

9/13/2016 00:30 - 9/13/2016 06:00

	NERGY _™ Name: Ul	NIVERSI	TY 7-	0213 N	03SC											Report# 1
, went	taine. O	MV ENO		021011	0000											DFS 0.0
Well Info		Le					D: :-:-				I e-	ald Mana			1010	
42-317-405	523			egal Location U L SVY			Division PERMIAN	BASIN	N DI\	/ISION		eld Name PRABERRY			Spud Date	
County MARTIN		•		State TEXAS					Groun	d Elevation	(ft)			Original P 2,936	KB Elevation (ft)	
Job Summa	ary			ILVAO					2,91	<u>' </u>				2,930		
Job Category				Last Casing	g String					AFE AMOUN		st)			d Est To Date (Cost)	
DRILLING Daily Ops	Summary								2,38	0,100.00)			60,736	.01	
RIG	- · · · · ·		/ellbore N				End Depth (ft,	KB)				rogress (ft)			Daily Field Est Total	al (Cost)
UNIT 103 Weather		10	Original THole Co				105.0 Drilling H	Hours (h	ır)		0	Avg ROP	(ft/hr)		60,736.01 Cum Tii	me Log Days (days)
Clear			Good					`	<u></u>			ŭ	,		0.23	
Operations at R PICKING U																
	FROM UL 7-0	0213N 02S	A, RIG	UP AND	PREP R	IG TO	SPUD, PICI	K UP I	вна							
Operations Nex DRILL SUR		OUT FOR	CASII	NG, RUN	13 3/8 0	CASING	, CEMENT	, WEL	D OI	N WELL	HEAD	D AND NIPP	LE UP BOI	•		
Time Log																
Start Time	End Time	Dur (hr)		Activity		Code	Sut	b - Code	9	Unschd Type	Start	Depth (ft, KB)	End Depth (ft. KB)		Com
00:30	05:00		MOV	/E RIG	LOC		3			.,,,,,		105.0		105.0	PJSM, SKID RIG	G FROM THE UL
															7-0213N - SKID CENTER OVER	
															CELLAR PUMP,	MUD LINES,
															CATWALK, MIS AFTER SKID, T	
														2	2000 PSI	
05:00	06:00	1.00	PU/L	D BHA	TRP		1					105.0			PU BIT, BS, 1 S STAB AND TAG	TAND WITH 17"
															105'	BOTTOWAT
Head Coun	nt / Man Hou				<u> </u>										_	
	Cor	mpany				Ту	pe			Em	ployee	Туре	Co	unt	Reg Work Time (h	r) Tot Work Time (hr)
Casing Str	ings															
	Csg Des	OD	(in)	Set Dept	th (ft, KB)	To	pp (ft, KB)		Run	Date		Drift Min (in)	Wt/Le	n (lb/ft)	Dens Fluid (lb/gal)	P LeakOff (psi)
CONDUCT															, , ,	
	ION CASING															
SURFACE	DIATE CASIN		13 3/8		533.0		-5.6							54.5	50	
OOK! AGE	OAOIIVO		10 0/0		333.0		-5.0	4						04.0	,	



21:30

Daily Partner Report

9/13/2016 06:00 - 9/14/2016 06:00

LAST JT TO BTTM

Report# 2

Well Name: UNIVERSITY 7-0213 N 03SC

									DFS 1.0
Well Info									
API		II	rface Legal Location		Division		Field Name		Spud Date
42-317-40	523	S ²	13-7 , U L SVY, U	J19	PERMIAN BAS		SPRABERRY		LIGO Election (6)
County MARTIN			State TEXAS			Ground Elevation 2,911	(π)	2.936	I KB Elevation (ft)
Job Summ	narv		12,010			12,011		12,000	
Job Category	,		Last Casing S	tring		JOB AFE AMOUN	T (Cost)	Cum Fi	eld Est To Date (Cost)
DRILLING			SURFACE	CASING, 53	3.0ft, KB	2,380,100.00		174,3	21.84
Daily Ops	Summary								
RIG			ellbore Name		End Depth (ft, KB)		Progress (ft)		Daily Field Est Total (Cost)
UNIT 103 Weather			riginal Hole Hole Condition		533.0	(h-n)	428	(ft/l)	112,685.83
CLEAR			Good		Drilling Hours 3.50	(nr)	Avg ROP 122.3	(π/nr)	Cum Time Log Days (days) 1.23
Operations at	SHOE TRAC		<u> </u>		0.50		122.0		1.20
		OUT OF H	OLE RUN CASI	NG, AND CEN	MENT, NIPPLE	UP BOP AND T	EST, MAKE UP	BHA AND DRILL	SHOE TRACK
	ext Report Period EAD IN INTE	RMEDIATE I	HOLE						
Time Log									
Start Time	End Time	Dur (hr)	Activity	Code	Sub - Co	Unschd de Type	Start Depth (ft, KB)	End Depth (ft, KB)	Com
06:00	06:30	` '	PU/LD BHA	TRP	1	71 2	105.0	,	MAKE UP IBS AND TAG BOTTOM AND FILL HOLE
06:30	10:00	3.50	ROTARY DRILL	DRL	1		105.0	533.0	ROT DRILL FROM 105-533' WOB 25K ROT 90RPM,
10:00	10:30	0.50	CIRCULATE/C ONDITION	CIRC	1		533.0	533.0	CIRCULATE HOLE CLEAN
10:30	11:30	1.00	TRIP	TRP	2		533.0	533.0	TRIP OUT OF HOLE TO RUN SURFACE CASING,LD BHA TOOLS
11:30	12:00	0.50	SAFETY MEETING	RIG	7		533.0	533.0	HELD PJSM WITH CASING CREW
12:00	14:00	2.00	RUN CASING	CSG	2		533.0	533.0	RIG UP CASING EQUIPMENT,MAKE UP SHOE TRACK & RUN 13 JOINTS OF13 3/8" SURFACE CASING,WASH

14:00 14:30 CIRCULATE/C CIRC 533.0 CIRC CASING 0.50 533.0 ONDITION 1.50 CEMENTING HELD PJSM.RU 14:30 16:00 CMT 533.0 533.0 CEMENTERS ,CEMENT SURFACE CASING, BUMP PLUG, FLOATS HELD, 50 BBL CMT TO SURFACE 0.50 RIG UP/DOWN 16:00 16:30 CMT R/D CEMENTERS 533.0 533.0

CEMENTERS

ous

MISCELLANE 16:30 17:00 ОТН 533.0 533.0 CLEAN CELLAR & CENTER 0.50 OUS CASING 17:00 18:30 1.50 NU/ND BOP BOP 533.0 CUT CASING, INSTALL AND 533.0 WELD WELL HEAD AND TEST SAME 18:30 21:30 3.00 NU/ND BOP BOP 533.0 533.0 PJSM - NU BOP AND CHOKE

LINES, TESTED CHOKE
MANIFOLD ,TOP
DRIVE ,FLOOR VALVES WHILE
FINISH NU BOP TO 250 PSI AND 5000 PSI. TEST MUD LINE TO 4000 PSI 00:00 2.50 TEST BOP BOP 533.0 FINISH TESTING BOP.TEST DART VALVE, TOP & BOTTOM RAMS, BLIND RAMS, KILL LINE

& CHECK VALVE, HCR & MANUAL VALVE TO 5000 & 250 PSI.TEST ANNULAR TO 3500 & 250 PSI. 00:00 00:30 0.50 PRESSURE EQT 533.0 TEST CASING TO 500 PSI FOR 533.0 **TEST CASING** 30 MINUTES 00:30 01:00 MISCELLANE ОТН 533.0 533.0 SET WEAR BUSHING

01:00 02:30 1.50 MISCELLANE ОТН 533.0 533.0 INSTALL CELLAR COVERS, ous ADD 10" EXTENSION SPOOL TO FLOWLINE, LEVEL RIG AND 02:30 3.00 PU/LD BHA PU MUD MOTOR AND SCRIBE, 05:30 TRP 533.0 533.0 PU MWD PROBE AND TEST MWD AND MM, PU BIT AND 11 3/4" NON MAG IBS AND TIH TO



Daily Partner Report

9/13/2016 06:00 - 9/14/2016 06:00

Report# 2

DFS 1.0 Time Log

·····o Log									
Start Time	End Time	Dur (hr)	Activity	Code	Sub - Code	Unschd Type	Start Depth (ft, KB)	End Depth (ft, KB)	Com
05:30	06:00		DRILL CEMENT/EQUI PMENT	DRL	4		533.0	533.0	DRILL FLOAT EQUIP
Head Cou	nt / Man Hou	rs	·						

Employee Type

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								
PRODUCTION CASING								
SURFACE CASING	13 3/8	533.0	-5.6	9/13/2016		54.50		
INTERMEDIATE CASING		8,139.0						



9/14/2016 06:00 - 9/15/2016 06:00

Report# 3

DFS 2.0

Well Name: UNIVERSITY 7-0213 N 03SC

Well Info API 42-317-40523 County MARTIN Surface Legal Location S13-7, U L SVY, U19 State Spud Date 9/13/2016 PERMIAN BASIN DIVISION SPRABERRY Ground Ele 2,911 Original 2,936 (B Elevation (ft) TEXAS Job Summary
Job Category
DRILLING Cum Field Est To Date (Cost) 213,321.42 JOB AFE AMOUNT (Cost) 2,380,100.00 Last Casing String SURFACE CASING, 533.0ft, KB Daily Ops Summary End Depth (ft, KB) 533.0 RIG UNIT 103 Daily Field Est Total (Cost) 39,801.86 Wellbore Name Progress (ft) Original Hole Avg ROP (ft/hr) Cum Time Log Days (days) Hole Condition Drilling Hours (hr) CLEAR
Operations at Report Time Good

ROTATE DRILL INTERMEDIATE HOLE SECTION AT 140 FPH

Casing Strings

Operations Summary ROTATE & SLIDE DRILL FROM 533' TO 3800, SURVEYS AND CONNECTIONS

