

Report Date	10/21/2017
AFE #	1550466
Total AFE	4,547,178

P/I 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) 247,277		Cum Field Est (Cost) 3,149,214		
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, ; CSV, MICAH FALGOUT, ; CSV, PHILLIP ROSSI, ; CSV, CHRIS COBB, ; CSV, TIM MILAM, ; COMP ENG, LUCAS MOSS,										
Daily Operations										
Operations Summary 0 EHS; 0 hrs ; P/P Stage 32 - 35 of 47, Frac Stage 32 - 34 of 47. Standby for SIM ops on adjacent wells 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	06:15	0.25	0.25	PERFORATING	No	Finish P/P Stage 32				No
06:15	09:15	3.00	3.25	STANDBY	No	Standby for SIM ops, Frac on WL ops on adjacent well				No
09:15	09:45	0.50	3.75	GENERAL OPERATIONS	No	Swap to Frac				No
09:45	11:00	1.25	5.00	FRAC. JOB	No	Frac Stage 32				No
11:00	11:15	0.25	5.25	GENERAL OPERATIONS	No	Swap to WL				No
11:15	13:15	2.00	7.25	PERFORATING	No	P/P stage 33				No
13:15	17:15	4.00	11.25	STANDBY	No	Standby for SIM ops, Frac on WL ops on adjacent well				No
17:15	18:15	1.00	12.25	GENERAL OPERATIONS	No	Grease zipper manifold				No
18:15	19:30	1.25	13.50	FRAC. JOB	No	Frac Stage 33				No
19:30	20:00	0.50	14.00	GENERAL OPERATIONS	No	Swap to WL				No
20:00	21:00	1.00	15.00	PERFORATING	No	P/P stage 34				No
21:00	23:30	2.50	17.50	STANDBY	No	Standby for SIM ops, Frac on WL ops on adjacent well				No
23:30	01:15	1.75	19.25	GENERAL OPERATIONS	No	Offload FR, Perform pump maintenance				No
01:15	02:15	1.00	20.25	FRAC. JOB	No	Frac Stage 34				No
02:15	02:30	0.25	20.50	GENERAL OPERATIONS	No	Swap to WL				No
02:30	03:45	1.25	21.75	PERFORATING	No	P/P Stage 35				No
03:45	06:00	2.25	24.00	STANDBY	No	Standby for SIM ops, Frac ops on adjacent well				No
Safety Checks										
Time		Type			Inspected By			Description		
06:00		SAFETY MEETING			Crew			Discuss & review JSA's for WL & Frac Ops, Overhead loads, Trapped pressure.		
18:00		SAFETY MEETING			Crew			Trip Hazards and Speed Limit on lease housekeeping		
Plug Details										
Des		Top (ftKB)	Btm (ftKB)	OD (in)	ID (in)	Run Date	Pull Date	Com		
FRAC PLUG		10,897.0	10,899.0	4.37		10/20/2017		Frac Plug #32		
FRAC PLUG		10,684.0	10,686.0	4.37		10/20/2017		Frac Plug #33		
FRAC PLUG		10,466.0	10,468.0	4.37		10/21/2017		Frac Plug #34		
Perforation Intervals										
Time	Linked Zone		Top (ftKB)		Btm (ftKB)		Shot Dens (shots/ft)		Gun Size (in)	Com
03:18			10,273.0		10,453.0		5.0		3 1/2	Stg 35
20:41			10,486.0		10,669.0		5.0		3 1/2	Stg 34
12:15			10,699.0		10,883.0		5.0		3 1/2	Stg 33
Stimulations Summary										
Type SAND FRAC		Stim/Treat Company HALLIBURTON ENERGY SERVICES			Start Date 10/4/2017		End Date		Volume Clean Total (bbl) 155,388.10	Proppant Total (lb) 12,410,069.0
Stimulation Details										
STAGE 32 - SAND on 10/20/2017										
Start Date 10/20/2017		Type SAND	Zone	Wellbore ORIGINAL HOLE	Stim/Treat Company HALLIBURTON ENERGY SERVICES			Comment Stage #32. Pumped 100% of Proppant. Max Prop Con - 3.8 ppg. Pumper per design		
Top Depth (ftKB) 10,912.0		Bottom Depth (ftKB) 11,096.0		Proppant Designed (lb) 366,155	Propanpt Placed (lb) 366,727		Volume Clean Total (bbl) 4,461.10		Volume Slurry Total (bbl) 4,879.16	
P Pre SI (psi) 1,881.0		ISIP (psi) 3,438.0		5 min SI (psi) 2875	Breakdown Pressure (psi)		Breakdown Rate (bbl/min) 4,322.0	Treat Pressure Max (psi) 7,322.0	Treat Pressure Avg (psi) 5,317.0	Frac Gradient (psi/ft) 0.91
Slurry Rate Min (bbl/min) 89			Slurry Rate Avg (bbl/min) 90			Slurry Rate Max (bbl/min) 90			Pump Power Avg (hp) 11,707.0	
Type	Des	Sand Size		Design Amount (lb)	Amount (lb)			Note		
SAND	100 MESH WHITE	100 MESH			57,393.0					
SAND		100 MESH			241,274.0			100 MESH BROWN		
SAND	40/70 WHITE	40/70			57,393.0					
Add Type	Add Subtype	Add		Purpose	Design Amount	Amount	Units	Com		
ACID INHIBITOR/RETARDER	HAI-OS				4.0	4.0				
SURFACTANT	FDP-S1226-15				2.0	2.0				
BIOCIDE		MC B-8614				75.0	gal	</		

