

UNIVERSITY 09 0804H

AEPB WELL NO. 22

API 42383392030000	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 DV02062		Supplemental AFE Number		Daily Field Est (Cost) 1,700		Cum Field Est (Cost) 10,147,644				
Number of Stages (ft) 43		Lateral Length (ft)		Time Since LTI (days) 1,232		Time Since Reportable Incident (days) 1,232				
Daily Contacts										
Contacts COMP SUPER, MIKE WHITE, CRSCNT; COMP SUPVR, CORY PORTER, CRSCNT; COMP SUP, CLAYTON BRUNTZ, LOOP; COMP SUP, JUSTIN STRINGER, LOOP										
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 STG1				
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



AMERICAN ENERGY
PARTNERS

AMERICAN ENERGY - PERMIAN BASIN, LLC
Daily Completion Report

UNIVERSITY 09 0804H
AEPB WELL NO. 22

Report Date 2/24/2015
AFE # DV02062
Total AFE 4,345,700

API 42383392030000	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 DV02062		Supplemental AFE Number			Daily Field Est (Cost) 1,700		Cum Field Est (Cost) 153,178				
Number of Stages (ft) 43		Lateral Length (ft)			Time Since LTI (days) 1,233		Time Since Reportable Incident (days) 1,233				
Daily Contacts											
Contacts COMP SUPER, MIKE WHITE, CRSCNT; COMP SUPVR, CORY PORTER, CRSCNT; COMP SUP, CLAYTON BRUNTZ, LOOP; COMP SUP, JUSTIN STRINGER, LOOP											
Daily Operations											
Operations Summary RIGGING UP TO START 44 STAGE FRAC											
Planned Operations WAITING FOR WEATHER TO ALLOW SAFE ROAD TRAVELS AND FINISH LOADING FRAC SAND AND START STAGE 1 OF 44											
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	RIGGING UP FRAC AND ALL ASSOCIATED VENDORS					
17:00	05:00	12.00	24.00	STANDBY	Yes	WELL SHUT IN AND SECURE , WAITING ON FRAC SAND , WEATHER HAS FORCED THE SAND PLANTS TO STOP HAULING FRAC SAND DUE TO UNSAFE ROAD CONDITIONSS	ENVIRONMENT				
NPT											
Typ		SubTyp		Des		Start Date	End Date	Failed Item	Accountable Party	Dur (hr)	
OTHER		WEATHER		WAITING ON SAFE ROAD CONDITIONS		2/23/2015 17:00	2/24/2015 05:00			12.00	
Safety Checks											
Time		Type			Inspected By			Description			
05:01		SAFETY MEETING			RANDY HAGEN / JIMMY MOORE			PRE JOB SAFETY MEETING			
Perforation Intervals											
Time	Zone			Top (ftKB)		Btm (ftKB)		Shot Dens (shots/ft)		Gun Size (in)	Com



AMERICAN ENERGY - PERMIAN BASIN, LLC
Daily Completion Report

Report Date 2/25/2015
AFE # DV02062
Total AFE 4,345,700

AMERICAN ENERGY
PARTNERS

UNIVERSITY 09 0804H
AEPB WELL NO. 22

API 42383392030000	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 DV02062		Supplemental AFE Number			Daily Field Est (Cost) 243,405		Cum Field Est (Cost) 464,400						
Number of Stages (ft) 43		Lateral Length (ft)			Time Since LTI (days) 1,234		Time Since Reportable Incident (days) 1,234						
Daily Contacts													
Contacts COMP SUPVR, SHAWN WITHERINGTON, CRSCNT; COMP SUP, CLAYTON BRUNTZ, LOOP; COMP SUP, JUSTIN STRINGER, LOOP													
Daily Operations													
Operations Summary FRAC COMPLETED STAGES 1-4 OF 43 AS PER SCHEDULE. WIRELINE PERFORATED STAGES 2-4 RIH FOR STAGE 5 AT REPORT TIME													
Planned Operations FRAC STAGES 5-9 OF 43, PERFORATE STAGES 5-10													
Time Log													
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Activity	Inactive?	Comments	Unschd Typ	NPT					
05:00	12:00	7.00	7.00	STANDBY	Yes	WAITING ON FRAC SAND TO ARRIVE DELAYED BY WEATHER	ENVIRONMENT						
12:00	14:00	2.00	9.00	PRESSURE TEST	No	PRIME UP AND PRESSURE TEST FRAC IRON							
14:00	15:45	1.75	10.75	FRAC. JOB	No	FRAC STAGE 1 OF 43							
15:45	16:15	0.50	11.25	PRESSURE TEST	No	PRESSURE TEST PUMPDOWN IRON TI 8500 PSI							
16:15	18:30	2.25	13.50	PERFORATING	No	PLUG AND PERF STAGE 2 OF 43. PUMP DOWN @ 20 BPM WITH MAX PSI OF 4900. TOTAL OF 359 BBLs PUMPED. PLUG SET WITH A TENSION LOSS OF 90 LBS AT A DEPTH OF 14809',							
18:30	20:15	1.75	15.25	FRAC. JOB	No	FRAC STAGE 2 OF 43							
20:15	22:00	1.75	17.00	PERFORATING	No	PLUG AND PERF STAGE 3 OF 43. PUMP DOWN @ 20 BPM WITH MAX PSI OF 4800. TOTAL OF 320 BBLs PUMPED. PLUG SET WITH A TENSION LOSS OF 5 LBS AT A DEPTH OF 14,652', PLUG WAS TAGGED TO ENSURE SET.							
22:00	22:30	0.50	17.50	DOWNTIME	No	PRESSURE TEST, PROBLEMS WITH ACID TRANSPORT, PROBLEMS WITH CHEMICAL ADD PUMP	EQUIPMENT REPAIRS	Yes					
22:30	00:30	2.00	19.50	FRAC. JOB	No	FRAC STAGE 3 OF 43							
00:30	02:15	1.75	21.25	PERFORATING	No	PLUG AND PERF STAGE 4 OF 43. PUMP DOWN @ 20 BPM WITH MAX PSI OF 4900. TOTAL OF 295 BBLs PUMPED. PLUG SET WITH A TENSION LOSS OF 90 LBS AT A DEPTH OF 14,505',							
02:15	02:45	0.50	21.75	GENERAL OPERATIONS	No	GREASE FRAC STACK AND MANIFOLD							
02:45	04:15	1.50	23.25	FRAC. JOB	No	FRAC STAGE 4 OF 43							
04:15	05:00	0.75	24.00	PERFORATING	No	RIH FOR STAGE 5 AT REPORT TIME							
NPT													
Typ		SubTyp		Des		Start Date	End Date	Failed Item	Accountable Party	Dur (hr)			
OTHER		WEATHER		WAITING ON FRAC SAND TO ARRIVE DELAYED BY WEATHER		2/24/2015 05:00	2/24/2015 10:00			5.00			
SURFACE EQUIPMENT		FRAC		ADD PUMPS AND ACID		2/24/2015 22:00	2/24/2015 22:30			0.50			
Safety Checks													
Time		Type				Inspected By			Description				
05:01		SAFETY MEETING				JUSTIN STRINGER/CLAYTON BRUNTZ			PRE JOB SAFETY MEETING				
17:00		SAFETY MEETING				SHAWN WITHERINGTON			PRE JOB SAFETY MEETING				
Plug Details													
Des		Top (ftKB)		Btm (ftKB)		OD (in)		ID (in)		Run Date	Pull Date	Com	
FRAC PLUG		14,809.0		14,811.0		4 3/8				2/24/2015		STAGE 2	
FRAC PLUG		14,652.0		14,654.0		4 3/8				2/24/2015		STAGE 3	
FRAC PLUG		14,505.0		14,507.0		4 3/8				2/25/2015		STAGE 4	
Perforation Intervals													
Time		Zone		Top (ftKB)		Btm (ftKB)		Shot Dens (shots/ft)		Gun Size (in)		Com	
01:30		WOLFCAMP A, ORIGINAL HOLE		14,368.0		14,369.0		6.0		3 1/8			
01:30		WOLFCAMP A, ORIGINAL HOLE		14,396.0		14,397.2		6.0		3 1/8			
01:30		WOLFCAMP A, ORIGINAL HOLE		14,428.0		14,429.2		6.0		3 1/8			
01:30		WOLFCAMP A, ORIGINAL HOLE		14,458.0		14,459.2		6.0		3 1/8			
01:30		WOLFCAMP A, ORIGINAL HOLE		14,486.0		14,487.3		6.0		3 1/8			
21:20		WOLFCAMP A, ORIGINAL HOLE		14,520.0		14,521.0		6.0		3 1/8			
21:20		WOLFCAMP A, ORIGINAL HOLE		14,550.0		14,551.2		6.0		3 1/8			
21:20		WOLFCAMP A, ORIGINAL HOLE		14,577.0		14,578.2		6.0		3 1/8			
21:20		WOLFCAMP A, ORIGINAL HOLE		14,610.0		14,611.2		6.0		3 1/8			
21:20		WOLFCAMP A, ORIGINAL HOLE		14,640.0		14,641.3		6.0		3 1/8			
17:33		WOLFCAMP A, ORIGINAL HOLE		14,672.0		14,673.0		6.0		3 1/8			
17:33		WOLFCAMP A, ORIGINAL HOLE		14,702.0		14,703.2		6.0		3 1/8			
17:33		WOLFCAMP A, ORIGINAL HOLE		14,732.0		14,733.2		6.0		3 1/8			
17:33		WOLFCAMP A, ORIGINAL HOLE		14,762.0		14,763.2		6.0		3 1/8			
17:33		WOLFCAMP A, ORIGINAL HOLE		14,788.0		14,789.3		6.0		3 1/8			
Stimulations & Treatments													
STAGE 1 - HYDRAULIC FRAC on 2/24/2015 14:10													
Date 2/24/2015		Type HYDRAULIC FRAC			Zone WOLFCAMP A, ORIGINAL HOLE			Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC		Comment TRACERS FFI-4100 STAGES 32-44			
P Pre SI (psi) 1,445.0	ISIP (psi) 3,696.0	P Post SI (psi) 3,216.0	5 min SI (psi) 3154	10 min SI (psi)	15 min SI (psi)	P Break (psi) 3,938.0	BD Rate (bbl/min) 10	Q Treat Min... 65	Q Treat Max... 71	Q Treat Avg... 69	Avg Treat Pr... 6,845.0	Proppant De... 245,000	Prop Placed... 247,303
Max Treat Pressure (psi) 7,212.0			Avg Treat Pressure (psi) 6,845.0			Max Treat Rate (bbl/min) 71			Avg Treat Rate (bbl/min) 69			V clean+slurry (bbl) 6069,26	
Total Add Amount BIO 15-G 73 gal; FFI 3000 11 gal; PROPPANT 100 MESH 33980 lb; PROPPANT 40/70 WHITE 213323 lb; WFR-5 193 gal													
STAGE 2 - HYDRAULIC FRAC on 2/24/2015 18:34													
Date 2/24/2015		Type HYDRAULIC FRAC			Zone WOLFCAMP A, ORIGINAL HOLE			Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC		Comment TRACERS FFI-4100 STAGES 32-44			
P Pre SI (psi) 1,900.0	ISIP (psi) 3,920.0	P Post SI (psi) 3,835.0	5 min SI (psi) 3100	10 min SI (psi)	15 min SI (psi)	P Break (psi) 3,095.0	BD Rate (bbl/min) 10	Q Treat Min... 54	Q Treat Max... 76	Q Treat Avg... 73	Avg Treat Pr... 6,894.0	Proppant De... 245,000	Prop Placed... 249,335
Max Treat Pressure (psi) 7,602.0			Avg Treat Pressure (psi) 6,894.0			Max Treat Rate (bbl/min) 76			Avg Treat Rate (bbl/min) 73			V clean+slurry (bbl) 5622,26	
Total Add Amount BIO 15-G 70 gal; FFI 3000 11 gal; PROPPANT 100 MESH 34000 lb; PROPPANT 40/70 WHITE 215335 lb; WFR-5 173 gal													
STAGE 3 - HYDRAULIC FRAC on 2/24/2015 22:34													
Date 2/24/2015		Type HYDRAULIC FRAC			Zone WOLFCAMP A, ORIGINAL HOLE			Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC		Comment TRACERS FFI-4100 STAGES 32-44			
P Pre SI (psi) 1,958.0	ISIP (psi) 4,023.0	P Post SI (psi) 4,650.0	5 min SI (psi) 2980	10 min SI (psi)	15 min SI (psi)	P Break (psi) 3,299.0	BD Rate (bbl/min) 10	Q Treat Min... 55	Q Treat Max... 76	Q Treat Avg... 68	Avg Treat Pr... 7,003.0	Proppant De... 245,000	Prop Placed... 249,449
Max Treat Pressure (psi) 7,501.0			Avg Treat Pressure (psi) 7,003.0			Max Treat Rate (bbl/min) 76			Avg Treat Rate (bbl/min) 68			V clean+slurry (bbl) 5865,26	
Total Add Amount BIO 15-G 76 gal; FFI 3000 11 gal; PROPPANT 100 MESH 33940 lb; PROPPANT 40/70 WHITE 215509 lb; WFR-5 179 gal													



UNIVERSITY 09 0804H
AEPB WELL NO. 22

Report Date	2/25/2015
AFE #	DV02062
Total AFE	4,345,700

Stimulations & Treatments													
STAGE 4 - HYDRAULIC FRAC on 2/25/2015 02:45													
Date 2/25/2015	Type HYDRAULIC FRAC				Zone WOLFCAMP A, ORIGINAL HOLE				Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC		Comment TRACERS FFI-4100 STAGES 32-44		
P Pre SI (psi) 1,954.0	ISIP (psi) 3,923.0	P Post SI (psi) 4,117.0	5 min SI (psi) 3462	10 min SI (psi)	15 min SI (psi)	P Break (psi) 3,119.0	BD Rate (bbl/min) 10	Q Treat Min... 51	Q Treat Max... 76	Q Treat Avg... 68	Avg Treat Pr... 6,642.0	Proppant De... 245,000	Prop Placed... 248,703
Max Treat Pressure (psi) 7,283.0			Avg Treat Pressure (psi) 6,642.0			Max Treat Rate (bbl/min) 76			Avg Treat Rate (bbl/min) 68		V clean+slurry (bbl) 5516.26		
Total Add Amount BIO 15-G 65 gal; FFI 3000 11 gal; PROPPANT 100 MESH 34020 lb; PROPPANT 40/70 WHITE 214683 lb; WFR-5 168 gal													