		L FROM 53	3° 10 3800, SUF	VEYS AND C	ONNECTIONS					
Operations Nex DRILL AHE	t Report Period AD IN INTER	RMEDIATE I	HOLE							
Time Log										
Start Time	End Time	Dur (hr)	Activity	Code	Sub - Code	Unschd e Type	Start Depth (ft, KB)	End Depth (ft, KB)	Com	ı
06:00	11:00		DIRECTIONAL DRILL	DRL	2		533.0	1,725.0	DIRECTIONAL DR 533'-1725 =1192' (WOB 40K, RPM 65 BUILD NUDGE TO AND HOLD TO 150 BUILD NUDGE TO	243 FPH, 5, 800 GPM 3 DEGREES 00' THEN
11:00	13:00	2.00	SURVEY	SUR	1		1,725.0	1,725.0	SURVEY AND CO	NNECTIONS
13:00	13:30	0.50	RIG SERVICE	RIG	1		1,725.0	1,725.0	RIG SERVICE AND INSPECTION	TOP DRIVE
13:30	16:30	3.00	DIRECTIONAL DRILL	DRL	2		1,725.0	2,197.0	DIRECTIONAL DR 1725'- 2197'=472' WOB 40K, RPM 65 BUILD NUDGE TO AND HOLD	@ 157 FPH, 5, 800 GPM
16:30	18:00	1.50	SURVEY	SUR	1		2,197.0	2,197.0	SURVEY AND CO	NNECTIONS
18:00	23:30	5.50	DIRECTIONAL DRILL	DRL	2		2,197.0	3,331.0	DIRECTIONAL DR 2197' TO 3331' =11 FPH, WOB 40K, R GPM SLIDE AS NI MAINTAIN HOLD	134' @ 206 PM 65, 800
23:30	01:30	2.00	SURVEY	SUR	1		3,331.0	3,331.0	SURVEY AND CO	NNECTIONS
01:30	02:00	0.50	RIG SERVICE	RIG	1		3,331.0	3,331.0	RIG SERVICE AND INSPECTION	TOP DRIVE
02:00	05:00		DIRECTIONAL DRILL	DRL	2		3,331.0	3,800.0	DIRECTIONAL DR 3331' TO 3800' =46 FPH, WOB 40K, R GPM SLIDE AS NI MAINTAIN HOLD	69' @ 156 PM 65, 800
05:00	06:00		SURVEY	SUR	1		3,800.0	3,800.0	SURVEY AND CO	NNECTIONS
Head Coun	t / Man Hou	rs								
	Con	npany		Ту	/ре	Em	ployee Type	Count	Reg Work Time (hr)	Tot Work Time (hr)

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	8/4/2016	18.54	133.00		
SURFACE CASING	13 3/8	533.0	-5.6	9/13/2016		54.50		
INTERMEDIATE CASING		8,139.0						



INTERMEDIATE CASING

QEP Energy Company

8,139.0

Daily Partner Report

9/15/2016 06:00 - 9/16/2016 06:00

Report# 4

Report Printed: 9/16/2016

Well Name: UNIVERSITY 7-0213 N 03SC **DFS 3.0** Well Info Surface Legal Location S13-7, U L SVY, U19 Spud Da 42-317-40523 PERMIAN BASIN DIVISION 9/13/2016 SPRABERRY MARTIN **TEXAS** 2,911 2.936 Job Summary Cum Field Est To Da 258,641.16 JOB AFE AMOUNT 2,380,100.00 Job Category DRILLING SURFACE CASING, 533.0ft, KB **Daily Ops Summary** bore Name Daily Field Est Total (Cost) UNIT 103 1000 Original Hole 4,800.0 43,736.14 ng Hours (hr) Avg ROP (ft/hr) Cum Time Log Days (days) Hole Condition CLEAR Good 10.50 95.2 Operations at Report Time ROTATE DRILL WITH REDUCED PARAMETERS ROTATE & SLÍDE DRILL FROM 3800' TO 4484', RIG REPAIR - RESOLVER CABLE ON TOP DRIVE, DRILL TO 4800', SURVEYS AND CONNECTIONS DRILL AHEAD IN INTERMEDIATE HOLE Time Log Unschd Type Start Time End Time End Depth (ft, KB) Dur (hr) Sub - Code Start Depth (ft, KB) Code Activity
DIRECTIONAL 06:00 12:00 6.00 DRL 3,800.0 4,484.0 DIRECTIONAL DRILL FROM 3800' TO 4484 ' =684' @ 117 FPH, WOB 40K, RPM 65, 800 DRILL GPM SLIDE AS NEEDED TO MAINTAIN HOLD 12:00 13:00 1.00 SURVEY SUR 4,484.0 4,484.0 SURVEY AND CONNECTIONS 13:00 11.50 RIG REPAIR RIG 4,484.0 4,484.0 TOP DRIVE STOPPED ROT, 00:30 Rig WHEN TRYING TO ROT WAS READING MAX TORQUE, Repair CHANGED OUT T CABLE, AND STARTED WORKING, ROUTE CABLE THRU SERVICE LOOP SOCK AND RETEST, WENT BACK TO DRILL AND TD MOTOR KICKED OUT, WAIT ON SERVICE TECH (2.5 HRS), DIAGNOSED BAD RECIEVER CABLE AND CHAGED SAME. 3.00 DIRECTIONAL DIRECTIONAL DRILL FROM 00:30 03:30 DRL 4.484.0 4.656.0 4484 'TO 4656' =172' @ 57 FPH, WOB 38K, RPM 50, 680 GPM SLIDE AS NEEDED TO DRILL MAINTAIN HOLD 04:00 4,656.0 RIG SERVICE 03:30 0.50 RIG SERVICE RIG 4.656.0 DIRECTIONAL DRILL FROM 1.50 DIRECTIONAL DRL 04:00 05:30 2 4.656.0 4,800.0 4656' TO 4800' =144' @ 96 FPH, DRILL WOB 38K, RPM 50, 680 GPM SLIDE AS NEEDED TO MAINTAIN HOLD 4,800.0 SURVEYS AND CONNECTIONS 0.50 SURVEY SUR 05:30 06:00 4.800.0 Head Count / Man Hours Employee Type Reg Work Time (hr) Tot Work Time (hr) Casing Strings Dens Fluid (lb/gal) Set Depth (ft, KB) Run Date Drift Min (in) OD (in) Top (ft, KB) Wt/Len (lb/ft) P LeakOff (psi) PRODUCTION CASING CONDUCTOR 20 105.0 25.0 8/2/2016 18.54 133.00 SURFACE CASING 13 3/8 533.0 -5.6 9/13/2016 54.50

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9/16/2016 06:00 - 9/17/2016 06:00

Report# 5

Well N	Name: U	NIVERSIT	Y 7-02	13 N 0	3SC								Report# 5
													DFS 4.0
Well Info		Ie	rface Legal	Location		Divisio	· n			Field Name		Spud Date	
42-317-405	523		13-7 , Ŭ I	L SVY, U	19				DIVISION	SPRABERR		9/13/2016	
County MARTIN			Sta TF	ate EXAS					round Elevation ,911	(ft)	Origin	al KB Elevation (ft)	
Job Summ	ary			270 10							12,00		
Job Category DRILLING				st Casing St		9, 533.0ft, I	KB		380,100.00			field Est To Date (Cost 948.64)
Daily Ops	Summary				07.0				,000,100.00		ļoc i,		
RIG UNIT 103			ellbore Nam riginal Ho			6,70	epth (ft, l	KB)		Progress (ft) 1905		Daily Field Est To 43,157.48	tal (Cost)
Weather	OTODMO A		Hole Condi				Drilling Ho	ours (hr)		Avg ROI	P (ft/hr)	Cum T	ime Log Days (days)
Operations at F	STORMS - M Report Time	ן אַטטטוי	Good				20.00			95.3		4.23	
ROTATE D Operations Sur	RILL WITH F	REDUCED F	PARAME	TERS									
ROTATE &	SLIDE DRIL	L FROM 48	00' TO 6	705', SL	JRVEYS	AND CON	NECTI	ONS					
	xt Report Period AD IN INTE	RMEDIATE	HOLF										
Time Log	., (5 114 114 12 1	THE STATE OF	HOLL										
	Τ								Unschd		T	Τ	
Start Time 06:00	End Time 15:00	Dur (hr) 9.00	DIREC	tivity TIONAL	DRL	Code	Sub 2	- Code	Туре	Start Depth (ft, KB) 4,800.0	End Depth (ft, KB) 5.602.0	DIRECTIONAL	DRILL FROM
00.00	10.00	0.00	DRILL				_			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	0,002.0	4800' TO 5602' WOB 38K, RPM RAISED DRILL	=144' @ 96 FPH, M 50, 680 GPM ING AT 5150 TO 750 AND 60 RPM DED TO DROP
15:00	16:00	1.00	SURVE	Υ	SUR		1			5,602.0	5,602.0	SURVEY AND	
16:00	16:30	0.50	RIG SE	RVICE	RIG		1			5,602.0	5,602.0	RIG SERVICE	AND TOP DRIVE
16:30	17:30	1.00	DIRECT	TIONAL	DRL		2			5,602.0	5,696.0	DIRECTIONAL	
			DRILL									WOB 40K, RPI SLIDE AS NEE TO VERTICAL	
17:30	18:00		SURVE		SUR		1			5,696.0		SURVEY AND	
18:00	01:00	7.00	DIRECT DRILL	ΠΟΝΑL	DRL	2	2			5,996.0	6,546.0	DIRECTIONAL 5696' TO 6546' FPH, WOB 40k GPM (REDUCE AND 680 GPM AS NEEDED TO VERTICAL THE VERTICAL	=850' @ 121 K, RPM 60, 750 E TO 50 RPM AT 6500') SLIDE D DROP TO
01:00	02:00		SURVE		SUR		1			6,546.0		SURVEY AND	
02:00	02:30	0.50	RIG SE	KVICE	RIG		1			6,546.0	6,546.0	RIG SERVICE INSPECTION	AND TOP DRIVE
02:30	05:30	3.00	DIRECT DRILL	ΓΙΟΝΑL	DRL	i	2			6,546.0	6,705.0		=159' @ 53 FPH, M 50, 680 GPM DED TO
05:30	06:00	0.50	SURVE	Υ	SUR		1			6,705.0	6,705.0	SURVEY AND	CONNECTIONS
Head Cour	nt / Man Hou					T				nlavos Tva -		Dog West Time	hr) Tot Work Time (hr)
	Cor	mpany				Туре			Em	ployee Type	Count	Reg Work Time (hr) Tot Work Time (hr)
Casing Str	ings												
	Csg Des	OD (i	in)	Set Depth (f	t, KB)	Top (ft, K	(B)	R	Run Date	Drift Min (in)	Wt/Len (lb/ft	Dens Fluid (lb/gal)	P LeakOff (psi)
	ION CASING	3	0.5		405.5		0= 1	0.15.15.	10				
CONDUCT SURFACE		4	20		105.0			8/2/20		18.		3.00	
	CASING DIATE CASIN		3 3/8 9 5/8	Я	533.0			9/13/2 9/18/2				4.50 0.00	
		-			, 2			1	- · -				



