition ng Hours (hr) Weather Clear Good 19.00 4.75 Operations at Report Time DIRECTIONAL DRILLING INTERMEDIATE DIRECTIONAL DRILL INTERMEDIATE, SURVEYS AND CONNECTIONS, RIG SERVICE AND TOP DRIVE INSPECTION TD INTERMEDIATE, CIRCULATE AND SHORT TRIP, CIRCULATE, TOOH FOR CASING Time Log Unschd Type Start Time End Time Start Depth (ft, KB) End Depth (ft, KB) Dur (hr) Code Sub - Code hr) Activity
0.50 DIRECTIONAL 06:00 06:30 DRI 6,322.0 6,350.0 DIRECTIONAL DRILL FROM 6322' TO 6350' =28' , WOB 36K-40K RPM 50, 740 GPM DRILL 06:30 07:00 0.50 RIG REPAIR RIG WORK ON #2 PUMP. TRASH 6.350.0 6.350.0 2 Rig UNDER VALVE Repair 07:00 DIRECTIONAL DIRECTIONAL DRILL FROM 14:00 7.00 DRL 6,350.0 6,925.0 6350' TO 6925' =575' , WOB 36K -40K RPM 50, 740 GPM DRILL 14:00 14.30 0.50 SURVEY SHR 6.925.0 6.925.0 CONN & SURVEYS 14:30 15:00 0.50 RIG SERVICE RIG 6,925.0 6,925.0 SERVICE RIG AND INSPECT TOP DRIVE AND TOP DRIVE TRAVELING ASSEMBLY 15:00 16:00 1.00 DIRECTIONAL DRL 6.925.0 7.019.0 DIRECTIONAL DRILL FROM 6925' TO 7019' =94' , WOB 36K-40K RPM 50, 740 GPM DRILL 16:00 16:30 CIRCULATE/C CIRC 7,019.0 7,019.0 CIR & DISPLACE TO MUD ONDITION 16:30 DIRECTIONAL DRL DIRECTIONAL DRILL FROM 19:00 2.50 7.019.0 7019' TO 7209' =190' , WOB 36K -40K RPM 60, 725 GPM DRILL 0.50 SURVEY 7 209 0 SURVEYS AND CONNECTIONS 19:00 19:30 SUR 7 209 0 19:30 01:00 5.50 DIRECTIONAL DRL 7,209.0 7.589.0 DIRECTIONAL DRILL FROM 7209' TO 7589' =380' , WOB 36K -40K RPM 50, 740 GPM DRILL 01:00 01:30 0.50 SURVEY SUR SURVEYS AND CONNECTIONS 7.589.0 7.589.0 01:30 02:00 0.50 RIG SERVICE RIG 7,589.0 SERVICE RIG AND INSPECT 7,589.0 TOP DRIVE AND TOP DRIVE TRAVELING ASSEMBLY MISCELLANE 02:00 02:30 OTH PUMPS AIRED UP 0.50 7.589.0 7.589.0 OUS DIRECTIONAL DRILL FROM DIRECTIONAL 02:30 05:00 2.50 DRI 2 7.589.0 7.875.0 7589' TO 7875' =286' , WOB 36K DRILL -42K RPM 60, 725 GPM SURVEYS AND CONNECTIONS 1.00 SURVEY 05:00 06:00 SUR 7,875.0 7.875.0 **Head Count / Man Hours** Туре Employee Type Count Reg Work Time (hr) Tot Work Time (hr) Casing Strings Dens Fluid OD (in) Set Depth (ft, KB) Top (ft, KB) Run Date Drift Min (in) Wt/Len (lb/ft) P LeakOff (psi) (lb/gal) PRODUCTION CASING CONDUCTOR 20 25.0 8/2/2016 18.54 105.0 133.00 SURFACE CASING 13 3/8 536.0 -5.3 10/1/2016 54.50 INTERMEDIATE CASING 9 5/8 8,128.0 -5.9 40.00



10/5/2016 06:00 - 10/6/2016 06:00

Report# 6

Well Name: UNIVERSITY 7-0213 N 05SC

**DFS 6.0** 

					1			T=		12	
		-				BASIN [	DIVISION	Field Name SPRABERRY		Spud Date 9/30/2016	
	I		State			Gro	ound Elevation	(ft)		KB Elevation (ft)	
			IEXAS			2,	911		2,936		
									Cum Fie	eld Est To Date (Cost)	
		5	SURFACE	CASING,	536.0ft, KB	2,	380,100.00	)	386,7	71.51	
nary	We	ellbore Na	ame		End Depth (ft,	KB)		Progress (ft)		Daily Field Est Total	(Cost)
					8,148.0	,		273		51,417.06	
ime		Good	dition		3.50	lours (hr)		78.0	ft/hr)	5.75	ne Log Days (days)
	@ 4200'										
NG	FROM 78	375' TO	8148 ' TD	, CBU, SH	ORT TRIP TO	4500', C	BU, TOH A	AND LD DIRECTIO	ONAL TOOLS, R	G UP CASING C	REW AND
	RC AND	CEMEN	NT 1ST ST	AGE, CIR	C, CEMENT 2I	ND STA	GE, CEME	NT WITH ALLIED	, SET PACK OF	F, AND PREP RIC	G TO SKID
				•	,		,		•		
							Unschd				
1 Time		DIREC	CTIONAL	DRL	e Sub	- Code	Туре	7,875.0		DRILL FROM 78 @78 FPH WOB	
0	0.50	SURV	ΈΥ	SUR	1			8,148.0	8,148.0	SURVEY AND C	ONNECTIONS
0	2.00			CIRC	1			8,148.0	8,148.0		
0	2.00	SHOR	T TRIP	TRP	14			8,148.0	8,148.0	SHORT TRIP UP ISSUES	TO 4500' NO
0	2.00			CIRC	1			8,148.0	8,148.0		
0	7.00	TRIP		TRP	2			8,148.0	8,148.0	CASING (WORK HOLE FROM 19 BIT, MM, MONEI	THRU TIGHT 83' TO 1140') LD _, THRUSTER
0	0.50	MISCE	ELLANE	ОТН				8,148.0	8,148.0	PULL WEAR BU	SHING
0	1.00			CSG	1			8,148.0	8,148.0	PJSM, RIG UP C AND CRT TOOL	ASING CREW
0	5.50	RUN (	CASING	CSG	2			8,148.0	8,148.0	TEST FLOATS, F CASING (WORK HOLE FROM 10 WITH DV TOOL	RUN 9 5/8 THRU TIGHT 50' TO 1258') SET AT 5551'
n Hours					<u>'</u>					_	
Compa	any				Туре		Em	ployee Type	Count	Reg Work Time (hr	) Tot Work Time (hr)
	OD (i	(in)	Set Depth (f	ft, KB)	Top (ft, KB)	R	un Date	Drift Min (in)	Wt/Len (lb/ft)	Dens Fluid (lb/gal)	P LeakOff (psi)
ASING NG CASING			8	105.0 536.0 ,128.0	-5.3	10/1/20	016	18.54	54	50	
-		3 3/8	8	536.0	-5.3	10/1/20	016	18.54	54	50	
	E DRILL NG IPeriod SING, CI Time O O O O O O O O O O O O O O O O O O O	S   S   S   S   S   S   S   S   S   S	S- , SVY   S   S   S   S   S   S   S   S   S	Wellbore Name   Original Hole   Hole Condition   Good   Good   Hole Condition   Good   Good   Hole Condition   Good   Goo	S- , SVY,   State   TEXAS	S- , SVY,   PERMIAN   State   TEXAS	S- , SVÝ,   PERMIAN BASIN E   TEXAS   Z,   State   TEXAS   Z,   Z,	S- , SVY.   PERMIAN BASIN DIVISION   State   TEXAS   Ground Elevation   2,911   2,380,100.00   3,500	S- , SVY,   PERMIAN BASIN DIVISION   SPRABERRY	S- , SVY,   PERMIAN BASIN DIVISION   SPRABERRY	S. S. SV.   PERMIAN BASIN DIVISION   SPRABERRY   9/30/2016     State   State   Ground Elevation (b)   2,936     State Careing String   State Cacks   2,931   2,936     State Cacks   State   2,936   2,936   2,336