AMERICAN ENERGY - PERMIAN BASIN, LLC
Daily Completion Report

Report Date 2/26/2015
AFE # DV02062
Total AFE 4,345,700

AMERICAN ENERGY
PARTNERS

UNIVERSITY 09 0804H
AEPB WELL NO. 22

API 42383392030000	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 DV02062		Supplemental AFE Number			Daily Field Est (Cost) 351,961		Cum Field Est (Cost) 816,361		
Number of Stages (ft) 43		Lateral Length (ft)			Time Since LTI (days) 1,235		Time Since Reportable Incident (days) 1,235		
Daily Contacts									
Contacts COMP SUPVR, SHAWN WITHERINGTON, CRSCNT; COMP SUP, CLAYTON BRUNTZ, LOOP; COMP SUP, JUSTIN STRINGER, LOOP									
Daily Operations									
Operations Summary FRAC COMPLETED STAGES 5-10 OF 43 AS PER SCHEDULE. WIRELINE PERFORATED STAGES 5-11									
Planned Operations FRAC STAGES 11-15 OF 43, PERFORATE STAGES 12-16									
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	PERFORATING	No	PLUG AND PERF STAGE 5 OF 43. PUMP DOWN @ 20 BPM WITH MAX PSI OF 4900. TOTAL OF 307 BBLs PUMPED. PLUG SET WITH A TENSION LOSS OF 60 LBS AT A DEPTH OF 14,350',			
05:45	06:15	0.50	1.25	PRESSURE TEST	No	PRESSURE TEST FRAC IRON			
06:15	08:15	2.00	3.25	FRAC. JOB	No	FRAC STAGE 5 OF 43			
08:15	09:45	1.50	4.75	PERFORATING	No	PLUG AND PERF STAGE 6 OF 43. PUMP DOWN @ 20 BPM WITH MAX PSI OF 5000. TOTAL OF 308 BBLs PUMPED. PLUG SET WITH A TENSION LOSS OF 70 LBS AT A DEPTH OF 14,198',			
09:45	10:15	0.50	5.25	DOWNTIME	No	CHANGE FLOWBACK IRON AND PUMPDOWN IRON SO WE CAN SPIN THE CAGE SURROUNDING THE 09-0812 H AND HAVE IT FIT CORRECTLY TO GIVE ACCESS TO THE CASING VALVES		Yes	
10:15	12:00	1.75	7.00	FRAC. JOB	No	FRAC STAGE 6 OF 43			
12:00	13:45	1.75	8.75	PERFORATING	No	PLUG AND PERF STAGE 7 OF 43. PUMP DOWN @ 20 BPM WITH MAX PSI OF 4750. TOTAL OF 294 BBLs PUMPED. PLUG SET WITH A TENSION LOSS OF 70 LBS AT A DEPTH OF 14,049',			
13:45	14:15	0.50	9.25	GENERAL OPERATIONS	No	GREASE WELLHEAD AND MANIFOLD AFTER STAGE 6			
14:15	14:45	0.50	9.75	FRAC. JOB	No	START FRAC STAGE 7 OF 43			
14:45	15:15	0.50	10.25	DOWNTIME	No	HAD TO SHUT DOWN AND CHANGE OUT CABLE TO THE FLOW METER ON THE BLENDER AFTER DISPLACING ACID , THAN RESTART DATA VAN COMPUTERS, CAME BACK UP ON RATE FINISHED PAD AND FINISHED THE STAGE AS PER DESIGN	EQUIPMENT FAILURE	Yes	
15:15	16:30	1.25	11.50	FRAC. JOB	No	FINISH FRAC STAGE 7 OF 43			
16:30	18:15	1.75	13.25	PERFORATING	No	PLUG AND PERF STAGE 8 OF 43. PUMP DOWN @ 18 BPM WITH MAX PSI OF 4200. TOTAL OF 282 BBLs PUMPED. PLUG SET WITH A TENSION LOSS OF 5 LBS AT A DEPTH OF 13,987', TAGGED PLUG TO INSURE SET.			
18:15	18:45	0.50	13.75	DOWNTIME	No	REPLACE PUMP, PSI TEST FRAC IRON.	EQUIPMENT REPAIRS	Yes	
18:45	20:30	1.75	15.50	FRAC. JOB	No	FRAC STAGE 8 OF 43			
20:30	22:15	1.75	17.25	PERFORATING	No	PLUG AND PERF STAGE 9 OF 43. PUMP DOWN @ 20 BPM WITH MAX PSI OF 4600. TOTAL OF 268 BBLs PUMPED. PLUG SET WITH A TENSION LOSS OF 5 LBS AT A DEPTH OF 13,745', TAGGED PLUG DUE TO LOW TENSION LOSS.			
22:15	00:00	1.75	19.00	FRAC. JOB	No	FRAC STAGE 9 OF 43			
00:00	01:30	1.50	20.50	PERFORATING	No	PLUG AND PERF STAGE 10 OF 43. PUMP DOWN @ 18 BPM WITH MAX PSI OF 4300. TOTAL OF 261 BBLs PUMPED. PLUG SET WITH A TENSION LOSS OF 0 LBS AT A DEPTH OF 13,593', TAGGED PLUG 2 TIMES DUE TO 0 LB TENSION LOSS.			
01:30	02:00	0.50	21.00	GENERAL OPERATIONS	No	GREASE FRAC STACK & MANIFOLD			
02:00	03:45	1.75	22.75	FRAC. JOB	No	FRAC STAGE 10 OF 43			
03:45	05:00	1.25	24.00	PERFORATING	No	PLUG AND PERF STAGE 11 OF 43. PUMP DOWN @ 18 BPM WITH MAX PSI OF 4400. TOTAL OF 270 BBLs PUMPED. PLUG SET WITH A TENSION LOSS OF 0 LBS AT A DEPTH OF 13,593', TAGGED PLUG TO 0 LB TENSION LOSS. POOH AT REPORT TIME			
NPT									
Typ		SubTyp	Des		Start Date	End Date	Failed Item	Accountable Party	Dur (hr)
SURFACE EQUIPMENT		FRAC IRON	FIX IRON TO FIT CAGE ON 0812		2/25/2015 09:45	2/25/2015 10:15		AMERICAN ENERGY PERMIAN BASIN	0.50
SURFACE EQUIPMENT		BLENDER	SWAP FLOW METER CABLES AND MAGNETIC PICKUP		2/25/2015 14:45	2/25/2015 15:15		UNIVERSAL PRESSURE PUMPING INC	0.50
SURFACE EQUIPMENT		PUMPS	SWAP OUT PUMP, PSI TEST LINES		2/25/2015 18:15	2/25/2015 18:45		UNIVERSAL PRESSURE PUMPING INC	0.50
Safety Checks									
Time		Type			Inspected By		Description		
05:01		SAFETY MEETING			JUSTIN STRINGER/CLAYTON BRUNTZ		PRE JOB SAFETY MEETING		
17:00		SAFETY MEETING			SHAWN WITHERINGTON		PRE JOB SAFETY MEETING		
Plug Details									
Des		Top (ftKB)	Btm (ftKB)	OD (in)	ID (in)	Run Date	Pull Date	Com	
FRAC PLUG		14,350.0	14,352.0	4 3/8		2/25/2015		STAGE 5	
FRAC PLUG		14,198.0	14,200.0	4 3/8		2/25/2015		STAGE 6	
FRAC PLUG		14,049.0	14,051.0	4 3/8		2/25/2015		STAGE 7	
FRAC PLUG		13,897.0	13,899.0	4 3/8		2/25/2015		STAGE 8	
FRAC PLUG		13,745.0	13,747.0	4 3/8		2/25/2015		STAGE 9	
FRAC PLUG		13,441.0	13,443.0	4 3/8		2/26/2015		STAGE 11	
Perforation Intervals									
Time	Zone		Top (ftKB)		Btm (ftKB)		Shot Dens (shots/ft)	Gun Size (in)	Com
04:26	WOLFCAMP A, ORIGINAL HOLE		13,304.0		13,305.0		6.0	3 1/8	
04:26	WOLFCAMP A, ORIGINAL HOLE		13,334.0		13,335.2		6.0	3 1/8	
04:26	WOLFCAMP A, ORIGINAL HOLE		13,369.0		13,370.2		6.0	3 1/8	
04:26	WOLFCAMP A, ORIGINAL HOLE		13,394.0		13,395.2		6.0	3 1/8	
04:26	WOLFCAMP A, ORIGINAL HOLE		13,424.0		13,425.3		6.0	3 1/8	
21:13	WOLFCAMP A, ORIGINAL HOLE		13,608.0		13,609.0		6.0	3 1/8	
21:13	WOLFCAMP A, ORIGINAL HOLE		13,638.0		13,639.2		6.0	3 1/8	
21:13	WOLFCAMP A, ORIGINAL HOLE		13,668.0		13,668.2		6.0	3 1/8	
21:13	WOLFCAMP A, ORIGINAL HOLE		13,698.0		13,699.2		6.0	3 1/8	
21:13	WOLFCAMP A, ORIGINAL HOLE		13,728.0		13,729.3		6.0	3 1/8	
17:15	WOLFCAMP A, ORIGINAL HOLE		13,760.0		13,761.0		6.0	3 1/8	
17:15	WOLFCAMP A, ORIGINAL HOLE		13,790.0		13,791.2		6.0	3 1/8	
17:15	WOLFCAMP A, ORIGINAL HOLE		13,820.0		13,821.2		6.0	3 1/8	
17:15	WOLFCAMP A, ORIGINAL HOLE		13,850.0		13,851.2		6.0	3 1/8	
17:15	WOLFCAMP A, ORIGINAL HOLE		13,880.0		13,881.3		6.0	3 1/8	
12:45	WOLFCAMP A, ORIGINAL HOLE		13,912.0		13,913.0		6.0	3 1/8	
12:45	WOLFCAMP A, ORIGINAL HOLE		13,942.0		13,943.2		6.0	3 1/8	
12:45	WOLFCAMP A, ORIGINAL HOLE		13,972.0		13,973.2		6.0	3 1/8	
12:45	WOLFCAMP A, ORIGINAL HOLE		14,002.0		14,003.2		6.0	3 1/8	
12:45	WOLFCAMP A, ORIGINAL HOLE		14,032.0		14,033.3		6.0	3 1/8	
09:00	WOLFCAMP A, ORIGINAL HOLE		14,064.0		14,065.0		6.0	3 1/8	
09:00	WOLFCAMP A, ORIGINAL HOLE		14,094.0		14,095.2		6.0	3 1/8	
09:00	WOLFCAMP A, ORIGINAL HOLE		14,120.0		14,121.2		6.0	3 1/8	
09:00	WOLFCAMP A, ORIGINAL HOLE		14,154.0		14,155.2		6.0	3 1/8	
09:00	WOLFCAMP A, ORIGINAL HOLE		14,184.0		14,185.3		6.0	3 1/8	



UNIVERSITY 09 0804H
AEPB WELL NO. 22

Report Date	2/26/2015
AFE #	DV02062
Total AFE	4,345,700

Perforation Intervals														
Time	Zone				Top (ftKB)		Btm (ftKB)		Shot Dens (shots/ft)		Gun Size (in)		Com	
05:00	WOLFCAMP A, ORIGINAL HOLE				14,212.0		14,213.0		6.0		3 1/8			
05:00	WOLFCAMP A, ORIGINAL HOLE				14,246.0		14,247.2		6.0		3 1/8			
05:00	WOLFCAMP A, ORIGINAL HOLE				14,276.0		14,277.2		6.0		3 1/8			
05:00	WOLFCAMP A, ORIGINAL HOLE				14,304.0		14,305.2		6.0		3 1/8			
05:00	WOLFCAMP A, ORIGINAL HOLE				14,336.0		14,337.3		6.0		3 1/8			
Stimulations & Treatments														
STAGE 5 - HYDRAULIC FRAC on 2/25/2015 06:36														
Date 2/25/2015		Type HYDRAULIC FRAC				Zone WOLFCAMP A, ORIGINAL HOLE				Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC		Comment TRACERS FFI-4100 STAGES 1-10		
P Pre SI (psi) 1,775.0	ISIP (psi) 3,846.0	P Post SI (psi) 3,846.0	5 min SI (psi) 3100	10 min SI (psi)	15 min SI (psi)	P Break (psi) 5,207.0	BD Rate (bbl... 10	Q Treat Min... 10	Q Treat Max... 75	Q Treat Avg... 68	Avg Treat Pr... 6,487.2	Proppant De... 245,000	Prop Placed... 248,693	
Max Treat Pressure (psi) 6,964.0			Avg Treat Pressure (psi) 6,487.2			Max Treat Rate (bbl/min) 75			Avg Treat Rate (bbl/min) 68			V clean+slurry (bbl) 6185.26		
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 BIOCIDE 72 gal; FFI 4100 CHEMICAL TRACER 11 gal; PROPPANT 100 MESH 33740 lb; PROPPANT 40/70 WHITE 214953 lb; WFR														
STAGE 6 - HYDRAULIC FRAC on 2/25/2015 10:15														
Date 2/25/2015		Type HYDRAULIC FRAC				Zone WOLFCAMP A, ORIGINAL HOLE				Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC		Comment TRACERS FFI-4100 STAGES 1-10		
P Pre SI (psi) 1,643.0	ISIP (psi) 3,925.0	P Post SI (psi) 3,925.0	5 min SI (psi) 3275	10 min SI (psi)	15 min SI (psi)	P Break (psi) 4,962.0	BD Rate (bbl... 10	Q Treat Min... 74	Q Treat Max... 75	Q Treat Avg... 75	Avg Treat Pr... 6,688.4	Proppant De... 245,000	Prop Placed... 248,816	
Max Treat Pressure (psi) 7,295.0			Avg Treat Pressure (psi) 6,688.4			Max Treat Rate (bbl/min) 75			Avg Treat Rate (bbl/min) 75			V clean+slurry (bbl) 6166.26		
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 BIOCIDE 70 gal; FFI 4100 CHEMICAL TRACER 11 gal; PROPPANT 100 MESH 34040 lb; PROPPANT 40/70 WHITE 214776 lb; WFR														
STAGE 7 - HYDRAULIC FRAC on 2/25/2015 13:15														
Date 2/25/2015		Type HYDRAULIC FRAC				Zone WOLFCAMP A, ORIGINAL HOLE				Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC		Comment TRACERS FFI-4100 STAGES 1-10 FRAC STAGE 7 OF 43 HAD TO SHUT DOWN AND CHANGE OUT CABLE TO THE FLOW METER ON THE BLENDER AFTER DISPLACING ACID , THAN RESTART DATA VAN COMPUTERS, CAME BACK UP ON RATE FINISHED PAD AND FINISHED THE STAGE AS PER DESIGN		
P Pre SI (psi) 1,743.0	ISIP (psi) 3,580.0	P Post SI (psi) 3,580.0	5 min SI (psi) 3275	10 min SI (psi)	15 min SI (psi)	P Break (psi) 5,146.0	BD Rate (bbl... 10	Q Treat Min... 10	Q Treat Max... 75	Q Treat Avg... 75	Avg Treat Pr... 5,698.0	Proppant De... 245,000	Prop Placed... 249,380	
Max Treat Pressure (psi) 7,072.0			Avg Treat Pressure (psi) 5,698.0			Max Treat Rate (bbl/min) 75			Avg Treat Rate (bbl/min) 75			V clean+slurry (bbl) 5902.26		
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 BIOCIDE 70 gal; FFI 4100 CHEMICAL TRACER 11 gal; PROPPANT 100 MESH 34040 lb; PROPPANT 40/70 WHITE 215460 lb; WFR														
STAGE 8 - HYDRAULIC FRAC on 2/25/2015 18:52														
Date 2/25/2015		Type HYDRAULIC FRAC				Zone WOLFCAMP A, ORIGINAL HOLE				Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC		Comment TRACERS FFI-4100 STAGES 1-10		
P Pre SI (psi) 1,591.0	ISIP (psi) 3,772.0	P Post SI (psi) 3,640.0	5 min SI (psi) 3152	10 min SI (psi)	15 min SI (psi)	P Break (psi) 4,991.0	BD Rate (bbl... 10	Q Treat Min... 75	Q Treat Max... 76	Q Treat Avg... 76	Avg Treat Pr... 6,617.0	Proppant De... 245,000	Prop Placed... 249,293	
Max Treat Pressure (psi) 7,439.0			Avg Treat Pressure (psi) 6,617.0			Max Treat Rate (bbl/min) 76			Avg Treat Rate (bbl/min) 76			V clean+slurry (bbl) 6009.26		
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 BIOCIDE 68 gal; FFI 4100 CHEMICAL TRACER 11 gal; PROPPANT 100 MESH 34080 lb; PROPPANT 40/70 WHITE 215253 lb; WFR														
STAGE 9 - HYDRAULIC FRAC on 2/25/2015 22:13														
Date 2/25/2015		Type HYDRAULIC FRAC				Zone WOLFCAMP A, ORIGINAL HOLE				Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC		Comment TRACERS FFI-4100 STAGES 1-10		
P Pre SI (psi) 1,810.0	ISIP (psi) 3,757.0	P Post SI (psi) 3,346.0	5 min SI (psi) 2859	10 min SI (psi)	15 min SI (psi)	P Break (psi) 4,993.0	BD Rate (bbl... 10	Q Treat Min... 76	Q Treat Max... 76	Q Treat Avg... 76	Avg Treat Pr... 6,559.0	Proppant De... 245,000	Prop Placed... 249,560	
Max Treat Pressure (psi) 7,341.0			Avg Treat Pressure (psi) 6,559.0			Max Treat Rate (bbl/min) 76			Avg Treat Rate (bbl/min) 76			V clean+slurry (bbl) 5938.26		
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 BIOCIDE 61 gal; FFI 4100 CHEMICAL TRACER 11 gal; PROPPANT 100 MESH 34080 lb; PROPPANT 40/70 WHITE 215480 lb; WFR														
STAGE 10 - HYDRAULIC FRAC on 2/26/2015 02:07														
Date 2/26/2015		Type HYDRAULIC FRAC				Zone WOLFCAMP A, ORIGINAL HOLE				Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC		Comment TRACERS FFI-4100 STAGES 1-10		
P Pre SI (psi) 1,570.0	ISIP (psi) 3,869.0	P Post SI (psi) 3,784.0	5 min SI (psi) 3400	10 min SI (psi)	15 min SI (psi)	P Break (psi) 5,236.0	BD Rate (bbl... 10	Q Treat Min... 75	Q Treat Max... 76	Q Treat Avg... 76	Avg Treat Pr... 6,506.0	Proppant De... 245,000	Prop Placed... 250,260	
Max Treat Pressure (psi) 7,455.0			Avg Treat Pressure (psi) 6,506.0			Max Treat Rate (bbl/min) 76			Avg Treat Rate (bbl/min) 76			V clean+slurry (bbl) 10551.26		
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 BIOCIDE 63 gal; FFI 4100 CHEMICAL TRACER 11 gal; PROPPANT 100 MESH 34020 lb; PROPPANT 40/70 WHITE 216240 lb; WFR														



AMERICAN ENERGY
PARTNERS

AMERICAN ENERGY - PERMIAN BASIN, LLC
Daily Completion Report

UNIVERSITY 09 0804H
AEPB WELL NO. 22

Report Date 2/27/2015
AFE # DV02062
Total AFE 4,345,700

API 42383392030000	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 DV02062			Supplemental AFE Number		Daily Field Est (Cost) 381,686		Cum Field Est (Cost) 1,198,047	
Number of Stages (ft) 43			Lateral Length (ft) 7,022		Time Since LTI (days) 1,236		Time Since Reportable Incident (days) 1,236	

Daily Contacts								
Contacts COMP SUPVR, SHAWN WITHERINGTON, CRSCNT; COMP SUP, CLAYTON BRUNTZ, LOOP; COMP SUP, JUSTIN STRINGER, LOOP								
Daily Operations								
Operations Summary UNIVERSAL PRESSURE PUMPING FRAC COMPLETED STAGES 11 - 17 OF 43 AS PER SCHEDULE. CASEDHOLE SOLUTIONS WIRELINE PERFORATED STAGES 12 - 17								
Planned Operations WE ANTICIPATE UNIVERSAL PRESSURE PUMPING TO FRAC STAGES 18-23 OF 43, CASEDHOLE SOLUTIONS TO PERFORATE STAGES 18-24 OF 43								