9/17/2016 06:00 - 9/18/2016 06:00

54.50

40.00

Report# 6

DFS 5.0

Well Name: UNIVERSITY 7-0213 N 03SC

Well Info Surface Legal Location S13-7, U L SVY, U19 Spud Date 9/13/2016 42-317-40523 PERMIAN BASIN DIVISION SPRABERRY Original 2,936 MARTIN TEXAS 2,911 Job Summary Job Category DRILLING Cum Field Est To Date (Cost) 347,640.83 JOB AFE AMOUNT 2,380,100.00 Last Casing String
SURFACE CASING, 533.0ft, KB Daily Ops Summary Daily Field Est Total (Cost) 45,692.19 Vellbore Name Progress (ft) UNIT 103 8,172.0 Original Hole Avg ROP (ft/hr) Cum Time Log Days (days) Hole Condition Drilling Hours (hr) 20.50 CLEAR Good Operations at Report Time

CIRC SWEEP AND CASING POINT FOR WIPER TRIP TO 4500'

Operations Summary

ROTATE & SLIDE DRILL FROM 6705' TO 8172', SURVEYS AND CONNECTIONS

Operations Next Report Period

SURFACE CASING

INTERMEDIATE CASING

13 3/8

9 5/8

533.0

8,152.0

SWEEP AND CBU, WIPER TRIP TO 4500', SWEEP AND CBU, TOH AND RACK BACK BHA, RU CASERS AND RUN 9 5/8" CASING TO 8152', CIRC AND CEMENT 1ST STAGE

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	15:30	9.50	DIRECTIONAL DRILL	DRL	2		6,705.0	7,402.0	DIRECTIONAL DRILL FROM 6705' TO 7402 ' =697' @ 73 FPH, WOB 40K, RPM 50, 680 GPM SLIDE AS NEEDED TO MAINTAIN VERTICAL
15:30	16:30	1.00	SURVEY	SUR	1		7,402.0	7,402.0	SURVEY AND CONNECTIONS
16:30	17:00	0.50	RIG SERVICE	RIG	1		7,402.0	7,402.0	RIG SERVICE AND TOP DRIVE INSPECTION
17:00	23:00	6.00	DIRECTIONAL DRILL	DRL	2		7,402.0	7,818.0	DIRECTIONAL DRILL FROM 7402' TO 7818 ' =416' @ 69 FPH, WOB 40K, RPM 60, 720 GPM SLIDE AS NEEDED TO MAINTAIN VERTICAL
23:00	23:30	0.50	SURVEY	SUR	1		7,818.0	7,818.0	SURVEY AND CONNECTIONS
23:30	00:00	0.50	MISCELLANE OUS	ОТН			7,818.0	7,818.0	WORK ON #2 PUMP - PULL VALVE CAPS AND REMOVE PLASTIC CAP WEDGED UNDER VALVE
00:00	03:30	3.50	DIRECTIONAL DRILL	DRL	2		7,818.0	8,067.0	DIRECTIONAL DRILL FROM 7818 ' TO 8067' =249' @ 71 FPH, WOB 40K, RPM 60, 720 GPM SLIDE AS NEEDED TO MAINTAIN VERTICAL
03:30	04:00	0.50	RIG SERVICE	RIG	1		8,067.0	8,067.0	RIG SERVICE AND TOP DRIVE INSPECTION
04:00	05:30	1.50	DIRECTIONAL DRILL	DRL	2		8,067.0	8,172.0	DIRECTIONAL DRILL FROM 8067' TO 8172' (TD)=105' @ 70 FPH, WOB 40K, RPM 60, 720 GPM SLIDE AS NEEDED TO MAINTAIN VERTICAL
05:30	06:00		SURVEY	SUR	1		8,172.0	8,172.0	SURVEY AND CONNECTIONS

Head Count / Man Hours

Company Type 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)
PRODUCTION CASING								
CONDUCTOR	20	105.0	25.0	8/2/2016	18.54	133.00		

-5.6 9/13/2016

-7.5 9/18/2016

QEP Energy Company Page 1/1 Report Printed: 9/18/2016



9/18/2016 06:00 - 9/19/2016 06:00

Report#7

DFS 6.0 Well Info

API 42-317-40523 County MARTIN Surface Legal Location S13-7, U L SVY, U19 Spud Date 9/13/2016 PERMIAN BASIN DIVISION SPRABERRY Original 2,936 TEXAS 2,911 Job Summary
Job Category
DRILLING Cum Field Est To Date (Cost) 580,496.84 JOB AFE AMOUNT 2,380,100.00 Last Casing String INTERMEDIATE CASING, 8,152.0ft,

Daily Ops Summary

Progress (ft) Daily Field Est 232,856.01 Wellbore Name Original Hole Hole Condition End Depth (ft, KB) 8,172.0 UNIT 103 CLEAR 6.23 Good

CIRCULATING CASING ON BOTTOM

SHORT TRIP TO 4500' TRIP OUT OF HOLE AND LD DIRECTIONAL TOOLS, RIG UP CASING CREW AND RUN 9 5/8 CASING, CIRCULATE CASING ON BOTTOM AND RIG UP CEMENTERS

Operations Next Report Period

CEMENT WITH ALLIED, SET PACK OFF, AND PREP RIG TO SKID

Well Name: UNIVERSITY 7-0213 N 03SC

Time	l กต

Start Time	End Time	Dur (hr)	Activity	Code	Sub - Code	Unschd Type	Start Depth (ft, KB)	End Depth (ft, KB)	Com
06:00	07:00	1.00	CIRCULATE/C ONDITION	CIRC	1	7.	8,172.0		PUMP 40 BBL HIGH VIS SWEEP AND CIRCULATE HOLE CLEAN FOR SHORT TRIP
07:00	08:30	1.50	SHORT TRIP	TRP	14		8,172.0	8,172.0	SHORT TRIP 39 STANDS UP TO 4500' NO ISSUES
08:30	10:30	2.00	CIRCULATE/C ONDITION	CIRC	1		8,172.0	-,	PUMP 40 BBL SWEEP AND CIRCULATE HOLE CLEAN FOR 9 5/8 CASING
10:30	16:00	5.50	TRIP	TRP	2		8,172.0	-,	TRIP OUT OF HOLE FOR 9 5/8 CASING, LD BIT, MM, MONEL, THRUSTER AND CHANGE JARS
16:00	16:30	0.50	MISCELLANE OUS	ОТН			8,172.0	8,172.0	PULL WEAR BUSHING
16:30	17:30	1.00	RIG UP/DOWN CSG CREW	CSG	1		8,172.0	8,172.0	PJSM, RIG UP CASING CREW AND CRT TOOL
17:30	04:00	10.50	RUN CASING	CSG	2		8,172.0	8,172.0	MAKE UP SHOE TRACK AND TEST FLOATS, RUN 9 5/8 CASING WITH DV TOOL AT 5532' . CIRC AT 2690', 5500' AND 8040". WASH LAST JOINT TO BOTTOM, L/D TAG JOINT MAKE UP LANDING JOINT AND HANGER, AND LAND 9 5/8 CASING AT 8152'
04:00	06:00	2.00	CIRCULATE/C ONDITION	CIRC	1		8,172.0	-,	CIRC CASING - RIG DOWN CASING CREW AND RIG UP CEMENTERS

Head Count / Man Hours Company

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	533.0	-5.6	9/13/2016		54.50		
INTERMEDIATE CASING	9 5/8	8,152.0	-7.5	9/18/2016		40.00		