10/6/2016 06:00 - 10/7/2016 06:00

Well Name: UNIVERSITY 7-0213 N 05SC

Report# 7

DFS 7.0

Well Info Spud Da 42-317-40526 PERMIAN BASIN DIVISION 9/30/2016 SPRABERRY SVY. S- . MARTIN **TEXAS** 2.911 2.936 Job Summary Cum Field Est To D 690,085.67 JOB AFE AMOUNT 2,380,100.00 Job Category DRILLING SURFACE CASING, 536.0ft, KB Daily Ops Summary Ibore Name UNIT 103 303,314.16 Original Hole 8,148.0 lo Drilling Hours (hr) Avg ROP (ft/hr) Cum Time Log Days (days) Hole Condition Weather Clear Good 6.60 Operations at Report Time RIG RELEASED TO THE UL 7-0213 N 06SA RUN 9 5/8 CASING - CEMENT 1ST STAGE, CIRC, CEMENT 2ND STAGE AND CLOSE DV TOOL, FLUSH BOP, SET PACKOFF, DISCONNECT LINES AND PREP TO SKID, PU BOP Operations Next Report Period Time Log Unschd Type End Time Sub - Code Start Depth (ft, KB) End Depth (ft, KB) Dur (hr) Code 8,148.0 RUN 9 5/8 CASING FROM 4200' TO 8128. FILL PIPE AT 5500' 06:00 10:00 4.00 RUN CASING CSG 8.148.0 AND 8000' WASH LAST 2 JOINTS TO BOTTOM AND TAG, L/D TAG JOINT, MAKE UP CASING HANGER AND LAND CASING. 10:00 11:00 CIRCULATE/C CIRC 8,148.0 8,148.0 CIRC CASING - RIG DOWN CASING CREW AND RIG UP ONDITION **CEMENTERS** CEMENTING PJSM, RIG DOWN VOLANT 11:00 14:30 CMT 8.148.0 8.148.0 TOOL, RIG UP CEMENT HEAD AND TEST TO 4500 PSI, PUMP 1ST STAGE OF 20 BBLS OF WATER SPACER, 20 BBLS OF GEL SPACER, 218 BBLS OF 11.8# LEAD CEMENT AND 44 BBLS OF 14.2# TAIL CEMENT DISPLACED WITH 199 BBLS OF WATER FOLLOWED BY 413 BBLS OF 9.7# BRINE DROP BOMB OPEN DV TOOL 14:30 15:30 1.00 CEMENTING CMT 8,148.0 8,148.0 WITH 700PSI, CIRCULATE 20 BBLS WITH ALLIED, CIRCULATE CEMENT OUT OF 15:30 20:30 CIRCUI ATE/C CIRC 8.148.0 8.148.0 5.00 HOLE 60 BBLS BACK TO ONDITION SURFACE, REDUCE PUMPS TO 215 GPM, AND CONTINUE CIRCULATING TILL 2030 PJSM, PUMP CEMENT WITH 20:30 00:30 4.00 CEMENTING 8.148.0 CMT 8.148.0 2 ALLIED, 1715 SKS, 667 BBLS OF 11.8 CEMENT, AND 475 SKS 118 BBLS IF 14.8 # TAIL CEMENT, DROP PLUG AND DISPLACE WITH FRESH WATER 421 BBLS, FCP 1350PSI, BRING PRESURE UP TO 2900 PSI TO CLOSE DV TO 73 BBLS OF CEMENT TO SURFACE, LOST RETURNS 393 BBLS INTO DISPLACEMENT FLUSH BOP AND RIG DOWN 00:30 01:30 1.00 MISCELLANE ОТН 8.148.0 8.148.0 CEMENTERS, SET PACK OFF AND TEST TO STREAM FLO ous SPECS 5K BREAK CHOKE LINES AND 01:30 1.00 NU/ND BOP BOF 8,148.0 02:30 8.148.0 MUD LINES, REMOVE FLOW LINE, PREP RIG TO SKID, ND BOP AND REMOVE STUDS RIG RELEASE 02:30 10/7/16 FOR SKID TO UL-7-0213 N 06SA Head Count / Man Hours Employee Type Reg Work Time (hr) Tot Work Time (hr) Туре



10/6/2016 06:00 - 10/7/2016 06:00

Report# 7

**DFS 7.0** 

Wall Namo:	UNIVERSITY	7-0212 N	1 0590
weii name:	UNIVERSITY	/-UZ13 P	1 いつろし

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)					
PRODUCTION CASING													
CONDUCTOR	20	105.0	25.0	8/2/2016	18.54	133.00							
SURFACE CASING	13 3/8	536.0	-5.3	10/1/2016		54.50							
INTERMEDIATE CASING	9 5/8	8,128.0	-5.9	10/6/2016		40.00							
				_									



10/27/2016 01:00 - 10/27/2016 06:00

***************************************	lame: UN	IVERSIT	Y 7-	0213 N	05SC							Report# 8
	idilio. Oi	IV EIXOII		021014	0000							DFS 8.0
Well Info												
API 42-317-4052	26		rface Le	egal Location	ı	Division PERMIAN	BASIN DIVI	SION	Field Name SPRABERRY		Spud Date 9/30/2016	
County	20		, 00	State		I LIXIVIIAIV	_	Elevation (		Original	KB Elevation (ft)	
MARTIN				TEXAS			2,911			2,936		
Job Summa  Job Category	ary			Last Casing	String		LIOR AF	E AMOUN	T (Cost)	Cum Fig	ld Est To Date (Cost)	
DRILLING						CASING, 8,128.0ft,		,100.00	1 (0031)	673,52		
Daily Ops S	Summary											
RIG UNIT 103			ellbore N riginal			End Depth (ft, 8,148.0	KB)		Progress (ft)		Daily Field Est Tot 4,528.33	al (Cost)
Weather CLEAR			Hole Co			Drilling H	lours (hr)		Avg ROP (	t/hr)	Cum Ti 6.81	me Log Days (days)
Operations at Re	eport Time TESTING B		Good								[0.01	
Operations Sum	nmary		N 05	SC AND	CENTER	R OVER WELL HE	AD PIG III		I/II AETED SKID	DDEQQLIDE TEX	ET BOD'S	
Operations Next		11 7-0213	14 03	3C AND	CENTER	OVER WELL HE	AD, KIG UI	ANDIN	VO AFTER SKID,	FRESSURE TEX	or bor 3	
FINISH TES	STING BOP'S	P/U DIRE	CTIO	NAL TOC	LS, TIH,	DRILL OUT DV, T	TH, TEST C	ASING,	DRILL FE. DISP	LACE TO OBM, I	DRILL AHEAD	
Time Log												
Start Time	End Time	Dur (hr)		Activity		Code Sub - Cod		Unschd Type	Start Depth (ft, KB)	End Depth (ft, KB)		Com
	03:00		MOV	Æ RIĞ	LOC	3		,	8,148.0	8,148.0	SKID RIG TO U 0213 N 05 SC A OVER WELL H	ND CENTER
03:00	05:30	2.50	NU/N	ND BOP	ВОР	1			8,148.0	8,148.0	NIPPLE UP AND RIG UP A SKID	
05:30	06:00	0.50	TES	ГВОР	ВОР	2			8,148.0	8,148.0	PRE JOB SAFETY MEETIN BEGIN TESTING CHOKE MANIFOLD	
Head Count	t / Man Hours	6				<b>-</b>						
	Com	oany				Туре		Employee Type		Count	Reg Work Time (h	nr) Tot Work Time (h
	nac											
Cacina Stri	iigs			Set Dept	h (ft, KB)	Top (ft, KB)	Run D	ate	Drift Min (in)	Wt/Len (lb/ft)	Dens Fluid (lb/gal)	P LeakOff (psi)
Cs	sg Des	OD (i	n)									
PRODUCTION	ON CASING	OD (i										
Cs	ON CASING OR		20 3 3/8		105.0 536.0	25.0 -5.3			18.54	133. 54.		



