

UNIVERSITY 09 0806H

AEPB WELL NO. 32

API 42383392020000	State TEXAS	County REAGAN	Well Config HORIZONTAL	Ground Elevation (ft) 2,671.00	RKB (ft) 30.00	Well Status COMPLETION	Well Sub-Status COMPLETING	Completion Date		
Job Information										
Job Category COMPLETION		Primary Job Type COMPLETION - ORIGINAL		Secondary Job Type		Start Date 1/30/2015		End Date		
AFE Number DV02085		Supplemental AFE Number		Daily Field Est (Cost) 1,700		Cum Field Est (Cost) 373,879				
Number of Stages (ft) 43		Lateral Length (ft) 7,138		Time Since LTI (days)		Time Since Reportable Incident (days)				
Daily Contacts										
Contacts COMP SUPER, MIKE WHITE, CRSCNT; COMP SUPVR, CORY PORTER, CRSCNT; COMP SUP, CLAYTON BRUNTZ, LOOP; COMP SUP, JUSTIN STRINGER, LOOP; WO SUP, ROQUE DE LA TORRE, CRSCNT										
Daily Operations										
Operations Summary WELL SHUT-IN AND SECURE, WAITING ON FRAC										
Planned Operations WELL SHUT-IN AND SECURE, WAITING ON FRAC										
Time Log										
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Activity	Inactive?	Comments		Unschd Typ	NPT	
05:00	05:00	24.00	24.00	LOCK WELLHEAD & SECURE	No	WSI READY TO FRAC STG 1				
Safety Checks										
Time		Type			Inspected By		Description			
05:00		SAFETY MEETING			MIKE WHITE/CORY PORTER		PRE JOB SAFETY MEETING			
17:00		SAFETY MEETING			JUSTIN STRINGER/ CLAYTON BRUNTZ		PRE JOB SAFETY MEETING			
Perforation Intervals										
Time	Zone		Top (ftKB)		Btm (ftKB)		Shot Dens (shots/ft)		Gun Size (in)	Com

UNIVERSITY 09 0806H

AEPB WELL NO. 32

API 42383392020000	State TEXAS	County REAGAN	Well Config HORIZONTAL	Ground Elevation (ft) 2,671.00	RKB (ft) 30.00	Well Status COMPLETION	Well Sub-Status COMPLETING	Completion Date
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Job Information

Job Category COMPLETION	Primary Job Type COMPLETION - ORIGINAL	Secondary Job Type	Start Date 1/30/2015	End Date
AFE Number DV02085	Supplemental AFE Number	Daily Field Est (Cost) 1,700	Cum Field Est (Cost) 400,438	
Number of Stages (ft) 43	Lateral Length (ft) 7,138	Time Since LTI (days)	Time Since Reportable Incident (days)	

Daily Contacts

Contacts COMP SUPER, MIKE WHITE, CRSCNT; COMP SUPVR, CORY PORTER, CRSCNT; COMP SUP, CLAYTON BRUNTZ, LOOP; COMP SUP, JUSTIN STRINGER, LOOP; COMP SUPER, JIMMY MOORE, LOOP; COMP SUPVR, SHAWN WITHERINGTON, CRSCNT; COMP SUP, TIM DENNING, CRSCNT; COMP SUP, RANDY HAGEN,
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Daily Operations

Operations Summary WELL SHUT-IN AND SECURE, WAITING ON FRAC
Planned Operations W/O FRAC

Time Log

Start Time	End Time	Dur (hr)	Cum Dur (hr)	Activity	Inactive?	Comments	Unschd Typ	NPT
05:00	05:00	24.00	24.00	LOCK WELLHEAD & SECURE	No	WSI READY TO FRAC STG 1		

Safety Checks

Time	Type	Inspected By	Description

Perforation Intervals

Time	Zone	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Gun Size (in)	Com

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AMERICAN ENERGY
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AMERICAN ENERGY - PERMIAN BASIN, LLC
Daily Completion Report

UNIVERSITY 09 0806H
AEPB WELL NO. 32

Report Date 2/26/2015
AFE # DV02085
Total AFE 4,497,200

API 42383392020000	State TEXAS	County REAGAN	Well Config HORIZONTAL	Ground Elevation (ft) 2,671.00	RKB (ft) 30.00	Well Status COMPLETION	Well Sub-Status COMPLETING	Completion Date
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Job Information

Job Category COMPLETION	Primary Job Type COMPLETION - ORIGINAL	Secondary Job Type	Start Date 1/30/2015	End Date
AFE Number DV02085	Supplemental AFE Number	Daily Field Est (Cost) 1,700	Cum Field Est (Cost) 402,138	
Number of Stages (ft) 43	Lateral Length (ft) 7,138	Time Since LTI (days)	Time Since Reportable Incident (days)	

Daily Contacts

Contacts COMP SUPER, MIKE WHITE, CRSCNT; COMP SUPVR, CORY PORTER, CRSCNT; COMP SUP, CLAYTON BRUNTZ, LOOP; COMP SUP, JUSTIN STRINGER, LOOP; COMP SUPER, JIMMY MOORE, LOOP; COMP SUPVR, SHAWN WITHERINGTON, CRSCNT; COMP SUP, TIM DENNING, CRSCNT; COMP SUP, RANDY HAGEN,
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Daily Operations

Operations Summary WELL SHUT-IN AND SECURE, WAITING ON FRAC
Planned Operations W/O FRAC

Time Log

Start Time	End Time	Dur (hr)	Cum Dur (hr)	Activity	Inactive?	Comments	Unschd Typ	NPT
05:00	05:00	24.00	24.00	LOCK WELLHEAD & SECURE	Yes	WELL SI WAITING ON PAD BEFORE D/O		

Safety Checks

Time	Type	Inspected By	Description

Perforation Intervals

Time	Zone	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Gun Size (in)	Com

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AMERICAN ENERGY - PERMIAN BASIN, LLC
Daily Completion Report

UNIVERSITY 09 0806H
AEPB WELL NO. 32

Report Date 2/27/2015
AFE # DV02085
Total AFE 4,497,200

API 42383392020000	State TEXAS	County REAGAN	Well Config HORIZONTAL	Ground Elevation (ft) 2,671.00	RKB (ft) 30.00	Well Status COMPLETION	Well Sub-Status COMPLETING	Completion Date		
Job Information										
Job Category COMPLETION		Primary Job Type COMPLETION - ORIGINAL		Secondary Job Type		Start Date 1/30/2015		End Date		
AFE Number DV02085		Supplemental AFE Number		Daily Field Est (Cost) 1,700		Cum Field Est (Cost) 403,838				
Number of Stages (ft) 43		Lateral Length (ft) 7,138		Time Since LTI (days)		Time Since Reportable Incident (days)				
Daily Contacts										
Contacts COMP SUP, CLAYTON BRUNTZ, LOOP; COMP SUP, JUSTIN STRINGER, LOOP; COMP SUPVR, SHAWN WITHERINGTON, CRSCNT										
Daily Operations										
Operations Summary WELL SHUT-IN AND SECURE, WAITING ON FRAC										
Planned Operations W/O FRAC										
Time Log										
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Activity	Inactive?	Comments		Unschd Typ	NPT	
05:00	05:00	24.00	24.00	LOCK WELLHEAD & SECURE	Yes	WELL SI WAITING ON PAD BEFORE D/O				
Safety Checks										
Time		Type			Inspected By		Description			
Perforation Intervals										
Time	Zone		Top (ftKB)		Btm (ftKB)		Shot Dens (shots/ft)		Gun Size (in)	Com



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AMERICAN ENERGY - PERMIAN BASIN, LLC
Daily Completion Report

UNIVERSITY 09 0806H
AEPB WELL NO. 32

Report Date 2/28/2015
AFE # DV02085
Total AFE 4,497,200

API 42383392020000	State TEXAS	County REAGAN	Well Config HORIZONTAL	Ground Elevation (ft) 2,671.00	RKB (ft) 30.00	Well Status COMPLETION	Well Sub-Status COMPLETING	Completion Date
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Job Information

Job Category COMPLETION	Primary Job Type COMPLETION - ORIGINAL	Secondary Job Type	Start Date 1/30/2015	End Date
AFE Number DV02085	Supplemental AFE Number	Daily Field Est (Cost) 1,700	Cum Field Est (Cost) 406,186	
Number of Stages (ft) 43	Lateral Length (ft) 7,138	Time Since LTI (days)	Time Since Reportable Incident (days)	

Daily Contacts

Contacts COMP SUP, CLAYTON BRUNTZ, LOOP; COMP SUP, JUSTIN STRINGER, LOOP; COMP SUPVR, SHAWN WITHERINGTON, CRSCNT

Daily Operations

Operations Summary WELL SHUT-IN AND SECURE, WAITING ON FRAC
Planned Operations W/O FRAC

Time Log

Start Time	End Time	Dur (hr)	Cum Dur (hr)	Activity	Inactive?	Comments	Unschd Typ	NPT
05:00	05:00	24.00	24.00	LOCK WELLHEAD & SECURE	Yes	WELL SI WAITING ON PAD BEFORE D/O		

Safety Checks

Time	Type	Inspected By	Description

Perforation Intervals

Time	Zone	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Gun Size (in)	Com

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AMERICAN ENERGY - PERMIAN BASIN, LLC
Daily Completion Report

UNIVERSITY 09 0806H
AEPB WELL NO. 32

Report Date 3/1/2015
AFE # DV02085
Total AFE 4,497,200

API 42383392020000	State TEXAS	County REAGAN	Well Config HORIZONTAL	Ground Elevation (ft) 2,671.00	RKB (ft) 30.00	Well Status COMPLETION	Well Sub-Status COMPLETING	Completion Date		
Job Information										
Job Category COMPLETION		Primary Job Type COMPLETION - ORIGINAL		Secondary Job Type		Start Date 1/30/2015		End Date		
AFE Number DV02085		Supplemental AFE Number		Daily Field Est (Cost) 1,700		Cum Field Est (Cost) 407,886				
Number of Stages (ft) 43		Lateral Length (ft) 7,138		Time Since LTI (days)		Time Since Reportable Incident (days)				
Daily Contacts										
Contacts COMP SUP, CLAYTON BRUNTZ, LOOP; COMP SUP, JUSTIN STRINGER, LOOP; COMP SUPVR, SHAWN WITHERINGTON, CRSCNT										
Daily Operations										
Operations Summary WELL SHUT-IN AND SECURE, WAITING ON FRAC										
Planned Operations W/O FRAC										
Time Log										
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Activity	Inactive?	Comments		Unschd Typ	NPT	
05:00	05:00	24.00	24.00	LOCK WELLHEAD & SECURE	Yes	WELL SI WAITING ON PAD BEFORE D/O				
Safety Checks										
Time		Type			Inspected By		Description			
Perforation Intervals										
Time	Zone		Top (ftKB)		Btm (ftKB)		Shot Dens (shots/ft)		Gun Size (in)	Com



AMERICAN ENERGY
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AMERICAN ENERGY - PERMIAN BASIN, LLC
Daily Completion Report

UNIVERSITY 09 0806H
AEPB WELL NO. 32

Report Date 3/2/2015
AFE # DV02085
Total AFE 4,497,200

API 42383392020000	State TEXAS	County REAGAN	Well Config HORIZONTAL	Ground Elevation (ft) 2,671.00	RKB (ft) 30.00	Well Status COMPLETION	Well Sub-Status COMPLETING	Completion Date	
Job Information									
Job Category COMPLETION		Primary Job Type COMPLETION - ORIGINAL		Secondary Job Type		Start Date 1/30/2015		End Date	
AFE Number DV02085		Supplemental AFE Number		Daily Field Est (Cost) 1,700		Cum Field Est (Cost) 409,586			
Number of Stages (ft) 43		Lateral Length (ft) 7,138		Time Since LTI (days)		Time Since Reportable Incident (days)			
Daily Contacts									
Contacts COMP SUP, CLAYTON BRUNTZ, LOOP; COMP SUP, JUSTIN STRINGER, LOOP; COMP SUPVR, SHAWN WITHERINGTON, CRSCNT									
Daily Operations									
Operations Summary WELL SHUT-IN AND SECURE, WAITING ON FRAC									
Planned Operations W/O FRAC									
Time Log									
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Activity	Inactive?	Comments	Unschd Typ	NPT	
05:00	05:00	24.00	24.00	LOCK WELLHEAD & SECURE	Yes	WELL SI WAITING TO FRAC			
Safety Checks									
Time		Type		Inspected By		Description			
Perforation Intervals									
Time	Zone		Top (ftKB)		Btm (ftKB)		Shot Dens (shots/ft)	Gun Size (in)	Com



AMERICAN ENERGY
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AMERICAN ENERGY - PERMIAN BASIN, LLC
Daily Completion Report

UNIVERSITY 09 0806H
AEPB WELL NO. 32

Report Date 3/3/2015
AFE # DV02085
Total AFE 4,497,200

API 42383392020000	State TEXAS	County REAGAN	Well Config HORIZONTAL	Ground Elevation (ft) 2,671.00	RKB (ft) 30.00	Well Status COMPLETION	Well Sub-Status COMPLETING	Completion Date				
Job Information												
Job Category COMPLETION		Primary Job Type COMPLETION - ORIGINAL		Secondary Job Type		Start Date 1/30/2015		End Date				
AFE Number DV02085		Supplemental AFE Number		Daily Field Est (Cost) 1,700		Cum Field Est (Cost) 411,286						
Number of Stages (ft) 43		Lateral Length (ft) 7,138		Time Since LTI (days)		Time Since Reportable Incident (days)						
Daily Contacts												
Contacts COMP SUP, CLAYTON BRUNTZ, LOOP; COMP SUP, JUSTIN STRINGER, LOOP; COMP SUPVR, SHAWN WITHERINGTON, CRSCNT												
Daily Operations												
Operations Summary WELL SHUT-IN AND SECURE, WAITING ON FRAC												
Planned Operations W/O FRAC												
Time Log												
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Activity	Inactive?	Comments	Unschd Typ	NPT				
05:00	05:00	24.00	24.00	LOCK WELLHEAD & SECURE	Yes	WELL SI WAITING TO FRAC						
Safety Checks												
Time		Type		Inspected By		Description						
Perforation Intervals												
Time	Zone		Top (ftKB)		Btm (ftKB)		Shot Dens (shots/ft)		Gun Size (in)		Com	

7.5 % HCL HYDROCHLORIC ACID 2016 gal; ACID CORROSION INHIBITOR CIA-5 6 gal; ACID IRON CONTROL IR-1 6 gal; ACID SURFACTANT NE-1 2 gal; BIO 15-G 65 gal; FFI 2000 11 gal; PROPPANT 100 MESH 34100 lb; PROPPANT 40/70 WHITE 217480 lb; WFR-5 149 gal

<p>Total Add Amount</p> <p>7.5 % HCL HYDROCHLORIC ACID 2016 gal; ACID CORROSION INHIBITOR CIA-5 6 gal; ACID IRON CONTROL IR-1 6 gal; ACID SURFACTANT NE-1 2 gal; BIO 15-G 61 gal; FFI 2000 11 gal; PROPPANT 100 MESH 34260 lb; PROPPANT 40/70 WHITE 218020 lb; WFR-5 148 gal</p>
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UNIVERSITY 09 0806H
AEPB WELL NO. 32

Report Date	3/5/2015
AFE #	DV02085
Total AFE	4,497,200

Stimulations & Treatments													
STAGE 3 - HYDRAULIC FRAC on 3/4/2015 11:55													
Date 3/4/2015	Type HYDRAULIC FRAC				Zone WOLFCAMP A, ORIGINAL HOLE				Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC		Comment TRACERS FFI-2000 STAGES 1-10		
P Pre SI (psi) 1,341.0	ISIP (psi) 2,409.0	P Post SI (psi) 2,211.0	5 min SI (psi) 2081	10 min SI (psi)	15 min SI (psi)	P Break (psi) 4,059.0	BD Rate (bbl./min) 10	Q Treat Min... 69	Q Treat Max... 76	Q Treat Avg... 75	Avg Treat Pr... 6,182.8	Proppant De... 245,000	Prop Placed... 251,440
Max Treat Pressure (psi) 6,998.0			Avg Treat Pressure (psi) 6,182.8			Max Treat Rate (bbl/min) 76		Avg Treat Rate (bbl/min) 75			V clean+slurry (bbl) 5496.26		
Total Add Amount 7.5 % HCL HYDROCHLORIC ACID 2016 gal; ACID CORROSION INHIBITOR CIA-5 6 gal; ACID IRON CONTROL IR-1 6 gal; ACID SURFACTANT NE-1 2 gal; BIO 15-G 67 gal; FFI 2000 11 gal; PROPPANT 100 MESH 34000 lb; PROPPANT 40/70 WHITE 217440 lb; WFR-5 197 gal													
STAGE 4 - HYDRAULIC FRAC on 3/4/2015 17:41													
Date 3/4/2015	Type HYDRAULIC FRAC				Zone WOLFCAMP A, ORIGINAL HOLE				Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC		Comment TRACERS FFI-2000 STAGES 1-10		
P Pre SI (psi) 1,281.0	ISIP (psi) 2,962.0	P Post SI (psi) 2,593.0	5 min SI (psi) 2150	10 min SI (psi)	15 min SI (psi)	P Break (psi) 4,418.0	BD Rate (bbl./min) 10	Q Treat Min... 75	Q Treat Max... 76	Q Treat Avg... 75	Avg Treat Pr... 6,180.5	Proppant De... 245,000	Prop Placed... 249,660
Max Treat Pressure (psi) 6,625.0			Avg Treat Pressure (psi) 6,180.5			Max Treat Rate (bbl/min) 76		Avg Treat Rate (bbl/min) 75			V clean+slurry (bbl) 5147.26		
Total Add Amount 7.5 % HCL HYDROCHLORIC ACID 2016 gal; ACID CORROSION INHIBITOR CIA-5 6 gal; ACID IRON CONTROL IR-1 6 gal; ACID SURFACTANT NE-1 2 gal; BIO 15-G 67 gal; FFI 2000 11 gal; PROPPANT 100 MESH 34160 lb; PROPPANT 40/70 WHITE 215500 lb; WFR-5 195 gal													
STAGE 5 - HYDRAULIC FRAC on 3/4/2015 22:30													
Date 3/4/2015	Type HYDRAULIC FRAC				Zone WOLFCAMP A, ORIGINAL HOLE				Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC		Comment TRACERS FFI-2000 STAGES 1-10 UNIVERSAL PRESSURE PUMPING SUCCESSFULLY COMPLETED FRAC STAGE 5 OF 41. TETRA WATER TRANSFER PUMP LOST PRIME DURING 100 MESH. FLUSHED WELL TO TOP PERF. TETRA REPRIMED PUMP. FRAC COMPLETED SUCCESSFULLY.		
P Pre SI (psi) 1,550.0	ISIP (psi) 2,887.0	P Post SI (psi) 2,584.0	5 min SI (psi) 2098	10 min SI (psi)	15 min SI (psi)	P Break (psi) 4,291.0	BD Rate (bbl./min) 10	Q Treat Min... 0	Q Treat Max... 76	Q Treat Avg... 66	Avg Treat Pr... 5,946.7	Proppant De... 245,000	Prop Placed... 248,400
Max Treat Pressure (psi) 6,888.0			Avg Treat Pressure (psi) 5,946.7			Max Treat Rate (bbl/min) 76		Avg Treat Rate (bbl/min) 66			V clean+slurry (bbl) 5874.26		
Total Add Amount 7.5 % HCL HYDROCHLORIC ACID 2016 gal; ACID CORROSION INHIBITOR CIA-5 6 gal; ACID IRON CONTROL IR-1 6 gal; ACID SURFACTANT NE-1 2 gal; BIO 15-G 76 gal; FFI 2000 11 gal; PROPPANT 100 MESH 34060 lb; PROPPANT 40/70 WHITE 214340 lb; WFR-5 186 gal													



