

SABLE PERMIAN RESOURCES, LLC
Daily Completion Partner Report

Report Date 10/12/2017
AFE # 1550466
Total AFE 4,547,178

UNIVERSITY 11 RE 932HA
WELL NO. 156

API 42383398290000	State TEXAS	County REAGAN	Well Config HORIZONTAL	Ground Elevation (ft) 2,666.00	RKB (ft) 21.00	Well Status COMPLETION	Well Sub-Status COMPLETING	Completion Date										
Job Information																		
Job Category COMPLETION		Primary Job Type COMPLETION - ORIGINAL		Secondary Job Type		Start Date 9/18/2017		End Date										
AFE Number 1550466		Supplemental AFE Number		Daily Field Est (Cost) 217,126		Cum Field Est (Cost) 1,693,039												
Number of Stages (ft) 46		Lateral Length (ft) 9,965		Time Since LTI (days)		Time Since Reportable Incident (days)												
Daily Contacts																		
Contacts COMP SUPT, BEN MCCORMICK, ; COMP ENG, CORLEY WALTERS, ; COMP SUPT, DALE BLOCKER, ; CSV, JERRY GOSA, ; CSV, MICAH FALGOUT,																		
Daily Operations																		
Operations Summary 0 EHS; 2.5 hrs NPT; Frac stages 18 -20 of 46. Plug & Perf stages 19 -21 of 46.																		
Planned Operations Frac Ops																		
Time Log																		
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Activity	Inactive?	Comments		Unschd Type	NPT									
06:00	06:15	0.25	0.25	GENERAL OPERATIONS	No	SimOps. Waiting on adjacent well ops.			No									
06:15	07:15	1.00	1.25	DOWNTIME	No	Waiting on Sand			Yes									
07:15	08:30	1.25	2.50	FRAC. JOB	No	Frac Stg. # 18			No									
08:30	09:30	1.00	3.50	GENERAL OPERATIONS	No	Grease zipper manifold.			No									
09:30	12:00	2.50	6.00	PERFORATING	No	Plug/Perf Stg. 19			No									
12:00	16:15	4.25	10.25	STANDBY	No	SimOps. Waiting on adjacent well ops			No									
16:15	17:30	1.25	11.50	FRAC. JOB	No	Frac Stg. 19			No									
17:30	18:00	0.50	12.00	GENERAL OPERATIONS	No	Swap Frac to WL			No									
18:00	19:30	1.50	13.50	PERFORATING	No	Perf Stg 20			No									
19:30	01:15	5.75	19.25	STANDBY	No	SimOps. Waiting on adjacent well ops			No									
01:15	02:30	1.25	20.50	FRAC. JOB	No	Frac Stg. 20			No									
02:30	04:00	1.50	22.00	GENERAL OPERATIONS	No	Greasing Wellheads			No									
04:00	04:30	0.50	22.50	GENERAL OPERATIONS	No	Swap to WL			No									
04:30	06:00	1.50	24.00	PERFORATING	No	Perf Stg 21			No									
NPT																		
Type		Subtype		Des		Start Date		End Date		Failed Item		Accountable Party		Dur (Net) (hr)				
SURFACE EQUIPMENT		FRAC AUXILIARY EQUIP		Waiting on Sand to arrive		10/11/2017 06:15		10/11/2017 07:15				HALLIBURTON		1.00				
Safety Checks																		
Time		Type				Inspected By				Description								
06:00		SAFETY MEETING				Chris Cobb/Slade Sears				PJSM Good handovers and walking valves								
18:00		SAFETY MEETING				Tim Milam/ Jerry Gosa				PJSM Good handovers and walking valves								
Plug Details																		
Des			Top (ftKB)		Btm (ftKB)		OD (in)		ID (in)		Run Date		Pull Date		Com			
FRAC PLUG			13,879.0		13,881.0		4.37				10/11/2017				Frac Plug #18			
FRAC PLUG			13,666.0		13,668.0		4.37				10/11/2017				Frac Plug #19			
FRAC PLUG			13,453.0		13,455.0		4.37				10/12/2017				Frac Plug #20			
Perforation Intervals																		
Time		Linked Zone			Top (ftKB)			Btm (ftKB)			Shot Dens (shots/ft)			Gun Size (in)		Com		
05:00					13,253.0			13,438.0			5.0			3 1/2		Stg 21		
18:38					13,469.0			13,651.0			5.0			3 1/2		Stg 20		
18:38					13,681.0			13,864.0			5.0			3 1/2		Stg 19		
Stimulations Summary																		
Type SAND FRAC			Stim/Treat Company HALLIBURTON ENERGY SERVICES				Start Date 10/4/2017			End Date			Volume Clean Total (bbl) 93,293.50			Proppant Total (lb) 7,370,023.0		
Stimulation Details																		
STAGE 18 - SAND on 10/11/2017																		
Start Date 10/11/2017		Type SAND		Zone		Wellbore ORIGINAL HOLE		Stim/Treat Company HALLIBURTON ENERGY SERVICES				Comment Stage #18. Pumped 100% of Proppant. Max Prop Con - 3.60 ppg. Stage pumped per design.						
Top Depth (ftKB) 13,894.0		Bottom Depth (ftKB) 14,078.0		Proppant Designed (lb) 366,155		Propanant Placed (lb) 367,674		Volume Clean Total (bbl) 4,928.60				Volume Slurry Total (bbl) 5,349.20						
P Pre SI (psi) 2,190.0		ISIP (psi) 3,482.0		5 min SI (psi) 2951		Breakdown Pressure (psi)		Breakdown Rate (bbl/min)		Treat Pressure Max (psi) 6,181.0		Treat Pressure Avg (psi)		Frac Gradient (psi/ft) 0.91				
Slurry Rate Min (bbl/min) 80				Slurry Rate Avg (bbl/min) 87				Slurry Rate Max (bbl/min) 90				Pump Power Avg (hp) 12,286.0						
Type		Des		Sand Size		Design Amount (lb)		Amount (lb)				Note						
SAND		40/70 WHITE		40/70				59,727.0										
SAND		100 MESH WHITE		100 MESH				252,427.0										
SAND		100 MESH						55,520.0				100 MESH BROWN						
Add Type		Add Subtype		Add		Purpose		Design Amount		Amount		Units		Com				
ACID				HCL 15%						2,000.0		gal						
ACID INHIBITOR/RETARDER										8.0		gal						
IRON CONTROL										8.0		gal						
BIOCIDE				MC B-8614						82.0		GAL						
BREAKING AGENT				POLYBREAK 52						113.0		lb						
CLAY CONTROL				CLA-WEB II						50.0		GAL						
FRICTION REDUCER				HIFLOW 5						213.0		gal						
SURFACTANT				FDP-S1226-15						205.0		GAL						
STAGE 19 - SAND on 10/11/2017																		
Start Date 10/11/2017		Type SAND		Zone		Wellbore ORIGINAL HOLE		Stim/Treat Company HALLIBURTON ENERGY SERVICES				Comment Stage #19. Pumped 100% of Proppant. Max Prop Con - 3.70 ppg. Stage pumped per design.						
Top Depth (ftKB) 13,681.0		Bottom Depth (ftKB) 13,865.0		Proppant Designed (lb) 366,155		Propanant Placed (lb) 366,243		Volume Clean Total (bbl) 4,438.10				Volume Slurry Total (bbl) 4,835.60						
P Pre SI (psi) 2,090.0		ISIP (psi) 3,796.0		5 min SI (psi) 3112		Breakdown Pressure (psi)		Breakdown Rate (bbl/min)		Treat Pressure Max (psi) 7,265.0		Treat Pressure Avg (psi) 5,904.0		Frac Gradient (psi/ft) 0.95				
Slurry Rate Min (bbl/min) 73				Slurry Rate Avg (bbl/min) 84				Slurry Rate Max (bbl/min) 89				Pump Power Avg (hp) 12,126.0						
Type		Des		Sand Size		Design Amount (lb)		Amount (lb)				Note						
SAND				100 MESH				191,880.0				100 MESH BROWN						
SAND		40/70 WHITE		40/70				60,343.0										
SAND		100 MESH WHITE		100 MESH				114,020.0										
Add Type		Add Subtype		Add		Purpose		Design Amount		Amount		Units		Com				
ACID				HCL 15%						2,000.0		gal						
ACID INHIBITOR/RETARDER										8.0		gal						
IRON CONTROL										8.0		gal						
BIOCIDE				MC B-8614						74.0		GAL						
BREAKING AGENT				POLYBREAK 52						110.0		lb						
CLAY CONTROL				CLA-WEB II						48.0		GAL						
FRICTION REDUCER				HIFLOW 5						213.0		gal						
SURFACTANT				FDP-S1226-15						183.0		GAL						