10/27/2016 06:00 - 10/28/2016 06:00

Report# 9

Well Name: UNIVERSITY 7-0213 N 05SC

**DFS 9.0** 

Well Info														
API 42-317-405	526		rface Legal Location , SVY,		Division PERI		BASIN [	DIVISION	Field Name SPRABERRY		Spud Date 9/30/2016			
County		1-	State		<u> </u>		Gr	ound Elevation			KB Elevation (ft)			
MARTIN Job Summ	arv		TEXAS				[2,	911		2,936				
Job Category	ai y		Last Casing	String			JO	B AFE AMOUN	T (Cost)	Cum Fie	eld Est To Date (Cost)			
DRILLING			INTERME KB	EDIATE C	ASING, 8,12	28.0ft,	2,	380,100.00		731,0	59.17			
Daily Ops 3	Summary		, no											
RIG UNIT 103			ellbore Name riginal Hole		End De 8,640	epth (ft, k	(B)		Progress (ft) 492		Daily Field Est Tota 57,533.13	l (Cost)		
Weather		<u> </u>	Hole Condition		D	rilling Ho	urs (hr)		Avg ROP (	ft/hr)	Cum Tir	ne Log Days (days)		
CLEAR Operations at R	Report Time		Good		[6	5.00			82.0		7.81			
ROTARY D	RILLING													
EQUIP, DIS	ESSURE TE SPLACE TO (		P'S, P/U DIREC RY AND SLIDE					ST SAME,	TIH, DRILL OUT	DV TOOL, PSI T	OL, PSI TEST CASING, DRILL F			
Operations Nex		TOOH FOR	CURVE ASSE	MBLY, C/	O DIRECTION	ONAL	TOOLS	S, TIH WITH	H CURVE ASSEM	IBLY, BEGIN DR	ILLING CURVE			
Time Log				<u> </u>				-		·				
Start Time	End Time	Dur (hr)	Activity		Code	Sub	- Code	Unschd Type	Start Depth (ft, KB)	End Depth (ft, KB)		Com		
06:00	11:30		TEST BOP	ВОР	2		- Code	Туре	8,148.0		TEST BOP, CHO			
											PSI LOW, 5000 250 LOW, 3500			
11:30	12:00		TEST BOP	BOP	2				8,148.0		R/D TESTERS	0.7507		
12:00 14:00	14:00 17:30		PU/LD BHA TRIP	TRP	2				8,148.0 8,148.0	,	P/U DIR TOOLS			
17:30	18:30		DRILL	DRL	4				8,148.0	,	DRILL OUT DV			
			CEMENT/EQU PMENT						3,11313	3, 10.0	22			
18:30	19:30		TRIP	TRP	2				8,148.0	,	TIH TO FLOAT			
19:30	20:00	0.50	RIG REPAIR	RIG	2			Equip ment Failure	8,148.0	8,148.0	CHANGE OUT S PACKING	SWIVEL		
20:00	21:00	1.00	PRESSURE TEST CASING	EQT	1				8,148.0	8,148.0	FILL PIPE, TAG IN, PRESSURE CASING TO 150 MINUTES			
21:00	22:00	1.00	DRILL CEMENT/EQU PMENT	DRL I	4				8,148.0	8,158.0	DRILL OUT FLC EQUIPMENT, CI OF NEW HOLE			
22:00	23:00	1.00	CIRCULATE/C ONDITION	CIRC	1				8,158.0	8,158.0	DISPLACE TO (	DIL BASE MUD		
23:00	02:30	3.50	DIRECTIONAL DRILL	. DRL	2				8,158.0	8,419.0	DIRECTIONAL I TO 8,419 =261' RPM, AND 550 ( 1 SLIDE = 14'	28-30K WOB,70		
02:30	03:00	0.50	RIG SERVICE	RIG	1				8,419.0	8,419.0	RIG SERVICE, I DRIVE AND TOP TRAVELING AS	PDRIVE		
03:00	05:30	2.50	DIRECTIONAL DRILL	. DRL	2				8,419.0	8,640.0	DIRECTIONAL I TO 8,640 =221' RPM, AND 550 ( 1 SLIDE = 10'	28-30K WOB,70		
05:30	06:00		SURVEY	SUR	1				8,640.0	8,640.0	SURVEYS AND	CONNECTIONS		
Head Coun	nt / Man Hou	rs npany			Type				oloyee Type	Count	Reg Work Time (h	r) Tot Work Time (hr)		
	Col	прапу			туре			EIII	лоуее туре	Count	Reg Work Time (II	i) Tot work time (iii)		
Casing Str	ings	_								_		_		
	Csg Des	OD (i	in) Set Depth	(ft, KB)	Top (ft, KE	3)	R	un Date	Drift Min (in)	Wt/Len (lb/ft)	Dens Fluid (lb/gal)	P LeakOff (psi)		
CONDUCT	ION CASING	5	20	105.0		25.0	8/2/20	16	18.5	4 133	00			
SURFACE		1:	3 3/8	536.0			10/1/2		10.5		.50			
	IATE CASIN		9 5/8	8,128.0			10/6/2			40				



10/28/2016 06:00 - 10/29/2016 06:00

Report# 10

Well Name: UNIVERSITY 7-0213 N 05SC

DFS 10.0

															סרט	10.0
Well Info			Surface	Legal Location		- 1	Division				Field Name		Ις	pud Date		
42-317-40	526		S-, S				PERMIAN I	BASI			SPRABERRY		9	/30/2016		
County MARTIN				State TEXAS					Ground Eleva	ition (	ft)	Origina 2,936		Elevation (ft)		
Job Summ	nary			1127010					2,511			2,000				
Job Category				Last Casing S		A OINIO	0.400.064	JOB AFE AMOUNT (Cost)			Γ (Cost)			st To Date (Cost)		
DRILLING				KB	JIATEC	ASING	6, 8,128.0ft,		2,380,100	.00		801,3	57.6	35		
Daily Ops	Summary															
RIG UNIT 103			Wellbore	Name al Hole	End Depth (ft, KB) 9,005.0						Progress (ft) 365			aily Field Est Tota 0,298.68	I (Cost)	
Weather				Condition			Drilling H	ours (h	nr)		Avg ROP	(ft/hr)			ne Log Da	ys (days)
Operations at I	Report Time		Goo	u			7.00				52.1			8.81		
TROUBLE Operations Su	SHOOT MW	'D														
ROTARY D									C/O DIREC	TIO	NAL TOOLS, TIF	H CHANGING BA	ND F	IARDBAND F	PIPE, W	ASH
	xt Report Period VD FAILURE	, DRILL /	AHEAD	BUILDING (	CURVE,	, SURV	EYS AND	CON	NECTIONS	S, R	IG SERVICE AN	D TD INSPECTION	ON			
Time Log																
Start Time	End Time	Dur (hr)		Activity		Code	Sub	- Cod	Unscle Type		Start Depth (ft, KB)	End Depth (ft, KB)		(	Com	
06:00	12:00			ECTIONAL	DRL		2		31		8,640.0		то	RECTIONAL [ 8,970 =330' M, AND 550 (	ORILL F. 28-30K	
12:00	12:30	1	50 SU		SUR		1				8,970.0	8,970.0	cc	NN & SURVE	YS	
12:30	13:00	0.		CULATE/C	CIRC		1				8,970.0	8,970.0	CIF	R BTM'S UP		
13:00	13:30	0	50 SU	DITION	SUR		1			-	8,970.0	8 970 0	S/N	// & DRIP GY	30	
13:30	18:30		00 TRI		TRP		2			+	8,970.0			H F/CURVE		
18:30	19:00	0.	50 SU	RVEY	SUR		1				8,970.0	8,970.0	RE	TRIEVE GYR	O AND	L/D
19:00	20:00	1.0	00 RIG	SERVICE	RIG		1				8,970.0	8,970.0	DR	CK UP RIG A ILL COLLAR OM ELEVATO	S HANG	
20:00	21:00	1.0	00 PU	LD BHA	TRP		1				8,970.0	8,970.0	sc	DIRECTION RIBE ORIEN ME		
21:00	02:30	5.	50 TRI	Р	TRP		2				8,970.0	8,970.0	HC AS	U BIT AND TF DLE WITH CU SEMBLY, CH D HARD BAN	RVE ANGINO	OUT
02:30	03:00		AM	SHING/RE ING	REAM		1				8,970.0	•	LA:	FETY WASH ST STAND TO	BOTT	MC
03:00	04:00	1.0	00 DIR DR		DRL		2				8,970.0	9,005.0	TO	RECTIONAL [ 9047 =77' 2 M, AND 500 (	8-30K V	
04:00	05:00	1.0	00 SU	RVEY	SUR		1				9,005.0	9,005.0	su	RVEYS AND	CONNE	CTIONS
05:00	06:00	1.0	00 SUI	RVEY	SUR		1				9,005.0	9,005.0	PU CH ML	OUBLE SHO LSES LOSIN IANGE TRAN JD LINE SCR -CYCLES	G PRES	SURE, R AND
Head Cour	nt / Man Hou	rs mpany				Тур	20		1	Emn	loyee Type	Count	1 6	Reg Work Time (h	t)   Tot \\/	ork Time (hr)
	001	прапу				1 9 1	Je			СШР	loyee Type	Count	Τ.	teg work fille (if	100.44	ork Time (III)
Casing Str	rings															
	Csg Des	0	D (in)	Set Depth (	ft, KB)	Тор	p (ft, KB)		Run Date		Drift Min (in)	Wt/Len (lb/ft)		Dens Fluid (lb/gal)	P Lea	akOff (psi)
	TON CASING	9			405.0		0.5.0	0 (0 )	(00.10		40.5					
CONDUCT SURFACE			20 13 3/8		105.0 536.0		25.0 -5.3		2016 1/2016		18.5		.00			
	DIATE CASIN	ig	9 5/8		,128.0		27.1		6/2016				.00			
THE STATE OF THE S			3 3/0		, . 20.0		£1.1	110/1				1	.50			