AMERICAN ENERGY
PARTNERS

AMERICAN ENERGY - PERMIAN BASIN, LLC
Daily Completion Report

UNIVERSITY 09 0806H
AEPB WELL NO. 32

Report Date 3/6/2015
AFE # DV02085
Total AFE 4,497,200

API 42383392020000	State TEXAS	County REAGAN	Well Config HORIZONTAL	Ground Elevation (ft) 2,671.00	RKB (ft) 30.00	Well Status COMPLETION	Well Sub-Status COMPLETING	Completion Date					
Job Information													
Job Category COMPLETION			Primary Job Type COMPLETION - ORIGINAL		Secondary Job Type		Start Date 1/30/2015	End Date					
AFE Number DV02085			Supplemental AFE Number		Daily Field Est (Cost) 200,863		Cum Field Est (Cost) 987,669						
Number of Stages (ft) 43			Lateral Length (ft) 7,138		Time Since LTI (days)		Time Since Reportable Incident (days)						
Daily Contacts													
Contacts COMP SUP, CLAYTON BRUNTZ, LOOP; COMP SUP, JUSTIN STRINGER, LOOP; COMP SUPVR, CORY PORTER, CRSCNT; COMP SUPT, DAVID MAGOUIRK, CRSCNT													
Daily Operations													
Operations Summary UNIVERSAL PRESSURE PUMPING COMPLETED FRAC STAGES 6-8 OF 42, CASEDHOLE SOLUTIONS COMPLETED PLUG AND PERFORATION RUN FOR STAGE 7-9 OF 42													
Planned Operations CONTINUE FRAC OPERATIONS WITH UPP FRAC AND CASEDHOLE PERFORATING , ANTICIPATE STAGES 9-12													
Time Log													
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Activity	Inactive?	Comments	Unschd Typ	NPT					
05:00	09:00	4.00	4.00	DOWNTIME	No	WAITNG ON WEATHER TO BREAK TO ALLOW SAFE ROAD TRAVEL FOR SAND AND CHEMICALS	ENVIRONMENT	Yes					
09:00	10:00	1.00	5.00	GENERAL OPERATIONS	No	WAITING ON SIMOPS							
10:00	12:45	2.75	7.75	DOWNTIME	No	WAITING ON WATER TRANSFER PUMPS	WAITING ON EQUIPMENT	Yes					
12:45	14:15	1.50	9.25	GENERAL OPERATIONS	No	WAITING ON SIMOPS							
14:15	16:00	1.75	11.00	FRAC. JOB	No	UNIVERSAL PRESSURE PUMPING SUCCESSFULLY COMPLETED FRAC STAGE 6 OF 41 FRAC COMPLETED SUCCESFULLY.							
16:00	17:30	1.50	12.50	PERFORATING	No	PLUG AND PERF STAGE 7 OF 41. PUMP DOWN @ 20 BPM WITH MAX PSI OF 4,450 TOTAL OF 301 BBLS PUMPED. PLUG SET WITH A TENSION LOSS OF 75 LBS AT A DEPTH OF 13,810'. POOH. DROP BALL, READY TO FRAC.							
17:30	19:30	2.00	14.50	GENERAL OPERATIONS	No	WAITING ON SIMOPS							
19:30	21:15	1.75	16.25	FRAC. JOB	No	UNIVERSAL PRESSURE PUMPING SUCCESSFULLY COMPLETED FRAC STAGE 7 OF 41 FRAC COMPLETED SUCCESFULLY.							
21:15	22:45	1.50	17.75	PERFORATING	No	PLUG AND PERF STAGE 8 OF 41. PUMP DOWN @ 20 BPM WITH MAX PSI OF 4,000 TOTAL OF 346 BBLS PUMPED. PLUG SET WITH A TENSION LOSS OF 30 LBS AT A DEPTH OF 13,663'. POOH. DROP BALL, READY TO FRAC.							
22:45	00:15	1.50	19.25	GENERAL OPERATIONS	No	GREASE FRAC STACK							
00:15	02:00	1.75	21.00	FRAC. JOB	No	UNIVERSAL PRESSURE PUMPING SUCCESSFULLY COMPLETED FRAC STAGE 8 OF 41 FRAC COMPLETED SUCCESFULLY.							
02:00	03:30	1.50	22.50	PERFORATING	No	PLUG AND PERF STAGE 9 OF 41. PUMP DOWN @ 20 BPM WITH MAX PSI OF 4,700 TOTAL OF 358 BBLS PUMPED. PLUG SET WITH A TENSION LOSS OF 30 LBS AT A DEPTH OF 13,514'. POOH. DROP BALL, READY TO FRAC.							
03:30	05:00	1.50	24.00	GENERAL OPERATIONS	No	WAITING ON SIMOPS							
NPT													
Typ	SubTyp	Des			Start Date	End Date	Failed Item	Accountable Party	Dur (hr)				
OTHER	WEATHER	WAITING ON WEATHER			3/5/2015 05:00	3/5/2015 09:00		UNIVERSAL PRESSURE PUMPING INC	4.00				
SURFACE EQUIPMENT	WATER TRANSFER	WATER TRANSFER LOST PUMP			3/5/2015 10:00	3/5/2015 12:30		TETRA TECHNOLOGIES, INC.	2.50				
Safety Checks													
Time	Type				Inspected By		Description						
05:01	SAFETY MEETING				JUSTIN STRINGER/CLAYTON BRUNTZ		PRE JOB SAFETY MEETING						
17:00	SAFETY MEETING				CORY PORTER / DAVE MAGOUIRK		PRE JOB SAFETY MEETING						
Plug Details													
Des	Top (ftKB)	Btm (ftKB)	OD (in)	ID (in)	Run Date	Pull Date	Com						
FRAC PLUG	13,810.0	13,812.0	4 1/2		3/5/2015		STAGE 7						
FRAC PLUG	13,663.0	13,665.0	4 3/8		3/5/2015		STAGE 8						
FRAC PLUG	13,514.0	13,516.0	4 3/8		3/6/2015		STAGE 9						
Perforation Intervals													
Time	Zone	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Gun Size (in)	Com							
02:53	WOLFCAMP A, ORIGINAL HOLE	13,374.0	13,375.0	6.0	3 1/8	STAGE 9							
02:53	WOLFCAMP A, ORIGINAL HOLE	13,404.0	13,405.2	6.0	3 1/8	STAGE 9							
02:53	WOLFCAMP A, ORIGINAL HOLE	13,434.0	13,435.2	6.0	3 1/8	STAGE 9							
02:53	WOLFCAMP A, ORIGINAL HOLE	13,467.0	13,468.2	6.0	3 1/8	STAGE 9							
02:53	WOLFCAMP A, ORIGINAL HOLE	13,494.0	13,495.3	6.0	3 1/8	STAGE 9							
22:18	WOLFCAMP A, ORIGINAL HOLE	13,526.0	13,527.0	6.0	3 1/8	STAGE 8							
22:18	WOLFCAMP A, ORIGINAL HOLE	13,553.0	13,554.2	6.0	3 1/8	STAGE 8							
22:18	WOLFCAMP A, ORIGINAL HOLE	13,586.0	13,587.2	6.0	3 1/8	STAGE 8							
22:18	WOLFCAMP A, ORIGINAL HOLE	13,616.0	13,617.2	6.0	3 1/8	STAGE 8							
22:18	WOLFCAMP A, ORIGINAL HOLE	13,642.0	13,643.3	6.0	3 1/8	STAGE 8							
16:30	WOLFCAMP A, ORIGINAL HOLE	13,678.0	13,679.0	6.0	3 1/8	STAGE 7							
16:30	WOLFCAMP A, ORIGINAL HOLE	13,708.0	13,709.2	6.0	3 1/8	STAGE 7							
16:30	WOLFCAMP A, ORIGINAL HOLE	13,742.0	13,743.2	6.0	3 1/8	STAGE 7							
16:30	WOLFCAMP A, ORIGINAL HOLE	13,768.0	13,769.2	6.0	3 1/8	STAGE 7							
16:30	WOLFCAMP A, ORIGINAL HOLE	13,796.0	13,797.3	6.0	3 1/8	STAGE 7							
Stimulations & Treatments													
STAGE 6 - HYDRAULIC FRAC on 3/5/2015 14:20													
Date 3/5/2015	Type HYDRAULIC FRAC	Zone WOLFCAMP A, ORIGINAL HOLE			Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC		Comment TRACERS FFI-2000 STAGES 1-10						
P Pre SI (psi) 1,290.0	ISIP (psi) 2,714.0	P Post SI (psi) 2,573.0	5 min SI (psi) 2059	10 min SI (psi)	15 min SI (psi)	P Break (psi) 4,833.0	BD Rate (bbl/min) 15	Q Treat Min... 65	Q Treat Max... 76	Q Treat Avg... 61	Avg Treat Pr... 5,493.8	Proppant De... 245,000	Prop Placed... 249,580
Max Treat Pressure (psi) 6,653.0			Avg Treat Pressure (psi) 5,493.8			Max Treat Rate (bbl/min) 76			Avg Treat Rate (bbl/min) 61			V clean+slurry (bbl) 5868.26	
Total Add Amount 7.5 % HCL HYDROCHLORIC ACID 2016 gal; ACID CORROSION INHIBITOR CIA-5 6 gal; ACID IRON CONTROL IR-1 6 gal; ACID SURFACTANT NE-1 2 gal; BIO 15-G 61 gal; FFI 2000 11 gal; PROPPANT 100 MESH 34000 lb; PROPPANT 40/70 WHITE 215580 lb; WFR-5 184 gal													
STAGE 7 - HYDRAULIC FRAC on 3/5/2015 19:40													
Date 3/5/2015	Type HYDRAULIC FRAC	Zone WOLFCAMP A, ORIGINAL HOLE			Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC		Comment TRACERS FFI-2000 STAGES 1-10						
P Pre SI (psi) 1,390.0	ISIP (psi) 3,035.0	P Post SI (psi) 2,893.0	5 min SI (psi) 2270	10 min SI (psi)	15 min SI (psi)	P Break (psi) 4,633.0	BD Rate (bbl/min) 10	Q Treat Min... 75	Q Treat Max... 76	Q Treat Avg... 75	Avg Treat Pr... 5,729.0	Proppant De... 245,000	Prop Placed... 250,220
Max Treat Pressure (psi) 6,995.0			Avg Treat Pressure (psi) 5,729.0			Max Treat Rate (bbl/min) 76			Avg Treat Rate (bbl/min) 75			V clean+slurry (bbl) 5371.26	
Total Add Amount 7.5 % HCL HYDROCHLORIC ACID 2016 gal; ACID CORROSION INHIBITOR CIA-5 6 gal; ACID IRON CONTROL IR-1 6 gal; ACID SURFACTANT NE-1 2 gal; BIO 15-G 67 gal; FFI 2000 11 gal; PROPPANT 100 MESH 34240 lb; PROPPANT 40/70 WHITE 215980 lb; WFR-5 142 gal													



UNIVERSITY 09 0806H
AEPB WELL NO. 32

Report Date	3/6/2015
AFE #	DV02085
Total AFE	4,497,200

Stimulations & Treatments													
STAGE 8 - HYDRAULIC FRAC on 3/6/2015 00:19													
Date 3/6/2015	Type HYDRAULIC FRAC			Zone WOLFCAMP A, ORIGINAL HOLE			Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC			Comment TRACERS FFI-2000 STAGES 1-10			
P Pre SI (psi) 1,233.0	ISIP (psi) 2,367.0	P Post SI (psi) 2,248.0	5 min SI (psi) 1968	10 min SI (psi)	15 min SI (psi)	P Break (psi) 4,273.0	BD Rate (bbl/min) 10	Q Treat Min... 75	Q Treat Max... 75	Q Treat Avg... 75	Avg Treat Pr... 6,179.0	Proppant De... 245,000	Prop Placed... 248,700
Max Treat Pressure (psi) 6,504.0			Avg Treat Pressure (psi) 6,179.0			Max Treat Rate (bbl/min) 75			Avg Treat Rate (bbl/min) 75			V clean+slurry (bbl) 5420.26	
Total Add Amount 7.5 % HCL HYDROCHLORIC ACID 216 gal; ACID CORROSION INHIBITOR CIA-5 6 gal; ACID IRON CONTROL IR-1 6 gal; ACID SURFACTANT NE-1 2 gal; BIO 15-G 70 gal; FFI 2000 11 gal; PROPPANT 100 MESH 34100 lb; PROPPANT 40/70 WHITE 214600 lb; WFR-5 171 gal													



AMERICAN ENERGY
PARTNERS

AMERICAN ENERGY - PERMIAN BASIN, LLC
Daily Completion Report

UNIVERSITY 09 0806H
AEPB WELL NO. 32

Report Date 3/7/2015
AFE # DV02085
Total AFE 4,497,200

API 42383392020000	State TEXAS	County REAGAN	Well Config HORIZONTAL	Ground Elevation (ft) 2,671.00	RKB (ft) 30.00	Well Status COMPLETION	Well Sub-Status COMPLETING	Completion Date		
Job Information										
Job Category COMPLETION			Primary Job Type COMPLETION - ORIGINAL		Secondary Job Type		Start Date 1/30/2015	End Date		
AFE Number DV02085			Supplemental AFE Number		Daily Field Est (Cost) 287,866		Cum Field Est (Cost) 1,248,003			
Number of Stages (ft) 41			Lateral Length (ft) 7,138		Time Since LTI (days)		Time Since Reportable Incident (days)			
Daily Contacts										
Contacts COMP SUP, CLAYTON BRUNTZ, LOOP; COMP SUP, JUSTIN STRINGER, LOOP; COMP SUPVR, CORY PORTER, CRSCNT; COMP SUPT, DAVID MAGOUIRK, CRSCNT										
Daily Operations										
Operations Summary UNIVERSAL PRESSURE PUMPING COMPLETED FRAC STAGES 9-13 OF 41, CASEDHOLE SOLUTIONS COMPLETED PLUG AND PERFORATION RUN FOR STAGE 10-14 OF 41										
Planned Operations CONTINUE FRAC OPERATIONS WITH UPP FRAC AND CASEDHOLE PERFORATING , ANTICIPATE STAGES 14-18.										
Time Log										
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Activity	Inactive?	Comments	Unschd Typ	NPT		
05:00	07:00	2.00	2.00	FRAC. JOB	No	UNIVERSAL PRESSURE PUMPING SUCCESSFULLY COMPLETED FRAC STAGE 9 OF 41 UPP LOST CHEMICALS DUE TO CHEM ADD COMPUTER CONTROL FAILURE , WHILE ON 2.00 PPG 40/70 CUT SAND AND DROPPED RATE TO AVOID SCREENOUT, RAN 805 BBL SWEEP LINED CHEMICALS BACK OUT RE -ESTABLISHED 70 BPM ,STARTED SAND AGAIN AT .75 PPG , INCREASED TO 1.25 PPG AND SUCCESSFULLY FINISHED STAGE				
07:00	09:00	2.00	4.00	PERFORATING	No	PLUG AND PERF STAGE 10 OF 41. PUMP DOWN @ 20 BPM WITH MAX PSI OF 4,200 TOTAL OF 272 BBLs PUMPED. PLUG SET WITH A TENSION LOSS OF 40 LBS AT A DEPTH OF 13,349'. 5TH GUN DID NOT FIRE. SHOWED SHORT. POOH TO CONFIRM.				
09:00	10:00	1.00	5.00	PERFORATING	No	AT SURFACE, CONFIRMED 5TH GUN HAD NOT FIRED. PORT PLUG WAS MISSING, CAUSING TOOL TO FLOOD AND SHORT. INSTRUCTED TO ARM NEW GUN AND RIH. PUMP DOWN @ 16 BPM DUE TO HIGHER PRESSURE FROM SET PLUG AND ONLY 4 OF 5 SETS OF PERFORATIONS. MAX PSI OF 5,200 TOTAL OF 328 BBLs PUMPED (600 BBLs TOTAL BOTH RUNS). 5TH GUN SHOT. POOH. DROP BALL, READY TO FRAC.	EQUIPMENT FAILURE	Yes		
10:00	11:00	1.00	6.00	DOWNTIME	No	UPP PUTTING NEW FRAC PUMP IN LINE	WAITING ON EQUIPMENT	Yes		
11:00	13:00	2.00	8.00	FRAC. JOB	No	UNIVERSAL PRESSURE PUMPING SUCCESSFULLY COMPLETED FRAC STAGE 10 OF 41				
13:00	14:30	1.50	9.50	PERFORATING	No	PLUG AND PERF STAGE 11 OF 41. PUMP DOWN @ 20 BPM WITH MAX PSI OF 4,400 TOTAL OF 273 BBLs PUMPED. PLUG SET WITH A TENSION LOSS OF 170 LBS AT A DEPTH OF 13,207'. POOH. DROP BALL, READY TO FRAC.				
14:30	15:45	1.25	10.75	GENERAL OPERATIONS	No	GREASE FRAC STACK				
15:45	17:45	2.00	12.75	FRAC. JOB	No	UNIVERSAL PRESSURE PUMPING SUCCESSFULLY COMPLETED FRAC STAGE 11 OF 41				
17:45	19:00	1.25	14.00	PERFORATING	No	PLUG AND PERF STAGE 12 OF 41. PUMP DOWN @ 20 BPM WITH MAX PSI OF 4,500 TOTAL OF 342 BBLs PUMPED. PLUG SET WITH A TENSION LOSS OF 140 LBS AT A DEPTH OF 13,055'. POOH. DROP BALL, READY TO FRAC.				
19:00	20:30	1.50	15.50	INACTIVE	No	WAITING ON SIMOPS				
20:30	22:15	1.75	17.25	FRAC. JOB	No	UNIVERSAL PRESSURE PUMPING SUCCESSFULLY COMPLETED FRAC STAGE 12 OF 41				
22:15	23:45	1.50	18.75	PERFORATING	No	PLUG AND PERF STAGE 13 OF 41. PUMP DOWN @ 20 BPM WITH MAX PSI OF 4,900 TOTAL OF 330 BBLs PUMPED. PLUG SET WITH A TENSION LOSS OF 175 LBS AT A DEPTH OF 12,903'. POOH. DROP BALL, READY TO FRAC.				
23:45	00:45	1.00	19.75	INACTIVE	No	WAITING ON SIMOPS				
00:45	02:30	1.75	21.50	FRAC. JOB	No	UNIVERSAL PRESSURE PUMPING SUCCESSFULLY COMPLETED FRAC STAGE 13 OF 41				
02:30	04:00	1.50	23.00	PERFORATING	No	PLUG AND PERF STAGE 14 OF 41. PUMP DOWN @ 20 BPM WITH MAX PSI OF 4,500 TOTAL OF 316 BBLs PUMPED. PLUG SET WITH A TENSION LOSS OF 150 LBS AT A DEPTH OF 12,751'. POOH. DROP BALL, READY TO FRAC.				
04:00	05:00	1.00	24.00	GENERAL OPERATIONS	No	GREASE FRAC STACK				
NPT										
Typ		SubTyp	Des		Start Date	End Date	Failed Item	Accountable Party	Dur (hr)	
DOWNHOLE EQUIPMENT		WIRELINE	5TH WIRELINE GUN ON STAGE 10 OF 41 DID NOT FIRE		3/6/2015 09:00	3/6/2015 10:00		CASEDHOLE SOLUTIONS, INC.	1.00	
SURFACE EQUIPMENT		PUMPS	UPP PUTTING PUMP IN LINE		3/6/2015 10:00	3/6/2015 11:00		UNIVERSAL PRESSURE PUMPING INC	1.00	
Safety Checks										
Time		Type			Inspected By		Description			
05:01		SAFETY MEETING			JUSTIN STRINGER/CLAYTON BRUNTZ		PRE JOB SAFETY MEETING			
17:00		SAFETY MEETING			CORY PORTER / DAVE MAGOUIRK		PRE JOB SAFETY MEETING			
Plug Details										
Des			Top (ftKB)	Btm (ftKB)	OD (in)	ID (in)	Run Date	Pull Date	Com	
FRAC PLUG			13,349.0	13,351.0	4 3/8		3/6/2015		STAGE 10	
FRAC PLUG			13,207.0	13,209.0	4 3/8		3/6/2015		STAGE 11	
FRAC PLUG			13,055.0	13,057.0	4 3/8		3/6/2015		STAGE 12	
FRAC PLUG			12,903.0	12,905.0	4 3/8		3/6/2015		STAGE 13	
FRAC PLUG			12,751.0	12,753.0	4 3/8		3/7/2015		STAGE 14	
Perforation Intervals										
Time	Zone			Top (ftKB)		Btm (ftKB)		Shot Dens (shots/ft)	Gun Size (in)	Com
03:27	WOLFCAMP A, ORIGINAL HOLE			12,614.0		12,615.0		6.0	3 1/8	STAGE 14
03:27	WOLFCAMP A, ORIGINAL HOLE			12,644.0		12,645.2		6.0	3 1/8	STAGE 14
03:27	WOLFCAMP A, ORIGINAL HOLE			12,674.0		12,675.2		6.0	3 1/8	STAGE 14
03:27	WOLFCAMP A, ORIGINAL HOLE			12,704.0		12,705.2		6.0	3 1/8	STAGE 14
03:27	WOLFCAMP A, ORIGINAL HOLE			12,734.0		12,735.3		6.0	3 1/8	STAGE 14
23:06	WOLFCAMP A, ORIGINAL HOLE			12,766.0		12,767.0		6.0	3 1/8	STAGE 13
23:06	WOLFCAMP A, ORIGINAL HOLE			12,796.0		12,797.2		6.0	3 1/8	STAGE 13
23:06	WOLFCAMP A, ORIGINAL HOLE			12,826.0		12,827.2		6.0	3 1/8	STAGE 13
23:06	WOLFCAMP A, ORIGINAL HOLE			12,856.0		12,857.2		6.0	3 1/8	STAGE 13
23:06	WOLFCAMP A, ORIGINAL HOLE			12,886.0		12,887.3		6.0	3 1/8	STAGE 13
18:22	WOLFCAMP A, ORIGINAL HOLE			12,918.0		12,919.0		6.0	3 1/8	STAGE 12
18:22	WOLFCAMP A, ORIGINAL HOLE			12,948.0		12,949.2		6.0	3 1/8	STAGE 12
18:22	WOLFCAMP A, ORIGINAL HOLE			12,978.0		12,979.2		6.0	3 1/8	STAGE 12
18:22	WOLFCAMP A, ORIGINAL HOLE			13,008.0		13,009.2		6.0	3 1/8	STAGE 12
18:22	WOLFCAMP A, ORIGINAL HOLE			13,038.0		13,039.3		6.0	3 1/8	STAGE 12
13:45	WOLFCAMP A, ORIGINAL HOLE			13,070.0		13,071.0		6.0	3 1/8	STAGE 11
13:45	WOLFCAMP A, ORIGINAL HOLE			13,100.0		13,101.2		6.0	3 1/8	STAGE 11
13:45	WOLFCAMP A, ORIGINAL HOLE			13,130.0		13,131.2		6.0	3 1/8	STAGE 11
13:45	WOLFCAMP A, ORIGINAL HOLE			13,160.0		13,161.2		6.0	3 1/8	STAGE 11
13:45	WOLFCAMP A, ORIGINAL HOLE			13,191.0		13,192.3		6.0	3 1/8	STAGE 11
09:45	WOLFCAMP A, ORIGINAL HOLE			13,222.0		13,223.0		6.0	3 1/8	STAGE 10
08:00	WOLFCAMP A, ORIGINAL HOLE			13,252.0		13,253.2		6.0	3 1/8	STAGE 10
08:00	WOLFCAMP A, ORIGINAL HOLE			13,282.0		13,283.2		6.0	3 1/8	STAGE 10
08:00	WOLFCAMP A, ORIGINAL HOLE			13,309.0		13,310.2		6.0	3 1/8	STAGE 10
08:00	WOLFCAMP A, ORIGINAL HOLE			13,337.0		13,338.3		6.0	3 1/8	STAGE 10

Stimulations & Treatments

STAGE 9 - HYDRAULIC FRAC on 3/6/2015 05:19

Date 3/6/2015	Type HYDRAULIC FRAC	Zone WOLFCAMP A, ORIGINAL HOLE				Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC			Comment TRACERS FFI-2000 STAGES 1-10 UPP LOST CHEMICALS DUE TO CHEM ADD COMPUTER CONTROL FAILURE , WHILE ON 2.00 PPG 40/70 CUT SAND AND DROPPED RATE TO AVOID SCREENOUT, RAN 805 BBL SWEEP LINED CHEMICALS BACK OUT RE -ESTABLISHED 70 BPM .STARTED SAND AGAIN AT .75 PPG , INCREASED TO 1.25 PPG AND SUCCESSFULLY FINISHED STAGE					
P Pre SI (psi) 1,112.0	ISIP (psi) 2,552.0	P Post SI (psi) 2,183.0	5 min SI (psi) 1950	10 min SI (psi)	15 min SI (psi)	P Break (psi) 4,099.0	BD Rate (bbl... 10	Q Treat Min... 63	Q Treat Max... 71	Q Treat Avg... 70	Avg Treat Pr... 6,046.3	Proppant De... 245,000	Prop Placed... 248,900	
Max Treat Pressure (psi) 6,876.0			Avg Treat Pressure (psi) 6,046.3			Max Treat Rate (bbl/min) 71			Avg Treat Rate (bbl/min) 70			V clean+slurry (bbl) 6752.26		
Total Add Amount 7.5 % HCL HYDROCHLORIC ACID 2016 gal; ACID CORROSION INHIBITOR CIA-5 6 gal; ACID IRON CONTROL IR-1 6 gal; ACID SURFACTANT NE-1 2 gal; BIO 15-G 84 gal; FFI 2000 11 gal; PROPPANT 100 MESH 34140 lb; PROPPANT 40/70 WHITE 214760 lb; WFR-5 191 gal														

STAGE 10 - HYDRAULIC FRAC on 3/6/2015 11:33

Date 3/6/2015	Type HYDRAULIC FRAC	Zone WOLFCAMP A, ORIGINAL HOLE				Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC			Comment TRACERS FFI-2000 STAGES 1-10					
P Pre SI (psi) 1,121.0	ISIP (psi) 2,655.0	P Post SI (psi) 2,356.0	5 min SI (psi) 2059	10 min SI (psi)	15 min SI (psi)	P Break (psi) 3,893.0	BD Rate (bbl... 10	Q Treat Min... 70	Q Treat Max... 71	Q Treat Avg... 70	Avg Treat Pr... 5,594.4	Proppant De... 245,000	Prop Placed... 243,220	
Max Treat Pressure (psi) 6,107.0			Avg Treat Pressure (psi) 5,594.4			Max Treat Rate (bbl/min) 71			Avg Treat Rate (bbl/min) 70			V clean+slurry (bbl) 5998.26		
Total Add Amount 7.5 % HCL HYDROCHLORIC ACID 2016 gal; ACID CORROSION INHIBITOR CIA-5 6 gal; ACID IRON CONTROL IR-1 6 gal; ACID SURFACTANT NE-1 2 gal; BIO 15-G 64 gal; FFI 2000 11 gal; PROPPANT 100 MESH 34000 lb; PROPPANT 40/70 WHITE 209220 lb; WFR-5 140 gal														

STAGE 11 - HYDRAULIC FRAC on 3/6/2015 15:51

Date 3/6/2015	Type HYDRAULIC FRAC	Zone WOLFCAMP A, ORIGINAL HOLE				Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC			Comment TRACERS FFI-3200 STAGES 11-21					
P Pre SI (psi) 1,309.0	ISIP (psi) 2,722.0	P Post SI (psi) 2,367.0	5 min SI (psi) 2182	10 min SI (psi)	15 min SI (psi)	P Break (psi) 4,407.0	BD Rate (bbl... 10	Q Treat Min... 70	Q Treat Max... 72	Q Treat Avg... 71	Avg Treat Pr... 5,764.3	Proppant De... 245,000	Prop Placed... 253,320	
Max Treat Pressure (psi) 6,145.0			Avg Treat Pressure (psi) 5,764.3			Max Treat Rate (bbl/min) 72			Avg Treat Rate (bbl/min) 71			V clean+slurry (bbl) 5740.26		
Total Add Amount 7.5 % HCL HYDROCHLORIC ACID 2016 gal; ACID CORROSION INHIBITOR CIA-5 6 gal; ACID IRON CONTROL IR-1 6 gal; ACID SURFACTANT NE-1 2 gal; BIO 15-G 74 gal; FFI 3200 11 gal; PROPPANT 100 MESH 34020 lb; PROPPANT 40/70 WHITE 219300 lb; WFR-5 149 gal														