Employee Type

Count

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



9/19/2016 06:00 - 9/20/2016 06:00

Report# 8

Well Name: UNIVERSITY 7-0213 N 03SC

DFS 7.0

Well Into											
API 42-317-405	523		rface Legal Location 13-7, U L SVY, U		Division PERMIAN BA	ASIN DIV	ISION	Field Name SPRABERRY		Spud Date 9/13/2016	
County			State	1		Ground	Elevation (f			KB Elevation (ft)	
MARTIN Job Summ	ary		TEXAS			2,911			2,936		
Job Category DRILLING			Last Casing S INTERME KB	tring DIATE CASING	, 8,152.0ft,		FE AMOUNT 0,100.00	(Cost)	Cum Fi 696,5	eld Est To Date (Cost) 21.55	
Daily Ops	Summary							1= 0.			
rig UNIT 103			ellbore Name riginal Hole		End Depth (ft, KB 8,172.0	5)		Progress (ft)		Daily Field Est Tota 115,536.60	al (Cost)
Weather CLEAR			Hole Condition Good	<u>'</u>	Drilling Hou	rs (hr)		Avg ROP (f	t/hr)	Cum Tii 6.94	me Log Days (days)
Operations at F	•									0.94	
RIG RELEA Operations Sur	ASED TO TH	E UL 7-0213	3 N 04SA								
AND INSTA	ST STAGE, ALL NIGHTCA kt Report Period		ENT 2ND STAGE	AND CLOSE	DV TOOL, F	LUSH BO	OP, SET F	PACKOFF, DISCO	ONNECT LINES	AND PREP TO	SKID, PU BOP
Time Log				_	_			_			
Start Time 06:00	End Time 10:00	Dur (hr) 4.00	Activity CEMENTING	Code	Sub - (Code	Unschd Type	Start Depth (ft, KB) 8,172.0	End Depth (ft, KB) 8,172.0	TEST CEMENT PSI, PUMP 1ST BBLS OF WATE BBLS OF GELS	STAGE OF 20 ER SPACER, 20 SPACER, 220 LEAD CEMENT OF 14.2# TAIL LACED WITH VATER
10:00	10:30	0.50	CEMENTING	СМТ	2			8,172.0	8,172.0	DROP BOMB O WITH 700PSI, O BBLS WITH ALI	CIRCULATE 20
10:30	16:00		CIRCULATE/C ONDITION	CIRC	1			8,172.0	8,172.0	CIRCULATE CE HOLE 60 BBLS SURFACE, RED TO 215 GPM, A CIRCULATING	BACK TO DUCE PUMPS ND CONTINUE
16:00	20:00	4.00	CEMENTING	CMT	2			8,172.0	8,172.0	PJSM, PUMP C ALLIED, 1635 S OF 11.8 CEMEN 116 BBLS IF 14 CEMENT, DROI DISPLACE WIT WATER 420 BB 1100PSI, BUMF PRESURE UP T CLOSE DV. SLC TO 4 BBLS/M @ INTO DISPLACI CEMENT TO SL BBLS INTO DIS LOST RETURN INTO DISPLACI SLOWED PUMI BBL/MIN	KS, 699 BBLS NT, AND 475 SKS .8 # TAIL P PLUG AND H FRESH LS, FCP PLUG - BRING TO 2690 PSI TO DWED PUMPS 2 340 BBLS EMENT, AND JRFACE AT 355 PLACEMENT, S 359 BBLS EMENT,
20:00	20:30	0.50	MISCELLANE	ОТН				8,172.0	8,172.0	FLUSH BOP AN	D RIG DOWN
20:30	23:00		OUS NU/ND BOP	ВОР	1			8,172.0	8,172.0	CEMENTERS BREAK CHOKE MUD LINES, RE LINE, PRE PRIC PACK OFF AND STREAM FLO S DOWN LANDIN NIPPLE DOWN SAME - RR AT 2 FOR SKID TO T 04SA	EMOVE FLOW G TO SKID, SET TEST TO SPECS 5K, LAY G JOINT AND BOP AND LIFT
Head Cour	nt / Man Hou						F	ayoo Tur -	0	Bog Wast Time #	s) Tot Mark Total
	Cor	mpany		Тур	ie		Emplo	oyee Type	Count	Reg Work Time (h	r) Tot Work Time (hr)
Casing Str	ings								1		
(Csg Des	OD (i	in) Set Depth (ft, KB) Top	o (ft, KB)	Run D	ate	Drift Min (in)	Wt/Len (lb/ft)	Dens Fluid (lb/gal)	P LeakOff (psi)
PRODUCTION CASING CONDUCTOR 20 SURFACE CASING 13 3/8		20	105.0 533.0	25.0 8	3/2/2016 3/13/2016		18.54	133			



Daily Partner Report

9/19/2016 06:00 - 9/20/2016 06:00

Report# 8

DFS 7.0

 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
 8,152.0
 -7.5
 9/19/2016
 40.00
 40.00



Daily Partner Report

11/19/2016 09:00 - 11/20/2016 06:00

Report# 9

DFS 8.0 Well Info Surface Legal Location S13-7, U L SVY, U19 Spud Date 9/13/2016 42-317-40523 PERMIAN BASIN DIVISION SPRABERRY

B Elevation (ft) MARTIN **TEXAS** 2,911 2.936

Job Summary Job Category DRILLING

Cum Field Est To Date (Cost) 811,776.45 JOB AFE AMOUN 2,380,100.00

Last Casing String INTERMEDIATE CASING, 8,152.0ft,

Daily Ops Summary

Wellbore Name Original Hole End Depth (ft, KB) 8,450.0 Progress (ft) 278 Daily Field Est 61,087.02 UNIT 103 Avg ROP 92.7 3.00 7.81 MOSTLY CLOUDY Good

ROTARY DRILLING

S/M WALK RIG AND CENTER OVER WELL, LEVEL SAME, N/U AND RIG UP AFTER SKID, PSI TEST BOP'S, P/U DIRECTIONAL TOOLS, SCRIBE ORIENT AND TEST SAME, M/U BIT TIH, DRILL OUT DV TOOL, CONT TIH, TEST CASING TO 1500PSI FOR 30 MINS, DRILL OUT CEMENT EQUIP, DISPLACE TO OBM, DIRECTIONAL DRILL, SURVEYS AND CONNECTIONS, RIG SERVICE AND TOP DRIVE INSPECTION

ROTARY AND SLIDE DRILL, SURVEYS AND CONNECTIONS, RIG SERVICE AND TOP DRIVE INSPECTION, DROP GYRO AND TOOH, RETRIEVE GYRO, C/O DIRECTIONAL TOOLS FOR CURVE ASSEMBLY, TIH WITH CURVE ASSEMBLY, BEGIN BUILDING CURVE

Time Log									
Start Time	End Time	Dur (hr)	Activity	Code	Sub - Code	Unschd Type	Start Depth (ft, KB)	End Depth (ft, KB)	Com
09:00	11:00	2.00	MOVE RIG	LOC	3		8,172.0	-,	PRE WALK MEETING, WALK RIG TO UNIVERSITY 7-0213 N 03SC, SOFT GROUND
11:00	13:00	2.00	RIG UP/DOWN	LOC	4		8,172.0	8,172.0	PJSM - R/U AFTER WALK, SET CATWALK & V-DOOR, N/U BOP, CHOKE LINE, MUD LINE
13:00	17:00	4.00	TEST BOP	ВОР	2		8,172.0	8,172.0	TEST BOP, CHOKE, TD, MUD LINE TO 5000 & 250 PSI.TEST ANNULAR TO 3500 & 250 PSI.
17:00	19:00	2.00	PU/LD BHA	TRP	1		8,172.0	8,172.0	P/U DIR TOOLS SCRIBE ORIENT AND TEST SAME
19:00	22:00		TRIP	TRP	2		8,172.0	,	M/U BIT,TIH TO TOP DV TOOL AT 5532,
22:00	22:30	0.50	DRILL CEMENT/EQUI PMENT	DRL	4		8,172.0	8,172.0	DRILL DV TOOL, 450 GPM, 35 RPM, 10-15K WOB
22:30	23:30	1.00	TRIP	TRP	2		8,172.0	8,172.0	TIH TO 8039'
23:30	00:30	1.00	PRESSURE TEST CASING	EQT	1		8,172.0	8,172.0	CIRC AIR OUT, SHUT IN & PRESSURE TEST CASING TO 1500PSI FOR 30 MINS
00:30	01:00	0.50	RIG REPAIR	RIG	2	Equip ment Failure	8,172.0	8,172.0	C/O SWIVEL PACKING
01:00	02:00	1.00	DRILL CEMENT/EQUI PMENT	DRL	4		8,172.0	8,182.0	DRILL OUT FLOAT, SHOE RAT HOLE AND 10' OF NEW HOLE
02:00	02:30	0.50	CIRCULATE/C ONDITION	CIRC	1		8,182.0	8,182.0	DISPLACE TO OBM
02:30	05:30	3.00	DIRECTIONAL DRILL	DRL	2		8,182.0	8,450.0	DRILL F/8182' TO 8450' =278', WOB 28K, 550 GPM, 65 RPM 1 SLIDE= 10'
05:30	06:00	0.50	SURVEY	SUR	1		8,450.0	8,450.0	SURVEYS AND CONNECTIONS

Head Count / Man Hou	Head Count / Man Hours												
Cor	npany		Туре		Em	ployee 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	533.0	-5.6	9/13/2016		54.50		
INTERMEDIATE CASING	9 5/8	8,152.0	25.5	9/19/2016		40.00		
PRODUCTION CASING		19,673.0						



11/20/2016 06:00 - 11/21/2016 06:00

Reg Work Time (hr)

Tot Work Time (hr)

Report# 10

DFS 9.0

Well Name: UNIVERSITY 7-0213 N 03SC

Well Info Surface Legal Location S13-7, U L SVY, U19 Spud Date 9/13/2016 42-317-40523 PERMIAN BASIN DIVISION SPRABERRY Ground Ele 2,911 Original 2,936 MARTIN TEXAS

Job Summary

Job Category DRILLING JOB AFE AMOUNT 2,380,100.00 Cum Field Est To Date (Cost) 873,545.26 Last Casing String INTERMEDIATE CASING, 8,152.0ft,

Daily Ops Summary

Progress (ft) 612 Daily Field Est 61,590.24 Wellbore Name
Original Hole
Hole Condition End Depth 9,062.0 UNIT 103 Avg ROP (ft/hr) 61.2 10.00 PARTLY CLOUDY 8.81 Good