10/29/2016 06:00 - 10/30/2016 06:00

Report# 11

DEG 11 0

Well Name: UNIVERSITY 7-0213 N 05SC

NAV - 11 1 - C -										DFS 11.0		
Well Info		I e.	urface Legal Location		Division		Field Name		Spud Date			
42-317-40 County	526		- , SVY,			BASIN DIVISION Ground Elevati	SPRABERRY		9/30/2016 KB Elevation (ft)			
MARTIN			TEXAS			2,911	on (it)	2,936				
Job Sumn	nary											
Job Category DRILLING			Last Casing S INTERME KB		ING, 8,128.0ft,	2,380,100.		Cum Fic 845,5	eld Est To Date (Cost) 77.65			
Daily Ops	Summary											
RIG UNIT 103			ellbore Name riginal Hole		End Depth (ft, h 9,635.0		Progress (ft) 630		Daily Field Est Total (Cost) 44,219.80			
Weather CLEAR			Hole Condition Good		Drilling Ho	ours (hr)	Avg ROP 60.0	(ft/hr)	Cum Tir 9.81	ne Log Days (days)		
Operations at BUILDING					•		•		•			
SERVICE A	SHOOT MW AND TD INSP		D PUMP SLUG,	ROUND TRI	IP FOR MWD	C/O, DRILL AHE	AD BUILDING CUF	RVE, SURVEYS A	AND CONNECTION	ONS, RIG		
	ext Report Period RVE, CIRC Al	ND TRIP FO	OR LATERAL AS	SEMBLY, D	RILL AHEAD II	N LATERAL						
Time Log												
Start Time	End Time	Dur (hr)	Activity	Code	e Sub	- Code Type	Start Depth (ft, KB)	End Depth (ft, KB)		Com		
06:00	07:00		CIRCULATE/C ONDITION	CIRC	1	MWD Failure	9,005.0		TROUBLE SHO			
07:00	10:30	3.50	TRIP DUE TO FAILURE	TRP	13	MWD Failure	9,005.0	9,005.0	TOH FOR MWD F/HARDBANDIN	•		
10:30	12:00	1.50	PU/LD BHA	TRP	1	MWD Failure	9,005.0	9,005.0	C/O MWD, MUL SCRIBE & TEST			
12:00	15:30	3.50	TRIP	TRP	2	MWD Failure	9,005.0	9,005.0	TIH			
15:30	00:00	8.50	DIRECTIONAL DRILL	DRL	2		9,005.0	9,477.0	DIRECTIONAL I CURVE F/9005' 28-30K WOB,16 500-550 GPM			
00:00	02:30	2 50	SURVEY	SUR	1		9,477.0	9 477 0	SURVEYS AND	CONNECTIONS		
02:30	03:00		RIG SERVICE	RIG	1		9,477.0	,	RIG SERVICE, I			
					1		,	,	DRIVE AND TO TRAVELING AS	P DRIVE SEMBLY		
03:00	05:00	2.00	DIRECTIONAL DRILL	DRL	2		9,477.0	9,635.0	DIRECTIONAL I CURVE F/9477' 28-30K WOB,16 550 GPM			
05:00	06:00	1.00	SURVEY	SUR	1		9,635.0	9,635.0	SURVEYS AND	CONNECTIONS		
Head Cou	nt / Man Hou	rs										
	Con	npany			Туре	E	Employee Type	Count	Reg Work Time (h	r) Tot Work Time (hr)		
Casing St	rings											
	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)		
	TION CASING			,					, ,	37		
CONDUCT	ΓOR		20	105.0	25.0	8/2/2016	18.5	4 133	.00			
SURFACE	CASING	1	3 3/8	536.0	-5.3	10/1/2016		54	.50			
INTERME	DIATE CASIN			8,128.0	27.1	10/6/2016		40	.00			



10/30/2016 06:00 - 10/31/2016 06:00

Report# 12

DFS 12.0

Well Name: UNIVERSITY 7-0213 N 05SC

Well Info															
API 42-317-405	526	<b>I</b>	Surface L	egal Location		Divis		BASII	N DIVISIO	DN.	Field Name SPRABERRY			Spud Date 9/30/2016	
County	<i>5</i> 20	I`	<u> </u>	State			T CIVIII (I 4 I	5/ (011	Ground Ele					B Elevation (ft)	
MARTIN  Job Summ	arv			TEXAS					2,911			2,9	36		
Job Category	·· <b>y</b>			Last Casing S					JOB AFE A		T (Cost)			d Est To Date (Cost)	
DRILLING				INTERMEI KB	DIATE C	ASING, 8	,128.0ft,		2,380,10	00.00		914	4,55 <sup>°</sup>	7.54	
Daily Ops	Summary														
UNIT 103		<b>I</b>	Wellbore Origina	l Hole			Depth (ft, 120.0				Progress (ft) 485			Daily Field Est Total (68,979.89	`
Weather CLEAR			Good	ondition 			Drilling Horizon	ours (h	nr)		Avg ROP (	ft/hr)		10.79	Log Days (days)
Operations at F	D GAMMA														
LATERAL,	RVE, TOOH I SURVEYS A										H, CUT AND SLII P F/ MWD FAILU		RO	TARY AND SLID	E DRILL IN
	xt Report Period IP FOR MW	D FAILUR	E ROT	ARY AND S	LIDE DI	RILL IN L	ATERAL	, SUF	RVEYS A	ND C	CONNECTIONS, I	RIG SERVICE	ANI	O TD INSPECTIO	N, CLEAN UP
Time Log															
Start Time	End Time	Dur (hr)		Activity		Code	Sub	- Code		schd pe	Start Depth (ft, KB)	End Depth (ft, Ki	3)	Co	m
06:00	10:00	4.0	0 DIRI DRII	ECTIONAL LL	DRL		2				9,635.0	9,888	2	DIRECTIONAL DE CURVE F/9635' T 28-30K WOB,16-2 550 GPM	O 9888 =253'
10:00	12:00	2.0	0 SUR	RVEY	SUR		1				9,888.0	9,888	3.0	SURVEYS AND C	ONNECTIONS
12:00	16:30	4.5	0 TRIF	)	TRP		2				9,888.0	9,888		TOH F/LATERIAL ITS F/HARDBANI	,
16:30	18:30	2.0	0 PU/L	D BHA	TRP		1				9,888.0	9,888	0.0	C/O DIR TOOLS	& TEST
18:30	22:00	3.5	0 TRIF	•	TRP		2				9,888.0	9,888		TIH TO SHOE, P/ PSI BEFORE, PS	
22:00	23:00	1.0	0 CUT LINE	DRILL	RIG		6				9,888.0	9,888	3.0	SLIP & CUT DRLO	3 LINE
23:00	23:30	0.5	0 RIG	SERVICE	RIG		1				9,888.0	9,888	[	RIG SERVICE, IN DRIVE AND TOP FRAVELING ASSI	DRIVE
23:30	00:00	0.5	0 TRIF	)	TRP		2				9,888.0	9,888	F	CONT TIH, SAFE REAM LAST STAI BOTTOM	
00:00	02:00	2.0	0 DIRI DRII	ECTIONAL LL	DRL		2				9,888.0	10,120		DIRECTIONAL DE TO 10120 =232' 2 WOB,50-70 RPM GPM	23-26K
														SLIDES= 15;'	
02:00	02:30		0 SUR	RVEY CULATE/C	SUR		1		MW	,	10,120.0 10.120.0	10,120		CONN & SURVEY	
02:30	03:30		ONE	OITION			1		Fail	ure	-,	10,120	0.0	JIK, BUILD & PUI	IVIP SLUG
03:30	05:30	2.0	-	DUE TO URE	TRP		13		MW Fail		10,120.0	10,120	0.0	FOH F/MWD	
Head Cour	nt / Man Hou		•		•				,			1 .		In	l = =
	Coi	mpany				Туре				Emp	oloyee Type	Count		Reg Work Time (hr)	Tot Work Time (hr
Casing Str	rings													<u> </u>	
	Csg Des		(in)	Set Depth (	ft, KB)	Top (ft.	, KB)		Run Date		Drift Min (in)	Wt/Len (Ib	/ft)	Dens Fluid (lb/gal)	P LeakOff (psi)
	ION CASING	3	00		405.0		05.0	0/0/	2010		40.5		00.0		
CONDUCT SURFACE			20 13 3/8		105.0 536.0		-5.3		2016 1/2016		18.5		33.0 54.5		
	DIATE CASIN		9 5/8		336.0		-5.3 27.1		6/2016				54.5 40.0		
		•													