STAGE 12 - HYDRAULIC FRAC on 3/6/2015 20:39

Date 3/6/2015	Type HYDRAULIC FRAC	Zone WOLFCAMP A, ORIGINAL HOLE				Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC			Comment TRACERS FFI-3200 STAGES 11-21					
P Pre SI (psi) 1,253.0	ISIP (psi) 2,643.0	P Post SI (psi) 2,645.0	5 min SI (psi) 2082	10 min SI (psi)	15 min SI (psi)	P Break (psi) 3,148.0	BD Rate (bbl... 10	Q Treat Min... 75	Q Treat Max... 76	Q Treat Avg... 75	Avg Treat Pr... 5,671.4	Proppant De... 245,000	Prop Placed... 256,180	
Max Treat Pressure (psi) 6,193.0			Avg Treat Pressure (psi) 5,671.4			Max Treat Rate (bbl/min) 76			Avg Treat Rate (bbl/min) 75			V clean+slurry (bbl) 5783.26		
Total Add Amount 7.5 % HCL HYDROCHLORIC ACID 2016 gal; ACID CORROSION INHIBITOR CIA-5 6 gal; ACID IRON CONTROL IR-1 6 gal; ACID SURFACTANT NE-1 2 gal; BIO 15-G 53 gal; FFI 3200 11 gal; PROPPANT 100 MESH 34220 lb; PROPPANT 40/70 WHITE 221960 lb; WFR-5 149 gal														

STAGE 13 - HYDRAULIC FRAC on 3/7/2015 01:02

Date 3/7/2015	Type HYDRAULIC FRAC	Zone WOLFCAMP A, ORIGINAL HOLE				Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC			Comment TRACERS FFI-3200 STAGES 11-21					
P Pre SI (psi) 1,310.0	ISIP (psi) 2,816.0	P Post SI (psi) 2,579.0	5 min SI (psi) 2241	10 min SI (psi)	15 min SI (psi)	P Break (psi) 3,850.0	BD Rate (bbl... 10	Q Treat Min... 75	Q Treat Max... 76	Q Treat Avg... 75	Avg Treat Pr... 6,021.1	Proppant De... 245,000	Prop Placed... 257,640	
Max Treat Pressure (psi) 6,770.0			Avg Treat Pressure (psi) 6,021.1			Max Treat Rate (bbl/min) 76			Avg Treat Rate (bbl/min) 75			V clean+slurry (bbl) 5723.26		
Total Add Amount 7.5 % HCL HYDROCHLORIC ACID 2016 gal; ACID CORROSION INHIBITOR CIA-5 6 gal; ACID IRON CONTROL IR-1 6 gal; ACID SURFACTANT NE-1 2 gal; BIO 15-G 63 gal; FFI 3200 11 gal; PROPPANT 100 MESH 31100 lb; PROPPANT 40/70 WHITE 226540 lb; WFR-5 148 gal														



AMERICAN ENERGY
PARTNERS

AMERICAN ENERGY - PERMIAN BASIN, LLC
Daily Completion Report

UNIVERSITY 09 0806H
AEPB WELL NO. 32

Report Date 3/8/2015
AFE # DV02085
Total AFE 4,497,200

API 42383392020000	State TEXAS	County REAGAN	Well Config HORIZONTAL	Ground Elevation (ft) 2,671.00	RKB (ft) 30.00	Well Status COMPLETION	Well Sub-Status COMPLETING	Completion Date
Job Information								
Job Category COMPLETION			Primary Job Type COMPLETION - ORIGINAL		Secondary Job Type		Start Date 1/30/2015	End Date
AFE Number DV02085			Supplemental AFE Number		Daily Field Est (Cost) 236,914		Cum Field Est (Cost) 1,485,525	
Number of Stages (ft) 41			Lateral Length (ft) 7,138		Time Since LTI (days)		Time Since Reportable Incident (days)	

Daily Contacts								
Contacts COMP SUP, CLAYTON BRUNTZ, LOOP; COMP SUP, JUSTIN STRINGER, LOOP; COMP SUPVR, CORY PORTER, CRSCNT; COMP SUPT, DAVID MAGOUIRK, CRSCNT								
Daily Operations								
Operations Summary UNIVERSAL PRESSURE PUMPING COMPLETED FRAC STAGES 14-18 OF 41, CASEDHOLE SOLUTIONS COMPLETED PLUG AND PERFORATION RUN FOR STAGE 15-19 OF 41								
Planned Operations CONTINUE FRAC OPERATIONS WITH UPP FRAC AND CASEDHOLE PERFORATING , ANTICIPATE STAGES 19-23.								

Time Log								
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Activity	Inactive?	Comments	Unschd Typ	NPT
05:00	07:00	2.00	2.00	FRAC. JOB	No	UNIVERSAL PRESSURE PUMPING SUCCESSFULLY COMPLETED FRAC STAGE 14 OF 41		
07:00	08:15	1.25	3.25	PERFORATING	No	PLUG AND PERF STAGE 15 OF 41. PUMP DOWN @ 20 BPM WITH MAX PSI OF 5,300 TOTAL OF 268 BBLS PUMPED. PLUG SET WITH NO TENSION LOSS. TO CONFIRM PLUG SET, PULLED UP, PUMPED BACK DOWN, AND TAGGED PLUG AT A DEPTH OF 12,599'. POOH. DROP BALL, READY TO FRAC.		
08:15	09:00	0.75	4.00	INACTIVE	No	WAITING ON SIM-OPS		
09:00	11:00	2.00	6.00	FRAC. JOB	No	UNIVERSAL PRESSURE PUMPING SUCCESSFULLY COMPLETED FRAC STAGE 15 OF 41 DID NOT PUMP ACID , ONLY FRESH WATER , PRODUCED WATER TO LOW IN THE STORAGE TANK TO PULL FROM		
11:00	12:15	1.25	7.25	PERFORATING	No	PLUG AND PERF STAGE 16 OF 41. PUMP DOWN @ 20 BPM WITH MAX PSI OF 3,900 TOTAL OF 231 BBLS PUMPED. PLUG SET WITH TENSION LOSS OF 280 LBS AT A DEPTH OF 12,447'. POOH. DROP BALL, READY TO FRAC.		
12:15	13:15	1.00	8.25	INACTIVE	No	WAITING ON SIM-OPS		
13:15	14:30	1.25	9.50	DOWNTIME	No	WAITING FOR SAND TO OFFLOAD	WAITING ON MATERIALS	Yes
14:30	15:00	0.50	10.00	GENERAL OPERATIONS	No	GREASING WELLHEADS AND MANIFOLD WHILE SAND FINISHES OFFLOADING		
15:00	16:30	1.50	11.50	FRAC. JOB	No	UNIVERSAL PRESSURE PUMPING SUCCESSFULLY COMPLETED FRAC STAGE 16 OF 41 DID NOT PUMP ACID , ONLY FRESH WATER , PRODUCED WATER TO LOW IN THE STORAGE TANK TO PULL FROM		
16:30	18:00	1.50	13.00	PERFORATING	No	PLUG AND PERF STAGE 17 OF 41. PUMP DOWN @ 20 BPM WITH MAX PSI OF 4,500 TOTAL OF 281 BBLS PUMPED. PLUG SET WITH TENSION LOSS OF 210 LBS AT A DEPTH OF 12,295'. POOH. DROP BALL, READY TO FRAC.		
18:00	20:30	2.50	15.50	INACTIVE	No	WAITING ON SIM-OPS		
20:30	22:00	1.50	17.00	FRAC. JOB	No	UNIVERSAL PRESSURE PUMPING SUCCESSFULLY COMPLETED FRAC STAGE 17 OF 41. ONLY FRESH WATER , PRODUCED WATER TO LOW IN THE STORAGE TANK TO PULL FROM		
22:00	23:15	1.25	18.25	PERFORATING	No	PLUG AND PERF STAGE 18 OF 41. PUMP DOWN @ 20 BPM WITH MAX PSI OF 4,600 TOTAL OF 275 BBLS PUMPED. PLUG SET WITH TENSION LOSS OF 180 LBS AT A DEPTH OF 12,143'. POOH. DROP BALL, READY TO FRAC.		
23:15	00:15	1.00	19.25	INACTIVE	No	WAITING ON SIMOPS		
00:15	01:45	1.50	20.75	FRAC. JOB	No	UNIVERSAL PRESSURE PUMPING SUCCESSFULLY COMPLETED FRAC STAGE 18 OF 41. ONLY FRESH WATER , PRODUCED WATER TO LOW IN THE STORAGE TANK TO PULL FROM		
01:45	03:15	1.50	22.25	PERFORATING	No	PLUG AND PERF STAGE 19 OF 41. PUMP DOWN @ 20 BPM WITH MAX PSI OF 4,100 TOTAL OF 268 BBLS PUMPED. PLUG SET WITH TENSION LOSS OF 100 LBS AT A DEPTH OF 11,991'. POOH. DROP BALL, READY TO FRAC.		
03:15	04:00	0.75	23.00	INACTIVE	No	WAITING ON SIMOPS		

NPT								
Typ		SubTyp	Des		Start Date	End Date	Failed Item	Accountable Party
MATERIALS		PROPPANT	WAITING ON SAND TO OFFLOAD		3/7/2015 13:15	3/7/2015 14:30		UNIVERSAL PRESSURE PUMPING INC
								Dur (hr) 1.25

Safety Checks			
Time		Type	Inspected By
05:01		SAFETY MEETING	JUSTIN STRINGER/CLAYTON BRUNTZ
17:00		SAFETY MEETING	CORY PORTER / DAVE MAGOUIRK
			Description
			PRE JOB SAFETY MEETING
			PRE JOB SAFETY MEETING

Plug Details							
Des	Top (ftKB)	Btm (ftKB)	OD (in)	ID (in)	Run Date	Pull Date	Com
FRAC PLUG	12,599.0	12,601.0	4 3/8		3/7/2015		STAGE 15
FRAC PLUG	12,447.0	12,449.0	4 3/8		3/7/2015		STAGE 16
FRAC PLUG	12,295.0	12,297.0	4 3/8		3/7/2015		STAGE 17
FRAC PLUG	12,143.0	12,145.0	4 3/8		3/7/2015		STAGE 18
FRAC PLUG	11,991.0	11,993.0	4 3/8		3/8/2015		STAGE 19

Perforation Intervals							
Time	Zone	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Gun Size (in)	Com	
03:45	WOLFCAMP A, ORIGINAL HOLE	11,854.0	11,855.0	6.0	3 1/8	STAGE 19	
03:45	WOLFCAMP A, ORIGINAL HOLE	11,884.0	11,885.2	6.0	3 1/8	STAGE 19	
03:45	WOLFCAMP A, ORIGINAL HOLE	11,914.0	11,915.2	6.0	3 1/8	STAGE 19	
03:45	WOLFCAMP A, ORIGINAL HOLE	11,944.0	11,945.2	6.0	3 1/8	STAGE 19	
03:45	WOLFCAMP A, ORIGINAL HOLE	11,974.0	11,975.3	6.0	3 1/8	STAGE 19	
22:48	WOLFCAMP A, ORIGINAL HOLE	12,006.0	12,007.0	6.0	3 1/8	STAGE 18	
22:48	WOLFCAMP A, ORIGINAL HOLE	12,032.0	12,033.2	6.0	3 1/8	STAGE 18	
22:48	WOLFCAMP A, ORIGINAL HOLE	12,066.0	12,067.2	6.0	3 1/8	STAGE 18	
22:48	WOLFCAMP A, ORIGINAL HOLE	12,096.0	12,097.2	6.0	3 1/8	STAGE 18	
22:48	WOLFCAMP A, ORIGINAL HOLE	12,122.0	12,123.3	6.0	3 1/8	STAGE 18	
17:26	WOLFCAMP A, ORIGINAL HOLE	12,158.0	12,159.0	6.0	3 1/8	STAGE 17	
17:26	WOLFCAMP A, ORIGINAL HOLE	12,188.0	12,189.2	6.0	3 1/8	STAGE 17	
17:26	WOLFCAMP A, ORIGINAL HOLE	12,216.0	12,217.2	6.0	3 1/8	STAGE 17	
17:26	WOLFCAMP A, ORIGINAL HOLE	12,248.0	12,249.2	6.0	3 1/8	STAGE 17	
17:26	WOLFCAMP A, ORIGINAL HOLE	12,278.0	12,279.3	6.0	3 1/8	STAGE 17	
11:45	WOLFCAMP A, ORIGINAL HOLE	12,310.0	12,311.0	6.0	3 1/8	STAGE 16	
11:45	WOLFCAMP A, ORIGINAL HOLE	12,340.0	12,341.2	6.0	3 1/8	STAGE 16	
11:45	WOLFCAMP A, ORIGINAL HOLE	12,370.0	12,371.2	6.0	3 1/8	STAGE 16	
11:45	WOLFCAMP A, ORIGINAL HOLE	12,400.0	12,401.2	6.0	3 1/8	STAGE 16	
11:45	WOLFCAMP A, ORIGINAL HOLE	12,430.0	12,431.3	6.0	3 1/8	STAGE 16	
07:45	WOLFCAMP A, ORIGINAL HOLE	12,462.0	12,463.0	6.0	3 1/8	STAGE 15	
07:45	WOLFCAMP A, ORIGINAL HOLE	12,492.0	12,493.2	6.0	3 1/8	STAGE 15	
07:45	WOLFCAMP A, ORIGINAL HOLE	12,522.0	12,523.2	6.0	3 1/8	STAGE 15	
07:45	WOLFCAMP A, ORIGINAL HOLE	12,552.0	12,553.2	6.0	3 1/8	STAGE 15	
07:45	WOLFCAMP A, ORIGINAL HOLE	12,584.0	12,585.3	6.0	3 1/8	STAGE 15	

Stimulations & Treatments

STAGE 14 - HYDRAULIC FRAC on 3/7/2015 05:00

Date 3/7/2015	Type HYDRAULIC FRAC	Zone WOLFCAMP A, ORIGINAL HOLE				Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC			Comment TRACERS FFI-3200 STAGES 11-21					
P Pre SI (psi) 1,339.0	ISIP (psi) 2,669.0	P Post SI (psi) 2,437.0	5 min SI (psi) 2033	10 min SI (psi)	15 min SI (psi)	P Break (psi) 4,054.0	BD Rate (bbl/min) 10	Q Treat Min... 70	Q Treat Max... 75	Q Treat Avg... 73	Avg Treat Pr... 6,015.9	Proppant De... 245,000	Prop Placed... 259,060	
Max Treat Pressure (psi) 6,807.0			Avg Treat Pressure (psi) 6,015.9			Max Treat Rate (bbl/min) 75			Avg Treat Rate (bbl/min) 73			V clean+slurry (bbl) 5734.26		
Total Add Amount 7.5 % HCL HYDROCHLORIC ACID 2016 gal; ACID CORROSION INHIBITOR CIA-5 6 gal; ACID IRON CONTROL IR-1 6 gal; ACID SURFACTANT NE-1 2 gal; BIO 15-G 70 gal; FFI 3200 11 gal; PROPPANT 100 MESH 32520 lb; PROPPANT 40/70 WHITE 226540 lb; WFR-5 137 gal														

STAGE 15 - HYDRAULIC FRAC on 3/7/2015 09:35

Date 3/7/2015	Type HYDRAULIC FRAC	Zone WOLFCAMP A, ORIGINAL HOLE				Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC			Comment TRACERS FFI-3200 STAGES 11-21 DID NOT PUMP ACID , ONLY FRESH WATER , PRODUCED WATER TO LOW IN THE STORAGE TANK TO PULL FROM					
P Pre SI (psi) 1,306.0	ISIP (psi) 2,851.0	P Post SI (psi) 2,482.0	5 min SI (psi) 2269	10 min SI (psi)	15 min SI (psi)	P Break (psi) 3,805.0	BD Rate (bbl/min) 10	Q Treat Min... 65	Q Treat Max... 71	Q Treat Avg... 62	Avg Treat Pr... 5,287.7	Proppant De... 245,000	Prop Placed... 236,560	
Max Treat Pressure (psi) 6,218.0			Avg Treat Pressure (psi) 5,287.7			Max Treat Rate (bbl/min) 71			Avg Treat Rate (bbl/min) 62			V clean+slurry (bbl) 5228.26		
Total Add Amount 7.5 % HCL HYDROCHLORIC ACID 0 gal; ACID CORROSION INHIBITOR CIA-5 0 gal; ACID IRON CONTROL IR-1 0 gal; ACID SURFACTANT NE-1 0 gal; BIO 15-G 65 gal; FFI 3200 11 gal; PROPPANT 100 MESH 47060 lb; PROPPANT 40/70 WHITE 189500 lb; WFR-5 167 gal														

STAGE 16 - HYDRAULIC FRAC on 3/7/2015 15:04

Date 3/7/2015	Type HYDRAULIC FRAC	Zone WOLFCAMP A, ORIGINAL HOLE				Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC			Comment TRACERS FFI-3200 STAGES 11-21 DID NOT PUMP ACID , ONLY FRESH WATER , PRODUCED WATER TO LOW IN THE STORAGE TANK TO PULL FROM					
P Pre SI (psi) 1,258.0	ISIP (psi) 2,703.0	P Post SI (psi) 2,466.0	5 min SI (psi) 2268	10 min SI (psi)	15 min SI (psi)	P Break (psi) 3,886.0	BD Rate (bbl/min) 10	Q Treat Min... 69	Q Treat Max... 71	Q Treat Avg... 63	Avg Treat Pr... 5,502.0	Proppant De... 245,000	Prop Placed... 250,420	
Max Treat Pressure (psi) 6,475.0			Avg Treat Pressure (psi) 5,502.0			Max Treat Rate (bbl/min) 71			Avg Treat Rate (bbl/min) 63			V clean+slurry (bbl) 5302.26		
Total Add Amount 7.5 % HCL HYDROCHLORIC ACID 0 gal; ACID CORROSION INHIBITOR CIA-5 0 gal; ACID IRON CONTROL IR-1 0 gal; ACID SURFACTANT NE-1 0 gal; BIO 15-G 65 gal; FFI 3200 11 gal; PROPPANT 100 MESH 47920 lb; PROPPANT 40/70 WHITE 202500 lb; WFR-5 180 gal														

STAGE 17 - HYDRAULIC FRAC on 3/7/2015 20:27

Date 3/7/2015	Type HYDRAULIC FRAC	Zone WOLFCAMP A, ORIGINAL HOLE				Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC			Comment TRACERS FFI-3200 STAGES 11-21. ONLY FRESH WATER , PRODUCED WATER TO LOW IN THE STORAGE TANK TO PULL FROM					
P Pre SI (psi) 1,244.0	ISIP (psi) 2,892.0	P Post SI (psi) 2,472.0	5 min SI (psi) 2207	10 min SI (psi)	15 min SI (psi)	P Break (psi) 3,602.0	BD Rate (bbl/min) 10	Q Treat Min... 74	Q Treat Max... 75	Q Treat Avg... 74	Avg Treat Pr... 6,130.0	Proppant De... 245,000	Prop Placed... 254,700	
Max Treat Pressure (psi) 6,750.0			Avg Treat Pressure (psi) 6,130.0			Max Treat Rate (bbl/min) 75			Avg Treat Rate (bbl/min) 74			V clean+slurry (bbl) 5373.26		
Total Add Amount 7.5 % HCL HYDROCHLORIC ACID 2016 gal; ACID CORROSION INHIBITOR CIA-5 6 gal; ACID IRON CONTROL IR-1 6 gal; ACID SURFACTANT NE-1 2 gal; BIO 15-G 70 gal; FFI 3200 11 gal; PROPPANT 100 MESH 34340 lb; PROPPANT 40/70 WHITE 220360 lb; WFR-5 156 gal														

STAGE 18 - HYDRAULIC FRAC on 3/8/2015 00:20

Date 3/8/2015	Type HYDRAULIC FRAC	Zone WOLFCAMP A, ORIGINAL HOLE				Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC			Comment TRACERS FFI-3200 STAGES 11-21. ONLY FRESH WATER , PRODUCED WATER TO LOW IN THE STORAGE TANK TO PULL FROM					
P Pre SI (psi) 1,349.0	ISIP (psi) 2,942.0	P Post SI (psi) 2,422.0	5 min SI (psi) 2160	10 min SI (psi)	15 min SI (psi)	P Break (psi) 3,465.0	BD Rate (bbl/min) 10	Q Treat Min... 72	Q Treat Max... 75	Q Treat Avg... 73	Avg Treat Pr... 6,057.0	Proppant De... 245,000	Prop Placed... 250,480	
Max Treat Pressure (psi) 6,903.0			Avg Treat Pressure (psi) 6,057.0			Max Treat Rate (bbl/min) 75			Avg Treat Rate (bbl/min) 73			V clean+slurry (bbl) 5276.26		
Total Add Amount 7.5 % HCL HYDROCHLORIC ACID 2016 gal; ACID CORROSION INHIBITOR CIA-5 6 gal; ACID IRON CONTROL IR-1 6 gal; ACID SURFACTANT NE-1 2 gal; BIO 15-G 67 gal; FFI 3200 11 gal; PROPPANT 100 MESH 34040 lb; PROPPANT 40/70 WHITE 216440 lb; WFR-5 161 gal														



