

# SABLE PERMIAN RESOURCES, LLC

## Daily Completion Partner Report

Report Date 10/5/2017

**AFE #** 1550416

<b>Total AFE</b>	<b>4,551,178</b>
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**UNIVERSITY 11 RE 936HS**  
**WELL NO. 154**

API 42383398350000		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 1550416			Supplemental AFE Number			Daily Field Est (Cost) 166,224		Cum Field Est (Cost) 310,615			
Number of Stages (ft) 47			Lateral Length (ft) 9,943			Time Since LTI (days)		Time Since Reportable Incident (days)			
Daily Contacts											
Contacts COMP ENG, CORLEY WALTERS, ; COMP SUPT, BEN MCCORMICK, ; CSV, JERRY GOSA, ; COMP SUPT, DALE BLOCKER, ; CSV, MICAH FALGOUT, ; CSV, JUSTIN SMITH,											
Daily Operations											
Operations Summary 0 EHS; 9.75 hrs NPT; Frac stages 1-2 of 47. Plug & Perforate stages 2 of 47. RIH to plug and perf stage 3 at time of report.											
Planned Operations Frac Ops											
Time Log											
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Activity	Inactive?	Comments			Unschd Type	NPT	
06:00	08:15	2.25	2.25	DOWNTIME	No	Found leak on wellhead flange between goathead and crown valve on univ 11 #931HS and (2) hyd stem packing leaking on 932 HA. Waiting for torque and packing to arrive				Yes	
08:15	11:15	3.00	5.25	DOWNTIME	No	Retorque flange and replace stem packing. Retested. 5-1/8" flange below crown valve leaking. nd crown valve. replace ring gasket. Re-test iron to 9,500 psi. Good test.				Yes	
11:15	12:15	1.00	6.25	FRAC. JOB	No	SimOps. Waiting on offset Well operations				No	
12:15	13:45	1.50	7.75	DOWNTIME	No	Downtime waiting on HES to change out check valves, Transducers and re-test iron.				Yes	
13:45	15:30	1.75	9.50	FRAC. JOB	No	Frac Stage #1				No	
15:30	16:00	0.50	10.00	GENERAL OPERATIONS	No	Swap from Frac to WL				No	
16:00	18:00	2.00	12.00	PERFORATING	No	Plug & Perf Stage #2				No	
18:00	21:15	3.25	15.25	STANDBY	No	Standby of SIM ops, Fracing adjacent wells.				No	
21:15	00:15	3.00	18.25	DOWNTIME	No	Waiting on Hal to repair/replace 3 pumps.				Yes	
00:15	02:00	1.75	20.00	STANDBY	No	Standby of SIM ops, Fracing adjacent wells.				No	
02:00	02:30	0.50	20.50	GENERAL OPERATIONS	No	Swop wl to frac on adjacent wells.				No	
02:30	04:30	2.00	22.50	FRAC. JOB	No	Frac stage 2				No	
04:30	05:30	1.00	23.50	GENERAL OPERATIONS	No	Rehead and swop frac to wl and grease zipper.				No	
05:30	06:00	0.50	24.00	STANDBY	No	RIH to plug and perf stage 3				No	
NPT											
Type		Subtype	Des		Start Date	End Date	Failed Item	Accountable Party	Dur (Net) (hr)		
SURFACE EQUIPMENT		WELLHEAD	Wait on Torque Wrenches		10/4/2017 06:00	10/4/2017 08:15		COMPLETION EQUIPMENT RENTAL INC	2.25		
SURFACE EQUIPMENT		WELLHEAD	Re-torque flange, re-test. another flange leaking. nd crown, Replace ring gasket and re-test.		10/4/2017 08:15	10/4/2017 11:15		COMPLETION EQUIPMENT RENTAL INC	3.00		
SURFACE EQUIPMENT		FRAC	Waiting on HES to change out Check valves and Transducers		10/4/2017 12:15	10/4/2017 13:30		HALLIBURTON	1.25		
SURFACE EQUIPMENT		FRAC	Three frac pumps on line needed repairs		10/4/2017 21:15	10/5/2017 00:15		HALLIBURTON	3.00		
Safety Checks											
Time		Type			Inspected By			Description			
06:00		SAFETY MEETING			Bull Smith/Slade Sears			Good communication, House Keeping, PPE			