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Stimulation Details							
STAGE 20 - SAND on 10/12/2017							
Start Date 10/12/2017	Type SAND	Zone	Wellbore ORIGINAL HOLE	Stim/Treat Company HALLIBURTON ENERGY SERVICES		Comment Stage #20. Pumped 100% of Proppant. Max Prop Con - 3.90 ppg. Stage pumped per design.	
Top Depth (ftKB) 13,468.0	Bottom Depth (ftKB) 13,652.0	Proppant Designed (lb) 366,155	Propanant Placed (lb) 370,170	Volume Clean Total (bbl) 4,439.60		Volume Slurry Total (bbl) 4,840.60	
P Pre SI (psi) 2,087.0	ISIP (psi) 3,542.0	5 min SI (psi) 3186	Breakdown Pressure (psi)	Breakdown Rate (bbl/min)	Treat Pressure Max (psi) 6,571.0	Treat Pressure Avg (psi) 5,753.0	Frac Gradient (psi/ft) 0.92
Slurry Rate Min (bbl/min) 67		Slurry Rate Avg (bbl/min) 86		Slurry Rate Max (bbl/min) 88		Pump Power Avg (hp) 14,352.0	
Type	Des	Sand Size	Design Amount (lb)	Amount (lb)		Note	
SAND		100 MESH				100 MESH BROWN	
SAND	100 MESH WHITE	100 MESH		308,719.0			
SAND	40/70 WHITE	40/70		61,429.0			
Add Type	Add Subtype	Add	Purpose	Design Amount	Amount	Units	Com
ACID		HCL 15%			2,000.0	gal	
ACID INHIBITOR/RETARDER					8.0	gal	
IRON CONTROL					8.0	gal	
BIOCIDE		MC B-8614			72.0	GAL	
BREAKING AGENT		POLYBREAK 52			109.0	lb	
CLAY CONTROL		CLA-WEB II			48.0	GAL	
FRICTION REDUCER		HIFLOW 5			206.0	gal	
SURFACTANT		FDP-S1226-15			186.0	GAL	