10/31/2016 06:00 - 11/1/2016 06:00

Report# 13

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

**DFS 13.0** 

Well Name: UNIVERSITY 7-0213 N 05SC

Well Info API 42-317-40526 County Surface Legal Location S- , SVY, State Spud Date 9/30/2016 PERMIAN BASIN DIVISION SPRABERRY Original 2,936 MARTIN TEXAS 2,911 Job Summary
Job Category
DRILLING

Last Casing String
INTERMEDIATE CASING, 8,128.0ft, JOB AFE AMOUNT 2,380,100.00 Cum Field Est To Date (Cost) 974,254.49

Daily Ops Summary

Wellbore Name Original Hole Hole Condition End Depth (ft, 11,848.0 Daily Field Est 59,696.95 Progres 1728 UNIT 103 CLEAR 11.50 150.3 11.79 Good

ROTARY DRILLING AT 222'/HR

FINISH TRIP FOR MWD, SAFETY WASH LAST STAND TO BOTTOM, ROTARY AND SLIDE DRILL IN LATERAL, SURVEYS AND CONNECTIONS,RIG SERVICE AND TOP DRIVE INPSECTION

Operations Next Report Period

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

⊺ime	
IIIIE	LUU

Tille Log									
Start Time	End Time	Dur (hr)	Activity	Code	Sub - Code	Unschd Type	Start Depth (ft, KB)	End Depth (ft, KB)	Com
06:00	08:00	2.00	TRIP	TRP	2	MWD Failure	10,120.0	10,120.0	TOH FOR MWD
08:00	09:30	1.50	PU/LD BHA	TRP	1	MWD Failure	10,120.0	10,120.0	C/O MWD, CHECK SCRIBE, TEST NEW MWD
09:30	14:00	4.50	TRIP	TRP	2	MWD Failure	10,120.0	10,120.0	TIH, RETEST AGITATOR 140 PSI DIFF.
14:00	14:30	0.50	WASHING/RE AMING	REAM	1		10,120.0	10,120.0	WASH AND REAM LAST STAND TO BOTTOM
14:30	19:30	5.00	DIRECTIONAL DRILL	DRL	2		10,120.0	10,968.0	DIRECTIONAL DRILL F/10,120' TO 10968 =848' 23-26K WOB,60-70 RPM, AND 550 GPM
									5 SLIDES= 70'
19:30	21:30	2.00	SURVEY	SUR	1		10,968.0	10,968.0	SURVEYS AND CONNECTIONS
21:30	01:00	3.50	DIRECTIONAL DRILL	DRL	2		10,968.0	11,436.0	DIRECTIONAL DRILL F/10,968' TO 11436 =468' 23-26K WOB,60-70 RPM, AND 550 GPM
									3 SLIDES= 58'
01:00	02:00	1.00	SURVEY	SUR	1		11,436.0	11,436.0	SURVEYS AND CONNECTIONS
02:00	02:30	0.50	RIG SERVICE	RIG	1		11,436.0	11,436.0	RIG SERVICE, INCPECT TOP DRIVE AND TOP DRIVE TRAVELING ASSEMBLY
02:30	05:30	3.00	DIRECTIONAL DRILL	DRL	2		11,436.0	11,848.0	DIRECTIONAL DRILL F/11,436' TO 11,848 =412' 24-26K WOB,60-70 RPM, AND 550 GPM 1 SLIDES= 10'
05:30	06:00	0.50	SURVEY	SUR	1		11,848.0	11,848.0	SURVEYS AND CONNECTIONS
			l	I.			,	,	

Head Count / Man Hours

						I I			
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)	
PRODUCTION CASING									
CONDUCTOR	20	105.0	25.0	8/2/2016	18.54	133.00			
SURFACE CASING	13 3/8	536.0	-5.3	10/1/2016		54.50			
INTERMEDIATE CASING	9 5/8	8,128.0	27.1	10/6/2016		40.00			

Employee Type



11/1/2016 06:00 - 11/2/2016 06:00

TO 13.530 =863' 24-26K WOB,60-70 RPM, AND 550

70 RPM, AND 550 GPM

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

Count

20.00

Report# 14

**DFS 14.0** 

Well Name: UNIVERSITY 7-0213 N 05SC

DRILL

5 1/2

Well Info Surface Legal Location S-, SVY, Spud Da 42-317-40526 PERMIAN BASIN DIVISION SPRABERRY 9/30/2016

MARTIN **TEXAS** 2.911 2.936

Job Summary

Cum Field Est To D 1,031,470.53 Job Category DRILLING Last Casing String INTERMEDIATE CASING, 8,128.0ft, 2,380,100.00

Daily Ops Summary

End Depth (ft, 14,091.0 Daily Field Est 57,216.04 Progres 2243 UNIT 103 Original Hole 16.50 12.79 **CLEAR** Good 135.9

CLEAN UP CYCLE

ROTARY AND SLIDE DRILL IN LATERAL, SURVEYS AND CONNECTIONS, RIG SERVICE AND TOP DRIVE INSPECTION, CLEAN UP CYCLES

	COTARY AND SLIDE DRILL IN LATERAL, SURVEYS AND CONNECTIONS, RIG SERVICE AND TOP DRIVE INSPECTION											
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	08:00	2.00	DIRECTIONAL DRILL	DRL	2		11,848.0	12,101.0	DIRECTIONAL DRILL F/11,848' TO 12,101 =253' 24-26K WOB,60-70 RPM, AND 550 GPM 1 SLIDES= 20'			
08:00	08:30	0.50	CIRCULATE/C ONDITION	CIRC	1		12,101.0	12,101.0	CLEAN UP CYCE@12101'			
08:30	13:00	4.50	DIRECTIONAL DRILL	DRL	2		12,101.0	12,667.0	DIRECTIONAL DRILL F/12,101' TO 12,557 =566' 24-26K WOB,60-70 RPM, AND 550 GPM 4 SLIDES= 90'			
13:00	14:00	1.00	SURVEY	SUR	1		12,667.0	12,667.0	SURVEYS AND CONNECTIONS			
14:00	14:30	0.50	RIG SERVICE	RIG	1		12,667.0	12,667.0	RIG SERVICE, INCPECT TOP DRIVE AND TOP DRIVE TRAVELING ASSEMBLY			
14:30	20:00	5.50	DIRECTIONAL	DRL	2		12,667.0	13,530.0	DIRECTIONAL DRILL F/12,667'			

GPM 3 SLIDES= 65' 3.00 SURVEY SURVEYS AND CONNECTIONS 20:00 23:00 SUR 13,530.0 13,530.0 3.00 DIRECTIONAL 13,901.0 DIRECTIONAL DRILL F/13,530' 13,530.0 23:00 02:00 DRI 2 TO 13,901 =371' 26-28K WOB,60-70 RPM, AND 550 DRILL GPM

2 SLIDES= 45' 0.50 SURVEY 13,901.0 SURVEYS AND CONNECTIONS 02:00 02:30 SUR 13,901.0 13.901.0 RIG SERVICE, INCPECT TOP 0.50 RIG SERVICE RIG 02:30 03:00 13.901.0 DRIVE AND TOP DRIVE TRAVELING ASSEMBLY 03:00 04:30 1.50 DIRECTIONAL DRL 13,901.0 14,091.0 DIRECTIONAL DRILL F/13,901 DRILL TO 14,091 =190' 26K WOB,60-