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	PERFORATING	No	FINISHED PEROFRATING STAGE 11 OF 43 RIGHT AT SHIFT CHANGE ,POOH		
05:15	07:00	1.75	2.00	FRAC. JOB	No	UNIVERSAL PRESSURE PUMPING SUCCESFULLY COMPLETED FRAC STAGE 11 OF 43		
07:00	08:45	1.75	3.75	PERFORATING	No	PLUG AND PERF STAGE 12 OF 43. PUMP DOWN @ 20 BPM WITH MAX PSI OF 4700. TOTAL OF 259 BBLS PUMPED. PLUG SET WITH A TENSION LOSS OF 120 LBS AT A DEPTH OF 13,289',		
08:45	10:30	1.75	5.50	FRAC. JOB	No	UNIVERSAL PRESSURE PUMPING SUCCESFULLY COMPLETED FRAC STAGE 12 OF 43		
10:30	12:00	1.50	7.00	PERFORATING	No	PLUG AND PERF STAGE 13 OF 43. PUMP DOWN @ 20 BPM WITH MAX PSI OF 4900. TOTAL OF 267 BBLS PUMPED. PLUG SET WITH A TENSION LOSS OF 70 LBS AT A DEPTH OF 13,130',		
12:00	12:30	0.50	7.50	GENERAL OPERATIONS	No	GREASE WELLHEAD AND MANIFOLD AFTER FRAC COMPLETED STAGE 12 AND WIRELINE FINISHED PERFORATING STAGE 13		
12:30	14:00	1.50	9.00	FRAC. JOB	No	UNIVERSAL PRESSURE PUMPING SUCCESFULLY COMPLETED FRAC STAGE 13 OF 43		
14:00	15:30	1.50	10.50	PERFORATING	No	PLUG AND PERF STAGE 14 OF 43. PUMP DOWN @ 20 BPM WITH MAX PSI OF 4800TOTAL OF 247 BBLS PUMPED. PLUG SET WITH A TENSION LOSS OF 90LBS AT A DEPTH OF 12,979',		
15:30	17:00	1.50	12.00	FRAC. JOB	No	UNIVERSAL PRESSURE PUMPING SUCCESFULLY COMPLETED FRAC STAGE 14 OF 43		
17:00	18:15	1.25	13.25	PERFORATING	No	PLUG AND PERF STAGE 15 OF 43. PUMP DOWN @ 20 BPM WITH MAX PSI OF 4700 TOTAL OF 234 BBLS PUMPED. PLUG SET WITH A TENSION LOSS OF 95LBS AT A DEPTH OF 12,833',		
18:15	20:00	1.75	15.00	FRAC. JOB	No	UNIVERSAL PRESSURE PUMPING SUCCESFULLY COMPLETED FRAC STAGE 15 OF 43		
20:00	21:30	1.50	16.50	PERFORATING	No	PLUG AND PERF STAGE 16 OF 43. PUMP DOWN @ 20 BPM WITH MAX PSI OF 4500 TOTAL OF 261 BBLS PUMPED. PLUG SET WITH A TENSION LOSS OF 0 LBS AT A DEPTH OF 12,681', TAGGED PLUG DUE TO 0 LBS OF TENSION LOSS.		
21:30	22:15	0.75	17.25	GENERAL OPERATIONS	No	GREASE WELLHEAD AND MANIFOLD AFTER FRAC COMPLETED STAGE 15 AND WIRELINE FINISHED PERFORATING STAGE 16.		
22:15	23:15	1.00	18.25	FRAC. JOB	No	START STAGE 16 FRAC. SHUT DOWN DURING 1 PPA 100 MESH STAGE DUE TO LOSS OF WATER TRANSFER. FLUSHED WELL.		
23:15	00:30	1.25	19.50	DOWNTIME	No	DOWN FOR TETRA DUE TO WATER TRANSFER ISSUES	EQUIPMENT FAILURE	Yes
00:30	01:30	1.00	20.50	FRAC. JOB	No	RESTART AND COMPLETE STAGE 16 OF 43 LOST WATER ON 1.00 LB.GAL 40/70 HAD TO SHUTDOWN . ONCE TETRA REESTABLISHED A WATER TRANSFER RATE WE STARTED 40/70 AND .50 WENT TO 1.00 THAN STAGE 1.50 LB/GAL 40/70 AND FINISHED STAGE AS PER SCHEDULE		
01:30	03:00	1.50	22.00	PERFORATING	No	PLUG AND PERF STAGE 17 OF 43. PUMP DOWN @ 20 BPM WITH MAX PSI OF 4600 TOTAL OF 227 BBLS PUMPED. PLUG SET WITH A TENSION LOSS OF 170 LBS AT A DEPTH OF 12,531',		
03:00	04:45	1.75	23.75	FRAC. JOB	No	UNIVERSAL PRESSURE PUMPING SUCCESFULLY COMPLETED FRAC STAGE 17 OF 43		
04:45	05:00	0.25	24.00	PERFORATING	No	RIH FOR STAGE 18 AT REPORT TIME		

NPT							
Typ	SubTyp	Des	Start Date	End Date	Failed Item	Accountable Party	Dur (hr)
SURFACE EQUIPMENT	WATER TRANSFER	LOST PRIME DURING FRAC	2/26/2015 23:15	2/27/2015 00:00			0.75

Safety Checks			
Time	Type	Inspected By	Description
05:01	SAFETY MEETING	JUSTIN STRINGER/CLAYTON BRUNTZ	PRE JOB SAFETY MEETING
17:00	SAFETY MEETING	SHAWN WITHERINGTON	PRE JOB SAFETY MEETING

Plug Details							
Des	Top (ftKB)	Btm (ftKB)	OD (in)	ID (in)	Run Date	Pull Date	Com
FRAC PLUG	13,289.0	13,291.0	4 3/8		2/26/2015		STAGE 12
FRAC PLUG	13,130.0	13,132.0	4 3/8		2/26/2015		STAGE 13
FRAC PLUG	12,979.0	12,981.0	4 3/8		2/26/2015		STAGE 14
FRAC PLUG	12,833.0	12,835.0	4 3/8		2/26/2015		STAGE 15
FRAC PLUG	12,681.0	12,683.0	4 3/8		2/26/2015		STAGE 16
FRAC PLUG	12,531.0	12,533.0	4 3/8		2/27/2015		STAGE 17

Perforation Intervals						
Time	Zone	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Gun Size (in)	Com
02:25	WOLFCAMP A, ORIGINAL HOLE	12,397.0	12,398.0	6.0	3 1/8	
02:25	WOLFCAMP A, ORIGINAL HOLE	12,422.0	12,423.2	6.0	3 1/8	
02:25	WOLFCAMP A, ORIGINAL HOLE	12,452.0	12,453.2	6.0	3 1/8	
02:25	WOLFCAMP A, ORIGINAL HOLE	12,487.0	12,488.2	6.0	3 1/8	
02:25	WOLFCAMP A, ORIGINAL HOLE	12,512.0	12,513.3	6.0	3 1/8	
20:45	WOLFCAMP A, ORIGINAL HOLE	12,544.0	12,545.0	6.0	3 1/8	
20:45	WOLFCAMP A, ORIGINAL HOLE	12,577.0	12,578.2	6.0	3 1/8	
20:45	WOLFCAMP A, ORIGINAL HOLE	12,604.0	12,605.2	6.0	3 1/8	
20:45	WOLFCAMP A, ORIGINAL HOLE	12,634.0	12,635.2	6.0	3 1/8	
20:45	WOLFCAMP A, ORIGINAL HOLE	12,667.0	12,668.3	6.0	3 1/8	
17:42	WOLFCAMP A, ORIGINAL HOLE	12,696.0	12,697.0	6.0	3 1/8	
17:42	WOLFCAMP A, ORIGINAL HOLE	12,726.0	12,727.2	6.0	3 1/8	
17:42	WOLFCAMP A, ORIGINAL HOLE	12,758.0	12,759.2	6.0	3 1/8	
17:42	WOLFCAMP A, ORIGINAL HOLE	12,786.0	12,787.2	6.0	3 1/8	
17:42	WOLFCAMP A, ORIGINAL HOLE	12,816.0	12,817.3	6.0	3 1/8	
12:45	WOLFCAMP A, ORIGINAL HOLE	12,848.0	12,849.0	6.0	3 1/8	
12:45	WOLFCAMP A, ORIGINAL HOLE	12,878.0	12,879.2	6.0	3 1/8	
12:45	WOLFCAMP A, ORIGINAL HOLE	12,905.0	12,906.2	6.0	3 1/8	
12:45	WOLFCAMP A, ORIGINAL HOLE	12,938.0	12,939.2	6.0	3 1/8	
12:45	WOLFCAMP A, ORIGINAL HOLE	12,966.0	12,967.3	6.0	3 1/8	
11:15	WOLFCAMP A, ORIGINAL HOLE	13,007.0	13,008.0	6.0	3 1/8	
11:15	WOLFCAMP A, ORIGINAL HOLE	13,030.0	13,031.2	6.0	3 1/8	
11:15	WOLFCAMP A, ORIGINAL HOLE	13,060.0	13,061.2	6.0	3 1/8	
11:15	WOLFCAMP A, ORIGINAL HOLE	13,086.0	13,087.2	6.0	3 1/8	
11:15	WOLFCAMP A, ORIGINAL HOLE	13,115.0	13,116.3	6.0	3 1/8	
07:45	WOLFCAMP A, ORIGINAL HOLE	13,152.0	13,153.0	6.0	3 1/8	

Perforation Intervals													
Time	Zone				Top (ftKB)		Btm (ftKB)		Shot Dens (shots/ft)		Gun Size (in)		Com
07:45	WOLFCAMP A, ORIGINAL HOLE				13,187.0		13,188.2		6.0		3 1/8		
07:45	WOLFCAMP A, ORIGINAL HOLE				13,212.0		13,213.2		6.0		3 1/8		
07:45	WOLFCAMP A, ORIGINAL HOLE				13,242.0		13,243.2		6.0		3 1/8		
07:45	WOLFCAMP A, ORIGINAL HOLE				13,266.0		13,267.3		6.0		3 1/8		
Stimulations & Treatments													
STAGE 11 - HYDRAULIC FRAC on 2/26/2015 05:15													
Date 2/26/2015		Type HYDRAULIC FRAC			Zone WOLFCAMP A, ORIGINAL HOLE			Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC			Comment TRACERS FFI-5200 STAGES 11-21		
P Pre SI (psi) 1,733.0	ISIP (psi) 3,956.0	P Post SI (psi) 3,432.0	5 min SI (psi) 2770	10 min SI (psi)	15 min SI (psi)	P Break (psi) 4,575.0	BD Rate (bbl/min) 10	Q Treat Min... 74	Q Treat Max... 75	Q Treat Avg... 74	Avg Treat Pr... 6,366.2	Proppant De... 245,000	Prop Placed... 250,420
Max Treat Pressure (psi)			Avg Treat Pressure (psi)			Max Treat Rate (bbl/min)			Avg Treat Rate (bbl/min)			V clean+slurry (bbl)	
7,438.0			6,366.2			75			74			5934.26	
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 BIOCIDE 72 gal; FFI 5200 CHEMICAL TRACER 11 gal; PROPPANT 100 MESH 34000 lb; PROPPANT 40/70 WHITE 216420 lb; WFR													
STAGE 12 - HYDRAULIC FRAC on 2/26/2015 08:47													
Date 2/26/2015		Type HYDRAULIC FRAC			Zone WOLFCAMP A, ORIGINAL HOLE			Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC			Comment TRACERS FFI-5200 STAGES 11-21		
P Pre SI (psi) 1,599.0	ISIP (psi) 3,862.0	P Post SI (psi) 3,379.0	5 min SI (psi) 2924	10 min SI (psi)	15 min SI (psi)	P Break (psi) 4,559.0	BD Rate (bbl/min) 10	Q Treat Min... 75	Q Treat Max... 76	Q Treat Avg... 75	Avg Treat Pr... 6,429.9	Proppant De... 245,000	Prop Placed... 249,060
Max Treat Pressure (psi)			Avg Treat Pressure (psi)			Max Treat Rate (bbl/min)			Avg Treat Rate (bbl/min)			V clean+slurry (bbl)	
7,322.0			6,429.9			76			75			5879.26	
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 BIOCIDE 74 gal; FFI 5200 CHEMICAL TRACER 11 gal; PROPPANT 100 MESH 34000 lb; PROPPANT 40/70 WHITE 215060 lb; WFR													
STAGE 13 - HYDRAULIC FRAC on 2/26/2015 12:29													
Date 2/26/2015		Type HYDRAULIC FRAC			Zone WOLFCAMP A, ORIGINAL HOLE			Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC			Comment TRACERS FFI-5200 STAGES 11-21		
P Pre SI (psi) 1,591.0	ISIP (psi) 3,834.0	P Post SI (psi) 3,487.0	5 min SI (psi) 3150	10 min SI (psi)	15 min SI (psi)	P Break (psi) 4,973.0	BD Rate (bbl/min) 10	Q Treat Min... 75	Q Treat Max... 76	Q Treat Avg... 75	Avg Treat Pr... 6,241.0	Proppant De... 245,000	Prop Placed... 246,167
Max Treat Pressure (psi)			Avg Treat Pressure (psi)			Max Treat Rate (bbl/min)			Avg Treat Rate (bbl/min)			V clean+slurry (bbl)	
6,885.0			6,241.0			76			75			5816.26	
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 BIOCIDE 59 gal; FFI 5200 CHEMICAL TRACER 11 gal; PROPPANT 100 MESH 33060 lb; PROPPANT 40/70 WHITE 215107 lb; WFR													
STAGE 14 - HYDRAULIC FRAC on 2/26/2015 13:31													
Date 2/26/2015		Type HYDRAULIC FRAC			Zone WOLFCAMP A, ORIGINAL HOLE			Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC			Comment TRACERS FFI-5200 STAGES 11-21 PUMPED NO ACID ON THIS STAGE		
P Pre SI (psi) 1,710.0	ISIP (psi) 3,609.0	P Post SI (psi) 3,358.0	5 min SI (psi) 3050	10 min SI (psi)	15 min SI (psi)	P Break (psi) 4,861.0	BD Rate (bbl/min) 10	Q Treat Min... 76	Q Treat Max... 77	Q Treat Avg... 76	Avg Treat Pr... 6,308.7	Proppant De... 245,000	Prop Placed... 249,736
Max Treat Pressure (psi)			Avg Treat Pressure (psi)			Max Treat Rate (bbl/min)			Avg Treat Rate (bbl/min)			V clean+slurry (bbl)	
7,099.0			6,308.7			77			76			5413.26	
Total Add Amount BIO 15-G BIOCIDE 72 gal; FFI 5200 CHEMICAL TRACER 11 gal; PROPPANT 100 MESH 33060 lb; PROPPANT 40/70 WHITE 215107 lb; WFR-5 FRICTION REDUCER 158 gal													
STAGE 15 - HYDRAULIC FRAC on 2/26/2015 18:23													
Date 2/26/2015		Type HYDRAULIC FRAC			Zone WOLFCAMP A, ORIGINAL HOLE			Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC			Comment TRACERS FFI-5200 STAGES 11-21 PUMPED NO ACID ON THIS STAGE		
P Pre SI (psi) 1,380.0	ISIP (psi) 3,751.0	P Post SI (psi) 3,400.0	5 min SI (psi) 3171	10 min SI (psi)	15 min SI (psi)	P Break (psi) 4,505.0	BD Rate (bbl/min) 10	Q Treat Min... 76	Q Treat Max... 77	Q Treat Avg... 76	Avg Treat Pr... 6,205.0	Proppant De... 245,000	Prop Placed... 250,320
Max Treat Pressure (psi)			Avg Treat Pressure (psi)			Max Treat Rate (bbl/min)			Avg Treat Rate (bbl/min)			V clean+slurry (bbl)	
6,793.0			6,205.0			77			76			5526.26	
Total Add Amount BIO 15-G BIOCIDE 72 gal; FFI 5200 CHEMICAL TRACER 11 gal; PROPPANT 100 MESH 33580 lb; PROPPANT 40/70 WHITE 216740 lb; WFR-5 FRICTION REDUCER 158 gal													
STAGE 16 - HYDRAULIC FRAC on 2/26/2015 22:28													
Date 2/26/2015		Type HYDRAULIC FRAC			Zone WOLFCAMP A, ORIGINAL HOLE			Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC			Comment TRACERS FFI-5200 STAGES 11-21 PUMPED NO ACID ON THIS STAGE LOST WATER ON 1.00 LB. GAL 40/70 HAD TO SHUTDOWN , ONCE TETRA REESTABLISHED A WATER TRANSFER RATE WE STARTED 40/70 AND .50 WENT TO 1.00 THAN STAGE 1.50 LB/GAL 40/70 AND FINISHED STAGE AS PER SCHEDULE		
P Pre SI (psi) 1,440.0	ISIP (psi) 3,723.0	P Post SI (psi) 3,350.0	5 min SI (psi) 2750	10 min SI (psi)	15 min SI (psi)	P Break (psi) 3,824.0	BD Rate (bbl/min) 10	Q Treat Min... 75	Q Treat Max... 76	Q Treat Avg... 75	Avg Treat Pr... 6,304.0	Proppant De... 245,000	Prop Placed... 246,620
Max Treat Pressure (psi)			Avg Treat Pressure (psi)			Max Treat Rate (bbl/min)			Avg Treat Rate (bbl/min)			V clean+slurry (bbl)	
7,195.0			6,304.0			76			75			5942.26	
Total Add Amount BIO 15-G BIOCIDE 72 gal; FFI 5200 CHEMICAL TRACER 11 gal; PROPPANT 100 MESH 34020 lb; PROPPANT 40/70 WHITE 212600 lb; WFR-5 FRICTION REDUCER 158 gal													
STAGE 17 - HYDRAULIC FRAC on 2/27/2015 03:11													
Date 2/27/2015		Type HYDRAULIC FRAC			Zone WOLFCAMP A, ORIGINAL HOLE			Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC			Comment TRACERS FFI-5200 STAGES 11-21 PUMPED NO ACID ON THIS STAGE		
P Pre SI (psi) 1,598.0	ISIP (psi) 3,857.0	P Post SI (psi) 3,550.0	5 min SI (psi) 3155	10 min SI (psi)	15 min SI (psi)	P Break (psi) 4,717.0	BD Rate (bbl/min) 10	Q Treat Min... 72	Q Treat Max... 76	Q Treat Avg... 75	Avg Treat Pr... 6,149.6	Proppant De... 245,000	Prop Placed... 249,742
Max Treat Pressure (psi)			Avg Treat Pressure (psi)			Max Treat Rate (bbl/min)			Avg Treat Rate (bbl/min)			V clean+slurry (bbl)	
7,313.0			6,149.6			76			75			5942.26	
Total Add Amount BIO 15-G BIOCIDE 72 gal; FFI 5200 CHEMICAL TRACER 11 gal; PROPPANT 100 MESH 34000 lb; PROPPANT 40/70 WHITE 215742 lb; WFR-5 FRICTION REDUCER 165 gal													