SLIDE DRILLING BUILDING CURVE

DRILL TO KOP, CIRC AND DROP GYRO, TRIP OUT OF HOLE, RETRIEVE GYRO, C/O DIRECTIONAL TOOLS, TIH, BEGIN CURVE

BUILD AND LAND CURVE, TRIP FOR LATERAL ASSEMBLY

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	12:00		DIRECTIONAL DRILL	DRL	2	Турс	8,450.0		DRILL F/8450' TO 8893' =443', WOB 28K, 550 GPM, 60 RPM
12:00	13:00	1.00	SURVEY	SUR	1		8,893.0	8,893.0	CONN & SURVEYS
13:00	13:30	0.50	RIG SERVICE	RIG	1		8,893.0	8,893.0	RIG SERVICE AND TOP DRIVE INSPECTION
13:30	15:30	2.00	DIRECTIONAL DRILL	DRL	2		8,893.0	8,994.0	DRILL F/8893' TO 8994' =101', WOB 28K, 550 GPM, 60 RPM
15:30	16:00	0.50	CIRCULATE/C ONDITION	CIRC	1		8,994.0	8,994.0	CIR BTM'S UP
16:00	16:30	0.50	SURVEY	SUR	1		8,994.0	8,994.0	S/M & DROP GYRO
16:30	21:00	4.50	TRIP	TRP	2		8,994.0	8,994.0	TOH F/CURVE ASSY
21:00	21:30	0.50	SURVEY	SUR	1		8,994.0	8,994.0	RETRIEVE GYRO AND L/D
21:30	23:00	1.50	PU/LD BHA	TRP	1		8,994.0	8,994.0	CHANGE OUT DIRECTIONAL TOOLS, SCRIBE ORIENT AND TEST SAME
23:00	23:30	0.50	RIG SERVICE	RIG	1		8,994.0	8,994.0	RIG SERVICE AND CHANGE OUT SAVER SUB
23:30	03:30	4.00	TRIP	TRP	2		8,994.0	-,	TRIP IN THE HOLE WITH CURVE ASSEMBLY, SAFETY WASH AND REAM LAST STAND TO BOTTOM
03:30	05:30		DIRECTIONAL DRILL	DRL	2		8,994.0		DRILL BUILDING CURVE, 550 GPM, 29K WOB, 20-25 RPM 2 SLIDES=48'
05:30	06:00	0.50	SURVEY	SUR	1		9,062.0	9.062.0	SURVEYS AND CONNECTIONS

Head Count / Man Hours

Casing Strings Dens Fluid (lb/gal) Csg Des Wt/Len (lb/ft) 133.00 OD (in) Set Depth (ft, KB) Run Date Drift Min (in) P LeakOff (psi) 25.0 8/2/2016 18.54 20 105.0 -5.6 9/13/2016 SURFACE CASING 13 3/8 533.0 54.50 INTERMEDIATE CASING 9 5/8 8,152.0 25.5 9/19/2016 40.00 PRODUCTION CASING 19,673.0

Employee Type

Туре



Cacina Strings

Daily Partner Report

11/21/2016 06:00 - 11/22/2016 06:00

Report# 11

Well Name: UNIVERSITY 7-0213 N 03SC

DFS 10.0 Well Info Surface Legal Location S13-7, U L SVY, U19 Spud Dat 42-317-40523 PERMIAN BASIN DIVISION SPRABERRY 9/13/2016 MARTIN **TEXAS** 2,911 2.936 Job Summary Cum Field Est To Date (Cost) 945,080.89 Last Casing String INTERMEDIATE CASING, 8,152.0ft, Job Category DRILLING JOB AFE AMOUN 2,380,100.00 Daily Ops Summary Progress (ft) 778 End Depth 9,840.0 Daily Field Est 71,535.63 UNIT 103 Original Hole 9.81 18.50 42.1 **CLEAR** Good SLIDE DRILLING BUILDING CURVE DRILL BUILDING CURVE, SURVEYS AND CONNECTIONS, RIG SERVICE AND TOP DRIVE INSPECTION CIRCULATE FOR TRIP, TRIP FOR LATERAL ASSEMBLY, C/O DIRECTIONAL TOOLS, TIH, ROTARY AND SLIDE DRILL IN LATERAL Time Log Unschd Type Start Time End Time Sub - Code Start Depth (ft, KB) Dur (hr) Code End Depth (ft, KB) (hr) Activity 6.50 DIRECTIONAL 9,284.0 DRILL BUILDING CURVE F/9062' TO 9284', 450 GPM, 30-DRI 06:00 12:30 9.062.0 **DRILL** 35K WOB, 15 RPM 12:30 13:30 1.00 SURVEY 9,284.0 9,284.0 CONN & SURVEYS SUR 0.50 RIG SERVICE RIG SERVICE AND TOP DRIVE RIG 9.284.0 13:30 14:00 1 9.284.0 INSPECTION 9,569.0 DRILL BUILDING CURVE 14:00 20:30 6.50 DIRECTIONAL DRI 9.284.0 2 F/9284' TO 9569'=285', 450 **DRILL** GPM, 30-45K WOB, 15 RPM 22:30 2.00 SURVEY SURVEYS AND CONNECTIONS 20:30 SUR 9,569.0 9,569.0 3.50 DIRECTIONAL 9,758.0 DRILL BUILDING CURVE DRL 22:30 02:00 2 9.569.0 F/9569' TO 9758'=189', 450 **DRILL** GPM, 30-45K WOB, 15 RPM 02:00 03:00 1.00 SURVEY SUR 9,758.0 SURVEYS AND CONNECTIONS RIG SERVICE AND TOP DRIVE 0.50 RIG SERVICE 03:00 03:30 RIG 9,758.0 9,758.0 INSPECTION 03:30 DRILL BUILDING CURVE 2.00 DIRECTIONAL 05:30 DRI 2 9.758.0 9.840.0 F/9758' TO 9840'=82', 450 GPM, **DRILL** 30-45K WOB, 15 RPM 05:30 06:00 CIRCULATE/C CIRC 9,840.0 CIRCULATE BOTTOMS UP 9,840.0 ONDITION FOR TRIP Head Count / Man Hours Employee Type Reg Work Time (hr) Tot Work Time (hr) Туре Count

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	1 (' /	8/2/2016	18.54	133.00	, , ,	1 Louison (poi)
					10.54			
SURFACE CASING	13 3/8			9/13/2016		54.50		
INTERMEDIATE CASING	9 5/8	8,152.0	25.5	9/19/2016		40.00		
PRODUCTION CASING		19,673.0						



11/22/2016 06:00 - 11/23/2016 06:00

Report# 12

DFS 11.0

Well Name: UNIVERSITY 7-0213 N 03SC

Well Info API 42-317-40523 County Surface Legal Location S13-7, U L SVY, U19 Spud Date 9/13/2016 PERMIAN BASIN DIVISION SPRABERRY Original 2,936 MARTIN TEXAS 2,911 Job Summary
Job Category
DRILLING JOB AFE AMOUNT 2,380,100.00 Cum Field Est To Da 1,019,530.85 Last Casing String INTERMEDIATE CASING, 8,152.0ft,

Daily Ops Summary

Daily Field Est 72,829.51 Wellbore Name Original Hole Hole Condition End Depth (ft, KB) 10,901.0 Progres 1061 UNIT 103 9.50 111.7 10.81 CLEAR Good

ROTARY DRILLING IN LATERAL

TOOH FOR CURVE ASSEMBLY, C/O DIRECTIONAL TOOLS, TIH, ROTARY AND SLIDE DRILL, SURVEYS AND CONNECTIONS, RIG SERVICE AND TOP **DRIVE INSPECTION**

Operations Next Report Period

ROTARY AND SLIDE DRILL IN LATERAL, SURVEYS AND CONNECTIONS, RIG SERVICE AND TD INSPECTION

Time Log

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	10:30	4.50	TRIP	TRP	2		9,840.0	9,840.0	TOH F/LATERIAL ASSY, L/D 7 JTS DP F/HARDBANDING
10:30	12:00	1.50	PU/LD BHA	TRP	1		9,840.0	9,840.0	C/O DIR TOOS & TEST
12:00	17:00	5.00	TRIP	TRP	2		9,840.0	9,840.0	TIH, P/U AGITATOR, TEST BEFORE 455 PSI & AFTER 570 PSI,. WASH DOWN LAST STD
17:00	17:30	0.50	MISCELLANE OUS	ОТН			9,840.0	9,840.0	CHANGE OUT ROTATING HEAD ASSEMBLY
17:30	23:00	5.50	DIRECTIONAL DRILL	DRL	2		9,840.0	10,365.0	DIRECTIONAL DRILL IN LATERAL F/9840 TO 10,365'=525', 28K WOB, 65 RPM, 550 GPM 3 SLIDES=35'
23:00	00:30	1.50	SURVEY	SUR	1		10,365.0	10,365.0	SURVEYS AND CONNECTIONS
00:30	02:00	1.50	DIRECTIONAL DRILL	DRL	2		10,365.0	10,564.0	DIRECTIONAL DRILL IN LATERAL F/10365 TO 10,564=199', 28K WOB, 65 RPM, 550 GPM 1 SLIDES=18'
02:00	02:30	0.50	RIG SERVICE	RIG	1		10,564.0	10,564.0	RIG SERVICE AND TOP DRIVE INSPECTION
02:30	05:00		DIRECTIONAL DRILL	DRL	2		10,564.0	7,73	DIRECTIONAL DRILL IN LATERAL F/10,564 TO 10,901=275', 28K WOB, 65 RPM, 550 GPM 3 SLIDES=42'
05:00	06:00	1.00	SURVEY	SUR	1		10,901.0	10,901.0	SURVEYS 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	533.0	-5.6	9/13/2016		54.50		
INTERMEDIATE CASING	9 5/8	8,152.0	25.5	9/19/2016		40.00		
PRODUCTION CASING	5 1/2	19,673.0	22.8			20.00		

Employee Type

Count

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

Туре



11/23/2016 06:00 - 11/24/2016 06:00

Report# 13

DFS 12.0

Well Name: UNIVERSITY 7-0213 N 03SC

Well Info Surface Legal Location S13-7, U L SVY, U19 Spud Date 9/13/2016 42-317-40523 PERMIAN BASIN DIVISION SPRABERRY Ground Ele 2,911 Original 2,936 MARTIN TEXAS Job Summary
Job Category
DRILLING Cum Field Est To Da 1,084,742.38 JOB AFE AMOUNT 2,380,100.00 Last Casing String INTERMEDIATE CASING, 8,152.0ft,

Daily Ops Summary

Daily Field Est Total (Cost) 55,972.80 Wellbore Name
Original Hole
Hole Condition End Depth (ft, KB) 13,082.0 Progress (ft) 2181 UNIT 103 PARTLY CLOUDY 18.50 117.9 Good 11.81