AMERICAN ENERGY - PERMIAN BASIN, LLC
Daily Completion Report

Report Date 3/9/2015
AFE # DV02085
Total AFE 4,497,200

AMERICAN ENERGY
PARTNERS

UNIVERSITY 09 0806H
AEPB WELL NO. 32

API 42383392020000	State TEXAS	County REAGAN	Well Config HORIZONTAL	Ground Elevation (ft) 2,671.00	RKB (ft) 30.00	Well Status COMPLETION	Well Sub-Status COMPLETING	Completion Date					
Job Information													
Job Category COMPLETION		Primary Job Type COMPLETION - ORIGINAL			Secondary Job Type		Start Date 1/30/2015	End Date					
AFE Number DV02085		Supplemental AFE Number			Daily Field Est (Cost) 281,922		Cum Field Est (Cost) 1,814,865						
Number of Stages (ft) 41		Lateral Length (ft) 7,138			Time Since LTI (days)		Time Since Reportable Incident (days)						
Daily Contacts													
Contacts COMP SUP, CLAYTON BRUNTZ, LOOP; COMP SUP, JUSTIN STRINGER, LOOP; COMP SUPVR, CORY PORTER, CRSCNT; COMP SUPT, DAVID MAGOUIRK, CRSCNT													
Daily Operations													
Operations Summary UNIVERSAL PRESSURE PUMPING COMPLETED FRAC STAGES 19-23 OF 41, CASEDHOLE SOLUTIONS COMPLETED PLUG AND PERFORATION RUN FOR STAGE 20-24 OF 41													
Planned Operations CONTINUE FRAC OPERATIONS WITH UPP FRAC AND CASEDHOLE PERFORATING , ANTICIPATE STAGES 24-29.													
Time Log													
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Activity	Inactive?	Comments	Unschd Typ	NPT					
05:00	05:30	0.50	0.50	PRESSURE TEST	No	PRESSURE TEST FRAC IRON , FIX LEAK ON CHICKSAN ON MANIFOLD.							
05:30	07:00	1.50	2.00	FRAC. JOB	No	UNIVERSAL PRESSURE PUMPING SUCCESSFULLY COMPLETED FRAC STAGE 19 OF 41. ONLY FRESH WATER , PRODUCED WATER TO LOW IN THE STORAGE TANK TO PULL FROM. FINISHED STAGE WITH ONLY 8 PUMPS. GOING TO TROUBLE SHOOT 2 PUMPS WITH ELECTRONIC ISSUES							
07:00	08:30	1.50	3.50	PERFORATING	No	PLUG AND PERF STAGE 20 OF 41. PUMP DOWN @ 20 BPM WITH MAX PSI OF 3,750 TOTAL OF 212 BBLs PUMPED. PLUG SET WITH TENSION LOSS OF 220 LBS AT A DEPTH OF 11,839'. POOH. DROP BALL, READY TO FRAC.							
08:30	09:00	0.50	4.00	GENERAL OPERATIONS	No	GREASE FRAC STACK							
09:00	14:15	5.25	9.25	INACTIVE	No	WAITING ON SIM-OPS							
14:15	16:00	1.75	11.00	FRAC. JOB	No	UNIVERSAL PRESSURE PUMPING SUCCESSFULLY COMPLETED FRAC STAGE 20 OF 41. ONLY FRESH WATER , PRODUCED WATER TOO LOW IN THE STORAGE TANK TO PULL FROM. FINISHED STAGE WITH ONLY 8 PUMPS. GOING TO TROUBLE SHOOT 2 PUMPS WITH ELECTRONIC ISSUES							
16:00	17:15	1.25	12.25	PERFORATING	No	PLUG AND PERF STAGE 21 OF 41. PUMP DOWN @ 20 BPM WITH MAX PSI OF 4,100 TOTAL OF 194 BBLs PUMPED. PLUG SET WITH TENSION LOSS OF 220 LBS AT A DEPTH OF 11,687'. POOH. DROP BALL, READY TO FRAC.							
17:15	18:15	1.00	13.25	INACTIVE	No	WAITING ON SIMOPS							
18:15	19:45	1.50	14.75	FRAC. JOB	No	UNIVERSAL PRESSURE PUMPING SUCCESSFULLY COMPLETED FRAC STAGE 21 OF 41							
19:45	21:00	1.25	16.00	PERFORATING	No	PLUG AND PERF STAGE 22 OF 41. PUMP DOWN @ 20 BPM WITH MAX PSI OF 4,800 TOTAL OF 231 BBLs PUMPED. PLUG SET WITH TENSION LOSS OF 125 LBS AT A DEPTH OF 11,531'. POOH. DROP BALL, READY TO FRAC.							
21:00	21:30	0.50	16.50	INACTIVE	No	WAITING ON SIMOPS							
21:30	23:30	2.00	18.50	FRAC. JOB	No	UNIVERSAL PRESSURE PUMPING SUCCESSFULLY COMPLETED FRAC STAGE 22 OF 41							
23:30	00:45	1.25	19.75	PERFORATING	No	PLUG AND PERF STAGE 23 OF 41. PUMP DOWN @ 20 BPM WITH MAX PSI OF 4,500 TOTAL OF 222 BBLs PUMPED. PLUG SET WITH TENSION LOSS OF 145 LBS AT A DEPTH OF 11,383'. POOH. DROP BALL, READY TO FRAC.							
00:45	01:15	0.50	20.25	GENERAL OPERATIONS	No	GREASE FRAC STACK							
01:15	02:00	0.75	21.00	INACTIVE	No	WAITING ON SIMOPS							
02:00	03:45	1.75	22.75	FRAC. JOB	No	UNIVERSAL PRESSURE PUMPING SUCCESSFULLY COMPLETED FRAC STAGE 23 OF 41							
03:45	05:00	1.25	24.00	PERFORATING	No	PLUG AND PERF STAGE 24 OF 41. PUMP DOWN @ 20 BPM WITH MAX PSI OF 4,200 TOTAL OF 205 BBLs PUMPED. PLUG SET WITH TENSION LOSS OF 65 LBS AT A DEPTH OF 11,231'. POOH. DROP BALL, READY TO FRAC.							
Safety Checks													
Time	Type			Inspected By		Description							
05:01	SAFETY MEETING			JUSTIN STRINGER/CLAYTON BRUNTZ		PRE JOB SAFETY MEETING							
17:00	SAFETY MEETING			CORY PORTER / DAVE MAGOUIRK		PRE JOB SAFETY MEETING							
Plug Details													
Des	Top (ftKB)	Btm (ftKB)	OD (in)	ID (in)	Run Date	Pull Date	Com						
FRAC PLUG	11,839.0	11,841.0	4 3/8		3/8/2015		STAGE 20						
FRAC PLUG	11,687.0	11,689.0	4 3/8		3/8/2015		STAGE 21						
FRAC PLUG	11,531.0	11,533.0	4 3/8		3/8/2015		STAGE 22						
FRAC PLUG	11,383.0	11,385.0	4 3/8		3/9/2015		STAGE 23						
FRAC PLUG	11,231.0	11,233.0	4 3/8		3/9/2015		STAGE 24						
Perforation Intervals													
Time	Zone	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Gun Size (in)	Com							
04:37	WOLFCAMP A, ORIGINAL HOLE	11,094.0	11,095.0	6.0	3 1/8	STAGE 24							
04:37	WOLFCAMP A, ORIGINAL HOLE	11,124.0	11,125.2	6.0	3 1/8	STAGE 24							
04:37	WOLFCAMP A, ORIGINAL HOLE	11,154.0	11,155.2	6.0	3 1/8	STAGE 24							
04:37	WOLFCAMP A, ORIGINAL HOLE	11,184.0	11,185.2	6.0	3 1/8	STAGE 24							
04:37	WOLFCAMP A, ORIGINAL HOLE	11,214.0	11,215.3	6.0	3 1/8	STAGE 24							
00:19	WOLFCAMP A, ORIGINAL HOLE	11,246.0	11,247.0	6.0	3 1/8	STAGE 23							
00:19	WOLFCAMP A, ORIGINAL HOLE	11,276.0	11,277.2	6.0	3 1/8	STAGE 23							
00:19	WOLFCAMP A, ORIGINAL HOLE	11,306.0	11,307.2	6.0	3 1/8	STAGE 23							
00:19	WOLFCAMP A, ORIGINAL HOLE	11,336.0	11,337.2	6.0	3 1/8	STAGE 23							
00:19	WOLFCAMP A, ORIGINAL HOLE	11,360.0	11,361.3	6.0	3 1/8	STAGE 23							
20:33	WOLFCAMP A, ORIGINAL HOLE	11,398.0	11,399.0	6.0	3 1/8	STAGE 22							
20:33	WOLFCAMP A, ORIGINAL HOLE	11,428.0	11,429.2	6.0	3 1/8	STAGE 22							
20:33	WOLFCAMP A, ORIGINAL HOLE	11,458.0	11,459.2	6.0	3 1/8	STAGE 22							
20:33	WOLFCAMP A, ORIGINAL HOLE	11,488.0	11,489.2	6.0	3 1/8	STAGE 22							
20:33	WOLFCAMP A, ORIGINAL HOLE	11,518.0	11,519.3	6.0	3 1/8	STAGE 22							
16:30	WOLFCAMP A, ORIGINAL HOLE	11,550.0	11,551.0	6.0	3 1/8	STAGE 21							
16:30	WOLFCAMP A, ORIGINAL HOLE	11,582.0	11,583.2	6.0	3 1/8	STAGE 21							
16:30	WOLFCAMP A, ORIGINAL HOLE	11,610.0	11,611.2	6.0	3 1/8	STAGE 21							
16:30	WOLFCAMP A, ORIGINAL HOLE	11,640.0	11,641.2	6.0	3 1/8	STAGE 21							
16:30	WOLFCAMP A, ORIGINAL HOLE	11,668.0	11,669.3	6.0	3 1/8	STAGE 21							
07:45	WOLFCAMP A, ORIGINAL HOLE	11,702.0	11,703.0	6.0	3 1/8	STAGE 20							
07:45	WOLFCAMP A, ORIGINAL HOLE	11,732.0	11,733.2	6.0	3 1/8	STAGE 20							
07:45	WOLFCAMP A, ORIGINAL HOLE	11,760.0	11,761.2	6.0	3 1/8	STAGE 20							
07:45	WOLFCAMP A, ORIGINAL HOLE	11,792.0	11,793.2	6.0	3 1/8	STAGE 20							
07:45	WOLFCAMP A, ORIGINAL HOLE	11,822.0	11,823.3	6.0	3 1/8	STAGE 20							
Stimulations & Treatments													
STAGE 19 - HYDRAULIC FRAC on 3/8/2015 05:36													
Date 3/8/2015	Type HYDRAULIC FRAC	Zone WOLFCAMP A, ORIGINAL HOLE			Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC		Comment TRACERS FFI-3200 STAGES 11-21. ONLY FRESH WATER , PRODUCED WATER TO LOW IN THE STORAGE TANK TO PULL FROM						
P Pre SI (psi) 1,266.0	ISIP (psi) 2,850.0	P Post SI (psi) 2,313.0	5 min SI (psi) 2120	10 min SI (psi)	15 min SI (psi)	P Break (psi) 3,508.0	BD Rate (bbl/min) 10	Q Treat Min... 73	Q Treat Max... 76	Q Treat Avg... 74	Avg Treat Pr... 6,198.2	Proppant De... 245,000	Prop Placed... 254,420
Max Treat Pressure (psi) 6,773.0			Avg Treat Pressure (psi) 6,198.2			Max Treat Rate (bbl/min) 76			Avg Treat Rate (bbl/min) 74			V clean+slurry (bbl) 5384.26	
Total Add Amount 7.5 % HCL HYDROCHLORIC ACID 2016 gal; ACID CORROSION INHIBITOR CIA-5 6 gal; ACID IRON CONTROL IR-1 6 gal; ACID SURFACTANT NE-1 2 gal; BIO 15-G 65 gal; FFI 3200 11 gal; PROPPANT 100 MESH 33840 lb; PROPPANT 40/70 WHITE 220580 lb; WFR-5 169 gal													

Stimulations & Treatments

STAGE 20 - HYDRAULIC FRAC on 3/8/2015 14:23

Date 3/8/2015	Type HYDRAULIC FRAC	Zone WOLFCAMP A, ORIGINAL HOLE						Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC			Comment TRACERS FFI-3200 STAGES 11-21. ONLY FRESH WATER , PRODUCED WATER TO LOW IN THE STORAGE TANK TO PULL FROM			
P Pre SI (psi) 1,124.0	ISIP (psi) 3,003.0	P Post SI (psi) 2,704.0	5 min SI (psi) 2210	10 min SI (psi)	15 min SI (psi)	P Break (psi) 3,750.0	BD Rate (bbl... 10	Q Treat Min... 65	Q Treat Max... 75	Q Treat Avg... 72	Avg Treat Pr... 5,855.8	Proppant De... 245,000	Prop Placed... 252,660	
Max Treat Pressure (psi) 6,538.0			Avg Treat Pressure (psi) 5,855.8			Max Treat Rate (bbl/min) 75			Avg Treat Rate (bbl/min) 72			V clean+slurry (bbl) 5267.26		
Total Add Amount 7.5 % HCL HYDROCHLORIC ACID 2016 gal; ACID CORROSION INHIBITOR CIA-5 6 gal; ACID IRON CONTROL IR-1 6 gal; ACID SURFACTANT NE-1 2 gal; BIO 15-G 68 gal; FFI 3200 11 gal; PROPPANT 100 MESH 33420 lb; PROPPANT 40/70 WHITE 219240 lb; WFR-5 149 gal														

STAGE 21 - HYDRAULIC FRAC on 3/8/2015 18:18

Date 3/8/2015	Type HYDRAULIC FRAC	Zone WOLFCAMP A, ORIGINAL HOLE						Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC			Comment TRACERS FFI-3200 STAGES 11-21.			
P Pre SI (psi) 1,312.0	ISIP (psi) 2,826.0	P Post SI (psi) 2,429.0	5 min SI (psi) 2021	10 min SI (psi)	15 min SI (psi)	P Break (psi) 3,591.0	BD Rate (bbl... 10	Q Treat Min... 75	Q Treat Max... 76	Q Treat Avg... 75	Avg Treat Pr... 5,621.9	Proppant De... 245,000	Prop Placed... 250,980	
Max Treat Pressure (psi) 6,169.0			Avg Treat Pressure (psi) 5,621.9			Max Treat Rate (bbl/min) 76			Avg Treat Rate (bbl/min) 75			V clean+slurry (bbl) 5263.26		
Total Add Amount 7.5 % HCL HYDROCHLORIC ACID 2016 gal; ACID CORROSION INHIBITOR CIA-5 6 gal; ACID IRON CONTROL IR-1 6 gal; ACID SURFACTANT NE-1 2 gal; BIO 15-G 70 gal; FFI 3200 11 gal; PROPPANT 100 MESH 33880 lb; PROPPANT 40/70 WHITE 217100 lb; WFR-5 155 gal														

STAGE 22 - HYDRAULIC FRAC on 3/8/2015 22:02

Date 3/8/2015	Type HYDRAULIC FRAC	Zone WOLFCAMP A, ORIGINAL HOLE						Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC			Comment TRACERS FFI-800 STAGES 22-31.			
P Pre SI (psi) 1,298.0	ISIP (psi) 2,781.0	P Post SI (psi) 2,374.0	5 min SI (psi) 2150	10 min SI (psi)	15 min SI (psi)	P Break (psi) 3,334.0	BD Rate (bbl... 10	Q Treat Min... 75	Q Treat Max... 76	Q Treat Avg... 76	Avg Treat Pr... 5,703.9	Proppant De... 245,000	Prop Placed... 250,000	
Max Treat Pressure (psi) 6,196.0			Avg Treat Pressure (psi) 5,703.9			Max Treat Rate (bbl/min) 76			Avg Treat Rate (bbl/min) 76			V clean+slurry (bbl) 5302.26		
Total Add Amount 7.5 % HCL HYDROCHLORIC ACID 2016 gal; ACID CORROSION INHIBITOR CIA-5 6 gal; ACID IRON CONTROL IR-1 6 gal; ACID SURFACTANT NE-1 2 gal; BIO 15-G 69 gal; FFI 800 11 gal; PROPPANT 100 MESH 34020 lb; PROPPANT 40/70 WHITE 215980 lb; WFR-5 151 gal														

STAGE 23 - HYDRAULIC FRAC on 3/9/2015 02:11

Date 3/9/2015	Type HYDRAULIC FRAC	Zone WOLFCAMP A, ORIGINAL HOLE						Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC			Comment TRACERS FFI-800 STAGES 22-31.			
P Pre SI (psi) 1,250.0	ISIP (psi) 2,704.0	P Post SI (psi) 2,267.0	5 min SI (psi) 2067	10 min SI (psi)	15 min SI (psi)	P Break (psi) 3,248.0	BD Rate (bbl... 10	Q Treat Min... 75	Q Treat Max... 76	Q Treat Avg... 75	Avg Treat Pr... 5,669.2	Proppant De... 245,000	Prop Placed... 250,040	
Max Treat Pressure (psi) 6,016.0			Avg Treat Pressure (psi) 5,669.2			Max Treat Rate (bbl/min) 76			Avg Treat Rate (bbl/min) 75			V clean+slurry (bbl) 5301.26		
Total Add Amount 7.5 % HCL HYDROCHLORIC ACID 2016 gal; ACID CORROSION INHIBITOR CIA-5 6 gal; ACID IRON CONTROL IR-1 6 gal; ACID SURFACTANT NE-1 2 gal; BIO 15-G 67 gal; FFI 800 11 gal; PROPPANT 100 MESH 34040 lb; PROPPANT 40/70 WHITE 216000 lb; WFR-5 145 gal														



AMERICAN ENERGY - PERMIAN BASIN, LLC
Daily Completion Report

Report Date 3/10/2015
AFE # DV02085
Total AFE 4,497,200

AMERICAN ENERGY
PARTNERS

UNIVERSITY 09 0806H
AEPB WELL NO. 32

API 42383392020000	State TEXAS	County REAGAN	Well Config HORIZONTAL	Ground Elevation (ft) 2,671.00	RKB (ft) 30.00	Well Status COMPLETION	Well Sub-Status COMPLETING	Completion Date	
Job Information									
Job Category COMPLETION		Primary Job Type COMPLETION - ORIGINAL			Secondary Job Type		Start Date 1/30/2015	End Date	
AFE Number DV02085		Supplemental AFE Number			Daily Field Est (Cost) 328,838		Cum Field Est (Cost) 2,145,702		
Number of Stages (ft) 41		Lateral Length (ft) 7,138			Time Since LTI (days)		Time Since Reportable Incident (days)		
Daily Contacts									
Contacts COMP SUP, CLAYTON BRUNTZ, LOOP; COMP SUP, JUSTIN STRINGER, LOOP; COMP SUPVR, CORY PORTER, CRSCNT; COMP SUPT, DAVID MAGOUIRK, CRSCNT									
Daily Operations									
Operations Summary UNIVERSAL PRESSURE PUMPING COMPLETED FRAC STAGES 24-29 OF 41, CASEDHOLE SOLUTIONS COMPLETED PLUG AND PERFORATION RUN FOR STAGE 25-30 OF 41									
Planned Operations CONTINUE FRAC OPERATIONS WITH UPP FRAC AND CASEDHOLE PERFORATING , ANTICIPATE STAGES 30-35									
Time Log									
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Activity	Inactive?	Comments		Unschd Typ	NPT
05:00	06:00	1.00	1.00	INACTIVE	No	WAITING ON SIMOPS			
06:00	07:30	1.50	2.50	FRAC. JOB	No	UNIVERSAL PRESSURE PUMPING SUCCESSFULLY COMPLETED FRAC STAGE 24 OF 41			
07:30	08:30	1.00	3.50	PERFORATING	No	PLUG AND PERF STAGE 25 OF 41. PUMP DOWN @ 20 BPM WITH MAX PSI OF 3,800 TOTAL OF 173 BBLs PUMPED. PLUG SET WITH TENSION LOSS OF 190 LBS AT A DEPTH OF 11,079'. POOH. DROP BALL, READY TO FRAC.			
08:30	09:30	1.00	4.50	INACTIVE	No	WAITING ON SIM-OPS			
09:30	11:00	1.50	6.00	FRAC. JOB	No	UNIVERSAL PRESSURE PUMPING SUCCESSFULLY COMPLETED FRAC STAGE 25 OF 41 PUMPED STAGE WITH ALL FRESH WATER			
11:00	12:00	1.00	7.00	PERFORATING	Yes	PLUG AND PERF STAGE 26 OF 41. PUMP DOWN @ 20 BPM WITH MAX PSI OF 3,600 TOTAL OF 153 BBLs PUMPED. PLUG SET WITH TENSION LOSS OF 130 LBS AT A DEPTH OF 10,927'. POOH. DROP BALL, READY TO FRAC.			
12:00	12:30	0.50	7.50	GENERAL OPERATIONS	No	GREASE FRAC STACK			
12:30	13:00	0.50	8.00	INACTIVE	No	WAITING ON SIM-OPS			
13:00	14:45	1.75	9.75	FRAC. JOB	No	UNIVERSAL PRESSURE PUMPING SUCCESSFULLY COMPLETED FRAC STAGE 26 OF 41			
14:45	16:15	1.50	11.25	PERFORATING	No	PLUG AND PERF STAGE 27 OF 41. PUMP DOWN @ 20 BPM WITH MAX PSI OF 3,700 TOTAL OF 154 BBLs PUMPED. PLUG SET WITH TENSION LOSS OF 260 LBS AT A DEPTH OF 10,927'. POOH. DROP BALL, READY TO FRAC.			
16:15	16:30	0.25	11.50	INACTIVE	No	WAITING ON SIM-OPS			
16:30	18:00	1.50	13.00	FRAC. JOB	No	UNIVERSAL PRESSURE PUMPING SUCCESSFULLY COMPLETED FRAC STAGE 27 OF 41			
18:00	19:15	1.25	14.25	PERFORATING	No	PLUG AND PERF STAGE 28 OF 41. PUMP DOWN @ 20 BPM WITH MAX PSI OF 4,000 TOTAL OF 195 BBLs PUMPED. PLUG SET WITH TENSION LOSS OF 175 LBS AT A DEPTH OF 10,623'. POOH. DROP BALL, READY TO FRAC.			
19:15	20:45	1.50	15.75	INACTIVE	No	WAITING ON SIMOPS			
20:45	22:30	1.75	17.50	FRAC. JOB	No	UNIVERSAL PRESSURE PUMPING SUCCESSFULLY COMPLETED FRAC STAGE 28 OF 41			
22:30	23:45	1.25	18.75	PERFORATING	No	PLUG AND PERF STAGE 29 OF 41. PUMP DOWN @ 20 BPM WITH MAX PSI OF 4,000 TOTAL OF 159 BBLs PUMPED. PLUG SET WITH TENSION LOSS OF 200 LBS AT A DEPTH OF 10,466'. POOH. DROP BALL, READY TO FRAC.			
23:45	00:30	0.75	19.50	GENERAL OPERATIONS	No	GREASE FRAC STACK			
00:30	01:15	0.75	20.25	INACTIVE	No	WAITING ON SIMOPS			
01:15	03:00	1.75	22.00	FRAC. JOB	No	UNIVERSAL PRESSURE PUMPING SUCCESSFULLY COMPLETED FRAC STAGE 29 OF 41			
03:00	04:15	1.25	23.25	PERFORATING	No	PLUG AND PERF STAGE 30 OF 41. PUMP DOWN @ 20 BPM WITH MAX PSI OF 4,000 TOTAL OF 190 BBLs PUMPED. PLUG SET WITH TENSION LOSS OF 180 LBS AT A DEPTH OF 10,319'. POOH. DROP BALL, READY TO FRAC.			
04:15	05:00	0.75	24.00	INACTIVE	No	WAITING ON SIMOPS			
Safety Checks									
Time		Type			Inspected By		Description		
05:01		SAFETY MEETING			JUSTIN STRINGER/CLAYTON BRUNTZ		PRE JOB SAFETY MEETING		
17:00		SAFETY MEETING			CORY PORTER / DAVE MAGOUIRK		PRE JOB SAFETY MEETING		
Plug Details									
Des		Top (ftKB)	Btm (ftKB)	OD (in)	ID (in)	Run Date	Pull Date	Com	
FRAC PLUG		11,079.0	11,081.0	4 3/8		3/9/2015		STAGE 25	
FRAC PLUG		10,927.0	10,929.0	4 3/8		3/9/2015		STAGE 26	
FRAC PLUG		10,775.0	10,777.0	4 3/8		3/9/2015		STAGE 27	
FRAC PLUG		10,623.0	10,625.0	4 3/8		3/9/2015		STAGE 28	
FRAC PLUG		10,466.0	10,468.0	4 3/8		3/9/2015		STAGE 29	
FRAC PLUG		10,319.0	10,321.0	4 3/8		3/10/2015		STAGE 30	
Perforation Intervals									
Time	Zone			Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Gun Size (in)	Com	
03:42	WOLFCAMP A, ORIGINAL HOLE			10,182.0	10,183.0	6.0	3 1/8	STAGE 30	
03:42	WOLFCAMP A, ORIGINAL HOLE			10,212.0	10,213.2	6.0	3 1/8	STAGE 30	
03:42	WOLFCAMP A, ORIGINAL HOLE			10,246.0	10,247.2	6.0	3 1/8	STAGE 30	
03:42	WOLFCAMP A, ORIGINAL HOLE			10,272.0	10,273.2	6.0	3 1/8	STAGE 30	
03:42	WOLFCAMP A, ORIGINAL HOLE			10,302.0	10,303.3	6.0	3 1/8	STAGE 30	
23:15	WOLFCAMP A, ORIGINAL HOLE			10,330.0	10,334.0	6.0	3 1/8	STAGE 29	
23:15	WOLFCAMP A, ORIGINAL HOLE			10,364.0	10,365.2	6.0	3 1/8	STAGE 29	
23:15	WOLFCAMP A, ORIGINAL HOLE			10,394.0	10,395.2	6.0	3 1/8	STAGE 29	
23:15	WOLFCAMP A, ORIGINAL HOLE			10,422.0	10,423.2	6.0	3 1/8	STAGE 29	
23:15	WOLFCAMP A, ORIGINAL HOLE			10,454.0	10,454.3	6.0	3 1/8	STAGE 29	
18:46	WOLFCAMP A, ORIGINAL HOLE			10,486.0	10,487.0	6.0	3 1/8	STAGE 28	
18:46	WOLFCAMP A, ORIGINAL HOLE			10,513.0	10,514.2	6.0	3 1/8	STAGE 28	
18:46	WOLFCAMP A, ORIGINAL HOLE			10,546.0	10,547.2	6.0	3 1/8	STAGE 28	
18:46	WOLFCAMP A, ORIGINAL HOLE			10,576.0	10,577.2	6.0	3 1/8	STAGE 28	
18:46	WOLFCAMP A, ORIGINAL HOLE			10,606.0	10,607.3	6.0	3 1/8	STAGE 28	
15:30	WOLFCAMP A, ORIGINAL HOLE			10,638.0	10,639.0	6.0	3 1/8	STAGE 27	
15:30	WOLFCAMP A, ORIGINAL HOLE			10,668.0	10,669.2	6.0	3 1/8	STAGE 27	
15:30	WOLFCAMP A, ORIGINAL HOLE			10,698.0	10,699.2	6.0	3 1/8	STAGE 27	
15:30	WOLFCAMP A, ORIGINAL HOLE			10,728.0	10,729.2	6.0	3 1/8	STAGE 27	
15:30	WOLFCAMP A, ORIGINAL HOLE			10,758.0	10,759.3	6.0	3 1/8	STAGE 27	
11:30	WOLFCAMP A, ORIGINAL HOLE			10,790.0	10,791.0	6.0	3 1/8	STAGE 26	
11:30	WOLFCAMP A, ORIGINAL HOLE			10,820.0	10,821.2	6.0	3 1/8	STAGE 26	
11:30	WOLFCAMP A, ORIGINAL HOLE			10,850.0	10,851.2	6.0	3 1/8	STAGE 26	
11:30	WOLFCAMP A, ORIGINAL HOLE			10,880.0	10,881.2	6.0	3 1/8	STAGE 26	
11:30	WOLFCAMP A, ORIGINAL HOLE			10,910.0	10,911.3	6.0	3 1/8	STAGE 26	
08:15	WOLFCAMP A, ORIGINAL HOLE			10,942.0	10,943.0	6.0	3 1/8	STAGE 25	
08:15	WOLFCAMP A, ORIGINAL HOLE			10,972.0	10,973.2	6.0	3 1/8	STAGE 25	
08:15	WOLFCAMP A, ORIGINAL HOLE			11,002.0	11,003.2	6.0	3 1/8	STAGE 25	
08:15	WOLFCAMP A, ORIGINAL HOLE			11,032.0	11,033.2	6.0	3 1/8	STAGE 25	
08:15	WOLFCAMP A, ORIGINAL HOLE			11,062.0	11,063.3	6.0	3 1/8	STAGE 25	