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STAGE 34 - SAND on 10/21/2017							
Start Date 10/21/2017	Type SAND	Zone	Wellbore ORIGINAL HOLE	Stim/Treat Company HALLIBURTON ENERGY SERVICES		Comment Stage #34. Pumped 100% of Proppant. Max Prop Con - 3.8 ppg. Pumper per design	
Top Depth (ftKB) 10,486.0	Bottom Depth (ftKB) 10,670.0	Proppant Designed (lb) 366,155	Propan ^t Placed (lb) 367,793	Volume Clean Total (bbl) 4,228.30		Volume Slurry Total (bbl) 4,628.30	
P Pre SI (psi) 1,861.0	ISIP (psi) 3,406.0	5 min SI (psi) 2626	Breakdown Pressure (psi)	Breakdown Rate (bbl/min)	Treat Pressure Max (psi) 7,720.0	Treat Pressure Avg (psi) 5,410.0	Frac Gradient (psi/ft) 0.90
Slurry Rate Min (bbl/min) 82		Slurry Rate Avg (bbl/min) 89		Slurry Rate Max (bbl/min) 92		Pump Power Avg (hp) 11,802.0	
Type	Des	Sand Size	Design Amount (lb)	Amount (lb)		Note	
SAND		100 MESH		137,490.0		100 MESH BROWN	
SAND	40/70 WHITE	40/70		58,916.0			
SAND	100 MESH WHITE	100 MESH		171,387.0			
Add Type	Add Subtype	Add	Purpose	Design Amount	Amount	Units	Com
ACID INHIBITOR/RETARDER	HAI-OS			4.0	4.0		
SURFACTANT	FDP-S1226-15			2.0	2.0		
BIOCIDE		MC B-8614			69.0	gal	
BREAKING AGENT		POLYBREAK 52			154.0	gal	
CLAY CONTROL		CLA-WEB II			42.0	gal	
FRIC ^{TION} REDUCER		HIFLOW 5			228.0	gal	
SURFACTANT		FDP-S1226-15			180.0	gal	
Tubing Run							
Run Date 10/16/2017	Tubing Description TUBING - COILED		Set Depth (ftKB)	Max Nominal OD (in) 2 3/8	Weight/Length (lb/ft)		String Grade