18:00		SAFETY MEETING			Micah/ Jerry			Good communication, House Keeping, PPE			
Plug Details											
Des			Top (ftKB)	Btm (ftKB)	OD (in)	ID (in)	Run Date	Pull Date	Com		
FRAC PLUG			17,259.0	17,261.0	4.37		10/4/2017		FRAC PLUG #1		
Perforation Intervals											
Time	Linked Zone			Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Gun Size (in)	Com			
07:15				17,063.0	17,244.0	5.0	3 1/8	Stage 2			
Stimulations Summary											
Type SAND FRAC			Stim/Treat Company HALLIBURTON ENERGY SERVICES			Start Date 10/4/2017		End Date	Volume Clean Total (bbl) 10,162.30	Proppant Total (lb) 703,811.0	
Stimulation Details											
STAGE 1 - SAND on 10/4/2017											
Start Date 10/4/2017		Type SAND	Zone	Wellbore SIDETRACK 1	Stim/Treat Company HALLIBURTON ENERGY SERVICES			Comment Stage #1. Pumped 90% of Proppant. Max Prop Con - 3.6 ppg. Blender densometer gave fake reading whole on 3.5 ppg 40/70. Cut prop and staged flush of prop counter based off densometer.			
Top Depth (ftKB) 17,280.0		Bottom Depth (ftKB) 17,402.0	Proppant Designed (lb) 366,155	Propanpt Placed (lb) 333,943	Volume Clean Total (bbl) 4,973.80			Volume Slurry Total (bbl) 5,335.90			
P Pre SI (psi) 820.0	ISIP (psi) 2,595.0	5 min SI (psi) 2290	Breakdown Pressure (psi)	Breakdown Rate (bbl/min)	Treat Pressure Max (psi) 7,734.0	Treat Pressure Avg (psi) 6,555.0	Frac Gradient (psi/ft) 0.79				
Slurry Rate Min (bbl/min) 61			Slurry Rate Avg (bbl/min) 88		Slurry Rate Max (bbl/min) 90			Pump Power Avg (hp) 14,138.0			
Type		Des	Sand Size	Design Amount (lb)	Amount (lb)			Note			
SAND		100 MESH WHITE	100 MESH	309,875.0	307,123.0						
SAND		40/70 WHITE	40/70	56,280.0	26,820.0						
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			87.0	GAL				
BREAKING AGENT			POLYBREAK 52			184.0	lb				
CLAY CONTROL			CLA-WEB II			53.0	GAL				
FRICTION REDUCER			HIFLOW 5			240.0	gal				
SURFACTANT			FDP-S1226-15			208.0	GAL				
STAGE 2 - Sand on 10/5/2017											
Start Date 10/5/2017		Type Sand	Zone	Wellbore SIDETRACK 1	Stim/Treat Company HALLIBURTON ENERGY SERVICES			Comment Stage #2. Pumped 100% of Proppant. Max Prop Con - 3.8 ppg. Blender densometer gave fake reading whole on 3.5 ppg, Pumped stage to design.			
Top Depth (ftKB) 17,063.0		Bottom Depth (ftKB) 17,245.0	Proppant Designed (lb) 366,155	Propanpt Placed (lb) 369,868	Volume Clean Total (bbl) 5,188.50			Volume Slurry Total (bbl) 5,589.50			
P Pre SI (psi) 1,601.0	ISIP (psi) 2,735.0	5 min SI (psi) 2315	Breakdown Pressure (psi)	Breakdown Rate (bbl/min)	Treat Pressure Max (psi) 7,043.0	Treat Pressure Avg (psi) 6,262.0	Frac Gradient (psi/ft) 0.89				
Slurry Rate Min (bbl/min) 80			Slurry Rate Avg (bbl/min) 88		Slurry Rate Max (bbl/min) 89			Pump Power Avg (hp) 13,506.0			
Type		Des	Sand Size	Design Amount (lb)	Amount (lb)			Note			
SAND		100 MESH WHITE	100 MESH	309,875.0	310,928.0						
SAND		40/70 WHITE	40/70	56,280.0	58,940.0						
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			86.0	GAL				
BREAKING AGENT			POLYBREAK 52			84.0	lb				
CLAY CONTROL			CLA-WEB II			54.0	GAL				

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Daily Completion Partner Report

Report Date 10/5/2017  
AFE # 1550416  
Total AFE 4,551,178

UNIVERSITY 11 RE 936HS  
WELL NO. 154

Add Type	Add Subtype	Add	Purpose	Design Amount	Amount	Units	Com
FRICTION REDUCER		HIFLOW 5			247.0	gal	
SURFACTANT		FDP-S1226-15			216.0	GAL	