UNIVERSITY 09 0806H
AEPB WELL NO. 32

Report Date	3/10/2015
AFE #	DV02085
Total AFE	4,497,200

Stimulations & Treatments

STAGE 24 - HYDRAULIC FRAC on 3/9/2015 06:03

Date 3/9/2015	Type HYDRAULIC FRAC	Zone WOLFCAMP A, ORIGINAL HOLE				Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC			Comment TRACERS FFI-800 STAGES 22-31.				
P Pre SI (psi) 1,240.0	ISIP (psi) 2,627.0	P Post SI (psi) 2,177.0	5 min SI (psi) 2012	10 min SI (psi)	15 min SI (psi)	P Break (psi) 3,311.0	BD Rate (bbl... 10	Q Treat Min... 75	Q Treat Max... 76	Q Treat Avg... 75	Avg Treat Pr... 5,515.9	Proppant De... 245,000	Prop Placed... 252,580
Max Treat Pressure (psi) 6,301.0			Avg Treat Pressure (psi) 5,515.9			Max Treat Rate (bbl/min) 76			Avg Treat Rate (bbl/min) 75			V clean+slurry (bbl) 5291.26	
Total Add Amount 7.5 % HCL HYDROCHLORIC ACID 2016 gal; ACID CORROSION INHIBITOR CIA-5 6 gal; ACID IRON CONTROL IR-1 6 gal; ACID SURFACTANT NE-1 2 gal; BIO 15-G 67 gal; FFI 800 11 gal; PROPPANT 100 MESH 33120 lb; PROPPANT 40/70 WHITE 219460 lb; WFR-5 191 gal													

STAGE 25 - HYDRAULIC FRAC on 3/9/2015 09:29

Date 3/9/2015	Type HYDRAULIC FRAC	Zone WOLFCAMP A, ORIGINAL HOLE				Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC			Comment TRACERS FFI-800 STAGES 22-31.				
P Pre SI (psi) 1,357.0	ISIP (psi) 2,809.0	P Post SI (psi) 2,250.0	5 min SI (psi) 2133	10 min SI (psi)	15 min SI (psi)	P Break (psi) 2,747.0	BD Rate (bbl... 10	Q Treat Min... 75	Q Treat Max... 75	Q Treat Avg... 75	Avg Treat Pr... 5,362.4	Proppant De... 245,000	Prop Placed... 250,960
Max Treat Pressure (psi) 5,821.0			Avg Treat Pressure (psi) 5,362.4			Max Treat Rate (bbl/min) 75			Avg Treat Rate (bbl/min) 75			V clean+slurry (bbl) 5309.26	
Total Add Amount 7.5 % HCL HYDROCHLORIC ACID 2016 gal; ACID CORROSION INHIBITOR CIA-5 6 gal; ACID IRON CONTROL IR-1 6 gal; ACID SURFACTANT NE-1 2 gal; BIO 15-G 72 gal; FFI 800 11 gal; PROPPANT 100 MESH 34100 lb; PROPPANT 40/70 WHITE 216020 lb; WFR-5 131 gal													

STAGE 26 - HYDRAULIC FRAC on 3/9/2015 13:19

Date 3/9/2015	Type HYDRAULIC FRAC	Zone WOLFCAMP A, ORIGINAL HOLE				Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC			Comment TRACERS FFI-800 STAGES 22-31.				
P Pre SI (psi) 1,271.0	ISIP (psi) 2,946.0	P Post SI (psi) 2,272.0	5 min SI (psi) 2360	10 min SI (psi)	15 min SI (psi)	P Break (psi) 2,579.0	BD Rate (bbl... 10	Q Treat Min... 70	Q Treat Max... 76	Q Treat Avg... 74	Avg Treat Pr... 5,514.3	Proppant De... 245,000	Prop Placed... 249,960
Max Treat Pressure (psi) 5,887.0			Avg Treat Pressure (psi) 5,514.3			Max Treat Rate (bbl/min) 76			Avg Treat Rate (bbl/min) 74			V clean+slurry (bbl) 5250.26	
Total Add Amount 7.5 % HCL HYDROCHLORIC ACID 2016 gal; ACID CORROSION INHIBITOR CIA-5 6 gal; ACID IRON CONTROL IR-1 6 gal; ACID SURFACTANT NE-1 2 gal; BIO 15-G 68 gal; FFI 800 11 gal; PROPPANT 100 MESH 33940 lb; PROPPANT 40/70 WHITE 216020 lb; WFR-5 175 gal													

STAGE 27 - HYDRAULIC FRAC on 3/9/2015 16:29

Date 3/9/2015	Type HYDRAULIC FRAC	Zone WOLFCAMP A, ORIGINAL HOLE				Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC			Comment TRACERS FFI-800 STAGES 22-31.				
P Pre SI (psi) 1,555.0	ISIP (psi) 2,795.0	P Post SI (psi) 2,295.0	5 min SI (psi) 2120	10 min SI (psi)	15 min SI (psi)	P Break (psi) 3,022.0	BD Rate (bbl... 10	Q Treat Min... 75	Q Treat Max... 76	Q Treat Avg... 76	Avg Treat Pr... 5,445.6	Proppant De... 245,000	Prop Placed... 252,160
Max Treat Pressure (psi) 5,951.0			Avg Treat Pressure (psi) 5,445.6			Max Treat Rate (bbl/min) 76			Avg Treat Rate (bbl/min) 76			V clean+slurry (bbl) 5220.26	
Total Add Amount 7.5 % HCL HYDROCHLORIC ACID 2016 gal; ACID CORROSION INHIBITOR CIA-5 6 gal; ACID IRON CONTROL IR-1 6 gal; ACID SURFACTANT NE-1 2 gal; BIO 15-G 67 gal; FFI 800 11 gal; PROPPANT 100 MESH 34080 lb; PROPPANT 40/70 WHITE 215080 lb; WFR-5 153 gal													

STAGE 28 - HYDRAULIC FRAC on 3/9/2015 20:52

Date 3/9/2015	Type HYDRAULIC FRAC	Zone WOLFCAMP A, ORIGINAL HOLE				Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC			Comment TRACERS FFI-800 STAGES 22-31.				
P Pre SI (psi) 1,390.0	ISIP (psi) 2,926.0	P Post SI (psi) 2,315.0	5 min SI (psi) 2169	10 min SI (psi)	15 min SI (psi)	P Break (psi) 2,929.0	BD Rate (bbl... 10	Q Treat Min... 75	Q Treat Max... 76	Q Treat Avg... 75	Avg Treat Pr... 5,408.4	Proppant De... 245,000	Prop Placed... 250,380
Max Treat Pressure (psi) 5,926.0			Avg Treat Pressure (psi) 5,408.4			Max Treat Rate (bbl/min) 76			Avg Treat Rate (bbl/min) 75			V clean+slurry (bbl) 5254.26	
Total Add Amount 7.5 % HCL HYDROCHLORIC ACID 2016 gal; ACID CORROSION INHIBITOR CIA-5 6 gal; ACID IRON CONTROL IR-1 6 gal; ACID SURFACTANT NE-1 2 gal; BIO 15-G 76 gal; FFI 800 11 gal; PROPPANT 100 MESH 34040 lb; PROPPANT 40/70 WHITE 216340 lb; WFR-5 152 gal													

STAGE 29 - HYDRAULIC FRAC on 3/10/2015 01:10

Date 3/10/2015	Type HYDRAULIC FRAC	Zone WOLFCAMP A, ORIGINAL HOLE				Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC			Comment TRACERS FFI-800 STAGES 22-31. ONLY FRESH WATER , PRODUCED WATER TO LOW IN THE STORAGE TANK TO PULL FROM				
P Pre SI (psi) 1,656.0	ISIP (psi) 3,017.0	P Post SI (psi) 2,603.0	5 min SI (psi) 2310	10 min SI (psi)	15 min SI (psi)	P Break (psi) 3,057.0	BD Rate (bbl... 10	Q Treat Min... 75	Q Treat Max... 75	Q Treat Avg... 75	Avg Treat Pr... 5,803.9	Proppant De... 245,000	Prop Placed... 254,720
Max Treat Pressure (psi) 6,102.0			Avg Treat Pressure (psi) 5,803.9			Max Treat Rate (bbl/min) 75			Avg Treat Rate (bbl/min) 75			V clean+slurry (bbl) 5249.26	
Total Add Amount 7.5 % HCL HYDROCHLORIC ACID 2016 gal; ACID CORROSION INHIBITOR CIA-5 6 gal; ACID IRON CONTROL IR-1 6 gal; ACID SURFACTANT NE-1 2 gal; BIO 15-G 72 gal; FFI 800 11 gal; PROPPANT 100 MESH 34000 lb; PROPPANT 40/70 WHITE 220720 lb; WFR-5 150 gal													



AMERICAN ENERGY - PERMIAN BASIN, LLC
Daily Completion Report

Report Date 3/11/2015
AFE # DV02085
Total AFE 4,497,200

AMERICAN ENERGY
PARTNERS

UNIVERSITY 09 0806H
AEPB WELL NO. 32

API 42383392020000	State TEXAS	County REAGAN	Well Config HORIZONTAL	Ground Elevation (ft) 2,671.00	RKB (ft) 30.00	Well Status COMPLETION	Well Sub-Status COMPLETING	Completion Date	
Job Information									
Job Category COMPLETION		Primary Job Type COMPLETION - ORIGINAL			Secondary Job Type		Start Date 1/30/2015	End Date	
AFE Number DV02085		Supplemental AFE Number			Daily Field Est (Cost) 316,197		Cum Field Est (Cost) 2,461,899		
Number of Stages (ft) 41		Lateral Length (ft) 7,138			Time Since LTI (days)		Time Since Reportable Incident (days)		
Daily Contacts									
Contacts COMP SUP, TIM DENNING, CRSCNT; COMP SUPVR, SHAWN WITHERINGTON, CRSCNT; COMP SUPER, JIMMY MOORE, LOOP; COMP SUP, RANDY HAGEN, LOOP									
Daily Operations									
Operations Summary UNIVERSAL PRESSURE PUMPING COMPLETED FRAC STAGES 30-35 OF 41, CASEDHOLE SOLUTIONS COMPLETED PLUG AND PERFORATION RUN FOR STAGE 31-36 OF 41									
Planned Operations CONTINUE FRAC OPERATIONS WITH UPP FRAC AND CASEDHOLE PERFORATING , ANTICIPATE STAGES 37-41									
Time Log									
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Activity	Inactive?	Comments		Unschd Typ	NPT
05:00	05:30	0.50	0.50	INACTIVE	No	WAIT ON SIMOPS			
05:30	06:45	1.25	1.75	FRAC. JOB	No	UNIVERSAL PRESSURE PUMPING SUCCESSFULLY COMPLETED FRAC STAGE 30 OF 41			
06:45	08:00	1.25	3.00	PERFORATING	No	PLUG AND PERF STAGE 31 OF 41. PUMP DOWN @ 20 BPM WITH MAX PSI OF 3,800 TOTAL OF 110 BBLS PUMPED. PLUG SET WITH TENSION LOSS OF 90 LBS AT A DEPTH OF 10,167'. POOH. DROP BALL, READY TO FRAC.			
08:00	08:30	0.50	3.50	INACTIVE	No	WAIT ON SIMOPS			
08:30	10:00	1.50	5.00	FRAC. JOB	No	UNIVERSAL PRESSURE PUMPING SUCCESSFULLY COMPLETED FRAC STAGE 31 OF 41			
10:00	11:15	1.25	6.25	PERFORATING	No	PLUG AND PERF STAGE 32 OF 41. PUMP DOWN @ 20 BPM WITH MAX PSI OF 3,800 TOTAL OF 111 BBLS PUMPED. PLUG SET WITH TENSION LOSS OF 200 LBS AT A DEPTH OF 10,010'. POOH. DROP BALL, READY TO FRAC.			
11:15	11:45	0.50	6.75	GENERAL OPERATIONS	No	GREASE FRAC STACK			
11:45	14:00	2.25	9.00	INACTIVE	No	WAIT ON SIMOPS			
14:00	15:30	1.50	10.50	FRAC. JOB	No	UNIVERSAL PRESSURE PUMPING SUCCESSFULLY COMPLETED FRAC STAGE 32 OF 41			
15:30	16:45	1.25	11.75	PERFORATING	No	PLUG AND PERF STAGE 33 OF 41. PUMP DOWN @ 20 BPM WITH MAX PSI OF 4,000 TOTAL OF 102 BBLS PUMPED. PLUG SET WITH TENSION LOSS OF 162 LBS AT A DEPTH OF 9,863'. POOH. DROP BALL, READY TO FRAC.			
16:45	17:45	1.00	12.75	INACTIVE	No	WAIT ON SIMOPS			
17:45	19:15	1.50	14.25	FRAC. JOB	No	UNIVERSAL PRESSURE PUMPING SUCCESSFULLY COMPLETED FRAC STAGE 33 OF 41			
19:15	20:30	1.25	15.50	PERFORATING	No	PLUG AND PERF STAGE 34 OF 41. PUMP DOWN @ 20 BPM WITH MAX PSI OF 4,000 TOTAL OF 107 BBLS PUMPED. PLUG SET WITH TENSION LOSS OF 170 LBS AT A DEPTH OF 9,711'. POOH. DROP BALL, READY TO FRAC.			
20:30	21:00	0.50	16.00	INACTIVE	No	WAITING ON SIMOPS			
21:00	22:30	1.50	17.50	FRAC. JOB	No	UNIVERSAL PRESSURE PUMPING SUCCESSFULLY COMPLETED FRAC STAGE 34 OF 41. CUT OUT ACID STAGE			
22:30	23:30	1.00	18.50	PERFORATING	No	PLUG AND PERF STAGE 35 OF 41. PUMP DOWN @ 20 BPM WITH MAX PSI OF 3700 TOTAL OF 118 BBLS PUMPED. PLUG SET WITH TENSION LOSS OF 150 LBS AT A DEPTH OF 9557'. POOH. DROP BALL, READY TO FRAC.			
23:30	00:00	0.50	19.00	GENERAL OPERATIONS	No	GREASE FRAC STACK			
00:00	01:15	1.25	20.25	INACTIVE	No	WAITING ON SIMOPS			
01:15	02:45	1.50	21.75	FRAC. JOB	No	UNIVERSAL PRESSURE PUMPING SUCCESSFULLY COMPLETED FRAC STAGE 35 OF 41. CUT OUT ACID STAGE			
02:45	03:45	1.00	22.75	PERFORATING	No	PLUG AND PERF STAGE 36 OF 41. PUMP DOWN @ 20 BPM WITH MAX PSI OF 4000 TOTAL OF 109 BBLS PUMPED. PLUG SET WITH TENSION LOSS OF 195 LBS AT A DEPTH OF 9407'. POOH. DROP BALL, READY TO FRAC.			
03:45	04:45	1.00	23.75	INACTIVE	No	WAIT ON SIMOPS			
04:45	05:00	0.25	24.00	FRAC. JOB	No	CONTINUE ONTO NEXT DAY			
Safety Checks									
Time		Type			Inspected By		Description		
05:01		SAFETY MEETING			TIM DENNING / SHAWN WITHERINGTON		PRE JOB SAFETY MEETING		
17:00		SAFETY MEETING			JIMMY MOORE/RANDY HAGEN		PRE JOB SAFETY MEETING		
Plug Details									
Des		Top (ftKB)	Btm (ftKB)	OD (in)	ID (in)	Run Date	Pull Date	Com	
FRAC PLUG		10,167.0	10,169.0	4 3/8		3/10/2015		STAGE 31	
FRAC PLUG		10,010.0	10,012.0	4 3/8		3/10/2015		STAGE 32	
FRAC PLUG		9,863.0	9,865.0	4 3/8		3/10/2015		STAGE 33	
FRAC PLUG		9,711.0	9,713.0	4 3/8		3/10/2015		STAGE 34	
FRAC PLUG		9,557.0	9,559.0	4 3/8		3/10/2015		STAGE 35	
FRAC PLUG		9,407.0	9,409.0	4 3/8		3/11/2015		STAGE 36	
Perforation Intervals									
Time	Zone			Top (ftKB)	Btm (ftKB)		Shot Dens (shots/ft)	Gun Size (in)	Com
02:50	WOLFCAMP A, ORIGINAL HOLE			9,270.0	9,271.0		6.0	3 1/8	STAGE 36
02:50	WOLFCAMP A, ORIGINAL HOLE			9,300.0	9,301.2		6.0	3 1/8	STAGE 36
02:50	WOLFCAMP A, ORIGINAL HOLE			9,330.0	9,331.2		6.0	3 1/8	STAGE 36
02:50	WOLFCAMP A, ORIGINAL HOLE			9,360.0	9,361.2		6.0	3 1/8	STAGE 36
02:50	WOLFCAMP A, ORIGINAL HOLE			9,390.0	9,391.3		6.0	3 1/8	STAGE 36
22:30	WOLFCAMP A, ORIGINAL HOLE			9,422.0	9,423.0		6.0	3 1/8	STAGE 35
22:30	WOLFCAMP A, ORIGINAL HOLE			9,452.0	9,453.2		6.0	3 1/8	STAGE 35
22:30	WOLFCAMP A, ORIGINAL HOLE			9,482.0	9,483.2		6.0	3 1/8	STAGE 35
22:30	WOLFCAMP A, ORIGINAL HOLE			9,512.0	9,513.2		6.0	3 1/8	STAGE 35
22:30	WOLFCAMP A, ORIGINAL HOLE			9,542.0	9,543.3		6.0	3 1/8	STAGE 35
19:05	WOLFCAMP A, ORIGINAL HOLE			9,547.0	9,548.0		6.0	3 1/8	STAGE 34
19:05	WOLFCAMP A, ORIGINAL HOLE			9,603.0	9,604.2		6.0	3 1/8	STAGE 34
19:05	WOLFCAMP A, ORIGINAL HOLE			9,634.0	9,635.2		6.0	3 1/8	STAGE 34
19:05	WOLFCAMP A, ORIGINAL HOLE			9,664.0	9,665.2		6.0	3 1/8	STAGE 34
19:05	WOLFCAMP A, ORIGINAL HOLE			9,693.0	9,694.3		6.0	3 1/8	STAGE 34
16:14	WOLFCAMP A, ORIGINAL HOLE			9,726.0	9,727.0		6.0	3 1/8	STAGE 33
16:14	WOLFCAMP A, ORIGINAL HOLE			9,756.0	9,757.2		6.0	3 1/8	STAGE 33
16:14	WOLFCAMP A, ORIGINAL HOLE			9,785.0	9,786.2		6.0	3 1/8	STAGE 33
16:14	WOLFCAMP A, ORIGINAL HOLE			9,816.0	9,817.2		6.0	3 1/8	STAGE 33
16:14	WOLFCAMP A, ORIGINAL HOLE			9,846.0	9,847.3		6.0	3 1/8	STAGE 33
10:43	WOLFCAMP A, ORIGINAL HOLE			9,877.0	9,878.0		6.0	3 1/8	STAGE 32
10:43	WOLFCAMP A, ORIGINAL HOLE			9,908.0	9,909.2		6.0	3 1/8	STAGE 32
10:43	WOLFCAMP A, ORIGINAL HOLE			9,938.0	9,939.2		6.0	3 1/8	STAGE 32
10:43	WOLFCAMP A, ORIGINAL HOLE			9,966.0	9,967.2		6.0	3 1/8	STAGE 32
10:43	WOLFCAMP A, ORIGINAL HOLE			9,995.0	9,996.3		6.0	3 1/8	STAGE 32
07:31	WOLFCAMP A, ORIGINAL HOLE			10,030.0	10,031.0		6.0	3 1/8	STAGE 31
07:31	WOLFCAMP A, ORIGINAL HOLE			10,056.0	10,057.2		6.0	3 1/8	STAGE 31
07:31	WOLFCAMP A, ORIGINAL HOLE			10,090.0	10,091.2		6.0	3 1/8	STAGE 31
07:31	WOLFCAMP A, ORIGINAL HOLE			10,120.0	10,121.2		6.0	3 1/8	STAGE 31
07:31	WOLFCAMP A, ORIGINAL HOLE			10,147.0	10,148.3		6.0	3 1/8	STAGE 31

Stimulations & Treatments

STAGE 30 - HYDRAULIC FRAC on 3/10/2015 05:23

Date 3/10/2015	Type HYDRAULIC FRAC	Zone WOLFCAMP A, ORIGINAL HOLE				Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC			Comment TRACERS FFI-800 STAGES 22-31. ONLY FRESH WATER , PRODUCED WATER TO LOW IN THE STORAGE TANK TO PULL FROM					
P Pre SI (psi) 1,399.0	ISIP (psi) 2,844.0	P Post SI (psi) 2,420.0	5 min SI (psi) 2399	10 min SI (psi)	15 min SI (psi)	P Break (psi) 2,507.0	BD Rate (bbl... 10	Q Treat Min... 75	Q Treat Max... 75	Q Treat Avg... 75	Avg Treat Pr... 5,821.0	Proppant De... 245,000	Prop Placed... 251,360	
Max Treat Pressure (psi) 6,203.0			Avg Treat Pressure (psi) 5,821.0			Max Treat Rate (bbl/min) 75			Avg Treat Rate (bbl/min) 75			V clean+slurry (bbl) 5162.26		
Total Add Amount 7.5 % HCL HYDROCHLORIC ACID 2016 gal; ACID CORROSION INHIBITOR CIA-5 6 gal; ACID IRON CONTROL IR-1 6 gal; ACID SURFACTANT NE-1 2 gal; BIO 15-G 66 gal; FFI 800 11 gal; PROPPANT 100 MESH 34100 lb; PROPPANT 40/70 WHITE 217260 lb; WFR-5 148 gal														