1 SLIDES= 25' 04:30 05:30 1.00 SURVEY SUR 14,091.0 14,091.0 SURVEYS AND CONNECTIONS 0.50 CIRCULATE/C CIRC 14,091.0 CLEAN UP CYCLE AT 14091 05:30 14,091.0 06:00 ONDITION

Type

19,792.0

Head Count / Man Hours Company

PRODUCTION CASING

Casing Strings Dens Fluid (lb/gal) P LeakOff (psi) Run Date Drift Min (in) Wt/Len (lb/ft) OD (in) Set Depth (ft, KB) Top (ft, KB) CONDUCTOR 20 105.0 25.0 8/2/2016 18.54 133.00 SURFACE CASING 13 3/8 536.0 -5.3 10/1/2016 54.50 INTERMEDIATE CASING 9 5/8 8,128.0 27.1 10/6/2016 40.00

-315.3

Employee Type



11/2/2016 06:00 - 11/3/2016 06:00

Report# 15

FPH 26K WOB,70 RPM, AND 550 GPM 1 SLIDE FOR 25' 16,181.0 SURVEY AND CONNECTIONS

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

		DFS 15.0
well Name:	UNIVERSITY 7-0213 N 05SC	

Well Info Surface Legal Location S-, SVY, Spud Date 9/30/2016 42-317-40526 PERMIAN BASIN DIVISION SPRABERRY Original 2,936 MARTIN **TEXAS** 2,911 Job Summary Cum Field Est To D 1,095,512.86 Job Category DRILLING JOB AFE AMOUN 2,380,100.00 Last Casing String
INTERMEDIATE CASING, 8,128.0ft,

Daily Ops Summary

Wellbore Name
Original Hole
Hole Condition Daily Field Est 62,480.24 End Depth (ft, 16,181.0 Progres 2090 UNIT 103 17.50 RAIN 119.4 13.79 Good

ROTATE DRILLING AT 150 FPH

ROTARY AND SLIDE DRILL IN LATERAL, SURVEYS AND CONNECTIONS, RIG SERVICE AND TOP DRIVE INSPECTION, CLEAN UP CYCLES

05:00

06:00

Operations Next Report Period
ROTARY AND SLIDE DRILL IN LATERAL, SURVEYS AND CONNECTIONS, RIG SERVICE AND TOP DRIVE INSPECTION

ROTARY AND SLIDE DRILL IN LATERAL, SURVEYS AND CONNECTIONS, RIG SERVICE AND TOP DRIVE INSPECTION										
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	12:30	6.50	ROTARY DRILL	DRL	1		14,091.0	·	DIRECTIONAL DRILL F/ 14,091- 14951' =860'@ 132 FPH 26K WOB,60-70 RPM, AND 550 GPM 1 SLIDES= 25'	
12:30	14:00	1.50	SURVEY	SUR	1		14,951.0	14,951.0	SURVEY AND CONNECTIONS	
14:00	14:30	0.50	RIG SERVICE	RIG	1		14,951.0	14,951.0	RIG SERVICE AND TOP DRIVE INSPECTIONS	
14:30	16:00	1.50	DIRECTIONAL DRILL	DRL	2		14,951.0	15,068.0	DIRECTIONAL DRILL F/ 14951'- 15068' =117'@ 70 FPH 26K WOB,60-70 RPM, AND 550 GPM 1 SLIDES= 25'	
16:00	16:30	0.50	MISCELLANE OUS	ОТН			15,068.0	15,068.0	CHANGE ROT HEAD	
16:30	17:30	1.00	DIRECTIONAL DRILL	DRL	2		15,068.0	15,136.0	DIRECTIONAL DRILL F/ 15068'- 15136' =68' @ 68 FPH 26K WOB,60-70 RPM, AND 550 GPM 1 SLIDES= 25'	
17:30	18:00	0.50	SURVEY	SUR	1		15,136.0	15,136.0	SURVEY AND CONNECTIONS	
18:00	22:00	4.00	DIRECTIONAL DRILL	DRL	2		15,136.0	15,612.0	DIRECTIONAL DRILL FROM 15136' TO 15612' =476' '@ 119 FPH 26K WOB,70 RPM, AND 550 GPM 2 SLIDES FOR 50'	
22:00	23:00		SURVEY	SUR	1		15,612.0	-,-	SURVEY AND CONNECTIONS	
23:00	23:30	0.50	CIRCULATE/C ONDITION	CIRC	1		15,612.0	15,612.0	CLEAN UP CYCLE AT 15612'	
23:30	01:30	2.00	DIRECTIONAL DRILL	DRL	2		15,612.0	15,895.0	DIRECTIONAL DRILL FROM 15612' TO 15895' =283' '@ 142 FPH 26K WOB,70 RPM, AND 550 GPM 1 SLIDE FOR 25'	
01:30	02:00	0.50	SURVEY	SUR	1		15,895.0	15,895.0	SURVEY AND CONNECTIONS	
02:00	02:30	0.50	RIG SERVICE	RIG	1		15,895.0	15,895.0	RIG SERVICE AND TOP DRIVE INSPECTIONS	
02:30	05:00	2.50	DIRECTIONAL DRILL	DRL	2		15,895.0	16,181.0	DIRECTIONAL DRILL FROM 15895' TO 16181' =286' @ 114	

Head Count / Man Hours Employee Type

SUR

1.00 SURVEY

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)			

16,181.0

CONDUCTOR 25.0 8/2/2016 105.0 18.54 133.00 20 SURFACE CASING 13 3/8 536.0 -5.3 10/1/2016 54.50 INTERMEDIATE CASING 9 5/8 8,128.0 27.1 10/6/2016 40.00 PRODUCTION CASING 5 1/2 19,792.0 -391.4 20.00



11/3/2016 06:00 - 11/4/2016 06:00

Report# 16

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

Count

**DFS 16.0** 

Well Name: UNIVERSITY 7-0213 N 05SC

Well Info API 42-317-40526 County MARTIN Surface Legal Location S- , SVY, State Spud Date 9/30/2016 PERMIAN BASIN DIVISION SPRABERRY Ground Ele 2,911 Original 2,936 TEXAS Job Summary
Job Category
DRILLING

Cum Field Est To Da 1,150,725.75 Last Casing String INTERMEDIATE CASING, 8,128.0ft, JOB AFE AMOUNT (Cost) 2,380,100.00

Daily Ops Summary

Daily Field Est Total (Cost) 55,212.89 End Depth (ft, KB) 17,891.0 Wellbore Name Original Hole Hole Condition Progress (ft) 1710 UNIT 103 Avg ROP (ft/hr) 100.6 Weather CLOUDY Drilling I 17.00 14.79 Good

ROTATE DRILLING AT 120 FPH

ROTARY AND SLIDE DRILL IN LATERAL, SURVEYS AND CONNECTIONS, CLEAN UP CYCLE

ROTARY AND SLIDE DRILL IN LATERAL TO TD, CBU AND WIPER TRIP,

Time Log	
	Γ

Start Time	End Time	Dur (hr)	Activity	Code	Sub - Code	Unschd Type	Start Depth (ft, KB)	End Depth (ft, KB)	Com
06:00	13:30	7.50	DIRECTIONAL DRILL	DRL	2		16,181.0	16,941.0	DIRECTIONAL DRILL FROM 16181' - 16941' =760' @ 114 FPH 26K WOB, 65 RPM, AND 550 GPM 4 SLIDE FOR 100'
13:30	15:00	1.50	SURVEY	SUR	1		16,941.0	16,941.0	SURVEY AND CONNETIONS
15:00	15:30	0.50	RIG SERVICE	RIG	1		16,941.0	16,941.0	RIG SERVICE AND TOP DRIVE INSPECTIONS
15:30	21:00	5.50	DIRECTIONAL DRILL	DRL	2		16,941.0	17,426.0	DIRECTIONAL DRILL FROM 16941' TO 17426' = 485' @ 88 FPH 26K WOB, 65 RPM, AND 550 GPM 3 SLIDES FOR 75'
21:00	23:00	2.00	SURVEY	SUR	1		17,426.0	17,426.0	SURVEY AND CONNECTIONS
23:00	00:00	1.00	CIRCULATE/C ONDITION	CIRC	1		17,426.0	17,426.0	CLEAN UP CYCLE AT 17426', PUMP 2 - 40BBLS SWEEPS
00:00	02:00	2.00	DIRECTIONAL DRILL	DRL	2		17,426.0	17,605.0	DIRECTIONAL DRILL FROM 17426' TO 17605' = 179' @ 90 FPH 26K WOB, 65 RPM, AND 550 GPM 2 SLIDES FOR 40'
02:00	03:00	1.00	SURVEY	SUR	1		17,605.0	17,605.0	SURVEY AND CONNECTIONS
03:00	03:30	0.50	RIG SERVICE	RIG	1		17,605.0	17,605.0	RIG SERVICE AND TOP DRIVE INSPECTIONS
03:30	05:30	2.00	DIRECTIONAL DRILL	DRL	2		17,605.0	17,891.0	DIRECTIONAL DRILL FROM 17605' TO 17891' = 286' @ 143 FPH 26K WOB, 65 RPM, AND 550 GPM 0 SLIDE FOR 0'
05:30	06:00	0.50	SURVEY	SUR	1		17,891.0	17,891.0	SURVEY AND CONNECTIONS