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

UNIVERSITY 09 0804H
AEPB WELL NO. 22

Report Date 2/28/2015
AFE # DV02062
Total AFE 4,345,700

API 42383392030000	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 DV02062			Supplemental AFE Number		Daily Field Est (Cost) 289,055		Cum Field Est (Cost) 1,487,103		
Number of Stages (ft) 43			Lateral Length (ft) 7,022		Time Since LTI (days) 1,237		Time Since Reportable Incident (days) 1,237		
Daily Contacts									
Contacts COMP SUPVR, SHAWN WITHERINGTON, CRSCNT; COMP SUP, CLAYTON BRUNTZ, LOOP; COMP SUP, JUSTIN STRINGER, LOOP									
Daily Operations									
Operations Summary UNIVERSAL PRESSURE PUMPING FRAC COMPLETED STAGES 18 - 22 OF 43 AS PER SCHEDULE. CASEDHOLE SOLUTIONS WIRELINE PERFORATED STAGES 18 - 23									
Planned Operations WE ANTICIPATE UNIVERSAL PRESSURE PUMPING TO FRAC STAGES 23-29 OF 43, CASEDHOLE SOLUTIONS TO PERFORATE STAGES 24-30 OF 43									
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	DOWNTIME	No	WHILE BEGINNING TO RIH FOR WIRELINE, GENERATOR IN WIRELINE UNIT BEGAN SMOKING AND SHUT OFF. WOULDN'T STAY ON. FOUND TO BE ISSUE WITH INTAKE/AIR CLEANER. REPAIRED.	EQUIPMENT FAILURE	Yes	
05:30	07:15	1.75	2.25	PERFORATING	No	PLUG AND PERF STAGE 18 OF 43. PUMP DOWN @ 20 BPM WITH MAX PSI OF 4950 TOTAL OF 220 BBLs PUMPED. PLUG SET WITH A TENSION LOSS OF 170 LBS AT A DEPTH OF 12,377'.			
07:15	09:00	1.75	4.00	FRAC. JOB	No	UNIVERSAL PRESSURE PUMPING SUCCESFULLY COMPLETED FRAC STAGE 18 OF 43			
09:00	09:30	0.50	4.50	DOWNTIME	No	PUMP FROZE UP. SWAPPED PUMP. THEY WERE SUPPOSED TO BE PUMPING 50/50 GLYCOL. TOLD THEM THEY NEED TO MAKE SURE THEY ARE PUMPING THE APPROPRIATE AMOUNT OF GLYCOL TO PREVENT FREEZING, AND TO BE CIRCULATING WHILE THEY AREN'T PUMPING.	EQUIPMENT FAILURE	Yes	
09:30	11:00	1.50	6.00	PERFORATING	No	PLUG AND PERF STAGE 19 OF 43. PUMP DOWN @ 20 BPM WITH MAX PSI OF 5100 TOTAL OF 231 BBLs PUMPED. PLUG SET WITH A TENSION LOSS OF 125 LBS AT A DEPTH OF 12,225'.			
11:00	11:45	0.75	6.75	GENERAL OPERATIONS	No	GREASE FRAC STACK AND MANIFOLD			
11:45	13:15	1.50	8.25	FRAC. JOB	No	UNIVERSAL PRESSURE PUMPING SUCCESFULLY COMPLETED FRAC STAGE 19 OF 43			
13:15	15:15	2.00	10.25	PERFORATING	No	PLUG AND PERF STAGE 20 OF 43. PUMP DOWN @ 20 BPM WITH MAX PSI OF 4900 TOTAL OF 219 BBLs PUMPED. PLUG SET WITH A TENSION LOSS OF 60 LBS AT A DEPTH OF 12,073'.			
15:15	16:45	1.50	11.75	FRAC. JOB	No	UNIVERSAL PRESSURE PUMPING SUCCESFULLY COMPLETED FRAC STAGE 20 OF 43			
16:45	18:15	1.50	13.25	PERFORATING	No	PLUG AND PERF STAGE 21 OF 43. PUMP DOWN @ 20 BPM WITH MAX PSI OF 4800 TOTAL OF 202 BBLs PUMPED. PLUG SET WITH A TENSION LOSS OF 170 LBS AT A DEPTH OF 11,921'.			
18:15	19:45	1.50	14.75	FRAC. JOB	No	UNIVERSAL PRESSURE PUMPING SUCCESFULLY COMPLETED FRAC STAGE 21 OF 43			
19:45	22:30	2.75	17.50	DOWNTIME	No	LUBRICATOR RETURN LINE FROZE UP, PULL RETURN LINE OFF AND FLUSHED OUT LINE, REINSTALLED LINE AND STILL UNABLE TO GET RETURNS. LD LUBRICATOR, CLEAR ICE OUT OF RETURN LINE CONNECTION. CLEARED ICE FROM CRANE BLOCK SHEAVE. PICKED UP LUBRICATOR.	EQUIPMENT FAILURE		
22:30	00:00	1.50	19.00	PERFORATING	No	PLUG AND PERF STAGE 22 OF 43. PUMP DOWN @ 20 BPM WITH MAX PSI OF 4900 TOTAL OF 191 BBLs PUMPED. PLUG SET WITH A TENSION LOSS OF 110 LBS AT A DEPTH OF 11,769'.			
00:00	00:30	0.50	19.50	GENERAL OPERATIONS	No	GREASE FRAC STACK AND MANIFOLD			
00:30	01:30	1.00	20.50	DOWNTIME	No	LIQUID ADD PUMP FROZEN DUE TO COLD TEMPS PRIOR TO STARTING STG 22 FRAC	EQUIPMENT FAILURE	Yes	
01:30	03:15	1.75	22.25	FRAC. JOB	No	UNIVERSAL PRESSURE PUMPING SUCCESFULLY COMPLETED FRAC STAGE 22 OF 43			
03:15	04:30	1.25	23.50	PERFORATING	No	PLUG AND PERF STAGE 23 OF 43. PUMP DOWN @ 20 BPM WITH MAX PSI OF 4800 TOTAL OF 195 BBLs PUMPED. PLUG SET WITH A TENSION LOSS OF 140 LBS AT A DEPTH OF 11,617'.			
04:30	05:00	0.50	24.00	FRAC. JOB	No	UNIVERSAL PUMPING STG 23 OF 43			
NPT									
Type		SubType	Des		Start Date	End Date	Failed Item	Accountable Party	Dur (hr)
SURFACE EQUIPMENT		GENERATOR	GENERATOR WOULDN'T RUN		2/27/2015 05:00	2/27/2015 05:30		CASEDHOLE SOLUTIONS, INC.	0.50
SURFACE EQUIPMENT		PUMPS	PUMP FROZEN UP		2/27/2015 09:00	2/27/2015 09:30		CIRCLE 8	0.50
SURFACE EQUIPMENT		BLENDER	LIQUID ADD PUMP FROZEN		2/28/2015 00:30	2/28/2015 01:30			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		PRE JOB SAFETY MEETING		
Plug Details									
Des		Top (ft)KB	Btm (ft)KB	OD (in)	ID (in)	Run Date	Pull Date	Com	
FRAC PLUG		12,377.0	12,379.0	4 3/8		2/27/2015		STAGE 18	
FRAC PLUG		12,225.0	12,227.0	4 3/8		2/27/2015		STAGE 19	
FRAC PLUG		12,073.0	12,075.0	4 3/8		2/27/2015		STAGE 20	
FRAC PLUG		11,921.0	11,923.0	4 3/8		2/27/2015		STAGE 21	
FRAC PLUG		11,769.0	11,771.0	4 3/8		2/27/2015		STAGE 22	
FRAC PLUG		11,617.0	11,619.0	4 3/8		2/28/2015		STAGE 23	
Perforation Intervals									
Time	Zone			Top (ft)KB	Btm (ft)KB	Shot Dens (shots/ft)	Gun Size (in)	Com	
04:00	WOLFCAMP A, ORIGINAL HOLE			11,480.0	11,481.0	6.0	3 1/8		
04:00	WOLFCAMP A, ORIGINAL HOLE			11,510.0	11,511.2	6.0	3 1/8		
04:00	WOLFCAMP A, ORIGINAL HOLE			11,542.0	11,543.2	6.0	3 1/8		
04:00	WOLFCAMP A, ORIGINAL HOLE			11,570.0	11,571.2	6.0	3 1/8		
04:00	WOLFCAMP A, ORIGINAL HOLE			11,600.0	11,601.3	6.0	3 1/8		
23:15	WOLFCAMP A, ORIGINAL HOLE			11,632.0	11,633.0	6.0	3 1/8		
23:15	WOLFCAMP A, ORIGINAL HOLE			11,662.0	11,663.2	6.0	3 1/8		
23:15	WOLFCAMP A, ORIGINAL HOLE			11,692.0	11,693.2	6.0	3 1/8		
23:15	WOLFCAMP A, ORIGINAL HOLE			11,722.0	11,723.2	6.0	3 1/8		
23:15	WOLFCAMP A, ORIGINAL HOLE			11,752.0	11,753.3	6.0	3 1/8		
17:26	WOLFCAMP A, ORIGINAL HOLE			11,784.0	11,785.0	6.0	3 1/8		
17:26	WOLFCAMP A, ORIGINAL HOLE			11,814.0	11,815.2	6.0	3 1/8		
17:26	WOLFCAMP A, ORIGINAL HOLE			11,844.0	11,845.2	6.0	3 1/8		
17:26	WOLFCAMP A, ORIGINAL HOLE			11,874.0	11,875.2	6.0	3 1/8		
17:26	WOLFCAMP A, ORIGINAL HOLE			11,904.0	11,905.3	6.0	3 1/8		
14:30	WOLFCAMP A, ORIGINAL HOLE			11,936.0	11,937.0	6.0	3 1/8		
14:30	WOLFCAMP A, ORIGINAL HOLE			11,966.0	11,967.2	6.0	3 1/8		
14:30	WOLFCAMP A, ORIGINAL HOLE			11,996.0	11,997.2	6.0	3 1/8		
14:30	WOLFCAMP A, ORIGINAL HOLE			12,026.0	12,027.2	6.0	3 1/8		
14:30	WOLFCAMP A, ORIGINAL HOLE			12,056.0	12,057.3	6.0	3 1/8		
10:30	WOLFCAMP A, ORIGINAL HOLE			12,088.0	12,089.0	6.0	3 1/8		
10:30	WOLFCAMP A, ORIGINAL HOLE			12,116.0	12,117.2	6.0	3 1/8		
10:30	WOLFCAMP A, ORIGINAL HOLE			12,148.0	12,149.2	6.0	3 1/8		
10:30	WOLFCAMP A, ORIGINAL HOLE			12,178.0	12,179.2	6.0	3 1/8		
10:30	WOLFCAMP A, ORIGINAL HOLE			12,206.0	12,207.3	6.0	3 1/8		

Perforation Intervals														
Time	Zone					Top (ftKB)		Btm (ftKB)		Shot Dens (shots/ft)		Gun Size (in)		Com
06:15	WOLFCAMP A, ORIGINAL HOLE					12,240.0		12,241.0		6.0		3 1/8		
06:15	WOLFCAMP A, ORIGINAL HOLE					12,270.0		12,271.2		6.0		3 1/8		
06:15	WOLFCAMP A, ORIGINAL HOLE					12,296.0		12,297.2		6.0		3 1/8		
06:15	WOLFCAMP A, ORIGINAL HOLE					12,330.0		12,331.2		6.0		3 1/8		
06:15	WOLFCAMP A, ORIGINAL HOLE					12,360.0		12,361.3		6.0		3 1/8		
Stimulations & Treatments														
STAGE 18 - HYDRAULIC FRAC on 2/27/2015 07:20														
Date 2/27/2015		Type HYDRAULIC FRAC				Zone WOLFCAMP A, ORIGINAL HOLE				Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC		Comment TRACERS FFI-5200 STAGES 11-21 PUMPED NO ACID ON THIS STAGE		
P Pre SI (psi) 1,556.0	ISIP (psi) 3,327.0	P Post SI (psi) 2,854.0	5 min SI (psi) 2595	10 min SI (psi)	15 min SI (psi)	P Break (psi) 4,540.0	BD Rate (bbl/min) 10	Q Treat Min... 75	Q Treat Max... 75	Q Treat Avg... 75	Avg Treat Pr... 6,282.5	Proppant De... 245,000	Prop Placed... 249,740	
Max Treat Pressure (psi) 7,041.0			Avg Treat Pressure (psi) 6,282.5			Max Treat Rate (bbl/min) 75			Avg Treat Rate (bbl/min) 75			V clean+slurry (bbl) 5615.26		
Total Add Amount BIO 15-G BIOCIDE 63 gal; FFI 5200 CHEMICAL TRACER 11 gal; PROPPANT 100 MESH 34080 lb; PROPPANT 40/70 WHITE 215660 lb; WFR-5 FRICTION REDUCER 164 gal														
STAGE 19 - HYDRAULIC FRAC on 2/27/2015 11:42														
Date 2/27/2015		Type HYDRAULIC FRAC				Zone WOLFCAMP A, ORIGINAL HOLE				Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC		Comment TRACERS FFI-5200 STAGES 11-21 PUMPED NO ACID ON THIS STAGE		
P Pre SI (psi) 1,409.0	ISIP (psi) 3,900.0	P Post SI (psi) 3,550.0	5 min SI (psi) 3300	10 min SI (psi)	15 min SI (psi)	P Break (psi) 3,900.0	BD Rate (bbl/min) 10	Q Treat Min... 74	Q Treat Max... 76	Q Treat Avg... 75	Avg Treat Pr... 6,220.2	Proppant De... 245,000	Prop Placed... 249,460	
Max Treat Pressure (psi) 7,140.0			Avg Treat Pressure (psi) 6,220.2			Max Treat Rate (bbl/min) 76			Avg Treat Rate (bbl/min) 75			V clean+slurry (bbl) 5425.26		
Total Add Amount BIO 15-G BIOCIDE 70 gal; FFI 5200 CHEMICAL TRACER 11 gal; PROPPANT 100 MESH 34140 lb; PROPPANT 40/70 WHITE 215320 lb; WFR-5 FRICTION REDUCER 154 gal														
STAGE 20 - HYDRAULIC FRAC on 2/27/2015 15:12														
Date 2/27/2015		Type HYDRAULIC FRAC				Zone WOLFCAMP A, ORIGINAL HOLE				Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC		Comment TRACERS FFI-5200 STAGES 11-21 PUMPED NO ACID ON THIS STAGE		
P Pre SI (psi) 1,517.0	ISIP (psi) 3,100.0	P Post SI (psi) 2,855.0	5 min SI (psi) 2552	10 min SI (psi)	15 min SI (psi)	P Break (psi) 4,392.0	BD Rate (bbl/min) 10	Q Treat Min... 75	Q Treat Max... 77	Q Treat Avg... 76	Avg Treat Pr... 6,537.0	Proppant De... 245,000	Prop Placed... 248,342	
Max Treat Pressure (psi) 7,658.0			Avg Treat Pressure (psi) 6,537.0			Max Treat Rate (bbl/min) 77			Avg Treat Rate (bbl/min) 76			V clean+slurry (bbl) 5479.26		
Total Add Amount BIO 15-G BIOCIDE 68 gal; FFI 5200 CHEMICAL TRACER 11 gal; PROPPANT 100 MESH 34040 lb; PROPPANT 40/70 WHITE 248342 lb; WFR-5 FRICTION REDUCER 160 gal														
STAGE 21 - HYDRAULIC FRAC on 2/27/2015 18:10														
Date 2/27/2015		Type HYDRAULIC FRAC				Zone WOLFCAMP A, ORIGINAL HOLE				Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC		Comment TRACERS FFI-5200 STAGES 11-21 PUMPED NO ACID ON THIS STAGE		
P Pre SI (psi) 1,450.0	ISIP (psi) 3,344.0	P Post SI (psi) 3,134.0	5 min SI (psi) 2900	10 min SI (psi)	15 min SI (psi)	P Break (psi) 4,631.0	BD Rate (bbl/min) 10	Q Treat Min... 75	Q Treat Max... 76	Q Treat Avg... 76	Avg Treat Pr... 6,372.0	Proppant De... 245,000	Prop Placed... 247,783	
Max Treat Pressure (psi) 7,298.0			Avg Treat Pressure (psi) 6,372.0			Max Treat Rate (bbl/min) 76			Avg Treat Rate (bbl/min) 76			V clean+slurry (bbl) 5493.26		
Total Add Amount BIO 15-G BIOCIDE 67 gal; FFI 5200 CHEMICAL TRACER 11 gal; PROPPANT 100 MESH 33020 lb; PROPPANT 40/70 WHITE 214302 lb; WFR-5 FRICTION REDUCER 166 gal														
STAGE 22 - HYDRAULIC FRAC on 2/28/2015 01:30														
Date 2/28/2015		Type HYDRAULIC FRAC				Zone WOLFCAMP A, ORIGINAL HOLE				Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC		Comment TRACERS FFI-2700 STAGES 22-32 PUMPED NO ACID ON THIS STAGE		
P Pre SI (psi) 1,650.0	ISIP (psi) 3,106.0	P Post SI (psi) 2,862.0	5 min SI (psi) 2233	10 min SI (psi)	15 min SI (psi)	P Break (psi) 4,240.0	BD Rate (bbl/min) 10	Q Treat Min... 74	Q Treat Max... 76	Q Treat Avg... 76	Avg Treat Pr... 6,048.7	Proppant De... 245,000	Prop Placed... 249,900	
Max Treat Pressure (psi) 6,541.0			Avg Treat Pressure (psi) 6,048.7			Max Treat Rate (bbl/min) 76			Avg Treat Rate (bbl/min) 76			V clean+slurry (bbl) 5777.26		
Total Add Amount BIO 15-G BIOCIDE 63 gal; FFI 2700 CHEMICAL TRACER 11 gal; PROPPANT 100 MESH 34360 lb; PROPPANT 40/70 WHITE 215540 lb; WFR-5 FRICTION REDUCER 164 gal														