STAGE 31 - HYDRAULIC FRAC on 3/10/2015 08:38

Date 3/10/2015	Type HYDRAULIC FRAC	Zone WOLFCAMP A, ORIGINAL HOLE				Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC			Comment TRACERS FFI-800 STAGES 22-31. ONLY FRESH WATER , PRODUCED WATER TO LOW IN THE STORAGE TANK TO PULL FROM					
P Pre SI (psi) 1,565.0	ISIP (psi) 2,751.0	P Post SI (psi) 2,336.0	5 min SI (psi) 2355	10 min SI (psi)	15 min SI (psi)	P Break (psi) 3,579.0	BD Rate (bbl... 10	Q Treat Min... 70	Q Treat Max... 76	Q Treat Avg... 75	Avg Treat Pr... 5,921.0	Proppant De... 245,000	Prop Placed... 249,720	
Max Treat Pressure (psi) 6,370.0			Avg Treat Pressure (psi) 5,921.0			Max Treat Rate (bbl/min) 76			Avg Treat Rate (bbl/min) 75			V clean+slurry (bbl) 5184.26		
Total Add Amount 7.5 % HCL HYDROCHLORIC ACID 2016 gal; ACID CORROSION INHIBITOR CIA-5 6 gal; ACID IRON CONTROL IR-1 6 gal; ACID SURFACTANT NE-1 2 gal; BIO 15-G 61 gal; FFI 800 11 gal; PROPPANT 100 MESH 34080 lb; PROPPANT 40/70 WHITE 215640 lb; WFR-5 140 gal														

STAGE 32 - HYDRAULIC FRAC on 3/10/2015 14:00

Date 3/10/2015	Type HYDRAULIC FRAC	Zone WOLFCAMP A, ORIGINAL HOLE				Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC			Comment TRACERS FFI-2300 STAGES 32-41. ONLY FRESH WATER , PRODUCED WATER TO LOW IN THE STORAGE TANK TO PULL FROM					
P Pre SI (psi) 1,437.0	ISIP (psi) 2,833.0	P Post SI (psi) 2,648.0	5 min SI (psi) 2219	10 min SI (psi)	15 min SI (psi)	P Break (psi) 3,679.0	BD Rate (bbl... 10	Q Treat Min... 75	Q Treat Max... 76	Q Treat Avg... 75	Avg Treat Pr... 5,633.0	Proppant De... 245,000	Prop Placed... 250,100	
Max Treat Pressure (psi) 5,871.0			Avg Treat Pressure (psi) 5,633.0			Max Treat Rate (bbl/min) 76			Avg Treat Rate (bbl/min) 75			V clean+slurry (bbl) 5200.26		
Total Add Amount 7.5 % HCL HYDROCHLORIC ACID 2016 gal; ACID CORROSION INHIBITOR CIA-5 6 gal; ACID IRON CONTROL IR-1 6 gal; ACID SURFACTANT NE-1 2 gal; BIO 15-G 61 gal; FFI 800 11 gal; PROPPANT 100 MESH 34360 lb; PROPPANT 40/70 WHITE 215740 lb; WFR-5 140 gal														

STAGE 33 - HYDRAULIC FRAC on 3/10/2015 17:27

Date 3/10/2015	Type HYDRAULIC FRAC	Zone WOLFCAMP A, ORIGINAL HOLE				Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC			Comment TRACERS FFI-2300 STAGES 32-41.					
P Pre SI (psi) 1,481.0	ISIP (psi) 2,808.0	P Post SI (psi) 2,435.0	5 min SI (psi) 2196	10 min SI (psi)	15 min SI (psi)	P Break (psi) 3,149.0	BD Rate (bbl... 10	Q Treat Min... 75	Q Treat Max... 76	Q Treat Avg... 75	Avg Treat Pr... 5,308.0	Proppant De... 245,000	Prop Placed... 249,100	
Max Treat Pressure (psi) 5,626.0			Avg Treat Pressure (psi) 5,308.0			Max Treat Rate (bbl/min) 76			Avg Treat Rate (bbl/min) 75			V clean+slurry (bbl) 5324.26		
Total Add Amount 7.5 % HCL HYDROCHLORIC ACID 2016 gal; ACID CORROSION INHIBITOR CIA-5 6 gal; ACID IRON CONTROL IR-1 6 gal; ACID SURFACTANT NE-1 2 gal; BIO 15-G 53 gal; FFI 800 11 gal; PROPPANT 100 MESH 34280 lb; PROPPANT 40/70 WHITE 214820 lb; WFR-5 139 gal														

STAGE 34 - HYDRAULIC FRAC on 3/10/2015 20:55

Date 3/10/2015	Type HYDRAULIC FRAC	Zone WOLFCAMP A, ORIGINAL HOLE				Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC			Comment TRACERS FFI-2300 STAGES 32-41. CUT OUT ACID STAGE					
P Pre SI (psi) 1,450.0	ISIP (psi) 2,739.0	P Post SI (psi) 2,380.0	5 min SI (psi) 2210	10 min SI (psi)	15 min SI (psi)	P Break (psi) 3,761.0	BD Rate (bbl... 10	Q Treat Min... 74	Q Treat Max... 76	Q Treat Avg... 75	Avg Treat Pr... 5,556.0	Proppant De... 245,000	Prop Placed... 249,380	
Max Treat Pressure (psi) 6,023.0			Avg Treat Pressure (psi) 5,556.0			Max Treat Rate (bbl/min) 76			Avg Treat Rate (bbl/min) 75			V clean+slurry (bbl) 4980.26		
Total Add Amount 7.5 % HCL HYDROCHLORIC ACID 0 gal; ACID CORROSION INHIBITOR CIA-5 0 gal; ACID IRON CONTROL IR-1 0 gal; ACID SURFACTANT NE-1 0 gal; BIO 15-G 67 gal; FFI 800 11 gal; PROPPANT 100 MESH 33980 lb; PROPPANT 40/70 WHITE 215080 lb; WFR-5 167 gal														

STAGE 35 - HYDRAULIC FRAC on 3/11/2015 01:20

Date 3/11/2015	Type HYDRAULIC FRAC	Zone WOLFCAMP A, ORIGINAL HOLE				Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC			Comment TRACERS FFI-2300 STAGES 32-41. CUT OUT ACID STAGE					
P Pre SI (psi) 1,394.0	ISIP (psi) 2,753.0	P Post SI (psi) 2,488.0	5 min SI (psi) 2275	10 min SI (psi)	15 min SI (psi)	P Break (psi) 3,209.0	BD Rate (bbl... 10	Q Treat Min... 72	Q Treat Max... 74	Q Treat Avg... 74	Avg Treat Pr... 5,398.0	Proppant De... 245,000	Prop Placed... 244,840	
Max Treat Pressure (psi) 5,910.0			Avg Treat Pressure (psi) 5,398.0			Max Treat Rate (bbl/min) 74			Avg Treat Rate (bbl/min) 74			V clean+slurry (bbl) 4968.26		
Total Add Amount 7.5 % HCL HYDROCHLORIC ACID 0 gal; ACID CORROSION INHIBITOR CIA-5 0 gal; ACID IRON CONTROL IR-1 0 gal; ACID SURFACTANT NE-1 0 gal; BIO 15-G 61 gal; FFI 800 11 gal; PROPPANT 100 MESH 33980 lb; PROPPANT 40/70 WHITE 210860 lb; WFR-5 140 gal														

STAGE 36 - HYDRAULIC FRAC on 3/11/2015 04:28

Date 3/11/2015	Type HYDRAULIC FRAC	Zone WOLFCAMP A, ORIGINAL HOLE				Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC			Comment TRACERS FFI-2300 STAGES 32-41. CUT OUT ACID STAGE					
P Pre SI (psi) 1,501.0	ISIP (psi) 2,702.0	P Post SI (psi) 2,228.0	5 min SI (psi) 2000	10 min SI (psi)	15 min SI (psi)	P Break (psi) 2,603.0	BD Rate (bbl... 10	Q Treat Min... 74	Q Treat Max... 75	Q Treat Avg... 74	Avg Treat Pr... 5,095.0	Proppant De... 245,000	Prop Placed... 250,000	
Max Treat Pressure (psi) 5,743.0			Avg Treat Pressure (psi) 5,095.0			Max Treat Rate (bbl/min) 75			Avg Treat Rate (bbl/min) 74			V clean+slurry (bbl) 5091.26		
Total Add Amount 7.5 % HCL HYDROCHLORIC ACID 0 gal; ACID CORROSION INHIBITOR CIA-5 0 gal; ACID IRON CONTROL IR-1 0 gal; ACID SURFACTANT NE-1 0 gal; BIO 15-G 63 gal; FFI 800 11 gal; PROPPANT 100 MESH 34000 lb; PROPPANT 40/70 WHITE 216000 lb; WFR-5 157 gal														



AMERICAN ENERGY - PERMIAN BASIN, LLC
Daily Completion Report

Report Date 3/12/2015
AFE # DV02085
Total AFE 4,497,200

AMERICAN ENERGY
PARTNERS

UNIVERSITY 09 0806H
AEPB WELL NO. 32

API 42383392020000	State TEXAS	County REAGAN	Well Config HORIZONTAL	Ground Elevation (ft) 2,671.00	RKB (ft) 30.00	Well Status COMPLETION	Well Sub-Status COMPLETING	Completion Date	
Job Information									
Job Category COMPLETION		Primary Job Type COMPLETION - ORIGINAL			Secondary Job Type		Start Date 1/30/2015	End Date	
AFE Number DV02085		Supplemental AFE Number			Daily Field Est (Cost) 297,198		Cum Field Est (Cost) 2,734,825		
Number of Stages (ft) 41		Lateral Length (ft) 7,138			Time Since LTI (days)		Time Since Reportable Incident (days)		
Daily Contacts									
Contacts COMP SUP, TIM DENNING, CRSCNT; COMP SUPVR, SHAWN WITHERINGTON, CRSCNT; COMP SUPER, JIMMY MOORE, LOOP; COMP SUP, RANDY HAGEN, LOOP									
Daily Operations									
Operations Summary UNIVERSAL PRESSURE PUMPING COMPLETED FRAC STAGES 36-41 OF 41, CASEDHOLE SOLUTIONS COMPLETED PLUG AND PERFORATION RUN FOR STAGE 37-41 OF 41									
Planned Operations RDMO EQUIPMENT, PREP TO MIRU CT FOR DRL OUT.									
Time Log									
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Activity	Inactive?	Comments		Unschd Typ	NPT
05:00	05:45	0.75	0.75	FRAC. JOB	No	UNIVERSAL PRESSURE PUMPING SUCCESSFULLY COMPLETED FRAC STAGE 36 OF 41. CUT OUT ACID STAGE			
05:45	07:00	1.25	2.00	PERFORATING	No	PLUG AND PERF STAGE 37 OF 41. PUMP DOWN @ 20 BPM WITH MAX PSI OF 4100 TOTAL OF 98 BBLs PUMPED. PLUG SET WITH TENSION LOSS OF 120 LBS AT A DEPTH OF 9255'. POOH. DROP BALL, READY TO FRAC.			
07:00	07:30	0.50	2.50	DOWNTIME	No	WAITING ON SAND DELIVERY			Yes
07:30	09:00	1.50	4.00	FRAC. JOB	No	UNIVERSAL PRESSURE PUMPING SUCCESSFULLY COMPLETED FRAC STAGE 37 OF 41. CUT OUT ACID STAGE			
09:00	10:15	1.25	5.25	PERFORATING	No	PLUG AND PERF STAGE 38 OF 41. PUMP DOWN @ 20 BPM WITH MAX PSI OF 4000 TOTAL OF 79 BBLs PUMPED. PLUG SET WITH TENSION LOSS OF 185 LBS AT A DEPTH OF 9103'. POOH. DROP BALL, READY TO FRAC.			
10:15	10:30	0.25	5.50	INACTIVE	No	WAITING ON SIMOPS			
10:30	11:45	1.25	6.75	FRAC. JOB	No	UNIVERSAL PRESSURE PUMPING SUCCESSFULLY COMPLETED FRAC STAGE 38 OF 41. CUT OUT ACID STAGE			
11:45	13:00	1.25	8.00	PERFORATING	No	PLUG AND PERF STAGE 39 OF 41. PUMP DOWN @ 20 BPM WITH MAX PSI OF 3900 TOTAL OF 65 BBLs PUMPED. PLUG SET WITH TENSION LOSS OF 95 LBS AT A DEPTH OF 8951'. POOH. DROP BALL, READY TO FRAC.			
13:00	13:30	0.50	8.50	GENERAL OPERATIONS	No	GREASE FRAC STACK AND MANIFOLD			
13:30	14:00	0.50	9.00	INACTIVE	No	WAITING ON SIMOPS			
14:00	15:15	1.25	10.25	FRAC. JOB	No	UNIVERSAL PRESSURE PUMPING SUCCESSFULLY COMPLETED FRAC STAGE 39 OF 41. CUT OUT ACID STAGE			
15:15	16:30	1.25	11.50	PERFORATING	No	PLUG AND PERF STAGE 40 OF 41. PUMP DOWN @ 20 BPM WITH MAX PSI OF 3900 TOTAL OF 50 BBLs PUMPED. PLUG SET WITH TENSION LOSS OF 130 LBS AT A DEPTH OF 8789'. POOH. DROP BALL, READY TO FRAC.			
16:30	17:00	0.50	12.00	INACTIVE	No	WAITING ON SIMOPS			
17:00	18:30	1.50	13.50	FRAC. JOB	No	UNIVERSAL PRESSURE PUMPING SUCCESSFULLY COMPLETED FRAC STAGE 40 OF 41. CUT OUT ACID STAGE			
18:30	19:30	1.00	14.50	PERFORATING	No	PLUG AND PERF STAGE 41 OF 41. PUMP DOWN @ 20 BPM WITH MAX PSI OF 4200 TOTAL OF 65 BBLs PUMPED. PLUG SET WITH TENSION LOSS OF 25 LBS AT A DEPTH OF 8647'. POOH. DROP BALL, READY TO FRAC.			
19:30	20:00	0.50	15.00	INACTIVE	No	WAIT ON SIMOPS			
20:00	22:30	2.50	17.50	DOWNTIME	No	WAIT ON SAND TO ARRIVE TO BEGIN STAGE.			Yes
22:30	00:00	1.50	19.00	FRAC. JOB	No	UNIVERSAL PRESSURE PUMPING SUCCESSFULLY COMPLETED FRAC STAGE 41 OF 41. CUT OUT ACID STAGE			
00:00	01:30	1.50	20.50	GENERAL OPERATIONS	No	SI LOWER MASTER VALVES, BLEED OFFSTART RD AFTER LAST STG ON THE 811.			
01:30	05:00	3.50	24.00	RIG UP/DOWN	No	BEGIN RIG DOWN. RDMO 3RD PARTIES.			
NPT									
Type	SubType	Des			Start Date	End Date	Failed Item	Accountable Party	Dur (hr)
MATERIALS	PROPPANT	WAITING ON SAND TO OFFLOAD			3/11/2015 20:00	3/11/2015 22:30		UNIVERSAL PRESSURE PUMPING INC	2.50
MATERIALS	PROPPANT	WAITING ON SAND DELIVERY			3/11/2015 07:00	3/11/2015 07:30		UNIVERSAL PRESSURE PUMPING INC	0.50
Safety Checks									
Time	Type			Inspected By			Description		
05:01	SAFETY MEETING			TIM DENNING / SHAWN WITHERINGTON			PRE JOB SAFETY MEETING		
17:00	SAFETY MEETING			JIMMY MOORE/RANDY HAGEN			PRE JOB SAFETY MEETING		
Plug Details									
Des		Top (ftKB)	Btm (ftKB)	OD (in)	ID (in)	Run Date	Pull Date	Com	
FRAC PLUG		9,255.0	9,257.0	4 3/8		3/11/2015		STAGE 37	
FRAC PLUG		9,103.0	9,105.0	4 3/8		3/11/2015		STAGE 38	
FRAC PLUG		8,951.0	8,953.0	4 3/8		3/11/2015		STAGE 39	
FRAC PLUG		8,789.0	8,791.0	4 3/8		3/11/2015		STAGE 40	
FRAC PLUG		8,647.0	8,649.0	4 3/8		3/11/2015		STAGE 41	
Perforation Intervals									
Time	Zone	Top (ftKB)		Btm (ftKB)		Shot Dens (shots/ft)	Gun Size (in)	Com	
18:38	WOLFCAMP A, ORIGINAL HOLE	8,510.0		8,511.0		6.0	3 1/8	STAGE 41	
18:38	WOLFCAMP A, ORIGINAL HOLE	8,540.0		8,541.2		6.0	3 1/8	STAGE 41	
18:38	WOLFCAMP A, ORIGINAL HOLE	8,570.0		8,571.2		6.0	3 1/8	STAGE 41	
18:38	WOLFCAMP A, ORIGINAL HOLE	8,600.0		8,601.2		6.0	3 1/8	STAGE 41	
18:38	WOLFCAMP A, ORIGINAL HOLE	8,630.0		8,631.3		6.0	3 1/8	STAGE 41	
15:57	WOLFCAMP A, ORIGINAL HOLE	8,662.0		8,663.0		6.0	3 1/8	STAGE 40	
15:57	WOLFCAMP A, ORIGINAL HOLE	8,690.0		8,691.2		6.0	3 1/8	STAGE 40	
15:57	WOLFCAMP A, ORIGINAL HOLE	8,719.0		8,720.2		6.0	3 1/8	STAGE 40	
15:57	WOLFCAMP A, ORIGINAL HOLE	8,746.0		8,747.2		6.0	3 1/8	STAGE 40	
15:57	WOLFCAMP A, ORIGINAL HOLE	8,777.0		8,778.3		6.0	3 1/8	STAGE 40	
12:44	WOLFCAMP A, ORIGINAL HOLE	8,814.0		8,815.0		6.0	3 1/8	STAGE 39	
12:44	WOLFCAMP A, ORIGINAL HOLE	8,844.0		8,845.2		6.0	3 1/8	STAGE 39	
12:44	WOLFCAMP A, ORIGINAL HOLE	8,874.0		8,875.2		6.0	3 1/8	STAGE 39	
12:44	WOLFCAMP A, ORIGINAL HOLE	8,904.0		8,905.2		6.0	3 1/8	STAGE 39	
12:44	WOLFCAMP A, ORIGINAL HOLE	8,934.0		8,935.3		6.0	3 1/8	STAGE 39	
09:49	WOLFCAMP A, ORIGINAL HOLE	8,966.0		8,967.0		6.0	3 1/8	STAGE 38	
09:49	WOLFCAMP A, ORIGINAL HOLE	8,996.0		8,997.2		6.0	3 1/8	STAGE 38	
09:49	WOLFCAMP A, ORIGINAL HOLE	9,026.0		9,027.2		6.0	3 1/8	STAGE 38	
09:49	WOLFCAMP A, ORIGINAL HOLE	9,056.0		9,057.2		6.0	3 1/8	STAGE 38	
09:49	WOLFCAMP A, ORIGINAL HOLE	9,086.0		9,087.3		6.0	3 1/8	STAGE 38	
06:30	WOLFCAMP A, ORIGINAL HOLE	9,118.0		9,119.0		6.0	3 1/8	STAGE 37	
06:30	WOLFCAMP A, ORIGINAL HOLE	9,148.0		9,149.2		6.0	3 1/8	STAGE 37	
06:30	WOLFCAMP A, ORIGINAL HOLE	9,178.0		9,179.2		6.0	3 1/8	STAGE 37	
06:30	WOLFCAMP A, ORIGINAL HOLE	9,208.0		9,209.2		6.0	3 1/8	STAGE 37	
06:30	WOLFCAMP A, ORIGINAL HOLE	9,238.0		9,239.3		6.0	3 1/8	STAGE 37	

Stimulations & Treatments

STAGE 37 - HYDRAULIC FRAC on 3/11/2015 07:35

Date 3/11/2015	Type HYDRAULIC FRAC				Zone WOLFCAMP A, ORIGINAL HOLE			Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC			Comment TRACERS FFI-2300 STAGES 32-41. CUT OUT ACID STAGE			
P Pre SI (psi) 1,435.0	ISIP (psi) 2,935.0	P Post SI (psi) 2,482.0	5 min SI (psi) 2235	10 min SI (psi)	15 min SI (psi)	P Break (psi) 3,249.0	BD Rate (bbl/min) 10	Q Treat Min... 74	Q Treat Max... 75	Q Treat Avg... 75	Avg Treat Pressure (psi) 5,638.0	Proppant Depleted (lb) 245,000	Proppant Placed (lb) 250,040	
Max Treat Pressure (psi) 7,142.0			Avg Treat Pressure (psi) 5,638.0			Max Treat Rate (bbl/min) 75			Avg Treat Rate (bbl/min) 75			V clean+slurry (bbl) 5190.26		
Total Add Amount 7.5 % HCL HYDROCHLORIC ACID 0 gal; ACID CORROSION INHIBITOR CIA-5 0 gal; ACID IRON CONTROL IR-1 0 gal; ACID SURFACTANT NE-1 0 gal; BIO 15-G 65 gal; FFI 800 11 gal; PROPPANT 100 MESH 34340 lb; PROPPANT 40/70 WHITE 215700 lb; WFR-5 155 gal														

STAGE 38 - HYDRAULIC FRAC on 3/11/2015 10:47

Date 3/11/2015	Type HYDRAULIC FRAC				Zone WOLFCAMP A, ORIGINAL HOLE			Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC			Comment TRACERS FFI-2300 STAGES 32-41. CUT OUT ACID STAGE			
P Pre SI (psi) 1,605.0	ISIP (psi) 2,771.0	P Post SI (psi) 2,589.0	5 min SI (psi) 2155	10 min SI (psi)	15 min SI (psi)	P Break (psi) 3,044.0	BD Rate (bbl/min) 10	Q Treat Min... 75	Q Treat Max... 76	Q Treat Avg... 75	Avg Treat Pressure (psi) 5,543.0	Proppant Depleted (lb) 245,000	Proppant Placed (lb) 250,540	
Max Treat Pressure (psi) 6,613.0			Avg Treat Pressure (psi) 5,543.0			Max Treat Rate (bbl/min) 76			Avg Treat Rate (bbl/min) 75			V clean+slurry (bbl) 5000.26		
Total Add Amount 7.5 % HCL HYDROCHLORIC ACID 0 gal; ACID CORROSION INHIBITOR CIA-5 0 gal; ACID IRON CONTROL IR-1 0 gal; ACID SURFACTANT NE-1 0 gal; BIO 15-G 61 gal; FFI 800 11 gal; PROPPANT 100 MESH 33940 lb; PROPPANT 40/70 WHITE 214100 lb; WFR-5 157 gal														

STAGE 39 - HYDRAULIC FRAC on 3/11/2015 13:58

Date 3/11/2015	Type HYDRAULIC FRAC				Zone WOLFCAMP A, ORIGINAL HOLE			Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC			Comment TRACERS FFI-2300 STAGES 32-41. CUT OUT ACID STAGE			
P Pre SI (psi) 1,530.0	ISIP (psi) 2,767.0	P Post SI (psi) 2,699.0	5 min SI (psi) 2285	10 min SI (psi)	15 min SI (psi)	P Break (psi) 2,795.0	BD Rate (bbl/min) 10	Q Treat Min... 75	Q Treat Max... 76	Q Treat Avg... 76	Avg Treat Pressure (psi) 5,585.0	Proppant Depleted (lb) 245,000	Proppant Placed (lb) 248,040	
Max Treat Pressure (psi) 6,621.0			Avg Treat Pressure (psi) 5,585.0			Max Treat Rate (bbl/min) 76			Avg Treat Rate (bbl/min) 76			V clean+slurry (bbl) 4949.26		
Total Add Amount 7.5 % HCL HYDROCHLORIC ACID 0 gal; ACID CORROSION INHIBITOR CIA-5 0 gal; ACID IRON CONTROL IR-1 0 gal; ACID SURFACTANT NE-1 0 gal; BIO 15-G 59 gal; FFI 800 11 gal; PROPPANT 100 MESH 33940 lb; PROPPANT 40/70 WHITE 217180 lb; WFR-5 143 gal														