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	8/2/2016	18.54	133.00						
SURFACE CASING	13 3/8	536.0	-5.3	10/1/2016		54.50						
INTERMEDIATE CASING	9 5/8	8,128.0	27.1	10/6/2016		40.00						
PRODUCTION CASING	5 1/2	19.792.0	-391.4			20.00						

Employee Type

Туре



11/4/2016 06:00 - 11/5/2016 06:00

Report# 17

**DFS 17.0** Well Info

API	Surface Le	gal Location	Division		Field Name		Spud Date	
42-317-40526	S-, SV	Υ,	PERMIAN BASII	N DIVISION	SPRABERRY		9/30/2016	
County		State		Ground Elevation (ft)		Original KI	3 Elevation (ft)	
MARTIN		TEXAS		2,911		2,936		
Job Summary								
Job Category		Last Casing String		JOB AFE AMOUNT (	Cost)	Cum Field	Est To Date (Cost)	
DRILLING		INTERMEDIATE CASING	G. 8.128.0ft.	2.380.100.00		1.217.69	92.91	
		KB	, , , , , ,			, , , , -		

Daily Ops Summary

Daily Field Est Total (Cost) 61,267.53

Wellbore Name Original Hole Hole Condition End Depth (ft, KB) 19,408.0 UNIT 103 Avg ROP (ft/hr) 84.3 Weather CLOUDY Drilling H 18.00 Cum Tin 15.79 Good

Operations at Report Time
ROTATE DRILLING AT 110 FPH

Operations Summary
ROTARY AND SLIDE DRILL IN LATERAL, SURVEYS AND CONNECTIONS

Well Name: UNIVERSITY 7-0213 N 05SC

Operations Next Report Period
ROTARY AND SLIDE DRILL IN LATERAL TO TD, CLEAN UP CYCLE, CBU, TOH TO RUN 5.5" CASING, RU AND RUN CASING

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	12:00	6.00	DIRECTIONAL DRILL	DRL	2		17,891.0	18,459.0	DIRECTIONAL DRILL FROM 17891'- 18459= 568' @ 94 FPH 26K WOB, 65 RPM, AND 550 GPM 3 SLIDES FOR 52'
12:00	13:30	1.50	SURVEY	SUR	1		18,459.0	18,459.0	SURVEY AND CONNECTION
13:30	14:00	0.50	RIG SERVICE	RIG	1		18,459.0	18,459.0	RIG SERVICE AND TOP DRIVE INSPECTION
14:00	22:30	8.50	DIRECTIONAL DRILL	DRL	2		18,459.0	19,122.0	DIRECTIONAL DRILL FROM 18459' TO 19122' = 633' @ 78 FPH 28K WOB, 65 RPM, AND 550-570 GPM 6 SLIDES FOR 130'
22:30	01:00	2.50	SURVEY	SUR	1		19,122.0	19,122.0	SURVEY AND CONNECTIONS
01:00	01:30	0.50	RIG SERVICE	RIG	1		19,122.0	19,122.0	RIG SERVICE AND TOP DRIVE INSPECTION
01:30	05:00	3.50	DIRECTIONAL DRILL	DRL	2		19,122.0	19,408.0	DIRECTIONAL DRILL FROM 19122' TO 19408' = 286' @ 82 FPH 28K WOB, 65 RPM, AND 560 GPM 2 SLIDES FOR 43'
05:00	06:00	1.00	SURVEY	SUR	1		19,408.0	19,408.0	SURVEY AND CONNECTIONS

Head Count / Man Hours Reg Work Time (hr) Tot Work Time (hr) Туре Employee Type Count

Jasing	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	8/2/2016	18.54	133.00		
SURFACE CASING	13 3/8	536.0	-5.3	10/1/2016		54.50		
INTERMEDIATE CASING	9 5/8	8,128.0	27.1	10/6/2016		40.00		
PRODUCTION CASING	5 1/2	19,749.0	-5.5			20.00		



11/5/2016 06:00 - 11/6/2016 06:00

Report# 18

**DFS 18.0** 

Well Name: UNIVERSITY 7-0213 N 05SC

Well Info									
API	Surface Le	egal Location	Division		Field Na	ame		Spud Date	)
42-317-40526	S-, SV	Υ,	PERMIAN BASI	N DIVISION	SPRA	SPRABERRY		9/30/20	16
County		State		Ground Elevation (ft)			Original KE	3 Elevation	(ft)
MARTIN		TEXAS		2,911			2,936		
Job Summary									
Job Category		Last Casing String		JOB AFE AMOUNT (	Cost)		Cum Field	Est To Dat	e (Cost)
DRILLING		INTERMEDIATE CASING	G, 8,128.0ft,	2,380,100.00			1,271,4	13.43	
		KB							
Daily Ops Summary									
RIG	Wellbore N	lame	End Depth (ft, KB)		Progres	s (ft)		Daily Field	Est Total (Cost)
UNIT 103	Original	Hole	19,755.0		347			53,720.	52
Weather	Hole Co	ndition	Drilling Hours (h	nr)		Avg ROP (ft/hr)			Cum Time Log Days (days)
RAINING	Good		3.50			99.1			16.79

Operations at Report Time RUNNING CASING AT 12500'

Operations Summary ROTARY AND SLIDE DRILL IN LATERAL TO 19755' - TD, CLEAN UP CYCLE, CBU, TOH AND LD DIR BHA, RU AND RUN CASING

Operations Next Report Period
FINISH RUN AND LAND CASING, CIRCULATE FOR CEMENT, CEMENT CASING, N/D SET SLIPS, CUT CASING, SET NIGHT CAP, TEST SAME, PREP FOR SKID

Time	l oa

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	09:30	3.50	DIRECTIONAL DRILL	DRL	2		19,408.0	19,755.0	DIRECTIONAL DRILL FROM 19408' TO 19755' = 347' @ 99 FPH 30K WOB, 65 RPM, AND 560 GPM 2 SLIDES FOR 29'
09:30	10:30	1.00	SURVEY	SUR	1		19,755.0	19,755.0	SURVEY AND CONNECTIONS
10:30	13:30	3.00	CIRCULATE/C ONDITION	CIRC	1		19,755.0	,	PUMP 2 HIGH VIS SWEEPS, CIRCULATE HOLE CLEAN.
13:30	19:30	6.00	TRIP	TRP	2		19,755.0	19,755.0	TRIP OUT OF HOLE FOR CASING, LD AGITATOR
19:30	20:30	1.00	PU/LD BHA	TRP	1		19,755.0	19,755.0	LD ALL DIRECTIONAL TOOLS AND BIT
20:30	21:30	1.00	RIG UP/DOWN CSG CREW	CSG	1		19,755.0	19,755.0	CLEAN FLOOR, PJSM AND RIG UP CASING CREWS, CRT AND TORQUE TURN
21:30	06:00		RUN CASING	CSG	2		19,755.0	,	PU 5 1/2" SHOE TRACK AND PUMP THRU, RUN CASING TO XXXXX', BREAK CIRC 4500' AND 8128' (FALL TIME CHANGE - REALLY 9.5 HRS ELAPSED)
11	4 / Man Hau								

Head Count / Man Hours

Company	Туре	Employee Type	Count	Reg Work Time (hr)	Tot Work Time (hr)