AMERICAN ENERGY
PARTNERS

AMERICAN ENERGY - PERMIAN BASIN, LLC
Daily Completion Report

UNIVERSITY 09 0804H
AEPB WELL NO. 22

Report Date 3/1/2015
AFE # DV02062
Total AFE 4,345,700

API 42383392030000	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 DV02062		Supplemental AFE Number			Daily Field Est (Cost) 298,666		Cum Field Est (Cost) 1,830,566		
Number of Stages (ft) 43		Lateral Length (ft) 7,022			Time Since LTI (days) 1,238		Time Since Reportable Incident (days) 1,238		
Daily Contacts									
Contacts COMP SUP, CLAYTON BRUNTZ, LOOP; COMP SUP, JUSTIN STRINGER, LOOP; COMP SUPT, DAVID MAGOUIRK, CRSCNT; COMP SUPVR, CORY PORTER, CRSCNT									
Daily Operations									
Operations Summary UNIVERSAL PRESSURE PUMPING FRAC COMPLETED STAGES 23-27 OF 43. CASEDHOLE SOLUTIONS WIRELINE PERFORATED STAGES 24-28									
Planned Operations WE ANTICIPATE UNIVERSAL PRESSURE PUMPING TO FRAC STAGES 28-34 OF 43, CASEDHOLE SOLUTIONS TO PERFORATE STAGES 29-35 OF 43									
Time Log									
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Activity	Inactive?	Comments	Unschd Typ	NPT	
05:00	06:15	1.25	1.25	FRAC. JOB	No	UNIVERSAL PRESSURE PUMPING SUCCESFULLY COMPLETED FRAC STAGE 23 OF 43 WE HAD TO RUN THE BIOCID AT AHIGHER CONCENTRATION TO STOP THE PUMP FROM FREEZING UP DURING OPERATIONS WHILE PUMPING AT LOW CONCENTRATION			
06:15	08:00	1.75	3.00	PERFORATING	No	PLUG AND PERF STAGE 24 OF 43. PUMP DOWN @ 20 BPM WITH MAX PSI OF 4600 TOTAL OF 178 BBLs PUMPED. PLUG SET WITH A TENSION LOSS OF 150 LBS AT A DEPTH OF 11,465'.			
08:00	09:00	1.00	4.00	FRAC. JOB	No	UNIVERSAL PRESSURE PUMPING STARTED STAGE 24 OF 43 , TETRA WATER TRANSFER LOST PRIME ON THEIR PUMPS WHILE ON 1.25 LB/GAL 40/70 CUT SAND AND FLUSHED WELL			
09:00	09:30	0.50	4.50	DOWNTIME	No	WAITING FOR WATER TRANSFER TO FIX PRIME AND FILL FRAC TANKS BACK UP	EQUIPMENT FAILURE	Yes	
09:30	10:00	0.50	5.00	FRAC. JOB	No	UNIVERSAL PRESSURE PUMPING SUCCESFULLY COMPLETED FRAC STAGE 24 OF 43 WE STARTED SAND ON .50 LB/GAL 40/70 THAN WENT TO 1.00 LB/GAL 40/70 THAN BACK ON SCHEDULE ON 1.75 LB/GAL 40/70 FINISHED THE STAGE AS PER SCHEDULE. WE HAD TO RUN THE BIOCID AT AHIGHER CONCENTRATION TO STOP THE PUMP FROM FREEZING UP DURING OPERATIONS WHILE PUMPING AT LOW CONCENTRATION			
10:00	11:30	1.50	6.50	PERFORATING	No	PLUG AND PERF STAGE 25 OF 43. PUMP DOWN @ 20 BPM WITH MAX PSI OF 4200 TOTAL OF 165 BBLs PUMPED. PLUG SET WITH A TENSION LOSS OF 130 LBS AT A DEPTH OF 11,317'.			
11:30	12:00	0.50	7.00	GENERAL OPERATIONS	No	TRI-STATE GREASED WELLHEAD AND FRAC MANIFOLD			
12:00	14:30	2.50	9.50	DOWNTIME	No	WAITING FOR UNIVERSAL RELIEF CREW , CURRENT CREW HAS BEEN ON LOCATION FOR 24 HRS, SHUTDOWN AND CIRCULATED FLUID WHILE WAITING FOR RELIEF FRAC CREW.	WAITING ON PEOPLE	Yes	
14:30	16:30	2.00	11.50	FRAC. JOB	No	UNIVERSAL PRESSURE PUMPING SUCCESFULLY COMPLETED FRAC STAGE 25 OF 43.			
16:30	18:00	1.50	13.00	PERFORATING	No	PLUG AND PERF STAGE 26 OF 43. PUMP DOWN @ 20 BPM WITH MAX PSI OF 4800 TOTAL OF 155 BBLs PUMPED. PLUG SET WITH A TENSION LOSS OF 150 LBS AT A DEPTH OF 11,155'.			
18:00	21:00	3.00	16.00	DOWNTIME	No	DOWNHOLE BLENDER WAS REPLACED DURING WIRELINE RUN. NEW BLENDER HAD FROZEN VALVES ON DISCHARGE MANIFOLD THAT HAD TO BE REPAIRED.	EQUIPMENT FAILURE	Yes	
21:00	22:15	1.25	17.25	FRAC. JOB	No	UNIVERSAL PRESSURE PUMPING SUCCESFULLY COMPLETED FRAC STAGE 26 OF 43. LOST FR PUMP DURING 1.5PPG 40/70. RECOVERED PUMP AND FINISHED JOB AS PER SCHEDULE			
22:15	23:30	1.25	18.50	PERFORATING	No	PLUG AND PERF STAGE 27 OF 43. PUMP DOWN @ 20 BPM WITH MAX PSI OF 5100 TOTAL OF 150 BBLs PUMPED. PLUG SET WITH A TENSION LOSS OF 170 LBS AT A DEPTH OF 11,009'. RE-HEAD WIRELINE.			
23:30	01:00	1.50	20.00	FRAC. JOB	No	UNIVERSAL PRESSURE PUMPING SUCCESFULLY COMPLETED FRAC STAGE 27 OF 43.			
01:00	02:00	1.00	21.00	PERFORATING	No	PLUG AND PERF STAGE 28 OF 43. PUMP DOWN @ 18 BPM WITH MAX PSI OF 4500 TOTAL OF 140 BBLs PUMPED. PLUG SET WITH A TENSION LOSS OF 85 LBS AT A DEPTH OF 10,856'.			
02:00	02:30	0.50	21.50	GENERAL OPERATIONS	No	TRI-STATE GREASED WELLHEAD AND FRAC MANIFOLD			
02:30	05:00	2.50	24.00	DOWNTIME	No	UPP BLENDER DISCHARGE MANIFOLD VALVE FAILURE. VALVE STEM BROKEN DUE TO FROZEN VALVE	EQUIPMENT FAILURE	Yes	
NPT									
Type		SubType	Des		Start Date	End Date	Failed Item	Accountable Party	Dur (hr)
SURFACE EQUIPMENT		WATER TRANSFER	LOST PRIME WHILE PUMPING		2/28/2015 09:00	2/28/2015 09:30		TETRA TECHNOLOGIES, INC.	0.50
OTHER		WEATHER	WAITING ON RELIEF CREW		2/28/2015 12:00	2/28/2015 14:30		UNIVERSAL PRESSURE PUMPING INC	2.50
SURFACE EQUIPMENT		BLENDER	REPAIR DISCHARGE MANIFOLD VALVE		2/28/2015 18:00	2/28/2015 21:00		UNIVERSAL PRESSURE PUMPING INC	3.00
SURFACE EQUIPMENT		BLENDER	REPAIR DISCHARGE MANIFOLD VALVE		3/1/2015 02:30	3/1/2015 05:00		UNIVERSAL PRESSURE PUMPING 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		11,465.0	11,467.0	4 3/8		2/28/2015		STAGE 24	
FRAC PLUG		11,317.0	11,319.0	4 3/8		2/28/2015		STAGE 25	
FRAC PLUG		11,155.0	11,157.0	4 3/8		2/28/2015		STAGE 26	
FRAC PLUG		11,009.0	11,011.0	4 3/8		2/28/2015		STAGE 27	
FRAC PLUG		10,856.0	10,858.0	4 3/8		3/1/2015		STAGE 28	
Perforation Intervals									
Time	Zone		Top (ftKB)		Btm (ftKB)		Shot Dens (shots/ft)	Gun Size (in)	Com
01:33	WOLFCAMP A, ORIGINAL HOLE		10,720.0		10,721.0		6.0	3 1/8	
01:33	WOLFCAMP A, ORIGINAL HOLE		10,750.0		10,751.2		6.0	3 1/8	
01:33	WOLFCAMP A, ORIGINAL HOLE		10,780.0		10,781.2		6.0	3 1/8	
01:33	WOLFCAMP A, ORIGINAL HOLE		10,810.0		10,811.2		6.0	3 1/8	
01:33	WOLFCAMP A, ORIGINAL HOLE		10,840.0		10,841.3		6.0	3 1/8	
22:50	WOLFCAMP A, ORIGINAL HOLE		10,872.0		10,873.0		6.0	3 1/8	
22:50	WOLFCAMP A, ORIGINAL HOLE		10,900.0		10,901.2		6.0	3 1/8	
22:50	WOLFCAMP A, ORIGINAL HOLE		10,932.0		10,933.2		6.0	3 1/8	
22:50	WOLFCAMP A, ORIGINAL HOLE		10,962.0		10,963.2		6.0	3 1/8	
22:50	WOLFCAMP A, ORIGINAL HOLE		10,992.0		10,993.3		6.0	3 1/8	
17:10	WOLFCAMP A, ORIGINAL HOLE		11,024.0		11,025.0		6.0	3 1/8	
17:10	WOLFCAMP A, ORIGINAL HOLE		11,054.0		11,055.2		6.0	3 1/8	
17:10	WOLFCAMP A, ORIGINAL HOLE		11,080.0		11,081.2		6.0	3 1/8	
17:10	WOLFCAMP A, ORIGINAL HOLE		11,114.0		11,115.2		6.0	3 1/8	
17:10	WOLFCAMP A, ORIGINAL HOLE		11,142.0		11,143.3		6.0	3 1/8	
10:45	WOLFCAMP A, ORIGINAL HOLE		11,181.0		11,182.0		6.0	3 1/8	
10:45	WOLFCAMP A, ORIGINAL HOLE		11,206.0		11,207.2		6.0	3 1/8	
10:45	WOLFCAMP A, ORIGINAL HOLE		11,236.0		11,237.2		6.0	3 1/8	



UNIVERSITY 09 0804H
AEPB WELL NO. 22

Report Date	3/1/2015
AFE #	DV02062
Total AFE	4,345,700

Perforation Intervals													
Time	Zone			Top (ftKB)			Btm (ftKB)		Shot Dens (shots/ft)		Gun Size (in)		Com
10:45	WOLFCAMP A, ORIGINAL HOLE			11,271.0			11,272.2		6.0		3 1/8		
10:45	WOLFCAMP A, ORIGINAL HOLE			11,296.0			11,297.3		6.0		3 1/8		
07:00	WOLFCAMP A, ORIGINAL HOLE			11,328.0			11,329.0		6.0		3 1/8		
07:00	WOLFCAMP A, ORIGINAL HOLE			11,362.0			11,363.2		6.0		3 1/8		
07:00	WOLFCAMP A, ORIGINAL HOLE			11,388.0			11,389.2		6.0		3 1/8		
07:00	WOLFCAMP A, ORIGINAL HOLE			11,418.0			11,419.2		6.0		3 1/8		
07:00	WOLFCAMP A, ORIGINAL HOLE			11,441.0			11,442.3		6.0		3 1/8		
Stimulations & Treatments													
STAGE 23 - HYDRAULIC FRAC on 2/28/2015 05:01													
Date 2/28/2015	Type HYDRAULIC FRAC			Zone WOLFCAMP A, ORIGINAL HOLE			Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC		Comment TRACERS FFI-2700 STAGES 22-32 PUMPED NO ACID ON THIS STAGE WE ARE RUNNIG THE BIOCID E AT HIGHER CONCENTRATION TO STOP THE PUMP FROM FREEZING UP DURING THE STAGE .30 GAL/100 WAS FREEZING THRU THEIR LA PUMP SCREEN , AT .45 GAL/1000 WE COULD KEEP A STEADY RATE.				
P Pre SI (psi) 1,383.0	ISIP (psi) 3,783.0	P Post SI (psi) 3,408.0	5 min SI (psi) 3157	10 min SI (psi)	15 min SI (psi)	P Break (psi) 4,780.0	BD Rate (bbl... 10	Q Treat Min... 73	Q Treat Max... 77	Q Treat Avg... 76	Avg Treat Pr... 6,070.7	Proppant De... 245,000	Prop Placed... 249,617
Max Treat Pressure (psi) 6,594.0			Avg Treat Pressure (psi) 6,070.7			Max Treat Rate (bbl/min) 77			Avg Treat Rate (bbl/min) 76			V clean+slurry (bbl) 5427.26	
Total Add Amount BIO 15-G BIOCID E 87 gal; FFI 2700 CHEMICAL TRACER 11 gal; PROPPANT 100 MESH 34060 lb; PROPPANT 40/70 WHITE 215557 lb; WFR-5 FRICTION REDUCER 183 gal													
STAGE 24 - HYDRAULIC FRAC on 2/28/2015 07:54													
Date 2/28/2015	Type HYDRAULIC FRAC			Zone WOLFCAMP A, ORIGINAL HOLE			Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC		Comment TRACERS FFI-2700 STAGES 22-32 PUMPED NO ACID ON THIS STAGE WE ARE RUNNIG THE BIOCID E AT HIGHER CONCENTRATION TO STOP THE PUMP FROM FREEZING UP DURING THE STAGE .30 GAL/100 WAS FREEZING THRU THEIR LA PUMP SCREEN , AT .45 GAL/1000 WE COULD KEEP A STEADY RATE. TETRA WATER TRANSFER LOST PRIME ON THEIR PUMPS WHILE ON 1.25 LB/GAL 40/70 CUT SAND AND FLUSHED WELL WHEN TETRA REESTABLISHED RATE AND FILLED FRAC TANKS TO 6 FT WE STARTED SAND ON .50 LB/GAL 40/70 THAN WENT TO 1.00 LB/GAL 40/70 THAN BACK ON SCHEDULE ON 1.75 LB/GAL 40/70 FINISHED THE STAGE AS PER SCHEDULE. WE HAD TO RUN THE BIOCID E AT HIGHER CONCENTRATION TO STOP THE PUMP FROM FREEZING UP DURING OPERATIONS WHILE PUMPING AT LOW CONCENTRATION ISIP AFTER SHUTTING DOWN DURING THE STAGE WAS 3,443 PSI				
P Pre SI (psi) 1,721.0	ISIP (psi) 3,533.0	P Post SI (psi) 3,468.0	5 min SI (psi) 2740	10 min SI (psi)	15 min SI (psi)	P Break (psi) 4,579.0	BD Rate (bbl... 15	Q Treat Min... 73	Q Treat Max... 76	Q Treat Avg... 75	Avg Treat Pr... 5,557.8	Proppant De... 245,000	Prop Placed... 249,577
Max Treat Pressure (psi) 7,138.0			Avg Treat Pressure (psi) 5,557.8			Max Treat Rate (bbl/min) 76			Avg Treat Rate (bbl/min) 75			V clean+slurry (bbl) 5813.26	
Total Add Amount BIO 15-G BIOCID E 108 gal; FFI 2700 CHEMICAL TRACER 11 gal; PROPPANT 100 MESH 34060 lb; PROPPANT 40/70 WHITE 215517 lb; WFR-5 FRICTION REDUCER 209 gal													
STAGE 25 - HYDRAULIC FRAC on 2/28/2015 15:06													
Date 2/28/2015	Type HYDRAULIC FRAC			Zone WOLFCAMP A, ORIGINAL HOLE			Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC		Comment TRACERS FFI-2700 STAGES 22-32 PUMPED NO ACID ON THIS STAGE.				
P Pre SI (psi) 1,245.0	ISIP (psi) 3,250.0	P Post SI (psi) 6,167.0	5 min SI (psi) 2650	10 min SI (psi)	15 min SI (psi)	P Break (psi) 4,202.0	BD Rate (bbl... 15	Q Treat Min... 75	Q Treat Max... 76	Q Treat Avg... 76	Avg Treat Pr... 5,977.0	Proppant De... 245,000	Prop Placed... 249,900
Max Treat Pressure (psi) 7,323.0			Avg Treat Pressure (psi) 5,977.0			Max Treat Rate (bbl/min) 76			Avg Treat Rate (bbl/min) 76			V clean+slurry (bbl) 5392.26	
Total Add Amount BIO 15-G BIOCID E 70 gal; FFI 2700 CHEMICAL TRACER 11 gal; PROPPANT 100 MESH 34080 lb; PROPPANT 40/70 WHITE 215820 lb; WFR-5 FRICTION REDUCER 157 gal													
STAGE 26 - HYDRAULIC FRAC on 2/28/2015 20:50													
Date 2/28/2015	Type HYDRAULIC FRAC			Zone WOLFCAMP A, ORIGINAL HOLE			Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC		Comment TRACERS FFI-2700 STAGES 22-32 PUMPED NO ACID ON THIS STAGE.				
P Pre SI (psi) 1,400.0	ISIP (psi) 3,181.0	P Post SI (psi) 3,140.0	5 min SI (psi) 2620	10 min SI (psi)	15 min SI (psi)	P Break (psi) 4,407.0	BD Rate (bbl... 15	Q Treat Min... 73	Q Treat Max... 76	Q Treat Avg... 75	Avg Treat Pr... 6,159.1	Proppant De... 245,000	Prop Placed... 249,371
Max Treat Pressure (psi) 7,765.0			Avg Treat Pressure (psi) 6,159.1			Max Treat Rate (bbl/min) 76			Avg Treat Rate (bbl/min) 75			V clean+slurry (bbl) 5939.26	
Total Add Amount BIO 15-G BIOCID E 57 gal; FFI 2700 CHEMICAL TRACER 11 gal; PROPPANT 100 MESH 34000 lb; PROPPANT 40/70 WHITE 215371 lb; WFR-5 FRICTION REDUCER 162 gal													
STAGE 27 - HYDRAULIC FRAC on 2/28/2015 23:30													
Date 2/28/2015	Type HYDRAULIC FRAC			Zone WOLFCAMP A, ORIGINAL HOLE			Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC		Comment TRACERS FFI-2700 STAGES 22-32 PUMPED NO ACID ON THIS STAGE.				
P Pre SI (psi) 1,560.0	ISIP (psi) 3,388.0	P Post SI (psi) 3,043.0	5 min SI (psi) 2802	10 min SI (psi)	15 min SI (psi)	P Break (psi) 4,298.0	BD Rate (bbl... 15	Q Treat Min... 75	Q Treat Max... 76	Q Treat Avg... 76	Avg Treat Pr... 5,921.1	Proppant De... 245,000	Prop Placed... 248,551
Max Treat Pressure (psi) 6,487.0			Avg Treat Pressure (psi) 5,921.1			Max Treat Rate (bbl/min) 76			Avg Treat Rate (bbl/min) 76			V clean+slurry (bbl) 5240.26	
Total Add Amount BIO 1													