ROTARY DRILLING IN LATERAL

ROTARY AND SLIDE DRILL IN LATERAL, SURVEYS AND CONNECTIONS, RIG SERVICE AND TOP DRIVE INPECTION, CLEAN UP CYCLE

ROTARY AND SLIDE DRILL IN LATERAL, SURVEYS AND CONNECTIONS, RIG SERVICE AND TOP DRIVE INPECTION,

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	13:30	7.50	DIRECTIONAL DRILL	DRL	2		10,901.0	11,882.0	DIRECTIONAL DRILL IN LATERAL F/10,901 TO 11,882=981', 28K WOB, 65 RPM, 550 GPM 4 SLIDES=55'
13:30	14:30	1.00	SURVEY	SUR	1		11,882.0	11.882.0	CONNECTIONS & SURVEYS
14:30	15:00	0.50	RIG SERVICE	RIG	1		11,882.0	11,882.0	RIG SERVICE AND TOP DRIVE INSPECTION
15:00	22:00	7.00	DIRECTIONAL DRILL	DRL	2		11,882.0	12,544.0	DIRECTIONAL DRILL IN LATERAL F/11,882 TO 12,544=662', 28K WOB, 65 RPM, 550 GPM
									6 SLIDES=79'
22:00	23:00	1.00	SURVEY	SUR	1		12,544.0	12,544.0	SURVEYS AND CONNECTIONS
23:00	23:30	0.50	RIG REPAIR	RIG	2	Equip ment Failure	12,544.0	12,544.0	CHANGE OUT SWAB AND LINER ON #1 MODULE OF #2 MUD PUMP
23:30	00:00	0.50	RIG SERVICE	RIG	1		12,544.0	12,544.0	RIG SERVICE AND TOP DRIVE INSPECTION
00:00	02:30	2.50	DIRECTIONAL DRILL	DRL	2		12,544.0	12,828.0	DIRECTIONAL DRILL IN LATERAL F/12,544 TO 12,828=284', 28K WOB, 65 RPM, 550 GPM 2 SLIDES=30'
02:30	03:00	0.50	SURVEY	SUR	1		12,828.0	12,828.0	SURVEYS AND CONNECTIONS
03:00	03:30	0.50	CIRCULATE/C ONDITION	CIRC	1		12,828.0	,	CLEAN UP CYCLE
03:30	05:00	1.50	DIRECTIONAL DRILL	DRL	2		12,828.0	13,082.0	DIRECTIONAL DRILL IN LATERAL F/12,828 TO 13,082=254', 28K WOB, 65 RPM, 550 GPM 1 SLIDE=15'

06:00 Head Count / Man Hours 1.00 SURVEY

SUR

05:00

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	533.0	-5.6	9/13/2016		54.50		
INTERMEDIATE CASING	9 5/8	8,152.0	25.5	9/19/2016		40.00		
PRODUCTION CASING	5 1/2	19.673.0	10.5			20.00		

13,082.0

Employee Type

13,082.0 SURVEYS AND CONNECTIONS

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



11/24/2016 06:00 - 11/25/2016 06:00

Report# 14

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

DFS 13.0

Well Name: UNIVERSITY 7-0213 N 03SC

Well Info API 42-317-40523 County Surface Legal Location S13-7, U L SVY, U19 Spud Date 9/13/2016 PERMIAN BASIN DIVISION SPRABERRY Ground Ele 2,911 Original 2,936 MARTIN TEXAS

Job Summary
Job Category
DRILLING Cum Field Est To D 1,146,586.76 JOB AFE AMOUNT 2,380,100.00 Last Casing String INTERMEDIATE CASING, 8,152.0ft,

Daily Ops Summary

Wellbore Name Original Hole Hole Condition End Depth (ft, KB) 15,212.0 Daily Field Est 61,844.38 Progress (ft) 2130 UNIT 103 Weather
PARTLY CLOUDY 19.50 12.81 109.2 Good

ROTARY DRILLING IN LATERAL

ROTARY AND SLIDE DRILL IN LATERAL, SURVEYS AND CONNECTIONS, RIG SERVICE AND TOP DRIVE INPECTION,

ROTARY AND SLIDE DRILL IN LATERAL, SURVEYS AND CONNECTIONS, RIG SERVICE AND TOP DRIVE INPECTION, CLEAN UP CYCLE

Time Log	
Start Time	
06:00	1

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		13,082.0	13,872.0	DIRECTIONAL DRILL IN LATERAL F/13,082 TO 13,872=790', 28-30K WOB, 65 RPM, 550 GPM 5 SLIDE=62'
13:30	14:00	0.50	SURVEY	SUR	1		13,872.0	13,872.0	SURVEYS AND CONNECTIONS
14:00	14:30	0.50	RIG SERVICE	RIG	1		13,872.0	13,872.0	RIG SERVICE AND TOP DRIVE INSPECTION
14:30	21:00	6.50	DIRECTIONAL DRILL	DRL	2		13,872.0	14,643.0	DIRECTIONAL DRILL IN LATERAL F/13,827 TO 14,643=771', 28-30K WOB, 65 RPM, 550 GPM 5 SLIDE=74'
21:00	23:00	2.00	SURVEY	SUR	1		14,643.0	14,643.0	SURVEYS AND CONNECTIONS
23:00	01:00	2.00	DIRECTIONAL DRILL	DRL	2		14,643.0	14,823.0	DIRECTIONAL DRILL IN LATERAL F/14,643 TO 14,823=180', 28-30K WOB, 65 RPM, 550 GPM 2 SLIDES = 35'
01:00	01:30	0.50	RIG SERVICE	RIG	1		14,823.0	14,823.0	RIG SERVICE AND TD INPSECTION
01:30	05:00	3.50	DIRECTIONAL DRILL	DRL	2		14,823.0	15,212.0	DIRECTIONAL DRILL IN LATERAL F/14,823 TO 15,212=389', 28-30K WOB, 65 RPM, 550 GPM 2 SLIDES=30'
05:00	06:00	1.00	SURVEY	SUR	1		15,212.0	15,212.0	SURVEYS AND CONNECTIONS

Head Count / Man Hours

Casing Strings												
	05 (1)	0 . 5 . 1 (* 155)	T (6 14D)		5 % 14 %	116.0 (0.00)	Dens Fluid	51 10"/ "				
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	533.0	-5.6	9/13/2016		54.50						
INTERMEDIATE CASING	9 5/8	8,152.0	25.5	9/19/2016		40.00						
PRODUCTION CASING	5 1/2	19.818.0	7.4			20.00						

Employee Type



11/25/2016 06:00 - 11/26/2016 06:00

40.00 20.00

Report Printed: 11/26/2016

Report# 15

rroportii ro

Nall Nama.	LINIVERSITY 7-0213 N 03SC	

											DFS 14.0	
Well Info												
API 42-317-4052	:3		face Legal Loca		Division PERMIAI	N BASI	N DIVISION	Field Name SPRABERRY		Spud Date 9/13/2016		
County MARTIN			State TEXA	S			Ground Elevation 2,911	ı (ft)	Origina 2,936	I KB Elevation (ft)		
Job Summar	ry			_			,		,			
Job Category DRILLING				sing String RMEDIATE (CASING, 8,152.0	JOB AFE AMOUNT (Cost) 2,380,100.00				Cum Field Est To Date (Cost) 1,212,176.98		
Daily Ops Su	ummary											
RIG UNIT 103			illbore Name riginal Hole		End Depth (17,292.0			Progress (ft) 2080		Daily Field Est Tot 65,590.22	tal (Cost)	
Weather CLOUDY			Hole Condition Good		Drilling	g Hours (h	nr)	Avg ROP 112.4	(ft/hr)	Cum T 13.81	ime Log Days (days)	
Operations at Rep ROTARY DR	RILLING IN LA		<u> </u>		10.0			112.1		110.0		
Operations Summ ROTARY AN		RILL IN LA	TERAL, SUF	RVEYS AND	CONNECTION	S, RIG	SERVICE AN	ND TOP DRIVE IN	IPECTION, CLEA	AN UP CYCLE		
Operations Next F		RILL IN LA	TERAL. SUF	RVEYS AND	CONNECTION	S. RIG	SERVICE AN	ND TOP DRIVE IN	IPECTION, CLEA	AN UP CYCLE		
Time Log	.5 02.52 5.			.,_,,,,,		<u> </u>	02.1110271					
Start Time	End Time	Dur (hr)	Activity		Code S	Sub - Cod	Unschd e Type	Start Depth (ft, KB)	End Depth (ft, KB)		Com	
	11:00		DIRECTION DRILL	IAL DRL	2	Sub - Cou	Туре	15,212.0	15,866.0	DIRECTIONAL LATERAL F/15,	DRILL IN 212 TO 8-30K WOB, 65	
11:00 1	11:30	0.50	SURVEY	SUR	1			15,866.0	15.866.0		CONNECTIONS	
	12:30	1.00	CIRCULATI ONDITION	E/C CIRC	1			15,866.0	15,866.0	CIR & PREFOR	RM CLEAN UP	
12:30	14:30	2.00	DIRECTION DRILL	IAL DRL	2			15,866.0	16,057.0	LATERAL F/15,	866 TO 8-30K WOB, 65	
14:30 1	15:00	0.50	SURVEY	SUR	1			16,057.0	16,057.0	SURVEYS AND	CONNECTIONS	
15:00 1	15:30	0.50	RIG SERVI	CE RIG	1			16,057.0	16,057.0	RIG SERVICE /	AND TD	
15:30	19:00	3.50	DIRECTION DRILL	IAL DRL	2			16,057.0	16,447.0	LATERAL F/16,	057 TO 8-30K WOB, 65	
	20:00		SURVEY	SUR	1			16,447.0	•		CONNECTIONS	
20:00	00:30		DIRECTION DRILL	IAL DRL	2			16,447.0	16,921.0	DIRECTIONAL LATERAL F/16, 16,921=474', 20 RPM, 550 GPM 3 SLIDES=47'	447 TO 8-30K WOB, 65	
	01:30		SURVEY	SUR	1			16,921.0			CONNECTIONS	
	02:00	0.50	RIG SERVI	CE RIG	1			16,921.0	16,921.0	RIG SERVICE /	AND TOP DRIVE	
02:00	05:30	3.50	DIRECTION DRILL	IAL DRL	2			16,921.0	17,292.0	LATERAL F/16,	921 TO 8-30K WOB, 65	
	06:00		SURVEY	SUR	1			17,292.0	17,292.0	SURVEYS AND	CONNECTIONS	
Head Count					T			alausa T		I Declared To	ha) Takana T	
	Compa	any			Туре		Em	ployee Type	Count	Reg Work Time (hr) Tot Work Time (hr	
Casing Strin	ngs											
CONDUCTO	g Des	OD (ir	n) Set D	epth (ft, KB)	Top (ft, KB)		Run Date	Drift Min (in)	Wt/Len (lb/ft)	Dens Fluid (lb/gal)	P LeakOff (psi)	
11 11 11 11 11 11 11 11 11 11 11 11 11	I D		201	1050	0.5	010/0/	21/14 C	40.5	41 400	. (1/1)		