STAGE 40 - HYDRAULIC FRAC on 3/11/2015 17:04

Date 3/11/2015	Type HYDRAULIC FRAC				Zone WOLFCAMP A, ORIGINAL HOLE			Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC			Comment TRACERS FFI-2300 STAGES 32-41. CUT OUT ACID STAGE			
P Pre SI (psi) 1,606.0	ISIP (psi) 2,698.0	P Post SI (psi) 2,566.0	5 min SI (psi) 2211	10 min SI (psi)	15 min SI (psi)	P Break (psi) 3,996.0	BD Rate (bbl/min) 10	Q Treat Min... 74	Q Treat Max... 75	Q Treat Avg... 75	Avg Treat Pressure (psi) 5,537.0	Proppant Depleted (lb) 245,000	Proppant Placed (lb) 251,480	
Max Treat Pressure (psi) 7,185.0			Avg Treat Pressure (psi) 5,537.0			Max Treat Rate (bbl/min) 75			Avg Treat Rate (bbl/min) 75			V clean+slurry (bbl) 5067.26		
Total Add Amount 7.5 % HCL HYDROCHLORIC ACID 0 gal; ACID CORROSION INHIBITOR CIA-5 0 gal; ACID IRON CONTROL IR-1 0 gal; ACID SURFACTANT NE-1 0 gal; BIO 15-G 67 gal; FFI 800 11 gal; PROPPANT 100 MESH 34300 lb; PROPPANT 40/70 WHITE 217180 lb; WFR-5 158 gal														

STAGE 41 - HYDRAULIC FRAC on 3/11/2015 22:44

Date 3/11/2015	Type HYDRAULIC FRAC				Zone WOLFCAMP A, ORIGINAL HOLE			Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC			Comment TRACERS FFI-2300 STAGES 32-41. CUT OUT ACID STAGE			
P Pre SI (psi) 1,370.0	ISIP (psi) 2,643.0	P Post SI (psi) 2,380.0	5 min SI (psi) 2275	10 min SI (psi)	15 min SI (psi)	P Break (psi) 4,493.0	BD Rate (bbl/min) 10	Q Treat Min... 7,471	Q Treat Max... 74	Q Treat Avg... 74	Avg Treat Pressure (psi) 5,215.0	Proppant Depleted (lb) 245,000	Proppant Placed (lb) 253,680	
Max Treat Pressure (psi) 6,011.0			Avg Treat Pressure (psi) 5,215.0			Max Treat Rate (bbl/min) 74			Avg Treat Rate (bbl/min) 74			V clean+slurry (bbl) 4827.26		
Total Add Amount 7.5 % HCL HYDROCHLORIC ACID 0 gal; ACID CORROSION INHIBITOR CIA-5 0 gal; ACID IRON CONTROL IR-1 0 gal; ACID SURFACTANT NE-1 0 gal; BIO 15-G 65 gal; FFI 800 11 gal; PROPPANT 100 MESH 34040 lb; PROPPANT 40/70 WHITE 219640 lb; WFR-5 153 gal														



AMERICAN ENERGY
PARTNERS

AMERICAN ENERGY - PERMIAN BASIN, LLC
Daily Completion Report

UNIVERSITY 09 0806H
AEPB WELL NO. 32

Report Date 3/13/2015
AFE # DV02085
Total AFE 4,497,200

API 42383392020000	State TEXAS	County REAGAN	Well Config HORIZONTAL	Ground Elevation (ft) 2,671.00	RKB (ft) 30.00	Well Status COMPLETION	Well Sub-Status COMPLETING	Completion Date
Job Information								
Job Category COMPLETION		Primary Job Type COMPLETION - ORIGINAL			Secondary Job Type		Start Date 1/30/2015	End Date
AFE Number DV02085		Supplemental AFE Number			Daily Field Est (Cost) 29,895		Cum Field Est (Cost) 2,754,900	
Number of Stages (ft) 41		Lateral Length (ft) 7,138			Time Since LTI (days)		Time Since Reportable Incident (days)	
Daily Contacts								
Contacts COMP SUP, TIM DENNING, CRSCNT; COMP SUPVR, SHAWN WITHERINGTON, CRSCNT; COMP SUPER, JIMMY MOORE, LOOP; COMP SUP, RANDY HAGEN, LOOP								
Daily Operations								
Operations Summary RDMO FRAC AND AUXILIARY EQUIPMENT.								
Planned Operations START CT MIRU								
Time Log								
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Activity	Inactive?	Comments	Unschd Typ	NPT
05:00	17:00	12.00	12.00	RIG UP/DOWN	No	RDMO WELLHEADS, FRAC LINES, COMMAND CENTER, ALONG WITH FRAC AND ADDITIONAL SUPPORT EQUIPMENT. TURNED OVER TO CT AT 1700		
Safety Checks								
Time		Type			Inspected By		Description	
05:01		SAFETY MEETING			TIM DENNING / SHAWN WITHERINGTON		PRE JOB SAFETY MEETING	
Perforation Intervals								
Time	Zone			Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Gun Size (in)	Com

UNIVERSITY 09 0806H

AEPB WELL NO. 32

API 42383392020000	State TEXAS	County REAGAN	Well Config HORIZONTAL	Ground Elevation (ft) 2,671.00	RKB (ft) 30.00	Well Status COMPLETION	Well Sub-Status COMPLETING	Completion Date	
Job Information									
Job Category COMPLETION		Primary Job Type COMPLETION - ORIGINAL		Secondary Job Type		Start Date 1/30/2015		End Date	
AFE Number DV02085		Supplemental AFE Number		Daily Field Est (Cost) 32,573		Cum Field Est (Cost) 2,787,473			
Number of Stages (ft) 41		Lateral Length (ft) 7,138		Time Since LTI (days)		Time Since Reportable Incident (days)			
Daily Contacts									
Contacts COMP SUP, DAN CURTIS, LOOP; COMP SUPER, WES WILSON, LOOP									
Daily Operations									
Operations Summary MIRU CT UNIT AND SUPPORT EQUIPMENT									
Planned Operations DRILLOUT FRAC PLUGS									
Time Log									
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Activity	Inactive?	Comments	Unschd Typ	NPT	
05:00	23:00	18.00	18.00	STANDBY	Yes	WAITING ON DRILL OUT OPS TO FINISH ON UNIVERSITY 09-0813H			
23:00	05:00	6.00	24.00	RIG UP/DOWN	No	MIRU CONQUEST CT UNIT, AMERIFLOW DRILLOUT PACKAGE, CIRCLE 8 CRANE AND ALL SUPPORT EQUIPMENT.			
Safety Checks									
Time		Type			Inspected By		Description		
17:00		SAFETY MEETING			WES WILSON		PRE JOB SAFETY MEETING		
Perforation Intervals									
Time	Zone		Top (ftKB)		Btm (ftKB)		Shot Dens (shots/ft)	Gun Size (in)	Com



UNIVERSITY 09 0806H
AEPB WELL NO. 32

Report Date	3/18/2015
AFE #	DV02085
Total AFE	4,497,200

API 42383392020000	State TEXAS	County REAGAN	Well Config HORIZONTAL	Ground Elevation (ft) 2,671.00	RKB (ft) 30.00	Well Status COMPLETION	Well Sub-Status COMPLETING	Completion Date
Job Information								
Job Category COMPLETION		Primary Job Type COMPLETION - ORIGINAL			Secondary Job Type		Start Date 1/30/2015	End Date
AFE Number DV02085		Supplemental AFE Number			Daily Field Est (Cost) 115,613		Cum Field Est (Cost) 2,903,086	
Number of Stages (ft) 41		Lateral Length (ft) 7,138			Time Since LTI (days)		Time Since Reportable Incident (days)	
Daily Contacts								
Contacts COMP SUP, DAN CURTIS, LOOP; COMP SUPER, WES WILSON, LOOP								
Daily Operations								
Operations Summary DRILLED OUT PLUGS 41-17 OF 41								
Planned Operations DRILL OUT FRAC PLUGS								
Time Log								
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Activity	Inactive?	Comments	Unschd Typ	NPT
05:00	05:15	0.25	0.25	SAFETY MEETING	No	TALKED ABOUT RANCH RULES,GOOD HOUSE KEEPING, SLIPS TRIPS AND FALLS AND OVERHEAD LOADS.		
05:15	06:15	1.00	1.25	INSTALL NEW DOWNHOLE ASSEMBLY	No	PULL TEST COIL CONNECTOR TO 30,000# GOOD TEST,SURFACE TEST BHA @ 3.5 BPM PRESSURE 3800# GOOD TEST. COIL CON= 0.87 BP VALVE= 1.40 JARS= 4.60 DISCONNECT=1.25 CIRC SUB= 1.38 X OVER= 0.67 AGITATOR= 4.35 X OVER= 0.46 WEIGHT BAR= 4.82 X OVER= 0.67 AGITATOR= 4.35 X OVER= 0.67 MOTOR= 4.35 X OVER= 0.51 BIT= 0.50 TOTAL= 41.03		
06:15	10:00	3.75	5.00	RIG UP/DOWN	No	FINISH RIG UP AMERIFLOW, 2" AND 3" IRON, INSTALL WEIR RESTRAINTS		
10:00	11:00	1.00	6.00	PRESSURE TEST	No	PRESSURE TEST, ALL SURFACE EQUIPMENT TO MANIFOLD @7500# GOOD TSET, BLEED WELL DOWN TO 1500# TO OPEN TOP, EQUILIZE OVER TO CT UNIT.		
11:00	12:30	1.50	7.50	TRIPPING	No	RIH WITH CT, WEIGHT CHECK @ 7,200', 38,000#, BRING PUMP UP TO 3.5 BPM, PUMP PRESSURE 5700#, WHP 1000#		
12:30	13:00	0.50	8.00	CLEAN OUT	No	TAG PLUG # 41 DEPTH 8647' CTU (8620') DRILL TIME= 10 MIN RATE IN = 3.5 BPM RATE OUT= 3.6 BPM CIRC PRESSURE = 5600 PSI FCP= 900 PSI CHEMICALS= FR .25 / 10 SWEEP= 5 BBL 80 VISC SAND= LIGHT SAND		
13:00	13:30	0.50	8.50	CLEAN OUT	No	TAG PLUG # 40 DEPTH 8799 CTU (8762') DRILL TIME= 11 MIN RATE IN = 3.5 BPM RATE OUT= 3.6 BPM CIRC PRESSURE = 5750 PSI FCP= 920 PSI CHEMICALS= FR .25 / 10 SWEEP= 5 BBL 80 VISC SAND= LIGHT SAND		
13:30	14:00	0.50	9.00	CLEAN OUT	No	TAG PLUG # 39 DEPTH 8951' CTU (8925') DRILL TIME= 9 MIN RATE IN = 3.5 BPM RATE OUT= 3.6 BPM CIRC PRESSURE = 5650 PSI FCP= 850 PSI CHEMICALS= FR .25 / 10 SWEEP= 5 BBL 80 VISC SAND= LIGHT SAND		
14:00	14:30	0.50	9.50	CLEAN OUT	No	TAG PLUG # 38 DEPTH 9103' CTU (9076') DRILL TIME= 10 MIN RATE IN = 3.5 BPM RATE OUT= 3.6 BPM CIRC PRESSURE = 5600 PSI FCP= 850 PSI CHEMICALS= FR .25 / 10 SWEEP= 5 BBL 80 VISC SAND= LIGHT SAND		
14:30	15:00	0.50	10.00	CLEAN OUT	No	TAG PLUG # 37 DEPTH 9255' CTU (9229') DRILL TIME= 12 MIN RATE IN = 3.5 BPM RATE OUT= 3.6 BPM CIRC PRESSURE = 5700 PSI FCP= 800 PSI CHEMICALS= FR .25 / 10 SWEEP= 5 BBL 80 VISC SAND= LIGHT SAND		
15:00	15:30	0.50	10.50	CLEAN OUT	No	TAG PLUG # 36 DEPTH 9407' CTU (9390') DRILL TIME= 10 MIN RATE IN = 3.5 BPM RATE OUT= 3.6 BPM CIRC PRESSURE = 5600 PSI FCP= 850 PSI CHEMICALS= FR .25 / 10 SWEEP= 5 BBL 80 VISC SAND= LIGHT SAND		
15:30	16:00	0.50	11.00	CLEAN OUT	No	TAG PLUG # 35 DEPTH 9557' CTU (9537') DRILL TIME= 8 MIN RATE IN = 3.5 BPM RATE OUT= 3.6 BPM CIRC PRESSURE = 5500 PSI FCP= 800 PSI CHEMICALS= FR .25 / 10 SWEEP= 5 BBL 80 VISC SAND= LIGHT SAND		
16:00	16:30	0.50	11.50	CLEAN OUT	No	TAG PLUG # 34 DEPTH 9711' CTU (9685') DRILL TIME= 9 MIN RATE IN = 3.5 BPM RATE OUT= 3.6 BPM CIRC PRESSURE = 5400 PSI FCP= 790 PSI CHEMICALS= FR .25 / 10 SWEEP= 5 BBL 80 VISC SAND= LIGHT SAND		



UNIVERSITY 09 0806H
AEPB WELL NO. 32

Total AFE

4,497,200

UNIVERSITY 09 0806H

AEPB WELL NO. 32

Time Log											
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Activity	Inactive?	Comments				Unschd Typ	NPT
01:30	02:15	0.75	21.25	CLEAN OUT	No	TAG PLUG # 20 DEPTH 11839' CTU (11813') DRILL TIME= 15 MIN RATE IN = 3.5 BPM RATE OUT= 3.6 BPM CIRC PRESSURE =5100 PSI FCP= 720 PSI CHEMICALS= FR .25 / 10 SWEEP= 5 BBL 80 VISC SAND= LIGHT SAND					
02:15	03:15	1.00	22.25	CLEAN OUT	No	TAG PLUG # 19 DEPTH 11991' CTU (11976') DRILL TIME= 15 MIN RATE IN = 3.5 BPM RATE OUT= 3.6 BPM CIRC PRESSURE =4950 PSI FCP= 675 PSI CHEMICALS= FR .25 / 10 SWEEP= 5 BBL 80 VISC SAND= LIGHT SAND					
03:15	04:15	1.00	23.25	CLEAN OUT	No	TAG PLUG # 18 DEPTH 12143' CTU (12119') DRILL TIME= 10 MIN RATE IN = 3.5 BPM RATE OUT= 3.6 BPM CIRC PRESSURE =4900 PSI FCP= 625 PSI CHEMICALS= FR .25 / 10 SWEEP= 5 BBL 80 VISC SAND= LIGHT SAND					
04:15	05:00	0.75	24.00	CLEAN OUT	No	TAG PLUG # 17 DEPTH 12295' CTU (12275') DRILL TIME= 10 MIN RATE IN = 3.5 BPM RATE OUT= 3.6 BPM CIRC PRESSURE =4900 PSI FCP= 600PSI CHEMICALS= FR .25 / 10 SWEEP= 5 BBL 80 VISC SAND= LIGHT SAND					
Safety Checks											
Time		Type			Inspected By			Description			
05:00		SAFETY MEETING			DAN CURTIS			PRE JOB SAFETY MEETING			
17:00		SAFETY MEETING			WES WILSON			PRE JOB SAFETY MEETING			
Plug Details											
Description FRAC PLUG				Top (ftKB) 12,295.0	Btm (ftKB) 12,297.0	OD (in) 4 3/8	ID (in)	Run Date 3/7/2015	Pull Date 3/18/2015	Comment STAGE 17	
Description FRAC PLUG				Top (ftKB) 12,143.0	Btm (ftKB) 12,145.0	OD (in) 4 3/8	ID (in)	Run Date 3/7/2015	Pull Date 3/18/2015	Comment STAGE 18	
Description FRAC PLUG				Top (ftKB) 11,991.0	Btm (ftKB) 11,993.0	OD (in) 4 3/8	ID (in)	Run Date 3/8/2015	Pull Date 3/18/2015	Comment STAGE 19	
Description FRAC PLUG				Top (ftKB) 11,839.0	Btm (ftKB) 11,841.0	OD (in) 4 3/8	ID (in)	Run Date 3/8/2015	Pull Date 3/18/2015	Comment STAGE 20	
Description FRAC PLUG				Top (ftKB) 11,687.0	Btm (ftKB) 11,689.0	OD (in) 4 3/8	ID (in)	Run Date 3/8/2015	Pull Date 3/18/2015	Comment STAGE 21	
Description FRAC PLUG				Top (ftKB) 11,531.0	Btm (ftKB) 11,533.0	OD (in) 4 3/8	ID (in)	Run Date 3/8/2015	Pull Date 3/17/2015	Comment STAGE 22	
Description FRAC PLUG				Top (ftKB) 11,383.0	Btm (ftKB) 11,385.0	OD (in) 4 3/8	ID (in)	Run Date 3/9/2015	Pull Date 3/17/2015	Comment STAGE 23	
Description FRAC PLUG				Top (ftKB) 11,231.0	Btm (ftKB) 11,233.0	OD (in) 4 3/8	ID (in)	Run Date 3/9/2015	Pull Date 3/17/2015	Comment STAGE 24	
Description FRAC PLUG				Top (ftKB) 11,079.0	Btm (ftKB) 11,081.0	OD (in) 4 3/8	ID (in)	Run Date 3/9/2015	Pull Date 3/17/2015	Comment STAGE 25	
Description FRAC PLUG				Top (ftKB) 10,927.0	Btm (ftKB) 10,929.0	OD (in) 4 3/8	ID (in)	Run Date 3/9/2015	Pull Date 3/17/2015	Comment STAGE 26	
Description FRAC PLUG				Top (ftKB) 10,775.0	Btm (ftKB) 10,777.0	OD (in) 4 3/8	ID (in)	Run Date 3/9/2015	Pull Date 3/17/2015	Comment STAGE 27	
Description FRAC PLUG				Top (ftKB) 10,623.0	Btm (ftKB) 10,625.0	OD (in) 4 3/8	ID (in)	Run Date 3/9/2015	Pull Date 3/17/2015	Comment STAGE 28	
Description FRAC PLUG				Top (ftKB) 10,466.0	Btm (ftKB) 10,468.0	OD (in) 4 3/8	ID (in)	Run Date 3/9/2015	Pull Date 3/17/2015	Comment STAGE 29	
Description FRAC PLUG				Top (ftKB) 10,319.0	Btm (ftKB) 10,321.0	OD (in) 4 3/8	ID (in)	Run Date 3/10/2015	Pull Date 3/17/2015	Comment STAGE 30	
Description FRAC PLUG				Top (ftKB) 10,167.0	Btm (ftKB) 10,169.0	OD (in) 4 3/8	ID (in)	Run Date 3/10/2015	Pull Date 3/17/2015	Comment STAGE 31	
Description FRAC PLUG				Top (ftKB) 10,010.0	Btm (ftKB) 10,012.0	OD (in) 4 3/8	ID (in)	Run Date 3/10/2015	Pull Date 3/17/2015	Comment STAGE 32	
Description FRAC PLUG				Top (ftKB) 9,863.0	Btm (ftKB) 9,865.0	OD (in) 4 3/8	ID (in)	Run Date 3/10/2015	Pull Date 3/17/2015	Comment STAGE 33	
Description FRAC PLUG				Top (ftKB) 9,711.0	Btm (ftKB) 9,713.0	OD (in) 4 3/8	ID (in)	Run Date 3/10/2015	Pull Date 3/17/2015	Comment STAGE 34	
Description FRAC PLUG				Top (ftKB) 9,557.0	Btm (ftKB) 9,559.0	OD (in) 4 3/8	ID (in)	Run Date 3/10/2015	Pull Date 3/17/2015	Comment STAGE 35	
Description FRAC PLUG				Top (ftKB) 9,407.0	Btm (ftKB) 9,409.0	OD (in) 4 3/8	ID (in)	Run Date 3/11/2015	Pull Date 3/17/2015	Comment STAGE 36	
Description FRAC PLUG				Top (ftKB) 9,255.0	Btm (ftKB) 9,257.0	OD (in) 4 3/8	ID (in)	Run Date 3/11/2015	Pull Date 3/17/2015	Comment STAGE 37	
Description FRAC PLUG				Top (ftKB) 9,103.0	Btm (ftKB) 9,105.0	OD (in) 4 3/8	ID (in)	Run Date 3/11/2015	Pull Date 3/17/2015	Comment STAGE 38	
Description FRAC PLUG				Top (ftKB) 8,951.0	Btm (ftKB) 8,953.0	OD (in) 4 3/8	ID (in)	Run Date 3/11/2015	Pull Date 3/17/2015	Comment STAGE 39	
Description FRAC PLUG				Top (ftKB) 8,789.0	Btm (ftKB) 8,791.0	OD (in) 4 3/8	ID (in)	Run Date 3/11/2015	Pull Date 3/17/2015	Comment STAGE 40	
Description FRAC PLUG				Top (ftKB) 8,647.0	Btm (ftKB) 8,649.0	OD (in) 4 3/8	ID (in)	Run Date 3/11/2015	Pull Date 3/17/2015	Comment STAGE 41	
Perforation Intervals											
Time	Zone			Top (ftKB)		Btm (ftKB)		Shot Dens (shots/ft)		Gun Size (in)	Com

UNIVERSITY 09 0806H

AEPB WELL NO. 32

API 42383392020000	State TEXAS	County REAGAN	Well Config HORIZONTAL	Ground Elevation (ft) 2,671.00	RKB (ft) 30.00	Well Status COMPLETION	Well Sub-Status COMPLETING	Completion Date
Job Information								
Job Category COMPLETION		Primary Job Type COMPLETION - ORIGINAL		Secondary Job Type		Start Date 1/30/2015		End Date
AFE Number DV02085		Supplemental AFE Number		Daily Field Est (Cost) 39,216		Cum Field Est (Cost) 2,961,875		
Number of Stages (ft) 41		Lateral Length (ft) 7,138		Time Since LTI (days)		Time Since Reportable Incident (days)		
Daily Contacts								
Contacts COMP SUP, DAN CURTIS, LOOP; COMP SUPER, WES WILSON, LOOP								
Daily Operations								
Operations Summary DRILL OUT FRAC PLUGS 15-2 OF 41, RDMO CT UNIT.								
Planned Operations DRILL OUT FRAC PLUGS, TURN WELL OVER TO PRODUCTION.								
Time Log								
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Activity	Inactive?	Comments	Unsched Typ	NPT
05:00	05:30	0.50	0.50	SAFETY MEETING	No	TALKED ABOUT, WORKING IN WET CONDITIONS, GOOD HOUSE KEEPING AND TODAY'S ACTIVITIES, REVIEW JSAS MILLED OUT PLUG 16		
05:30	06:15	0.75	1.25	CLEAN OUT	No	CONT WASH TO NEXT PLUG		
06:15	06:45	0.50	1.75	CLEAN OUT	No	TAG PLUG 15 @ 12599 FT CTM= 12578 FT CP= 4800 PSI @ 3.5 BPM WHP= 500 PSI @ 3.7 BPM D/O= 8 MINS CHEMS= 1/4, FR RETURNS= LIGHT SAND SENT 5 BBL SWEEP WASH TO NEXT PLUG		
06:45	08:00	1.25	3.00	CLEAN OUT	No	TAG PLUG 14 @ 12751 FT CTM= 12731 FT CP= 4900 PSI @ 3.5 BPM WHP= 500 PSI @ 3.7 BPM D/O= 46 MINS CHEMS= 1/4, FR RETURNS= LIGHT SAND SENT 5 BBL SWEEP WASH TO NEXT PLUG		
08:00	08:45	0.75	3.75	CLEAN OUT	No	TAG PLUG 13 @ 12903 FT CTM= 12883 FT CP= 4900 PSI @ 3.5 BPM WHP= 500 PSI @ 3.7 BPM D/O= 18 MINS CHEMS= 1/4, FR RETURNS= LIGHT SAND SENT 5 BBL SWEEP WASH TO NEXT PLUG		
08:45	09:15	0.50	4.25	CLEAN OUT	No	TAG PLUG 12 @ 13055 FT CTM= FT CP= 4900 PSI @ 3.5 BPM WHP= 500 PSI @ 3.7 BPM D/O= MINS CHEMS= 1/4, FR RETURNS= LIGHT SAND SENT 5 BBL SWEEP WASH TO NEXT PLUG		
09:15	10:15	1.00	5.25	CLEAN OUT	No	TAG PLUG 11 @ 13207 FT CTM= 13186 FT CP= 4900 PSI @ 3.5 BPM WHP= 500 PSI @ 3.7 BPM D/O= 61 MINS CHEMS= 1/4, FR RETURNS= MED SAND SENT 5 BBL SWEEP WASH TO NEXT PLUG		
10:15	10:45	0.50	5.75	CLEAN OUT	No	TAG PLUG 10 @ 13359 FT CTM= 13186 FT CP= 4900 PSI @ 3.5 BPM WHP= 500 PSI @ 3.7 BPM D/O= 10 MINS CHEMS= 1/4, FR RETURNS= MED SAND SENT 5 BBL SWEEP WASH TO NEXT PLUG		
10:45	11:30	0.75	6.50	CLEAN OUT	No	TAG PLUG 9 @ 13511 FT CTM= 13495 FT CP= 4900 PSI @ 3.5 BPM WHP= 500 PSI @ 3.7 BPM D/O= 39 MINS CHEMS= 1/4, FR RETURNS= MED SAND SENT 5 BBL SWEEP WASH TO NEXT PLUG		
11:30	12:00	0.50	7.00	CLEAN OUT	No	TAG PLUG 8 @ 13663 FT CTM= 13644 FT CP= 4900 PSI @ 3.5 BPM WHP= 500 PSI @ 3.7 BPM D/O= 5 MINS CHEMS= 1/4, FR RETURNS= MED SAND SENT 5 BBL SWEEP WASH TO NEXT PLUG		
12:00	12:30	0.50	7.50	CLEAN OUT	No	TAG PLUG 7 @ 13815 FT CTM= 13787 FT CP= 4900 PSI @ 3.5 BPM WHP= 500 PSI @ 3.7 BPM D/O= 10 MINS CHEMS= 1/4, FR RETURNS= MED SAND SENT 5 BBL SWEEP WASH TO NEXT PLUG		
12:30	13:15	0.75	8.25	CLEAN OUT	No	TAG PLUG 6 @ 13967 FT CTM= 13949 FT CP= 4900 PSI @ 3.5 BPM WHP= 500 PSI @ 3.7 BPM D/O= 10 MINS CHEMS= 1/4, FR RETURNS= MED SAND SENT 5 BBL SWEEP WASH TO NEXT PLUG		
13:15	14:30	1.25	9.50	CLEAN OUT	No	TAG PLUG 5 @ 14119 FT CTM= 14098 FT CP= 5000 PSI @ 3.5 BPM WHP= 500 PSI @ 3.7 BPM D/O= 64 MINS CHEMS= 1/4, FR RETURNS= MED SAND SENT 5 BBL SWEEP WASH TO NEXT PLUG		