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	8/2/2016	18.54	133.00		
SURFACE CASING	13 3/8	536.0	-5.3	10/1/2016		54.50		
INTERMEDIATE CASING	9 5/8	8,128.0	27.1	10/6/2016		40.00		
PRODUCTION CASING	5 1/2	19,749.0	-5.5			20.00		



Well Name: UNIVERSITY 7-0213 N 05SC

Original Hole Hole Condition

1.00 MISCELLANE

OUS

ОТН

Туре

Good

#### **Daily Partner Report**

11/6/2016 06:00 - 11/7/2016 06:00

Report# 19

Cum Time Log Days (days)

17.50

STREAM FLO

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

19,755.0 PREP RIG TO SKID

**DFS 19.0** Well Info

API 42-317-40526 County Surface Legal Location S- , SVY, State Spud Date 9/30/2016 PERMIAN BASIN DIVISION SPRABERRY MARTIN **TEXAS** 2,911 2.936 Job Summary Job Category DRILLING Cum Field Est To Date (Cost) 1,735,532.42 Last Casing String JOB AFE AMOUNT (Cost) PRODUCTION CASING, 19,749.0ft, KB 2,380,100.00

0

Avg ROP (ft/hr)

19,755.0

Employee Type

Daily Ops Summary End Depth (ft, KB) 19,755.0 Daily Field Est Total (Cost) 455,665.99 Wellbore Name

MUDDY - CLEAR

RIG RELEASED

UNIT 103

RUN CASING, CBU, CEMENT AND DISPLACE, RD CEMENTERS AND FLUSH BOP, ND BOP, SET SLIPS, CUT CASING AND PREP TO SKID - RIG RELEASED TO UL 7-0213 N O4 SA 23:00 11/6/2016

Operations Next Report Period

PIC PELEASED TO LIL 7-0213 N O4 SA

RIG RELEA	ASED TO UL	. 7-0213 N C	94 SA						
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	12:00	6.00	RUN CASING	CSG	2		19,755.0	19,755.0	RUN 5 1/2 CASING FILL PIPE AS NEEDED, TAG BOTTOM AND L/D TAG JOINT
12:00	13:30	1.50	CIRCULATE/C ONDITION	CIRC	1		19,755.0	19,755.0	CIRCULATE HOLE CLEAN FOR CEMENTING
13:30	14:00	0.50	RIG UP/DOWN CEMENTERS	СМТ	1		19,755.0	19,755.0	PJSM RIG UP HALLIBURTON
14:00	19:00	5.00	CEMENTING	СМТ	2		19,755.0	,	PRESURE TEST LINES, PUMP 50BBLS TUNED SPACER, 219 BBLS OF TERGO VIS, 610 BBLS OF 13.5# LEAD, 47 BBLS OF 13.5# TAIL, DROPPED PLUG AND DISPLACED WITH 44 BBLS OF MSA ACID AND 391 BBLS OF FRESH WATER WITH 1600 PSI FINAL LIFT AND 2200 PSI BLUG BUMP, FLOATS HELD
19:00	19:30	0.50	RIG UP/DOWN CEMENTERS	СМТ	1		19,755.0	19,755.0	FLUSH STACK & R/D CEMENTERS
19:30	20:30	1.00	NU/ND BOP	BOP	1		19,755.0	19,755.0	N/D BOP
20:30	22:00	1.50	SET SLIPS	CSG	7		19,755.0	19,755.0	SET SLIPS WITH 180K STRING WEIGHT, CUT AND DRESS CASING INSTALL NIGHT CAP AND TEST TO 5K. WITH

Head Count / Man Hours

23:00

22:00

**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	8/2/2016	18.54	133.00		
SURFACE CASING	13 3/8	536.0	-5.3	10/1/2016		54.50		
INTERMEDIATE CASING	9 5/8	8,128.0	27.1	10/6/2016		40.00		
PRODUCTION CASING	5 1/2	19,749.0	-5.5	11/6/2016		20.00		



# **QEP Daily Completion Partner Report**

Well Name: UNIVERSITY 7-0213 N 05SC

1/25/2017 06:00 - 1/26/2017 06:00

Report# 10

Division PERMIA	N BASIN D	IVISION	API 42-317-405	0526		Unique Well ID TX102366			Well Configuration Type HORIZONTAL		
Surface Legal Location Field Name S16-7, UL SVY, 22 SPRABER				RY		County MARTIN			State TEXAS		
			Current Elevation 2.936.00. Unit 103			Current KB to GL (ft) Spud Date 9/30/2010				Dry Hole TD Date 11/5/2016	
Total Depth	(All) (ft, KB) Hole - 19,7	<i>EE</i> 0	, ,	Total Depth	Total Depth All (TVD) (ft, KB)  Original Hole - 9,404.8						
Primary Job	Туре				Secondary Job Type Objective						
AFE - DRL-CT (Completion)  Purpose											
Operations	at Report Time	9			Remarks						
	je #2. Plug	/perf and fra	c stages #3 thru #7. F								
			Job AFE + Sup 3,462,500.0		Daily Field Est Total (Cost) 23,515.96				um Field 0,392.	Est To Date (Cost)	
Time Lo			[5,15=,555]						-,		
Start Time	End Time	Dur (hr)	Activity	Code		_		Com			
06:00	08:00	2.00	FRACTURE	STIM	FRAC STAGE #	2					
					AVG BPM = 68. AVG PSI = 6,23						
					TOTAL BBLS FI	_UID= 4,398 BBL					
08:00	10:00	2.00	WL PERFORATE	PERF	PLUG/PERF ST	OPPANT= 206,6	42 LBS				
08.00	10.00	2.00	WEFERFORATE	FERF	FLOG/FERF 31	AGE # 3					
					PERFORATION	S = 19,231'- 19,	352'				
10:00	12:00	2.00	FRACTURE	STIM	FRAC STAGE #	3					
					AVG BPM = 67.	6 BPM					
					AVG PSI = 6,40		C				
					1	_UID= 4,559 BBL OPPANT=  213,5					
12:00	14:00	2.00	WL PERFORATE	PERF	PLUG/PERF ST	AGE # 4					
11.00	10.00	0.00	ED A OTHER	07114		S = 19,083'- 19,	204'				
14:00	16:00	2.00	FRACTURE	STIM	FRAC STAGE #	: 4					
					AVG BPM = 70. AVG PSI = 6,44						
						-2 PSI -UID= 4,530 BBL	.S				
						OPPANT= 210,0	55 LBS				
16:00	18:00	2.00	WL PERFORATE	PERF	PLUG/PERF ST	AGE # 5					
					DEDEODATION	C _ 10 00FL 40	nee'				
18:00	20:00	2.00	FRACTURE	STIM	FRAC STAGE #	S = 18,935'- 19,0	Job				
.0.00	20.00	2.00									
					AVG BPM = $69$ . AVG PSI = $6.2$						
					TOTAL BBLS FI	_UID= BBLS					
00.00	00.00	0.00	W DEDEODATE	DEDE		OPPANT= 210,5	84 LBS				
20:00	22:00	2.00	WL PERFORATE	PERF	PLUG/PERF ST	AGE # 6					
					PERFORATION	S = 18,787'- 18,	908'				
22:00	00:00	2.00	FRACTURE	STIM	FRAC STAGE #						
					AVG BPM = 69	7 RPM					
					AVG PSI = 6,4	70 PSI					
						_UID= 4,916 BBL OPPANT= 209,5					
					LIOTAL LBS PRO	OFFAN I = 209,5	II LBS				



# **QEP Daily Completion Partner Report**

Well Name: UNIVERSITY 7-0213 N 05SC

1/25/2017 06:00 - 1/26/2017 06:00

Report# 10

Time Log									
Start Time	End Time	Dur (hr)	Activity	Code	Com				
00:00	02:00	2.00	WL PERFORATE	PERF	PLUG/PERF STAGE # 7				
					PERFORATIONS = 18,639'- 18,760'				
02:00	04:00	2.00	FRACTURE	STIM	FRAC STAGE # 7  AVG BPM = 69.9 BPM  AVG PSI = 6,490 PSI  TOTAL BBLS FLUID = 4,991 BBLS  TOTAL LBS PROPPANT = 208,921 LBS				
04:00	06:00	2.00	WL PERFORATE	PERF	PLUG/PERF STAGE # 8  PERFORATIONS = 18,491'- 18,612'				