Page 1/1

-5.6 9/13/2016

25.5 9/19/2016

7.4

13 3/8

9 5/8

5 1/2

533.0

8,152.0

19,818.0

SURFACE CASING

INTERMEDIATE CASING

QEP Energy Company

PRODUCTION CASING



Daily Partner Report

11/26/2016 06:00 - 11/27/2016 06:00

Report# 16

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

DFS 15.0 Well Info

API 42-317-40523 Surface Legal Location S13-7, U L SVY, U19 Spud Date 9/13/2016 PERMIAN BASIN DIVISION SPRABERRY Original 2,936 MARTIN TEXAS 2,911 Job Summary
Job Category
DRILLING Cum Field Est To Da 1,284,449.77 JOB AFE AMOUNT 2,380,100.00 Last Casing String INTERMEDIATE CASING, 8,152.0ft,

Daily Ops Summary Daily Field Est 72,272.79 End Depth (ft, 17,718.0 Progre 426 UNIT 103

Wellbore Name Original Hole Hole Condition Avg ROP (ft/hr) 94.7 CLOUDY 4.50 14.81 Good

TRIPPING IN HOLE

CONTRIBUTE OF THE ROLL OF THE

FINISH TRIP IN HOLE ROTARY AND SLIDE DRILL IN LATERAL, SURVEYS AND CONNECTIONS, RIG SERVICE AND TOP DRIVE INPECTION, CIRCULATE FOR CASING, TOOH FOR 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	10:30	4.50	DIRECTIONAL DRILL	DRL	2		17,292.0	17,718.0	DIRECTIONAL DRILL IN LATERAL F/17,292 TO 17,718=426', 30-32K WOB, 65 RPM, 550 GPM 4 SLIDES=75'
10:30	12:00	1.50	SURVEY	SUR	1		17,718.0	17,718.0	SURVEYS AND CONNECTIONS
12:00	12:30	0.50	CIRCULATE/C ONDITION	CIRC	1	MWD Failure	17,718.0	17,718.0	CIR& TROUBLE SHOOT MWD GAMMA
12:30	14:00	1.50	CIRCULATE/C ONDITION	CIRC	1	MWD Failure	17,718.0	17,718.0	CIR BTM'S UP, BUILD & PUMP SLUG
14:00	20:30	6.50	TRIP DUE TO FAILURE	TRP	13	MWD Failure	17,718.0	17,718.0	TOH F/GAMMA
20:30	22:00	1.50	PU/LD BHA	TRP	1	MWD Failure	17,718.0	17,718.0	CHANGE OUT DIRECTIONAL TOOLS, SCRIBE, ORIENT AND TEST SAME
22:00	01:30	3.50	TRIP	TRP	2	MWD Failure	17,718.0	17,718.0	TIH, FILLING EVERY +/- 35 STANDS, TEST AGITATOR BEFORE 542 PSI, AFTER 735 AFTER (193 PSI DIFF), TIH TO 2 STANDS PAST SHOE @ 8371'
01:30	02:30	1.00	CUT DRILL LINE	RIG	6	MWD Failure	17,718.0	17,718.0	CUT AND SLIP DRILL LINE
02:30	03:00	0.50	RIG SERVICE	RIG	1		17,718.0	17,718.0	RIG SERVICE AND TOP DRIVE INSPECTION
03:00	06:00	3.00	TRIP	TRP	2	MWD	17,718.0	17,718.0	CONTINUE TIH

Head Count / Man Hours Employee Type Count Туре

						1						
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	533.0	-5.6	9/13/2016		54.50						
INTERMEDIATE CASING	9 5/8	8,152.0	25.5	9/19/2016		40.00						
PRODUCTION CASING	5 1/2	19,818.0	7.4			20.00						

Failure



11/27/2016 06:00 - 11/28/2016 06:00

Report# 17

Well	Name: Ul	NIVERSIT	Y 7-0213 N 0	3SC					•	DFS 16.0
Well Info										
API 42-317-405	523		rface Legal Location 13-7, U L SVY, U	J19	Division PERMIAN BAS	SIN DIVISION	Field Name SPRABERRY		Spud Date 9/13/2016	
County MARTIN		•	State TEXAS		•	Ground Elevation 2.911	(ft)	Original 2.936	KB Elevation (ft)	
Job Summ	ary		1, 2, 2, 3					,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
Job Category DRILLING			Last Casing S INTERME KB	tring DIATE CASIN	G, 8,152.0ft,	JOB AFE AMOUN 2,380,100.00			eld Est To Date (Cost) 738.40	
Daily Ops	Summary	l l a			Is 18 " " 18		In (0)		la v eves ext	
RIG UNIT 103			ellbore Name riginal Hole		End Depth (ft, KB) 19,284.0		Progress (ft) 1566		Daily Field Est Tota 56,288.63	il (Cost)
Weather CLEAR		I	Hole Condition Good		Drilling Hours	s (hr)	Avg ROP 97.9	(ft/hr)	Cum Tir 15.81	ne Log Days (days)
Operations at F										
Operations Sur FINISH TIH	mmary H, RE LOG L	AST 46' OF	GAMMA, ROTA	RY AND SLIE	DE DRILL, SUR	VEYS AND CO	NNECTIONS, RIC	SERVICE AND	TD INSPECTION	١
	kt Report Period ND SLIDE D	RILL, CIRC	AND TOOH FO	R CASING, R	IG UP AND RU	N CASING				
Time Log		·								
Start Time	End Time	Dur (hr)	Activity	Code	Sub - Co	Unschd ode Type	Start Depth (ft, KB)	End Depth (ft, KB)	(Com
06:00	06:30	,	TRIP	TRP	2	MWD Failure	17,718.0		TIH, WASH DO	WN LAST STD
06:30	07:00	0.50	ORIENT DIRECTIONAL TOOLS	DRL	3	MWD Failure	17,718.0	17,718.0	RELOG GAMM/ 17718'	A F/17672' TO
07:00	13:00	6.00	DIRECTIONAL DRILL	DRL	2		17,718.0	,	DIRECTIONAL I LATERAL F/17,7 18,336=618', 28 RPM, 550 GPM 5 SLIDES=67'	718 TO
13:00	14:30		SURVEY	SUR	1		18,336.0	,		CONNECTIONS
14:30	15:00		RIG SERVICE	RIG	1		18,336.0	*		CONNECTIONS
15:00	19:00	4.00	DIRECTIONAL DRILL	DRL	2		18,336.0	,	DIRECTIONAL I LATERAL F/18,3 18,811=475', 28 RPM, 500 GPM 3 SLIDES=53'	336 TO
19:00	21:30	I	SURVEY	SUR	1		18,811.0	·		CONNECTIONS
21:30	02:30	5.00	DIRECTIONAL DRILL	DRL	2		18,811.0	,	DIRECTIONAL I LATERAL F/18,8 19,190=379', 28 RPM, 500 GPM 3 SLIDES=60'	311 TO
02:30	04:00		SURVEY	SUR	1		19,190.0			CONNECTIONS
04:00	04:30	0.50	RIG SERVICE	RIG	1		19,190.0		RIG SERVICE A INSPECTION	ND TOP DRIVE
04:30	05:30	1.00	DIRECTIONAL DRILL	DRL	2		19,190.0		DIRECTIONAL I LATERAL F/19, 19,210=94', 28-3 RPM, 500 GPM 1 SLIDES=10'	190 TO
05:30	06:00		SURVEY	SUR	1		19,284.0	19,284.0	SURVEYS AND	CONNECTIONS
Head Cour	nt / Man Hou	rs mpany		Т	ype	Fm	ployee Type	Count	Reg Work Time (h	r) Tot Work Time (hr)
		puny			, p. c		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Count	rtog tront inno (ii	., rectivent rame (iii)
Casing Str	ings						ı		Dens Fluid	
CONDUCT SURFACE INTERMED		IG 9	20 3 3/8 9 5/8	(ft, KB) T 105.0 533.0 3,152.0 0,846.0		Run Date 2/2016 13/2016 19/2016	Drift Min (in) 18.5	Wt/Len (lb/ft) 4 133. 54. 40.	(lb/gal) 00 50 00	P LeakOff (psi)



11/28/2016 06:00 - 11/29/2016 06:00

Report# 18

DFS 17.0

Well Name: UNIVERSITY 7-0213 N 03SC

Well Info						
API	Surface Legal Location	Division		Field Name	S	pud Date
42-317-40523			N DIVISION	SPRABERRY	9	/13/2016
County	State	•	Ground Elevation (ft)		Original KB E	levation (ft)
MARTIN	TEXAS		2,911		2,936	
Job Summary	·					
Job Category	Last Casing String		JOB AFE AMOUNT (C	Cost)	Cum Field Es	st To Date (Cost)
DRILLING	INTERMEDIATE	CASING, 8,152.0ft,	2,380,100.00		1,392,040).89
	KB					
Daily Ops Summary						
RIG	Wellbore Name	End Depth (ft, KB)		Progress (ft)	D	aily Field Est Total (Cost)
UNIT 103	Original Hole	19,851.0		567	5	1,302.49
Weather	Hole Condition	Drilling Hours (h	ır)	Avg ROP (ft/hr)		Cum Time Log Days (days)
PARTLY CLOUDY	Good	5.50		103.1		16.81