UNIVERSITY 09 0806H

AEPB WELL NO. 32

Time Log									
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Activity	Inactive?	Comments		Unschd Typ	NPT
14:30	15:00	0.50	10.00	CLEAN OUT	No	TAG PLUG 4 @ 14271 FT CTM= 14251 FT CP= 5000 PSI @ 3.5 BPM WHP= 500 PSI @ 3.7 BPM D/O= 10 MINS CHEMS= 1/4, FR RETURNS= MED SAND SENT 5 BBL SWEEP WASH TO NEXT PLUG			
15:00	16:15	1.25	11.25	CLEAN OUT	No	TAG PLUG 3 @ 14423 FT CTM= 14394 FT CP= 4900 PSI @ 3.5 BPM WHP= 500 PSI @ 3.7 BPM D/O= 33 MINS CHEMS= 1/4, FR RETURNS= MED SAND SENT 5 BBL SWEEP WASH TO NEXT PLUG			
16:15	17:00	0.75	12.00	CLEAN OUT	No	TAG PLUG 2 @ 14575 FT CTM= 14556 FT CP= 4900 PSI @ 3.5 BPM WHP= 600 PSI @ 3.7 BPM D/O= 33 MINS CHEMS= 1/4, FR RETURNS= MED SAND SENT 5 BBL SWEEP WASH TO PBTD			
17:00	17:15	0.25	12.25	SAFETY MEETING	No	HOLD SAFETY MEETING WITH NIGHT SHIFT ON TODAY'S ACTIVITES, PINCH POINTS, 100% TIE OFF AND OVERHEAD LOADS.			
17:15	20:15	3.00	15.25	TRIPPING	No	POOH WITH CT, SWEEPING HOLE EVERY 1000' WITH 10 BBL 100 VIS SWEEP TO BOTTOM OF CURVE.			
20:15	21:45	1.50	16.75	CLEAN OUT	No	@ 8050' FLOW CROSS PLUGED OFF AT TREE, OPEN UP 2" PANIC LINE TO OPEN TOP, CLEAN OUT PLUG PARTS AND SAND, WHILE WORK PIPE.			
21:45	00:45	3.00	19.75	TRIPPING	No	CONTINUE POOH TO SURFACE WITH CT.			
00:45	01:45	1.00	20.75	RIG UP/DOWN	No	BUMP UP TOOLS, CLOSE BOTH MASTER VALVES BLEED OFF PRESSURE TO OPEN TOP, SECURE WELL, SICP 650#.			
01:45	02:45	1.00	21.75	RIG UP/DOWN	No	RDMO CT UNIT AND SUPPORT EQUIPMENT.			
02:45	05:00	2.25	24.00	STANDBY	Yes	WELL SECURE AND READY FOR PRODUCTION.			
Safety Checks									
Time		Type			Inspected By		Description		
05:00		SAFETY MEETING			DAN CURTIS		PRE JOB SAFETY MEETING		
17:00		SAFETY MEETING			WES WILSON		PRE JOB SAFETY MEETING		
Plug Details									
Description	Top (ftKB)	Btm (ftKB)	OD (in)	ID (in)	Run Date	Pull Date	Comment		
BRIDGE PLUG - PERMANENT	14,575.0	14,577.0	4 3/8		3/4/2015	3/18/2015	STAGE 2 - BRIDGE PLUG		
Description	Top (ftKB)	Btm (ftKB)	OD (in)	ID (in)	Run Date	Pull Date	Comment		
FRAC PLUG	14,416.0	14,418.0	4 3/8		3/4/2015	3/18/2015	STAGE 3		
Description	Top (ftKB)	Btm (ftKB)	OD (in)	ID (in)	Run Date	Pull Date	Comment		
FRAC PLUG	14,271.0	14,273.0	4 3/8		3/4/2015	3/18/2015	STAGE 4		
Description	Top (ftKB)	Btm (ftKB)	OD (in)	ID (in)	Run Date	Pull Date	Comment		
FRAC PLUG	14,119.0	14,121.0	4 3/8		3/4/2015	3/18/2015	STAGE 5		
Description	Top (ftKB)	Btm (ftKB)	OD (in)	ID (in)	Run Date	Pull Date	Comment		
FRAC PLUG	13,967.0	13,969.0	4 3/8		3/5/2015	3/18/2015	STAGE 6		
Description	Top (ftKB)	Btm (ftKB)	OD (in)	ID (in)	Run Date	Pull Date	Comment		
FRAC PLUG	13,810.0	13,812.0	4 1/2		3/5/2015	3/18/2015	STAGE 7		
Description	Top (ftKB)	Btm (ftKB)	OD (in)	ID (in)	Run Date	Pull Date	Comment		
FRAC PLUG	13,663.0	13,665.0	4 3/8		3/5/2015	3/18/2015	STAGE 8		
Description	Top (ftKB)	Btm (ftKB)	OD (in)	ID (in)	Run Date	Pull Date	Comment		
FRAC PLUG	13,514.0	13,516.0	4 3/8		3/6/2015	3/18/2015	STAGE 9		
Description	Top (ftKB)	Btm (ftKB)	OD (in)	ID (in)	Run Date	Pull Date	Comment		
FRAC PLUG	13,349.0	13,351.0	4 3/8		3/6/2015	3/18/2015	STAGE 10		
Description	Top (ftKB)	Btm (ftKB)	OD (in)	ID (in)	Run Date	Pull Date	Comment		
FRAC PLUG	13,207.0	13,209.0	4 3/8		3/6/2015	3/18/2015	STAGE 11		
Description	Top (ftKB)	Btm (ftKB)	OD (in)	ID (in)	Run Date	Pull Date	Comment		
FRAC PLUG	13,055.0	13,057.0	4 3/8		3/6/2015	3/18/2015	STAGE 12		
Description	Top (ftKB)	Btm (ftKB)	OD (in)	ID (in)	Run Date	Pull Date	Comment		
FRAC PLUG	12,903.0	12,905.0	4 3/8		3/6/2015	3/18/2015	STAGE 13		
Description	Top (ftKB)	Btm (ftKB)	OD (in)	ID (in)	Run Date	Pull Date	Comment		
FRAC PLUG	12,751.0	12,753.0	4 3/8		3/7/2015	3/18/2015	STAGE 14		
Description	Top (ftKB)	Btm (ftKB)	OD (in)	ID (in)	Run Date	Pull Date	Comment		
FRAC PLUG	12,599.0	12,601.0	4 3/8		3/7/2015	3/18/2015	STAGE 15		
Description	Top (ftKB)	Btm (ftKB)	OD (in)	ID (in)	Run Date	Pull Date	Comment		
FRAC PLUG	12,447.0	12,449.0	4 3/8		3/7/2015	3/18/2015	STAGE 16		
Perforation Intervals									
Time	Zone		Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Gun Size (in)		Com	



AMERICAN ENERGY
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AMERICAN ENERGY - PERMIAN BASIN, LLC
Daily Completion Report

UNIVERSITY 09 0806H
AEPB WELL NO. 32

Report Date 3/24/2015
AFE # DV02085
Total AFE 4,497,200

API 42383392020000	State TEXAS	County REAGAN	Well Config HORIZONTAL	Ground Elevation (ft) 2,671.00	RKB (ft) 30.00	Well Status COMPLETION	Well Sub-Status COMPLETING	Completion Date
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Job Information

Job Category COMPLETION	Primary Job Type COMPLETION - ORIGINAL	Secondary Job Type	Start Date 1/30/2015	End Date
AFE Number DV02085	Supplemental AFE Number	Daily Field Est (Cost) 66,140	Cum Field Est (Cost) 3,045,659	
Number of Stages (ft) 41	Lateral Length (ft) 7,138	Time Since LTI (days)	Time Since Reportable Incident (days)	

Daily Contacts

Contacts
COMP SUPER, MIKE WHITE, CRSCNT; FB SUPVR, DAVID BRAY, LOOP

Daily Operations

Operations Summary
TIH PRODUCTION TBG. NU PRODUCTION TREE. SET DOWNHOLE PRESS GAUGES IN XN NIPPLE.

Planned Operations
RIG UP FLOWBACK OPERATIONS

Time Log

Start Time	End Time	Dur (hr)	Cum Dur (hr)	Activity	Inactive?	Comments	Unschd Typ	NPT
07:00	07:30	0.50	0.50	SAFETY MEETING	No	PRE JOB SAFTEY MEETING		
07:30	10:00	2.50	3.00	RIG UP/DOWN	No	MIRU COMPLETION UNIT, HDY CATWALK & PIPE RACKS. RACK & TALLY PRODUCTION TBG.		
10:00	10:30	0.50	3.50	INSTALL BOP'S	No	ND FRAC STACK. NU & FUNCTION TEST 5K BOP.		
10:30	15:00	4.50	8.00	RUN TUBING	No	TIH ON/OFF TOOL & 230 JTS 2 7/8" L-80 EUE TBG, SPACEOUT W/ 4- 2 7/8" PUP JTS. STING INTO PACKER. LAND TBG IN HANGER WITH 16 PTS COMPRESSION ON PACKER.		
15:00	16:00	1.00	9.00	INSTALL WELLHEAD	No	ND BOP, NU PRODUCTION TREE.		
16:00	16:30	0.50	9.50	RIG UP/DOWN	No	RDMO COMPLETION RIG.		
16:30	17:00	0.50	10.00	GENERAL OPERATIONS	No	PRESS UP TBG TO 2,600 PSI & PUMP OUT PLUG. PUMP 44 BBLs 2% KCL WTR TREATED W/ 5 GALLONS BIOCIDES @ 2 BPM/800 PSI.		
17:00	22:30	5.50	15.50	INACTIVE	Yes	WAIT TO INSTALL DOWNHOLE GAUGES IN 0802H & 0804H.		
22:30	01:00	2.50	18.00	W/L OPERATION	No	MIRU SLICKLINE UNIT. TIH W/ 2.30" GR TO 7,602', TOH W/ GR. INSTALL BATTERIES IN DOWNHOLE GAUGES @ 23:27 HRS.TIH W/ GAUGES & SET IN XN NIPPLE @ 7618'. TOH, LD SETTING TOOL. RDMO SLICKLINE UNIT.		
01:00	05:00	4.00	22.00	RIG UP/DOWN	No	RU FLOWBACK.		

Safety Checks

Time	Type	Inspected By	Description
07:00	SAFETY MEETING	MIKE WHITE	PRE JOB SAFETY MEETING

Plug Details

Des	Top (ftKB)	Btm (ftKB)	OD (in)	ID (in)	Run Date	Pull Date	Com
PRESSURE / TEMPERATURE GAUGE	7,618.0	7,620.0	1 1/4		3/23/2015		DOWNHOLE PRESS GAUGE
PRESSURE / TEMPERATURE GAUGE	7,618.0	7,620.0	1 1/4		3/23/2015		DOWNHOLE PRESS GAUGE

Perforation Intervals

Time	Zone	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Gun Size (in)	Com

Tubing Run

Run Time	Tubing Description	Set Depth (ftKB)	Max Nominal OD (in)	Weight/Length (lb/ft)	String Grade
15:00	TUBING - PRODUCTION	7,630.9	3.67	6.50	L-80



AMERICAN ENERGY
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AMERICAN ENERGY - PERMIAN BASIN, LLC
Daily Completion Report

UNIVERSITY 09 0806H
AEPB WELL NO. 32

Report Date 4/3/2015
AFE # DV02085
Total AFE 4,497,200

API 42383392020000	State TEXAS	County REAGAN	Well Config HORIZONTAL	Ground Elevation (ft) 2,671.00	RKB (ft) 30.00	Well Status COMPLETION	Well Sub-Status WORKOVER	Completion Date				
Job Information												
Job Category COMPLETION		Primary Job Type COMPLETION - ORIGINAL		Secondary Job Type		Start Date 1/30/2015		End Date				
AFE Number DV02085		Supplemental AFE Number		Daily Field Est (Cost) 11,840		Cum Field Est (Cost) 3,114,353						
Number of Stages (ft) 41		Lateral Length (ft) 7,138		Time Since LTI (days)		Time Since Reportable Incident (days)						
Daily Contacts												
Contacts CONSLTNT, MIKE COOKE, CRSCNT												
Daily Operations												
Operations Summary MIRU NABORS RIG 912, SAFETY MEET, ND WH, NU BOP, UNSET PKR, TOH W/ TBG & LD PKR, SHUTIN WELL.												
Planned Operations RIH W/ ESP.												
Time Log												
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Activity	Inactive?	Comments	Unschd Typ	NPT				
05:00	14:00	9.00	9.00	FLOWBACK WELL	No	WELL ON FLOW BACK. NO TBG PSI.						
14:00	14:30	0.50	9.50	SAFETY MEETING	No	NABORS RIG 912 ON LOCATION. SAFETY MEETING ON JSA - 15 MINUTES.						
14:30	15:30	1.00	10.50	RIG UP/DOWN	No	MIRU RIG 912.						
15:30	16:00	0.50	11.00	INSTALL BOP'S	No	ND TBG PROD TREE, NU NABORS 5K HYDRALIC BOP. BOP TEST- OK.						
16:00	19:00	3.00	14.00	TRIPPING	No	TOH W/ 1 JT 2 7/8" PROD TBG, 4 2 7/8"TBG SUBS, 229 JTS 2 7/8" 6.5# L-80 8RD EUE PROD TBG, LD PKR & ON/OFF TOOL,6' TBG SUB, XN NIPPLE W/ PSI GAUGES, 10' TBG SUB W/ PIN, 2' TBG SUB. REMOVE PSI GAUGES FROM XN NIPPLE, CARRY TO COLBY'S OFFICE.						
19:00	20:00	1.00	15.00	INSTALL BOP'S	No	SHUTIN WELL, INSTALL NABORS HYDRILL ON BOP.						
20:00	05:00	9.00	24.00	GENERAL OPERATIONS	No	WELL SHUTIN. WAITING ON DAYLIGHT						
Safety Checks												
Time		Type			Inspected By		Description					
14:00		SAFETY MEETING			MIKE COOKE		JSA					
Perforation Intervals												
Time	Zone		Top (ftKB)		Btm (ftKB)		Shot Dens (shots/ft)		Gun Size (in)		Com	
Tubing Run												
Run Time 15:00		Tubing Description TUBING - PRODUCTION			Set Depth (ftKB) 7,630.9		Max Nominal OD (in) 3.67		Weight/Length (lb/ft) 6.50		String Grade L-80	

UNIVERSITY 09 0806H

AEPB WELL NO. 32

API 42383392020000	State TEXAS	County REAGAN	Well Config HORIZONTAL	Ground Elevation (ft) 2,671.00	RKB (ft) 30.00	Well Status COMPLETION	Well Sub-Status WORKOVER	Completion Date		
Job Information										
Job Category COMPLETION		Primary Job Type COMPLETION - ORIGINAL		Secondary Job Type		Start Date 1/30/2015		End Date		
AFE Number DV02085		Supplemental AFE Number		Daily Field Est (Cost) 7,725		Cum Field Est (Cost) 3,122,078				
Number of Stages (ft) 41		Lateral Length (ft) 7,138		Time Since LTI (days)		Time Since Reportable Incident (days)				
Daily Contacts										
Contacts CONSLTNT, MIKE COOKE, CRSCNT										
Daily Operations										
Operations Summary NABORS UNIT CREW TO LOC, SAFETY MEETING, PU & ASSEMBLE BORETS ESP, TIH W/ ESP BANDING TBG , ESP SHORTED OUT, SHUTIN, SDFD.										
Planned Operations POOH W/ ESP TROUBLE SHOOTING SHORT.										
Time Log										
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Activity	Inactive?	Comments		Unschd Typ	NPT	
05:00	07:30	2.50	2.50	INACTIVE	Yes	WELL SHUTIN. W O DAY LIGHT.				
07:30	08:00	0.50	3.00	SAFETY MEETING	No	NABORS UNIT CREW 912 TO LOCATION. SAFETY MEETING ON JSA- 15 MMIINUTES.				
08:00	08:15	0.25	3.25	RECORD PRESSURES	No	CHECK SICP- 30 PSI, BLOW DOWN CSG TO TANK.				
08:15	14:15	6.00	9.25	TRIPPING	No	PU MOTORS FOR ESP, SERVICE MOTORS, TIH W/ MOTORS & PUMPS.				
14:15	16:00	1.75	11.00	TRIPPING	No	TIH W/ TBG & ESP 12 STANDS 2 7/8" 6.5# L-80 PROD TBG & ESP TECH SAID ESP HAD LOW VOLTIGE . TIH W/ 5 MORE STDS TBG & VOLTAGE TEST GOOD.				
16:00	18:15	2.25	13.25	TRIPPING	No	CONTINUE TIH W/ TBG CHECKING VOLTAGE EVERY 10 STDS TBG TEST OK. CONTINUE W/ 10 MORE STDS & CHECK VOLTAGE- VOLTAGE BAD. DISCUSS W/ JOE & DECIDE TO SHUT DOWN FOR DAY & DISCUSS W/ OKC.				
18:15	18:30	0.25	13.50	GENERAL OPERATIONS	No	RD TBG BANDING EQUIP.				
18:30	19:00	0.50	14.00	GENERAL OPERATIONS	No	SHUTIN WELL & SDFD.				
19:00	05:00	10.00	24.00	INACTIVE	Yes	WELL SHUTIN.				
Safety Checks										
Time		Type			Inspected By		Description			
07:15		SAFETY MEETING			MIKE COOKE		JSA			
Perforation Intervals										
Time	Zone		Top (ftKB)		Btm (ftKB)		Shot Dens (shots/ft)		Gun Size (in)	Com
Tubing Run										
Run Time 15:00	Tubing Description TUBING - PRODUCTION			Set Depth (ftKB) 7,630.9		Max Nominal OD (in) 3.67		Weight/Length (lb/ft) 6.50		String Grade L-80



AMERICAN ENERGY
PARTNERS

AMERICAN ENERGY - PERMIAN BASIN, LLC
Daily Completion Report

UNIVERSITY 09 0806H
AEPB WELL NO. 32

Report Date 4/5/2015
AFE # DV02085
Total AFE 4,497,200

API 42383392020000	State TEXAS	County REAGAN	Well Config HORIZONTAL	Ground Elevation (ft) 2,671.00	RKB (ft) 30.00	Well Status COMPLETION	Well Sub-Status WORKOVER	Completion Date
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Job Information

Job Category COMPLETION	Primary Job Type COMPLETION - ORIGINAL	Secondary Job Type	Start Date 1/30/2015	End Date
AFE Number DV02085	Supplemental AFE Number	Daily Field Est (Cost) 10,825	Cum Field Est (Cost)	3,132,903
Number of Stages (ft) 41	Lateral Length (ft) 7,138	Time Since LTI (days)	Time Since Reportable Incident (days)	

Daily Contacts

Contacts CONSLTNT, MIKE COOKE, CRSCNT; FB SUPVR, BRETT HAMMACK, CRSCNT

Daily Operations

Operations Summary NABORS UNIT CREW TO LOC, SAFETY MEET, CHECK SICP, CHECK VOLTAGE ON ESP, FINISH TIH W/ TBG, ND BOP, NU ESP HD, FLOWBACK WELL DAY 11 FLOWBACK
Planned Operations TURN TO FLOW BACK.

Time Log

Start Time	End Time	Dur (hr)	Cum Dur (hr)	Activity	Inactive?	Comments	Unschd Typ	NPT
05:00	07:30	2.50	2.50	INACTIVE	Yes	WELL SHUTIN. W O DAY LIGHT.		
07:30	08:00	0.50	3.00	SAFETY MEETING	No	NABORS UNIT CREW 912 TO LOCATION. SAFETY MEETING ON JSA- 15 MINUTES.		
08:00	08:15	0.25	3.25	RECORD PRESSURES	No	CHECK SITP & SICP- O PSI ON BOTH.		
08:15	10:45	2.50	5.75	TRIPPING	No	FINISH TIH W/ ESP & 214 JTS 2 7/8" 6.5# L-80 PRODUCTION TBG CHECKING VOLTAGE ON ESP (VOLTAGE IRRATIC, DISCUSS W/ JOE & DECIDE TO TRIP ON IN HOLE W/ TBG). NOTE- LAST 22 STANDS WERE BANDED W/ SS BANDS W/ 3 BANDS PER JT -132 SS BANDS. 170 CANNON CLAMPS RUN, 22 CANNON CLAMPS LEFT OUT BECAUSE RAN OUT OF CLAMP NAILS FROM BORETS. TUBING DETAIL: 214 JTS 2 7/8" L-80, 6.5# 8RD EUE PROD TBG (6986.01'), 4.00' 2 7/8" TBG SUB, 1.00' CIR NIPPLE, 10.00' 2 7/8" TBG SUB, BORETS ESP (132.65'), 3 JTS 2 7/8" 6.5# L-80 8RD EUE TAIL PIPE BULL PLUGGED (97.80'). TUBING LANDED - 7261.46' EOT, ESP INLET AT 7133.66'.		
10:45	15:45	5.00	10.75	RIG UP/DOWN	No	RDMO NABORS RIG UNIT/ CREW 912, ND HIGHDRILL, BOPS, TURN WELL OVER TO FLOWBACK		
15:45	16:45	1.00	11.75	RIG UP/DOWN	No	RU PRODUCTION TREE TIE IN FLOWBACK		
16:45	05:00	12.25	24.00	FLOWBACK WELL	No	FLOW BACK VIA ESP		

Safety Checks

Time	Type	Inspected By	Description
07:30	SAFETY MEETING	MIKE COOKE	JSA

Perforation Intervals

Time	Zone	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Gun Size (in)	Com

Tubing Run

Run Time 15:00	Tubing Description TUBING - PRODUCTION	Set Depth (ftKB) 7,630.9	Max Nominal OD (in) 3.67	Weight/Length (lb/ft) 6.50	String Grade L-80
Run Time 11:00	Tubing Description TUBING - PRODUCTION	Set Depth (ftKB) 7,261.5	Max Nominal OD (in) 2 7/8	Weight/Length (lb/ft) 6.50	String Grade L-80