AMERICAN ENERGY - PERMIAN BASIN, LLC
Daily Completion Report

Report Date 3/2/2015
AFE # DV02062
Total AFE 4,345,700

AMERICAN ENERGY
PARTNERS

UNIVERSITY 09 0804H
AEPB WELL NO. 22

API 42383392030000	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 DV02062		Supplemental AFE Number			Daily Field Est (Cost) 442,780		Cum Field Est (Cost) 2,259,257		
Number of Stages (ft) 43		Lateral Length (ft) 7,022			Time Since LTI (days) 1,239		Time Since Reportable Incident (days) 1,239		
Daily Contacts									
Contacts COMP SUP, CLAYTON BRUNTZ, LOOP; COMP SUP, JUSTIN STRINGER, LOOP; COMP SUPT, DAVID MAGOUIRK, CRSCNT; COMP SUPVR, CORY PORTER, CRSCNT									
Daily Operations									
Operations Summary UNIVERSAL PRESSURE PUMPING FRAC COMPLETED STAGES 28-35 OF 43. CASEDHOLE SOLUTIONS WIRELINE PERFORATED STAGES 29- 36									
Planned Operations WE ANTICIPATE UNIVERSAL PRESSURE PUMPING TO FRAC STAGES 36-42 OF 43, CASEDHOLE SOLUTIONS TO PERFORATE STAGES 37-43 OF 43									
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	DOWNTIME	No	FIXING DISCHARGE VALVES IN THE BLENDER DISCHARGE MANIFOLD , VALVE STEMS SHEARED WHEN UPP EO FORCED VALVE OPEN WITH ICE IN THE MANIFOLD		EQUIPMENT FAILURE	Yes
06:00	07:15	1.25	2.25	FRAC. JOB	No	UNIVERSAL PRESSURE PUMPING SUCCESFULLY COMPLETED FRAC STAGE 28 OF 43			
07:15	08:30	1.25	3.50	PERFORATING	No	PLUG AND PERF STAGE 29 OF 43. PUMP DOWN @ 20 BPM WITH MAX PSI OF 4700 TOTAL OF 133 BBLs PUMPED. PLUG SET WITH A TENSION LOSS OF 100 LBS AT A DEPTH OF 10,705'.			
08:30	10:15	1.75	5.25	FRAC. JOB	No	UNIVERSAL PRESSURE PUMPING SUCCESFULLY COMPLETED FRAC STAGE 29 OF 43			
10:15	11:30	1.25	6.50	PERFORATING	No	PLUG AND PERF STAGE 30 OF 43. PUMP DOWN @ 18 BPM WITH MAX PSI OF 4800 TOTAL OF 124 BBLs PUMPED. PLUG SET WITH A TENSION LOSS OF 160 LBS AT A DEPTH OF 10,553'.			
11:30	13:00	1.50	8.00	FRAC. JOB	No	UNIVERSAL PRESSURE PUMPING FRAC STAGE 30 OF 43. DURING 1.75 PPA 40/70, DECREASED RATE TO 70 BPM AND INCREASED FR LOADING TO 1. ON 2.25 PPA 40/70, DROPPED RATE AGAIN TO 67 BPM. JOB COMPLETED SUCCESSFULLY.			
13:00	14:15	1.25	9.25	PERFORATING	No	PLUG AND PERF STAGE 31 OF 43. PUMP DOWN @ 18 BPM WITH MAX PSI OF 4000 TOTAL OF 118 BBLs PUMPED. PLUG SET WITH A TENSION LOSS OF 180 LBS AT A DEPTH OF 10,401'.			
14:15	14:45	0.50	9.75	GENERAL OPERATIONS	No	GREASE MANIFOLD AND FRAC STACK			
14:45	16:15	1.50	11.25	FRAC. JOB	No	UNIVERSAL PRESSURE PUMPING SUCCESFULLY COMPLETED FRAC STAGE 31 OF 43			
16:15	17:30	1.25	12.50	PERFORATING	No	PLUG AND PERF STAGE 32 OF 43. PUMP DOWN @ 18 BPM WITH MAX PSI OF 4300 TOTAL OF 116 BBLs PUMPED. PLUG SET WITH A TENSION LOSS OF 130 LBS AT A DEPTH OF 10,246'. RE-HEAD WL.			
17:30	19:00	1.50	14.00	FRAC. JOB	No	UNIVERSAL PRESSURE PUMPING SUCCESFULLY COMPLETED FRAC STAGE 32 OF 43			
19:00	20:15	1.25	15.25	PERFORATING	No	PLUG AND PERF STAGE 33 OF 43. PUMP DOWN @ 18 BPM WITH MAX PSI OF 4500 TOTAL OF 104 BBLs PUMPED. PLUG SET WITH A TENSION LOSS OF 155 LBS AT A DEPTH OF 10,094'.			
20:15	21:45	1.50	16.75	FRAC. JOB	No	UNIVERSAL PRESSURE PUMPING SUCCESFULLY COMPLETED FRAC STAGE 33 OF 43			
21:45	22:45	1.00	17.75	PERFORATING	No	PLUG AND PERF STAGE 34 OF 43. PUMP DOWN @ 18 BPM WITH MAX PSI OF 4400 TOTAL OF 101 BBLs PUMPED. PLUG SET WITH A TENSION LOSS OF 150 LBS AT A DEPTH OF 9,945'.			
22:45	23:30	0.75	18.50	GENERAL OPERATIONS	No	GREASE MANIFOLD AND FRAC STACK			
23:30	00:45	1.25	19.75	FRAC. JOB	No	UNIVERSAL PRESSURE PUMPING SUCCESFULLY COMPLETED FRAC STAGE 34 OF 43			
00:45	02:00	1.25	21.00	PERFORATING	No	PLUG AND PERF STAGE 35 OF 43. PUMP DOWN @ 18 BPM WITH MAX PSI OF 4500 TOTAL OF 92 BBLs PUMPED. PLUG SET WITH A TENSION LOSS OF 115 LBS AT A DEPTH OF 9,793'.			
02:00	03:15	1.25	22.25	FRAC. JOB	No	UNIVERSAL PRESSURE PUMPING SUCCESFULLY COMPLETED FRAC STAGE 35 OF 43			
03:15	04:30	1.25	23.50	PERFORATING	No	PLUG AND PERF STAGE 36 OF 43. PUMP DOWN @ 18 BPM WITH MAX PSI OF 4400 TOTAL OF 84 BBLs PUMPED. PLUG SET WITH A TENSION LOSS OF 210 LBS AT A DEPTH OF 9,641'.			
04:30	05:00	0.50	24.00	FRAC. JOB	No	UNIVERSAL PRESSURE PUMPING STARTED FRAC STAGE 36 OF 43			
NPT									
Typ		SubTyp	Des		Start Date	End Date	Failed Item	Accountable Party	Dur (hr)
SURFACE EQUIPMENT		BLENDER	REPAIR DISCHARGE MANIFOLD VALVE		3/1/2015 05:01	3/1/2015 06:00		UNIVERSAL PRESSURE PUMPING INC	0.98
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		10,705.0	10,707.0	4 3/8		3/1/2015		STAGE 29	
FRAC PLUG		10,553.0	10,555.0	4 3/8		3/1/2015		STAGE 30	
FRAC PLUG		10,401.0	10,403.0	4 3/8		3/1/2015		STAGE 31	
FRAC PLUG		10,246.0	10,248.0	4 3/8		3/1/2015		STAGE 32	
FRAC PLUG		10,094.0	10,096.0	4 3/8		3/1/2015		STAGE 33	
FRAC PLUG		9,945.0	9,947.0	4 3/8		3/1/2015		STAGE 34	
FRAC PLUG		9,793.0	9,795.0	4 3/8		3/2/2015		STAGE 35	
FRAC PLUG		9,641.0	9,643.0	4 3/8		3/2/2015		STAGE 36	
Perforation Intervals									
Time	Zone	Top (ftKB)		Btm (ftKB)		Shot Dens (shots/ft)	Gun Size (in)	Com	
03:59	WOLFCAMP A, ORIGINAL HOLE	9,504.0		9,505.0		6.0	3 1/8		
03:59	WOLFCAMP A, ORIGINAL HOLE	9,534.0		9,535.2		6.0	3 1/8		
03:59	WOLFCAMP A, ORIGINAL HOLE	9,564.0		9,565.2		6.0	3 1/8		
03:59	WOLFCAMP A, ORIGINAL HOLE	9,594.0		9,595.2		6.0	3 1/8		
03:59	WOLFCAMP A, ORIGINAL HOLE	9,625.0		9,626.3		6.0	3 1/8		
01:26	WOLFCAMP A, ORIGINAL HOLE	9,656.0		9,657.0		6.0	3 1/8		
01:26	WOLFCAMP A, ORIGINAL HOLE	9,686.0		9,687.2		6.0	3 1/8		
01:26	WOLFCAMP A, ORIGINAL HOLE	9,716.0		9,717.2		6.0	3 1/8		
01:26	WOLFCAMP A, ORIGINAL HOLE	9,746.0		9,747.2		6.0	3 1/8		
01:26	WOLFCAMP A, ORIGINAL HOLE	9,776.0		9,777.3		6.0	3 1/8		
22:15	WOLFCAMP A, ORIGINAL HOLE	9,808.0		9,809.0		6.0	3 1/8		
22:15	WOLFCAMP A, ORIGINAL HOLE	9,838.0		9,839.2		6.0	3 1/8		
22:15	WOLFCAMP A, ORIGINAL HOLE	9,868.0		9,869.2		6.0	3 1/8		
22:15	WOLFCAMP A, ORIGINAL HOLE	9,898.0		9,899.0		6.0	3 1/8		
22:15	WOLFCAMP A, ORIGINAL HOLE	9,928.0		9,929.3		6.0	3 1/8		
19:37	WOLFCAMP A, ORIGINAL HOLE	9,960.0		9,961.0		6.0	3 1/8		
19:37	WOLFCAMP A, ORIGINAL HOLE	9,990.0		9,991.2		6.0	3 1/8		
19:37	WOLFCAMP A, ORIGINAL HOLE	10,020.0		10,021.2		6.0	3 1/8		
19:37	WOLFCAMP A, ORIGINAL HOLE	10,050.0		10,051.2		6.0	3 1/8		
19:37	WOLFCAMP A, ORIGINAL HOLE	10,080.0		10,081.3		6.0	3 1/8		
17:02	WOLFCAMP A, ORIGINAL HOLE	10,111.0		10,112.0		6.0	3 1/8		



UNIVERSITY 09 0804H
AEPB WELL NO. 22

3/2/2015
DV02062
4,345,700

Time	Zone	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Gun Size (in)	Com
17:02	WOLFCAMP A, ORIGINAL HOLE	10,142.0	10,143.2	6.0	3 1/8	
17:02	WOLFCAMP A, ORIGINAL HOLE	10,172.0	10,173.2	6.0	3 1/8	
17:02	WOLFCAMP A, ORIGINAL HOLE	10,200.0	10,201.2	6.0	3 1/8	
17:02	WOLFCAMP A, ORIGINAL HOLE	10,232.0	10,233.3	6.0	3 1/8	
13:30	WOLFCAMP A, ORIGINAL HOLE	10,264.0	10,265.0	6.0	3 1/8	
13:30	WOLFCAMP A, ORIGINAL HOLE	10,290.0	10,921.2	6.0	3 1/8	
13:30	WOLFCAMP A, ORIGINAL HOLE	10,324.0	10,325.2	6.0	3 1/8	
13:30	WOLFCAMP A, ORIGINAL HOLE	10,354.0	10,355.2	6.0	3 1/8	
13:30	WOLFCAMP A, ORIGINAL HOLE	10,381.0	10,382.3	6.0	3 1/8	
11:00	WOLFCAMP A, ORIGINAL HOLE	10,416.0	10,417.0	6.0	3 1/8	
11:00	WOLFCAMP A, ORIGINAL HOLE	10,446.0	10,447.2	6.0	3 1/8	
11:00	WOLFCAMP A, ORIGINAL HOLE	10,471.0	10,472.2	6.0	3 1/8	
11:00	WOLFCAMP A, ORIGINAL HOLE	10,506.0	10,507.2	6.0	3 1/8	
11:00	WOLFCAMP A, ORIGINAL HOLE	10,536.0	10,537.3	6.0	3 1/8	
08:00	WOLFCAMP A, ORIGINAL HOLE	10,572.0	10,573.0	6.0	3 1/8	
08:00	WOLFCAMP A, ORIGINAL HOLE	10,598.0	10,599.2	6.0	3 1/8	
08:00	WOLFCAMP A, ORIGINAL HOLE	10,628.0	10,629.2	6.0	3 1/8	
08:00	WOLFCAMP A, ORIGINAL HOLE	10,658.0	10,659.2	6.0	3 1/8	
08:00	WOLFCAMP A, ORIGINAL HOLE	10,688.0	10,689.3	6.0	3 1/8	

Stimulations & Treatments

STAGE 29 - HYDRAULIC FRAC on 3/1/2015 08:40

Date	Type	Zone				Stim/Treat Company			Comment				
3/1/2015	HYDRAULIC FRAC	WOLFCAMP A, ORIGINAL HOLE				UNIVERSAL PRESSURE PUMPING, INC			TRACERS FFI-2700 STAGES 22-32 PUMPED NO ACID ON THIS STAGE				
P Pre SI (psi)	ISIP (psi)	P Post SI (psi)	5 min SI (psi)	10 min SI (psi)	15 min SI (psi)	P Break (psi)	BD Rate (bbl...)	Q Treat Min...	Q Treat Max...	Q Treat Avg...	Avg Treat Pr...	Proppant De...	Prop Placed...
1,785.0	4,122.0	3,865.0	3200			4,635.0	15	75	76	76	6,186.0	245,000	249,776
Max Treat Pressure (psi)			Avg Treat Pressure (psi)			Max Treat Rate (bbl/min)			Avg Treat Rate (bbl/min)			V clean+slurry (bbl)	
6,696.0			6,186.0			76			76			6018.26	

BIO 15-G BIOCIDES 61 gal; FFI 2700 CHEMICAL TRACER 11 gal; PROPPANT 100 MESH 33500 lb; PROPPANT 40/70 WHITE 216276 lb; WFR-5 FRICTION REDUCER 163 gal

STAGE 30 - HYDRAULIC FRAC on 3/1/2015 11:25

Date 3/1/2015	Type HYDRAULIC FRAC				Zone WOLFCAMP A, ORIGINAL HOLE				Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC				Comment TRACERS FFI-2700 STAGES 22-32 PUMPED NO ACID ON THIS STAGE					
P Pre SI (psi) 2,070.0	ISIP (psi) 3,426.0	P Post SI (psi) 3,195.0	5 min SI (psi) 2786	10 min SI (psi)	15 min SI (psi)	P Break (psi) 4,595.0	BD Rate (bbl/min) 15	Q Treat Min... 68	Q Treat Max... 74	Q Treat Avg... 72	Avg Treat Pr... 5,802.0	Proppant De... 245,000	Prop Placed... 250,580					
Max Treat Pressure (psi)			5,952.0	Avg Treat Pressure (psi)			5,802.0	Max Treat Rate (bbl/min)			74	Avg Treat Rate (bbl/min)			72	V clean+slurry (bbl)		5953.26

BIO 15-G BIOCIDES 55 gal; FFI 2700 CHEMICAL TRACER 11 gal; PROPPANT 100 MESH 34300 lb; PROPPANT 40/70 WHITE 216280 lb; WFR-5 FRICTION REDUCER 162 gal

STAGE 31 - HYDRAULIC FRAC on 3/1/2015 15:00

Date 3/1/2015	Type HYDRAULIC FRAC				Zone WOLFCAMP A, ORIGINAL HOLE				Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC			Comment TRACERS FFI-2700 STAGES 22-32 PUMPED NO ACID ON THIS STAGE.															
P Pre SI (psi) 1,700.0	ISIP (psi) 3,550.0	P Post SI (psi) 3,392.0	5 min SI (psi) 3017	10 min SI (psi)	15 min SI (psi)	P Break (psi) 4,911.0	BD Rate (bbl/min) 15	Q Treat Min... 73	Q Treat Max... 76	Q Treat Avg... 75	Avg Treat Pr... 6,201.1	Proppant De... 245,000	Prop Placed... 248,220														
Max Treat Pressure (psi)			7,033.0			Avg Treat Pressure (psi)			6,201.1			Max Treat Rate (bbl/min)			76			Avg Treat Rate (bbl/min)			75			V clean+slurry (bbl)		6259.26	

BIO 15-G BIOCIDE 79 gal; FFI 2700 CHEMICAL TRACER 11 gal; PROPPANT 100 MESH 33000 lb; PROPPANT 40/70 WHITE 215220 lb; WFR-5 FRICTION REDUCER 149 gal

STAGE 32 - HYDRAULIC FRAC on 3/1/2015 17:30

Date 3/1/2015	Type HYDRAULIC FRAC			Zone WOLFCAMP A, ORIGINAL HOLE			Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC			Comment TRACERS FFI-2700 STAGES 22-32 PUMPED NO ACID ON THIS STAGE.			
P Pre SI (psi) 1,965.0	ISIP (psi) 3,602.0	P Post SI (psi) 3,384.0	5 min SI (psi) 2850	10 min SI (psi)	15 min SI (psi)	P Break (psi) 4,716.0	BD Rate (bbl/min) 15	Q Treat Min... 74	Q Treat Max... 75	Q Treat Avg... 75	Avg Treat Rate... 6,088.5	Proppant De... 245,000	Prop Placed... 250,529
Max Treat Pressure (psi)			Avg Treat Pressure (psi)			Max Treat Rate (bbl/min)			Avg Treat Rate (bbl/min)			V clean+slurry (bbl)	
6,730.0			6,088.5			75			75			6403.26	

BIO 15-G BIOCIDES 65 gal; FFI 2700 CHEMICAL TRACER 11 gal; PROPPANT 100 MESH 34080 lb; PROPPANT 40/70 WHITE 216449 lb; WFR-5 FRICTION REDUCER 163 gal

STAGE 33 - HYDRAULIC FRAC on 3/1/2015 21:45

Date 3/1/2015	Type HYDRAULIC FRAC				Zone WOLFCAMP A, ORIGINAL HOLE				Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC			Comment TRACERS FFI-4200 STAGES 33-43 PUMPED NO ACID ON THIS STAGE.		
P Pre SI (psi) 1,938.0	ISIP (psi) 3,861.0	P Post SI (psi) 3,594.0	5 min SI (psi) 3150	10 min SI (psi)	15 min SI (psi)	P Break (psi) 4,699.0	BD Rate (bbl/min) 15	Q Treat Min... 74	Q Treat Max... 75	Q Treat Avg... 75	Avg Treat Pr... 5,939.6	Proppant De... 245,000	Prop Placed... 249,610	
Max Treat Pressure (psi)			Avg Treat Pressure (psi)			Max Treat Rate (bbl/min)			Avg Treat Rate (bbl/min)			V clean+slurry (bbl)		
6,310.0			5,939.6			75			75			6310.26		

BIO 15-G BIOCIDES 55 gal; FFI 4200 CHEMICAL TRACER 11 gal; PROPPANT 100 MESH 34000 lb; PROPPANT 40/70 WHITE 215610 lb; WFR-5 FRICTION REDUCER 159 gal

STAGE 34 - HYDRAULIC FRAC on 3/1/2015 23:30

Date 3/1/2015	Type HYDRAULIC FRAC			Zone WOLFCAMP A, ORIGINAL HOLE			Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC			Comment TRACERS FFI-4200 STAGES 33-43 PUMPED NO ACID ON THIS STAGE.			
P Pre SI (psi) 1,537.0	ISIP (psi) 3,665.0	P Post SI (psi) 3,554.0	5 min SI (psi) 2850	10 min SI (psi)	15 min SI (psi)	P Break (psi) 4,918.0	BD Rate (bbl/min) 15	Q Treat Min... 74	Q Treat Max... 75	Q Treat Avg... 75	Avg Treat Pr... 5,883.7	Proppant De... 245,000	Prop Placed... 249,650
Max Treat Pressure (psi)			Avg Treat Pressure (psi)			Max Treat Rate (bbl/min)			Avg Treat Rate (bbl/min)			V clean+slurry (bbl)	
6,721.0			5,883.7			75			75			6232.26	

BIO 15-G BIOCIDES 63 gal; FFI 4200 CHEMICAL TRACER 11 gal; PROPPANT 100 MESH 34240 lb; PROPPANT 40/70 WHITE 215410 lb; WFR-5 FRICTION REDUCER 162 gal