Operations at Report Time
RUNNING 5 1/2" PRODUCTION CASING

ROTARY AND SLIDE DRILL IN LATERAL, SURVEYS AND CONNECTIONS, RIG AND TOP DRIVE SERVICE, CIRC FOR TRIP, TOOH FOR CASING, L/D DIRECTIONAL TOOLS, RIG UP AND RUN CASING

Operations Next Report Period
RUN AND LAND CASING. CEMENT CASING. N/D BOP'S, LIFT STACK, SET SLIPS, CUT CASING, INSTALL NIGHT CAP AND TEST SAME, PREPARE FOR

RUN AND WALK	LAND CASI	NG, CEMEN	T CASING, N/D	BOP'S, LIFT ST	ACK, SET SLIP	S, CUT CAS	ING, INSTALL NIC	GHT CAP AND T	EST SAME, PREPARE FOR
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	11:00	5.00	DIRECTIONAL DRILL	DRL	2		19,284.0	19,756.0	DIRECTIONAL DRILL IN LATERAL F/19,284 TO 19,756=472', 28-30K WOB, 65 RPM, 500 GPM 3 SLIDES=20'
11:00	13:00	2.00	SURVEY	SUR	1		19,756.0	19,756.0	SURVEYS AND CONNECTIONS
13:00	13:30	0.50	RIG SERVICE	RIG	1		19,756.0	19,756.0	RIG SERVICE AND TOP DRIVE INSPECTION
13:30	14:00	0.50	DIRECTIONAL DRILL	DRL	2		19,756.0	19,851.0	DIRECTIONAL DRILL IN LATERAL F/19,756 TO 19,851=95', 28-30K WOB, 65 RPM, 500 GPM
14:00	17:00	3.00	CIRCULATE/C ONDITION	CIRC	1		19,851.0	19,851.0	PUMP SWEEPS & CIR 2 BTM'S UP
17:00	23:30	6.50	TRIP	TRP	2		19,851.0	19,851.0	TOH F/CASING, L/D AGITATOR, PULL ROTATING HEAD ASSEMBLY
23:30	00:30	1.00	PU/LD BHA	TRP	1		19,851.0	19,851.0	L/D DIRECTIONAL TOOLS, CLEAN AND CLEAR RIG FLOOR
00:30	02:00	1.50	RIG UP/DOWN CSG CREW	CSG	1		19,851.0	19,851.0	PJSM, RIG UP CASING AND TORQUE TURN EQUIPMENT
02:00	06:00	ROTATING HEAD AND RUN					MAKE UP SHOE TRACK, FILL AND TEST FLOATS, INSTALL ROTATING HEAD AND RUN 5 1/2" PRODUCTION CASING		
Head Cou	nt / Man Hou								
	Cor	mpany		Туре		Em	ployee Type	Count	Reg Work Time (hr) Tot Work Time (hr)

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	533.0	-5.6	9/13/2016		54.50						
INTERMEDIATE CASING	9 5/8	8,152.0	25.5	9/19/2016		40.00						
PRODUCTION CASING	5 1/2	19,846.0	-5.2			20.00						



Daily Partner Report

11/29/2016 06:00 - 11/30/2016 06:00

Report# 19

DFS 18.0

Second S	Mail Info														
42-317-40523 \$13-7 , U L SVY, U19	Well Info		18	Surface Le	egal Location		Divisi	ion			Field Name		Spud Date		
MARTIN TEXAS 2,911 2,935 2,931 2,935 3 2,000 3 2,000 3 2,000 3 2,000 3 2,000 3 2,000 3 3 3 3 3 3 3 3 3		523			U L SVY, U	19	PEF	RMIAN I				F2	9/13/2016		
DRILLING PRODUCTION CASING, 19.805.0ft, KB 2.880,100.00 1.842,79162 1.842,79											(ft)		KB Elevation (ft)		
DRILLING		ary													
Daily Ops Summary Welflore Nume Grad Despite II, 188 Despite II, 188 Despite II,							IG, 19,	805.0ft,					` '		
UNIT 103		Summary							ŕ	· ·		,			
Name									KB)					(Cost)	
Operations all Report Time RELEASE RIG FOR WALK	Weather			Hole Co	ondition		- /		ours (hr)		Avg ROP (ft/hr)	Cum Tin	ne Log Days (days)	
Comparison Summany RUM AND LAND CASING, CIRCULATE AND CEMENT PROD CASING, N/D AND PICK STACK, SET SLIPS, CUT CASING, INSTALL NIGHT CAP AND TEST COPERATION New Report Pariod Research Resea		Report Time		G000									17.81		
RUM AND LAND CASING, CIRCULATE AND CEMENT PROD CASING, N/D AND PICK STACK, SET SLIPS, CUT CASING, INSTALL NIGHT CAP AND TEST Operations bear Report Period RELEASE RIG Time	_		LK												
Time Log Start Time End Time Dur (fin) Activity Code Sub - Code Unschild Type Start Deprit (ft, KB) End Depth (RUN AND I	LAND CASIN	IG, CIRCL	JLATE	AND CEME	NT PROD	CASIN	G, N/D	AND PI	CK STACK	K, SET SLIPS, CU	T CASING, INST	ALL NIGHT CAP	AND TEST	
Start Time															
Start Time															
18:30		F. I.T.	D = (1-2)		A of the	0.1.		0.1	0.1.		Over Denth (f. 16D)	F. J. D. and (6, 16D)			
19:30			. ,	0 RUN	•				- Code	Type					
18:30											,	,	CIR@ 4500, SH	OE, 12400',	
19:30 21:30 2.00 CIRCULATE/C CIRC 1 19.851.0 19.851.0 19.851.0 CIRCULATE BOTTOM UP, RIG DOWN CASERS, 21:30 22:00 0.50 RIG UP/DOWN CMMT 1 19.851.0 19.851.0 19.851.0 S/M AND RIG UP CEMENTERS 22:00 03:30 5.50 CEMENTING CMT 2 19.851.0 19.851.0 19.851.0 CEMENT PRODUCTION CASING PER SCHEDULE, 03:30 04:00 0.50 RIG UP/DOWN CMT 1 19.851.0 19.851.0 RIG DOWN CEMENTERS, FLUSH ALL SURFACE LINES FLUSH ALL SURFACE L	18:30	19:30	1.0	0 RUN	CASING	CSG		2			19,851.0	19,851.0			
19:30 21:30 2:00 CIRCULATE/C ONDITION CIRC 1 19,851.0 19,851.0 19,851.0 CIRCULATE BOTTOM UP, RIG DOWN CASERS,															
ONDITION DOWN CASERS,														UBLE SHOOT	
21:30 22:00 0.50 RIG UP/DOWN CMT 1 19,851.0 19,851.0 S/M AND RIG UP CEMENTERS	19:30	21:30	2.0			CIRC		1			19,851.0	19,851.0		, -	
CASING PER SCHEDULE, CASING PER SCHEDULE,	21:30	22:00	0.5	0 RIG	UP/DOWN	СМТ		1			19,851.0	19,851.0		,	
03:30	22:00	03:30	5.5	0 CEM	IENTING	СМТ		2			19,851.0	19,851.0			
04:00	03:30	04:00	0.5			СМТ		1			19,851.0	19,851.0	l .	,	
05:00 06:00 1.00 SET SLIPS CSG 7 19,851.0 19,851.0 SET SLIPS WITH 170K, CUT AND DRESS CASING, INSTALL NIGHT CAP AND TEST TO 5K, RELEASE RIG Head Count / Man Hours	04:00	05:00	1.0	0 NU/N	ND BOP	ВОР		1			19,851.0	19,851.0	l .	BOP'S AND	
Head Count / Man Hours	05:00	06:00	1.0	0 SET	SLIPS	CSG		7			19,851.0	19,851.0			
Head Count / Man Hours													NIGHT CAP AND) TEST TO	
Casing Strings Conductor 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 SURFACE CASING 20 113 3/8 133.00 533.0 -5.6 9/13/2016 9/13/2016 18.54 54.50 133.00 54.50 54.50 40.00 54.50 40.00 54.50 </td <td>Head Coun</td> <td>t / Man Hour</td> <td>'S</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>[5: 4,: 12=2 16= 14.</td> <td></td>	Head Coun	t / Man Hour	'S										[5: 4,: 12=2 16= 14.		
Conductor 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 SURFACE CASING 20 105.0 25.0 8/2/2016 18.54 133.00 54.50		Com	npany				Туре			Emp	ployee Type	Count	Reg Work Time (hr	r) Tot Work Time (hr)	
Conductor 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 SURFACE CASING 20 105.0 25.0 8/2/2016 18.54 133.00 54.50	Casing Str	inas													
CONDUCTOR 20 105.0 25.0 8/2/2016 18.54 133.00 SURFACE CASING 13 3/8 533.0 -5.6 9/13/2016 54.50 INTERMEDIATE CASING 9 5/8 8,152.0 25.5 9/19/2016 40.00			00) (in)	Cat Danth /f	+ KB)	Ton /ft	KB)		ın Data	Drift Min (in)	\\\\t/\ op (\ \ \ft\\)	Dens Fluid	D LookOff (noi)	
INTERMEDIATE CASING 9 5/8 8,152.0 25.5 9/19/2016 40.00		-	OL.				тор (п,							P LeakOii (psi)	
										/2016					
PRODUCTION CASING 5 1/2 19,805.0 -5.6 11/29/2016 20.00															
	PRODUCTI	ION CASING		5 1/2	19,	,805.0		-5.6	11/29/2	2016		20	.00		