

SABLE PERMIAN RESOURCES, LLC
Daily Completion Partner Report

Report Date 10/11/2017
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) 119,842		Cum Field Est (Cost) 1,475,988	
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; 4.25 hrs NPT; Frac stages 16 - 17 of 46. Plug & Perf stages 16 - 18 of 46.								
Planned Operations Frac Ops								
Time Log								
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Activity	Inactive?	Comments		Unschd Type
06:00	06:45	0.75	0.75	PERFORATING	No	Finish Plug/Perf Stg. # 16		No
06:45	09:15	2.50	3.25	STANDBY	No	SimOps. Waiting on adjacent well ops.		No
09:15	10:30	1.25	4.50	GENERAL OPERATIONS	No	Swap to Frac. Replace packing on 3-1/8" 10K Manual Valve on Flow Cross		No
10:30	12:00	1.50	6.00	FRAC. JOB	No	Frac Stage #16		No
12:00	12:15	0.25	6.25	GENERAL OPERATIONS	No	Swap from Frac to WL		No
12:15	13:45	1.50	7.75	PERFORATING	No	Plug/Perf Stg. # 17		No
13:45	14:00	0.25	8.00	GENERAL OPERATIONS	No	Grease Frac Stack & Zipper Manifold		No
14:00	18:00	4.00	12.00	DOWNTIME	No	Replacing Blender due to cracked suction manifold seal prior to 936 frac.		Yes
18:00	22:30	4.50	16.50	GENERAL OPERATIONS	No	SimOps. Waiting on adjacent well ops.		No
22:30	00:45	2.25	18.75	DOWNTIME	No	HAL working on pumps		Yes
00:45	02:00	1.25	20.00	FRAC. JOB	No	Frac Stage #17		No
02:00	03:45	1.75	21.75	PERFORATING	No	Plug/Perf Stg. # 18		No
03:45	06:00	2.25	24.00	GENERAL OPERATIONS	No	SimOps. Waiting on adjacent well ops.		No
NPT								
Type		Subtype	Des		Start Date	End Date	Failed Item	Accountable Party
SURFACE EQUIPMENT		FRAC	Change out blender due to cracked Blender suction Manifold		10/10/2017 14:00	10/10/2017 16:00		HALLIBURTON
SURFACE EQUIPMENT		FRAC	HAL working on frac pumps		10/10/2017 22:30	10/11/2017 00:45		HALLIBURTON
Safety Checks								
Time		Type			Inspected By		Description	
06:00		SAFETY MEETING			Bull Smith/Slade Sears		PJSM Good handovers and walking valves	
18:00		SAFETY MEETING			Phillip Rossi/ 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		14,305.0	14,307.0	4.37		10/10/2017		Frac Plug #16
FRAC PLUG		14,092.0	14,094.0	4.37		10/11/2017		Frac Plug #17
Perforation Intervals								
Time	Linked Zone		Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)		Gun Size (in)	Com
22:58			13,894.0	14,078.0	5.0		3 1/2	Stg 18
12:15			14,107.0	14,291.0	5.0		3 1/2	Stg 17
06:00			14,320.0	14,504.0	5.0		3 1/2	Stg 16
Stimulations Summary								
Type SAND FRAC		Stim/Treat Company HALLIBURTON ENERGY SERVICES			Start Date 10/4/2017	End Date	Volume Clean Total (bbl) 79,487.20	Proppant Total (lb) 6,265,936.0
Stimulation Details								
STAGE 16 - SAND on 10/10/2017								
Start Date 10/10/2017	Type SAND	Zone	Wellbore ORIGINAL HOLE	Stim/Treat Company HALLIBURTON ENERGY SERVICES			Comment Stage #16. Pumped 100% of Proppant. Max Prop Con - 3.7 ppg. Stage pumped per design. Extended Flush due to Suction Pump issues towards end of Flush.	
Top Depth (ftKB) 14,320.0	Bottom Depth (ftKB) 14,504.0	Proppant Designed (lb) 366,155	Propan t Placed (lb) 366,122	Volume Clean Total (bbl) 4,733.00			Volume Slurry Total (bbl) 5,130.50	
P Pre SI (psi) 2,028.0	ISIP (psi) 3,032.0	5 min SI (psi) 2666	Breakdown Pressure (psi)	Breakdown Rate (bbl/min)	Treat Pressure Max (psi) 8,221.0	Treat Pressure Avg (psi) 6,104.0		Frac Gradient (psi/ft) 0.85
Slurry Rate Min (bbl/min) 77		Slurry Rate Avg (bbl/min) 90			Slurry Rate Max (bbl/min) 90		Pump Power Avg (hp) 13,420.0	
Type	Des	Sand Size	Design Amount (lb)	Amount (lb)			Note	
SAND	40/70 WHITE	40/70		60,800.0				
SAND	40/70 BROWN	40/70	64,696.0					
SAND		100 MESH	309,875.0				100 MESH BROWN	
SAND	100 MESH WHITE	100 MESH		305,322.0				
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			80.0	GAL		
BREAKING AGENT		POLYBREAK 52			91.0	lb		
CLAY CONTROL		CLA-WEB II			48.0	GAL		
FRICTION REDUCER		HIFLOW 5			233.0	gal		
SURFACTANT		FDP-S1226-15			195.0	GAL		
STAGE 17 - SAND on 10/11/2017								
Start Date 10/11/2017	Type SAND	Zone	Wellbore ORIGINAL HOLE	Stim/Treat Company HALLIBURTON ENERGY SERVICES			Comment Stage #17. Pumped 100% of Proppant. Max Prop Con - 4.0 ppg. Stage pumped per design.	
Top Depth (ftKB) 14,107.0	Bottom Depth (ftKB) 14,291.0	Proppant Designed (lb) 366,155	Propan t Placed (lb) 366,122	Volume Clean Total (bbl) 4,464.60			Volume Slurry Total (bbl) 4,723.60	
P Pre SI (psi) 1,843.0	ISIP (psi) 3,196.0	5 min SI (psi) 2751	Breakdown Pressure (psi)	Breakdown Rate (bbl/min)	Treat Pressure Max (psi) 6,797.0	Treat Pressure Avg (psi) 5,819.0		Frac Gradient (psi/ft) 0.87
Slurry Rate Min (bbl/min) 69		Slurry Rate Avg (bbl/min) 87			Slurry Rate Max (bbl/min) 90		Pump Power Avg (hp) 13,420.0	
Type	Des	Sand Size	Design Amount (lb)	Amount (lb)			Note	
SAND	40/70 BROWN	40/70	64,696.0					
SAND	40/70 WHITE	40/70		55,802.0				
SAND	100 MESH WHITE	100 MESH						
SAND		100 MESH	309,875.0	312,756.0			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			105.0	GAL		
BREAKING AGENT		POLYBREAK 52			109.0	lb		
CLAY CONTROL		CLA-WEB II			47.0	GAL		

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Add Type	Add Subtype	Add	Purpose	Design Amount	Amount	Units	Com
FRICTION REDUCER		HIFLOW 5			211.0	gal	
SURFACTANT		FDP-S1226-15			186.0	GAL	