STAGE 35 - HYDRAULIC FRAC on 3/2/2015 02:00

Date 3/2/2015	Type HYDRAULIC FRAC				Zone WOLFCAMP A, ORIGINAL HOLE				Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC			Comment TRACERS FFI-4200 STAGES 33-43 PUMPED NO ACID ON THIS STAGE.		
P Pre SI (psi) 1,697.0	ISIP (psi) 3,568.0	P Post SI (psi) 3,513.0	5 min SI (psi) 2716	10 min SI (psi)	15 min SI (psi)	P Break (psi) 4,506.0	BD Rate (bbl/min) 15	Q Treat Min... 75	Q Treat Max... 76	Q Treat Avg... 76	Avg Treat Pr... 5,750.7	Proppant De... 245,000	Prop Placed... 248,840	
Max Treat Pressure (psi)			Avg Treat Pressure (psi)			Max Treat Rate (bbl/min)			Avg Treat Rate (bbl/min)			V clean+slurry (bbl)		
6,433.0			5,750.7			76			76			6233.26		

BIO 15-G BIOCIDES 65 gal; FFI 4200 CHEMICAL TRACER 11 gal; PROPPANT 100 MESH 34060 lb; PROPPANT 40/70 WHITE 214780 lb; WFR-5 FRICTION REDUCER 157 gal



AMERICAN ENERGY
PARTNERS

AMERICAN ENERGY - PERMIAN BASIN, LLC
Daily Completion Report

UNIVERSITY 09 0804H
AEPB WELL NO. 22

Report Date 3/3/2015
AFE # DV02062
Total AFE 4,345,700

API 42383392030000	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 DV02062			Supplemental AFE Number		Daily Field Est (Cost) 492,446		Cum Field Est (Cost) 2,768,160	
Number of Stages (ft) 43			Lateral Length (ft) 7,022		Time Since LTI (days) 1,240		Time Since Reportable Incident (days) 1,240	

Daily Contacts								
Contacts COMP SUP, CLAYTON BRUNTZ, LOOP; COMP SUP, JUSTIN STRINGER, LOOP; COMP SUPT, DAVID MAGOUIRK, CRSCNT; COMP SUPVR, CORY PORTER, CRSCNT								

Daily Operations								
Operations Summary UNIVERSAL PRESSURE PUMPING FRAC COMPLETED STAGES 36-43 OF 43. CASEDHOLE SOLUTIONS WIRELINE PERFORATED STAGES 37-43.								
Planned Operations WE ANTICIPATE UNIVERSAL PRESSURE PUMPING AND OTHER SUPPORT SERVICES TO BE RIGGING UP TO THE 09-0806 AND 09-0811 ZIPPER FRAC OPERATIONS AND CONTINUE OPERATIONS								

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	FRAC. JOB	No	UNIVERSAL PRESSURE PUMPING SUCCESSFULLY COMPLETED FRAC STAGE 36 OF 43			
06:00	07:15	1.25	2.25	PERFORATING	No	PLUG AND PERF STAGE 37 OF 43. PUMP DOWN @ 18 BPM WITH MAX PSI OF 4500 TOTAL OF 73 BBLs PUMPED. PLUG SET WITH A TENSION LOSS OF 100 LBS AT A DEPTH OF 9,490'			
07:15	08:45	1.50	3.75	FRAC. JOB	No	UNIVERSAL PRESSURE PUMPING SUCCESSFULLY COMPLETED FRAC STAGE 37 OF 43			
08:45	10:00	1.25	5.00	PERFORATING	No	PLUG AND PERF STAGE 38 OF 43. PUMP DOWN @ 18 BPM WITH MAX PSI OF 4,200 TOTAL OF 69 BBLs PUMPED. PLUG SET WITH A TENSION LOSS OF 40 LBS AT A DEPTH OF 9,337'			
10:00	11:30	1.50	6.50	FRAC. JOB	No	UNIVERSAL PRESSURE PUMPING SUCCESSFULLY COMPLETED FRAC STAGE 38 OF 43			
11:30	12:30	1.00	7.50	PERFORATING	No	PLUG AND PERF STAGE 39 OF 43. PUMP DOWN @ 18 BPM WITH MAX PSI OF 4,000 TOTAL OF 68 BBLs PUMPED. PLUG SET WITH A TENSION LOSS OF 100 LBS AT A DEPTH OF 9,185'			
12:30	13:00	0.50	8.00	GENERAL OPERATIONS	No	GREASE WELL AND MANIFOLD			
13:00	14:30	1.50	9.50	FRAC. JOB	No	UNIVERSAL PRESSURE PUMPING SUCCESSFULLY COMPLETED FRAC STAGE 39 OF 43			
14:30	15:30	1.00	10.50	PERFORATING	No	PLUG AND PERF STAGE 40 OF 43. PUMP DOWN @ 18 BPM WITH MAX PSI OF 4150 TOTAL OF 63 BBLs PUMPED. PLUG SET WITH A TENSION LOSS OF 100 LBS AT A DEPTH OF 9,038'			
15:30	17:00	1.50	12.00	FRAC. JOB	No	UNIVERSAL PRESSURE PUMPING SUCCESSFULLY COMPLETED FRAC STAGE 40 OF 43			
17:00	18:00	1.00	13.00	PERFORATING	No	PLUG AND PERF STAGE 41 OF 43. PUMP DOWN @ 18 BPM WITH MAX PSI OF 4400 TOTAL OF 93 BBLs PUMPED. PLUG SET WITH A TENSION LOSS OF 110 LBS AT A DEPTH OF 8,881'			
18:00	18:30	0.50	13.50	GENERAL OPERATIONS	No	GREASE WELL AND MANIFOLD			
18:30	20:00	1.50	15.00	FRAC. JOB	No	UNIVERSAL PRESSURE PUMPING SUCCESSFULLY COMPLETED FRAC STAGE 41 OF 43			
20:00	21:15	1.25	16.25	PERFORATING	No	PLUG AND PERF STAGE 42 OF 43. PUMP DOWN @ 18 BPM WITH MAX PSI OF 4400 TOTAL OF 75 BBLs PUMPED. PLUG SET WITH A TENSION LOSS OF 90 LBS AT A DEPTH OF 8,729'			
21:15	23:00	1.75	18.00	FRAC. JOB	No	UNIVERSAL PRESSURE PUMPING SUCCESSFULLY COMPLETED FRAC STAGE 42 OF 43			
23:00	00:00	1.00	19.00	PERFORATING	No	PLUG AND PERF STAGE 42 OF 43. PUMP DOWN @ 18 BPM WITH MAX PSI OF 4400 TOTAL OF 75 BBLs PUMPED. PLUG SET WITH A TENSION LOSS OF 90 LBS AT A DEPTH OF 8,729'			
00:00	01:30	1.50	20.50	FRAC. JOB	No	UNIVERSAL PRESSURE PUMPING SUCCESSFULLY COMPLETED FRAC STAGE 43 OF 43			
01:30	05:00	3.50	24.00	RIG UP/DOWN	No	SI LMV, BLED OFF PSI TO 0 PSI, SI UMV. SECURE WELL. ND FRAC STACK & UPP OFF WELL. MOVE OVER TO THE UL 09 #0806H & UL 09 #0811H.			

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	9,490.0	9,492.0	4 3/8		3/2/2015		STAGE 37
FRAC PLUG	9,337.0	9,339.0	4 3/8		3/2/2015		STAGE 38
FRAC PLUG	9,185.0	9,187.0	4 3/8		3/2/2015		STAGE 39
FRAC PLUG	9,038.0	9,040.0	4 3/8		3/2/2015		STAGE 40
FRAC PLUG	8,881.0	8,883.0	4 3/8		3/2/2015		STAGE 41
FRAC PLUG	8,729.0	8,731.0	4 3/8		3/2/2015		STAGE 42
FRAC PLUG	8,576.0	8,578.0	4 3/8		3/2/2015		STAGE 43

Perforation Intervals							
Time	Zone	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Gun Size (in)	Com	
23:38	WOLFCAMP A, ORIGINAL HOLE	8,440.0	8,441.0	6.0	3 1/8		
23:38	WOLFCAMP A, ORIGINAL HOLE	8,470.0	8,471.2	6.0	3 1/8		
23:38	WOLFCAMP A, ORIGINAL HOLE	8,500.0	8,501.2	6.0	3 1/8		
23:38	WOLFCAMP A, ORIGINAL HOLE	8,530.0	8,531.2	6.0	3 1/8		
23:38	WOLFCAMP A, ORIGINAL HOLE	8,560.0	8,561.3	6.0	3 1/8		
20:30	WOLFCAMP A, ORIGINAL HOLE	8,592.0	8,593.0	6.0	3 1/8		
20:30	WOLFCAMP A, ORIGINAL HOLE	8,622.0	8,623.2	6.0	3 1/8		
20:30	WOLFCAMP A, ORIGINAL HOLE	8,652.0	8,653.2	6.0	3 1/8		
20:30	WOLFCAMP A, ORIGINAL HOLE	8,682.0	8,683.2	6.0	3 1/8		
20:30	WOLFCAMP A, ORIGINAL HOLE	8,712.0	8,713.3	6.0	3 1/8		
17:39	WOLFCAMP A, ORIGINAL HOLE	8,744.0	8,745.0	6.0	3 1/8		
17:39	WOLFCAMP A, ORIGINAL HOLE	8,774.0	8,775.3	6.0	3 1/8		
17:39	WOLFCAMP A, ORIGINAL HOLE	8,802.0	8,803.2	6.0	3 1/8		
17:39	WOLFCAMP A, ORIGINAL HOLE	8,834.0	8,835.2	6.0	3 1/8		
17:39	WOLFCAMP A, ORIGINAL HOLE	8,864.0	8,865.2	6.0	3 1/8		
15:00	WOLFCAMP A, ORIGINAL HOLE	8,893.0	8,894.0	6.0	3 1/8		
15:00	WOLFCAMP A, ORIGINAL HOLE	8,926.0	8,927.2	6.0	3 1/8		
15:00	WOLFCAMP A, ORIGINAL HOLE	8,956.0	8,957.2	6.0	3 1/8		
15:00	WOLFCAMP A, ORIGINAL HOLE	8,983.0	8,984.2	6.0	3 1/8		
15:00	WOLFCAMP A, ORIGINAL HOLE	9,016.0	9,017.3	6.0	3 1/8		
12:30	WOLFCAMP A, ORIGINAL HOLE	9,048.0	9,049.0	6.0	3 1/8		
12:30	WOLFCAMP A, ORIGINAL HOLE	9,073.0	9,074.2	6.0	3 1/8		
12:30	WOLFCAMP A, ORIGINAL HOLE	9,108.0	9,109.2	6.0	3 1/8		
12:30	WOLFCAMP A, ORIGINAL HOLE	9,138.0	9,139.2	6.0	3 1/8		
12:30	WOLFCAMP A, ORIGINAL HOLE	9,163.0	9,164.3	6.0	3 1/8		
09:30	WOLFCAMP A, ORIGINAL HOLE	9,200.0	9,201.0	6.0	3 1/8		
09:30	WOLFCAMP A, ORIGINAL HOLE	9,230.0	9,231.2	6.0	3 1/8		
09:30	WOLFCAMP A, ORIGINAL HOLE	9,264.0	9,265.2	6.0	3 1/8		
09:30	WOLFCAMP A, ORIGINAL HOLE	9,290.0	9,291.2	6.0	3 1/8		
09:30	WOLFCAMP A, ORIGINAL HOLE	9,320.0	9,321.3	6.0	3 1/8		
06:15	WOLFCAMP A, ORIGINAL HOLE	9,354.0	9,355.0	6.0	3 1/8		
06:15	WOLFCAMP A, ORIGINAL HOLE	9,382.0	9,383.2	6.0	3 1/8		

Perforation Intervals													
Time	Zone				Top (ftKB)		Btm (ftKB)		Shot Dens (shots/ft)		Gun Size (in)		Com
06:15	WOLFCAMP A, ORIGINAL HOLE				9,412.0		9,413.2		6.0		3 1/8		
06:15	WOLFCAMP A, ORIGINAL HOLE				9,444.0		9,445.2		6.0		3 1/8		
06:15	WOLFCAMP A, ORIGINAL HOLE				9,472.0		9,473.3		6.0		3 1/8		
Stimulations & Treatments													
STAGE 37 - HYDRAULIC FRAC on 3/2/2015 07:32													
Date 3/2/2015		Type HYDRAULIC FRAC			Zone WOLFCAMP A, ORIGINAL HOLE			Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC		Comment TRACERS FFI-4200 STAGES 33-43 PUMPED NO ACID ON THIS STAGE.			
P Pre SI (psi)	ISIP (psi)	P Post SI (psi)	5 min SI (psi)	10 min SI (psi)	15 min SI (psi)	P Break (psi)	BD Rate (bbl/min)	Q Treat Min...	Q Treat Max...	Q Treat Avg...	Avg Treat Pr...	Proppant De...	Prop Placed...
1,744.0	3,704.0	3,507.0	3050			4,648.0	15	75	76	75	5,942.0	245,000	250,560
Max Treat Pressure (psi)			Avg Treat Pressure (psi)			Max Treat Rate (bbl/min)			Avg Treat Rate (bbl/min)			V clean+slurry (bbl)	
6,347.0			5,942.0			76			75			5290.26	
Total Add Amount													
BIO 15-G BIOCIDE 73 gal; FFI 4200 CHEMICAL TRACER 11 gal; PROPPANT 100 MESH 34680 lb; PROPPANT 40/70 WHITE 215880 lb; WFR-5 FRICTION REDUCER 153 gal													
STAGE 38 - HYDRAULIC FRAC on 3/2/2015 10:28													
Date 3/2/2015		Type HYDRAULIC FRAC			Zone WOLFCAMP A, ORIGINAL HOLE			Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC		Comment TRACERS FFI-4200 STAGES 33-43 PUMPED NO ACID ON THIS STAGE.			
P Pre SI (psi)	ISIP (psi)	P Post SI (psi)	5 min SI (psi)	10 min SI (psi)	15 min SI (psi)	P Break (psi)	BD Rate (bbl/min)	Q Treat Min...	Q Treat Max...	Q Treat Avg...	Avg Treat Pr...	Proppant De...	Prop Placed...
1,832.0	3,636.0	3,379.0	3164			4,962.0	15	75	76	76	5,940.7	245,000	249,580
Max Treat Pressure (psi)			Avg Treat Pressure (psi)			Max Treat Rate (bbl/min)			Avg Treat Rate (bbl/min)			V clean+slurry (bbl)	
6,895.0			5,940.7			76			76			5213.26	
Total Add Amount													
BIO 15-G BIOCIDE 59 gal; FFI 4200 CHEMICAL TRACER 11 gal; PROPPANT 100 MESH 34220 lb; PROPPANT 40/70 WHITE 215360 lb; WFR-5 FRICTION REDUCER 146 gal													
STAGE 39 - HYDRAULIC FRAC on 3/2/2015 12:58													
Date 3/2/2015		Type HYDRAULIC FRAC			Zone WOLFCAMP A, ORIGINAL HOLE			Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC		Comment TRACERS FFI-4200 STAGES 33-43 PUMPED NO ACID ON THIS STAGE.			
P Pre SI (psi)	ISIP (psi)	P Post SI (psi)	5 min SI (psi)	10 min SI (psi)	15 min SI (psi)	P Break (psi)	BD Rate (bbl/min)	Q Treat Min...	Q Treat Max...	Q Treat Avg...	Avg Treat Pr...	Proppant De...	Prop Placed...
1,848.0	3,650.0	3,504.0	3050			4,918.0	15	76	76	76	5,924.2	245,000	250,360
Max Treat Pressure (psi)			Avg Treat Pressure (psi)			Max Treat Rate (bbl/min)			Avg Treat Rate (bbl/min)			V clean+slurry (bbl)	
6,626.0			5,924.2			76			76			4968.26	
Total Add Amount													
BIO 15-G BIOCIDE 66 gal; FFI 4200 CHEMICAL TRACER 11 gal; PROPPANT 100 MESH 34380 lb; PROPPANT 40/70 WHITE 215980 lb; WFR-5 FRICTION REDUCER 139 gal													
STAGE 40 - HYDRAULIC FRAC on 3/2/2015 15:27													
Date 3/2/2015		Type HYDRAULIC FRAC			Zone WOLFCAMP A, ORIGINAL HOLE			Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC		Comment TRACERS FFI-4200 STAGES 33-43 PUMPED NO ACID ON THIS STAGE.			
P Pre SI (psi)	ISIP (psi)	P Post SI (psi)	5 min SI (psi)	10 min SI (psi)	15 min SI (psi)	P Break (psi)	BD Rate (bbl/min)	Q Treat Min...	Q Treat Max...	Q Treat Avg...	Avg Treat Pr...	Proppant De...	Prop Placed...
1,791.0	3,814.0	3,379.0	2959			4,828.0	15	76	76	76	5,770.0	245,000	250,161
Max Treat Pressure (psi)			Avg Treat Pressure (psi)			Max Treat Rate (bbl/min)			Avg Treat Rate (bbl/min)			V clean+slurry (bbl)	
6,389.0			5,770.0			76			76			4935.26	
Total Add Amount													
BIO 15-G BIOCIDE 61 gal; FFI 4200 CHEMICAL TRACER 11 gal; PROPPANT 100 MESH 34020 lb; PROPPANT 40/70 WHITE 216141 lb; WFR-5 FRICTION REDUCER 148 gal													
STAGE 41 - HYDRAULIC FRAC on 3/2/2015 18:32													
Date 3/2/2015		Type HYDRAULIC FRAC			Zone WOLFCAMP A, ORIGINAL HOLE			Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC		Comment TRACERS FFI-4200 STAGES 33-43 PUMPED NO ACID ON THIS STAGE.			
P Pre SI (psi)	ISIP (psi)	P Post SI (psi)	5 min SI (psi)	10 min SI (psi)	15 min SI (psi)	P Break (psi)	BD Rate (bbl/min)	Q Treat Min...	Q Treat Max...	Q Treat Avg...	Avg Treat Pr...	Proppant De...	Prop Placed...
1,501.0	3,668.0	3,587.0	2965			4,693.0	15	75	76	75	5,707.0	245,000	248,663
Max Treat Pressure (psi)			Avg Treat Pressure (psi)			Max Treat Rate (bbl/min)			Avg Treat Rate (bbl/min)			V clean+slurry (bbl)	
6,429.0			5,707.0			76			75			4968.26	
Total Add Amount													
BIO 15-G BIOCIDE 57 gal; FFI 4200 CHEMICAL TRACER 11 gal; PROPPANT 100 MESH 34000 lb; PROPPANT 40/70 WHITE 214663 lb; WFR-5 FRICTION REDUCER 140 gal													
STAGE 42 - HYDRAULIC FRAC on 3/2/2015 21:37													
Date 3/2/2015		Type HYDRAULIC FRAC			Zone WOLFCAMP A, ORIGINAL HOLE			Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC		Comment TRACERS FFI-4200 STAGES 33-43 PUMPED NO ACID ON THIS STAGE.			
P Pre SI (psi)	ISIP (psi)	P Post SI (psi)	5 min SI (psi)	10 min SI (psi)	15 min SI (psi)	P Break (psi)	BD Rate (bbl/min)	Q Treat Min...	Q Treat Max...	Q Treat Avg...	Avg Treat Pr...	Proppant De...	Prop Placed...
1,551.0	3,420.0	3,136.0	2400			4,708.0	15	75	76	75	5,455.0	245,000	250,514
Max Treat Pressure (psi)			Avg Treat Pressure (psi)			Max Treat Rate (bbl/min)			Avg Treat Rate (bbl/min)			V clean+slurry (bbl)	
5,962.0			5,455.0			76			75			4949.26	
Total Add Amount													
BIO 15-G BIOCIDE 63 gal; FFI 4200 CHEMICAL TRACER 11 gal; PROPPANT 100 MESH 34000 lb; PROPPANT 40/70 WHITE 216514 lb; WFR-5 FRICTION REDUCER 140 gal													
STAGE 43 - HYDRAULIC FRAC on 3/2/2015 21:37													
Date 3/2/2015		Type HYDRAULIC FRAC			Zone WOLFCAMP A, ORIGINAL HOLE			Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC		Comment TRACERS FFI-4200 STAGES 33-43 PUMPED NO ACID ON THIS STAGE.			
P Pre SI (psi)	ISIP (psi)	P Post SI (psi)	5 min SI (psi)	10 min SI (psi)	15 min SI (psi)	P Break (psi)	BD Rate (bbl/min)	Q Treat Min...	Q Treat Max...	Q Treat Avg...	Avg Treat Pr...	Proppant De...	Prop Placed...
1,546.0	3,692.0	3,440.0	2665			4,654.0	15	75	76	75	5,789.0	245,000	251,700
Max Treat Pressure (psi)			Avg Treat Pressure (psi)			Max Treat Rate (bbl/min)			Avg Treat Rate (bbl/min)			V clean+slurry (bbl)	
6,626.0			5,789.0			76			75			4938.26	
Total Add Amount													
BIO 15-G BIOCIDE 65 gal; FFI 4200 CHEMICAL TRACER 11 gal; PROPPANT 100 MESH 34260 lb; PROPPANT 40/70 WHITE 217440 lb; WFR-5 FRICTION REDUCER 140 gal													



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AMERICAN ENERGY - PERMIAN BASIN, LLC
Daily Completion Report

UNIVERSITY 09 0804H
AEPB WELL NO. 22

Report Date 3/4/2015
AFE # DV02062
Total AFE 4,345,700

API 42383392030000	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 DV02062		Supplemental AFE Number		Daily Field Est (Cost) 1,416		Cum Field Est (Cost) 2,768,813				
Number of Stages (ft) 43		Lateral Length (ft) 7,022		Time Since LTI (days) 1,241		Time Since Reportable Incident (days) 1,241				
Daily Contacts										
Contacts COMP SUP, CLAYTON BRUNTZ, LOOP; COMP SUP, JUSTIN STRINGER, LOOP; COMP SUPT, DAVID MAGOUIRK, CRSCNT; COMP SUPVR, CORY PORTER, CRSCNT										
Daily Operations										
Operations Summary WELL SHUT-IN AND SECURE, WAITING ON D/O										
Planned Operations WELL SHUT-IN AND SECURE, WAITING ON D/O										
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



UNIVERSITY 09 0804H
AEPB WELL NO. 22

Report Date	3/5/2015
AFE #	DV02062
Total AFE	4,345,700

Job Information					
Job Category	Primary Job Type		Secondary Job Type	Start Date	End Date
COMPLETION	COMPLETION - ORIGINAL			1/30/2015	
AFE Number	Supplemental AFE Number		Daily Field Est (Cost)	Cum Field Est (Cost)	
DV02062			1,416	2,770,413	
Number of Stages (ft)	Lateral Length (ft)	Time Since LTI (days)	Time Since Reportable Incident (days)		
43	7,022	1,242	1,242		

Contacts
COMP SUP, CLAYTON BRUNTZ, LOOP; COMP SUP, JUSTIN STRINGER, LOOP; COMP SUPT, DAVID MAGOUIRK, CRSCNT; COMP SUPVR, CORY PORTER, CRSCNT

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

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		

Time	Type	Inspected By	Description

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 0804H
AEPB WELL NO. 22

Report Date 3/6/2015
AFE # DV02062
Total AFE 4,345,700

API 42383392030000	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 DV02062		Supplemental AFE Number		Daily Field Est (Cost) 1,416		Cum Field Est (Cost) 2,771,829				
Number of Stages (ft) 43		Lateral Length (ft) 7,022		Time Since LTI (days) 1,243		Time Since Reportable Incident (days) 1,243				
Daily Contacts										
Contacts COMP SUP, CLAYTON BRUNTZ, LOOP; COMP SUP, JUSTIN STRINGER, LOOP; COMP SUPT, DAVID MAGOUIRK, CRSCNT; COMP SUPVR, CORY PORTER, CRSCNT										
Daily Operations										
Operations Summary WELL SHUT-IN AND SECURE, WAITING ON D/O										
Planned Operations WELL SHUT-IN AND SECURE, WAITING ON D/O										
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 0804H
AEPB WELL NO. 22

Report Date 3/7/2015
AFE # DV02062
Total AFE 4,345,700

API 42383392030000	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 DV02062		Supplemental AFE Number		Daily Field Est (Cost) 1,416		Cum Field Est (Cost) 2,700,361				
Number of Stages (ft) 43		Lateral Length (ft) 7,022		Time Since LTI (days) 1,244		Time Since Reportable Incident (days) 1,244				
Daily Contacts										
Contacts COMP SUP, CLAYTON BRUNTZ, LOOP; COMP SUP, JUSTIN STRINGER, LOOP; COMP SUPT, DAVID MAGOUIRK, CRSCNT; COMP SUPVR, CORY PORTER, CRSCNT										
Daily Operations										
Operations Summary WELL SHUT-IN AND SECURE, WAITING ON D/O										
Planned Operations WELL SHUT-IN AND SECURE, WAITING ON D/O										
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

UNIVERSITY 09 0804H

AEPB WELL NO. 22

API 42383392030000	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 DV02062		Supplemental AFE Number			Daily Field Est (Cost) 1,416		Cum Field Est (Cost) 2,702,393		
Number of Stages (ft) 43		Lateral Length (ft) 7,022			Time Since LTI (days) 1,245		Time Since Reportable Incident (days) 1,245		
Daily Contacts									
Contacts COMP SUP, CLAYTON BRUNTZ, LOOP; COMP SUP, JUSTIN STRINGER, LOOP; COMP SUPT, DAVID MAGOUIRK, CRSCNT; COMP SUPVR, CORY PORTER, CRSCNT									
Daily Operations									
Operations Summary WELL SHUT-IN AND SECURE, WAITING ON D/O TIME LOG ADJUSTED FOR TIME CHANGE									
Planned Operations WELL SHUT-IN AND SECURE, WAITING ON D/O									
Time Log									
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Activity	Inactive?	Comments		Unschd Typ	NPT
05:00	04:00	23.00	23.00	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 0804H
AEPB WELL NO. 22

Report Date 3/9/2015
AFE # DV02062
Total AFE 4,345,700

API 42383392030000	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 DV02062		Supplemental AFE Number		Daily Field Est (Cost) 1,416		Cum Field Est (Cost) 2,743,924				
Number of Stages (ft) 43		Lateral Length (ft) 7,022		Time Since LTI (days) 1,246		Time Since Reportable Incident (days) 1,246				
Daily Contacts										
Contacts COMP SUP, CLAYTON BRUNTZ, LOOP; COMP SUP, JUSTIN STRINGER, LOOP; COMP SUPT, DAVID MAGOUIRK, CRSCNT; COMP SUPVR, CORY PORTER, CRSCNT										
Daily Operations										
Operations Summary WELL SHUT-IN AND SECURE, WAITING ON D/O										
Planned Operations WELL SHUT-IN AND SECURE, WAITING ON D/O										
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 0804H
AEPB WELL NO. 22

Report Date 3/10/2015
AFE # DV02062
Total AFE 4,345,700

API 42383392030000	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 DV02062		Supplemental AFE Number		Daily Field Est (Cost) 1,416		Cum Field Est (Cost) 2,745,340				
Number of Stages (ft) 43		Lateral Length (ft) 7,022		Time Since LTI (days) 1,247		Time Since Reportable Incident (days) 1,247				
Daily Contacts										
Contacts COMP SUP, CLAYTON BRUNTZ, LOOP; COMP SUP, JUSTIN STRINGER, LOOP; COMP SUPT, DAVID MAGOUIRK, CRSCNT; COMP SUPVR, CORY PORTER, CRSCNT										
Daily Operations										
Operations Summary WELL SHUT-IN AND SECURE, WAITING ON D/O										
Planned Operations WELL SHUT-IN AND SECURE, WAITING ON D/O										
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

42383380340000	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 DV02062		Supplemental AFE Number		Daily Field Est (Cost) 75,963		Cum Field Est (Cost) 2,821,303		
Number of Stages (ft) 43		Lateral Length (ft) 7,022		Time Since LTI (days) 1,248		Time Since Reportable Incident (days) 1,248		
Daily Contacts								
Contacts COMP SUPER, WES WILSON, LOOP; COMP SUP, DAN CURTIS, LOOP								
Daily Operations								
Operations Summary MIRU CT UNIT AND ALL SUPPORT EQUIPMENT, DRILL OUT PLUGS 43-31 OF 43.								
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 TODAY'S ACTIVITIES, OVER HEAD LOADS, PINCH POINTS AND EMERGENCY PROCEDURES.		
05:15	11:00	5.75	6.00	RIG UP/DOWN	No	MIRU 2 5/8 CT UNIT, AMERIFLOW DRILL OUT PACKAGE, CIRCLE 8 CRANE AND ALL SUPORT EQUIPMENT.		
11:00	15:00	4.00	10.00	STANDBY	No	WAITING ON TRI STATE TO BRING FLOW CROSS.		
15:00	16:00	1.00	11.00	INSTALL NEW DOWNHOLE ASSEMBLY	No	PULL TEST COIL CONNECTOR TO 30,00# GOOD TEST, SURFACE TEST BHA @ 3.5 BPM, PRESSURE 3600#, GOOD TEST. COIL CONNECTOR=0.33 BP VALVE=1.40 JARS=5.18 DISCONNECT=1.46 CIR SUB=1.38 X OVER=0.67 AGITATOR=4.37 WEIGHT BAR=4.77 AGITATOR=4.37 X OVER=0.61 MOTOR=14.32 X OVER=0.67 BIT=0.50 TOTAL=40.03		
16:00	17:00	1.00	12.00	PRESSURE TEST	No	PRESSURE TEST ALL SURFACE EQUIPMENT TO 7,500# GOOD TEST, EQUALIZE WELL OVER TO CT UNIT.		
17:00	17:15	0.25	12.25	SAFETY MEETING	No	TALKED ABOUT TODAY'S ACTIVITIES, OVER HEAD LOADS, PINCH POINTS AND EMERGENCY PROCEDURES.		
17:15	17:45	0.50	12.75	TRIPPING	No	RIH WITH CT 2 5/8 CT UNIT.		
17:45	19:45	2.00	14.75	DOWNTIME	No	WHILE RIH WITH CT UNIT, UNIT STOPPED TRACKING DEPTH AND SPEED TROUBLE SHOOT PROBLEM AND FIX.		Yes
19:45	21:30	1.75	16.50	TRIPPING	No	CONTINUE RIH WITH CT, WEIGHT CHECK @ 7,500', 38,000#, BRING PUMP ON LINE TO 3.5 BPM PRESSURE @4900#, WHP1150#.		
21:30	22:00	0.50	17.00	CLEAN OUT	No	TAG PLUG # 43 DEPTH 8577' CTU (8568') DRILL TIME= 10 MIN RATE IN = 3.5 BPM RATE OUT= 3.6 BPM CIRC PRESSURE = 4950 PSI FCP= 1000 PSI CHEMICALS= FR .25 / 10 SWEEP= 5 BBL 80 VISC SAND= LIGHT SAND		
22:00	22:45	0.75	17.75	CLEAN OUT	No	TAG PLUG # 42 DEPTH 8729' CTU (8726') DRILL TIME= 8 MIN RATE IN = 3.5 BPM RATE OUT= 3.6 BPM CIRC PRESSURE = 4950 PSI FCP= 1000 PSI CHEMICALS= FR .25 / 10 SWEEP= 5 BBL 80 VISC SAND= LIGHT SAND		
22:45	23:15	0.50	18.25	CLEAN OUT	No	TAG PLUG # 41 DEPTH 8884' CTU (8881') DRILL TIME= 12 MIN RATE IN = 3.5 BPM RATE OUT= 3.6 BPM CIRC PRESSURE = 5150 PSI FCP= 1020 PSI CHEMICALS= FR .25 / 10 SWEEP= 5 BBL 80 VISC SAND= LIGHT SAND		
23:15	23:45	0.50	18.75	CLEAN OUT	No	TAG PLUG # 40 DEPTH 9033' CTU (9040') DRILL TIME= 12 MIN RATE IN = 3.5 BPM RATE OUT= 3.6 BPM CIRC PRESSURE = 5100 PSI FCP= 980 PSI CHEMICALS= FR .25 / 10 SWEEP= 5 BBL 80 VISC SAND= MEDIUM SAND		
23:45	00:30	0.75	19.50	CLEAN OUT	No	TAG PLUG # 39 DEPTH 9183' CTU (9196') DRILL TIME= 10 MIN RATE IN = 3.5 BPM RATE OUT= 3.6 BPM CIRC PRESSURE = 5200 PSI FCP= 980 PSI CHEMICALS= FR .25 / 10 SWEEP= 5 BBL 80 VISC SAND= MEDIUM SAND		
00:30	01:15	0.75	20.25	CLEAN OUT	No	TAG PLUG # 38 DEPTH 9337' CTU (9343') DRILL TIME= 9 MIN RATE IN = 3.5 BPM RATE OUT= 3.6 BPM CIRC PRESSURE = 5200 PSI FCP= 975 PSI CHEMICALS= FR .25 / 10 SWEEP= 5 BBL 80 VISC SAND= MEDIUM SAND		
01:15	01:45	0.50	20.75	CLEAN OUT	No	TAG PLUG # 37 DEPTH 9490' CTU (9511') DRILL TIME= 9 MIN RATE IN = 3.5 BPM RATE OUT= 3.6 BPM CIRC PRESSURE = 5400 PSI FCP= 975 PSI CHEMICALS= FR .25 / 10 SWEEP= 5 BBL 80 VISC SAND= MEDIUM SAND		



UNIVERSITY 09 0804H
AEPB WELL NO. 22

Report Date	3/20/2015
AFE #	DV02062
Total AFE	4,345,700

Time Log											
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Activity	Inactive?	Comments				Unschd Typ	NPT
01:45	02:15	0.50	21.25	CLEAN OUT	No	TAG PLUG # 36 DEPTH 9641' CTU (9668') DRILL TIME= 12 MIN RATE IN = 3.5 BPM RATE OUT= 3.6 BPM CIRC PRESSURE = 5400 PSI FCP= 950 PSI CHEMICALS= FR .25 / 10 SWEEP= 5 BBL 80 VISC SAND= MEDIUM SAND					
02:15	02:45	0.50	21.75	CLEAN OUT	No	TAG PLUG # 35 DEPTH 9793' CUT (9800') DRILL TIME= 10 MIN RATE IN = 3.5 BPM RATE OUT= 3.6 BPM CIRC PRESSURE = 5400 PSI FCP= 900 PSI CHEMICALS= FR .25 / 10 SWEEP= 5 BBL 80 VISC SAND= HEAVY SAND					
02:45	03:30	0.75	22.50	CLEAN OUT	No	TAG PLUG # 34 DEPTH 9945' CTU (9880') DRILL TIME= 12 MIN RATE IN = 3.5 BPM RATE OUT= 3.6 BPM CIRC PRESSURE = 5600 PSI FCP= 970 PSI CHEMICALS= FR .25 / 10 SWEEP= 5 BBL 80 VISC SAND= HEAVY SAND					
03:30	04:15	0.75	23.25	CLEAN OUT	No	TAG PLUG # 33 DEPTH 10094' CTU (10095') DRILL TIME= 15 MIN RATE IN = 3.5 BPM RATE OUT= 3.6 BPM CIRC PRESSURE = 5600 PSI FCP= 980 PSI CHEMICALS= FR .25 / 10 SWEEP= 5 BBL 80 VISC SAND= HEAVY SAND					
04:15	04:45	0.50	23.75	CLEAN OUT	No	TAG PLUG # 32 DEPTH 10246' CTU (10295') DRILL TIME= 12 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= HEAVY SAND					
04:45	05:00	0.25	24.00	CLEAN OUT	No	TAG PLUG # 31 DEPTH 10401' CTU (10454') DRILL TIME= 15 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= HEAVY SAND					
NPT											
Type		SubTyp	Des		Start Date	End Date	Failed Item		Accountable Party	Dur (hr)	
SURFACE EQUIPMENT		CTU	SPEED AND DEPTH TRACKING		3/19/2015 17:45	3/19/2015 19:45				2.00	
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				
FRAC PLUG	10,401.0	10,403.0	4 3/8		3/1/2015	3/20/2015	STAGE 31				
Description	Top (ftKB)	Btm (ftKB)	OD (in)	ID (in)	Run Date	Pull Date	Comment				
FRAC PLUG	10,246.0	10,248.0	4 3/8		3/1/2015	3/20/2015	STAGE 32				
Description	Top (ftKB)	Btm (ftKB)	OD (in)	ID (in)	Run Date	Pull Date	Comment				
FRAC PLUG	10,094.0	10,096.0	4 3/8		3/1/2015	3/20/2015	STAGE 33				
Description	Top (ftKB)	Btm (ftKB)	OD (in)	ID (in)	Run Date	Pull Date	Comment				
FRAC PLUG	9,945.0	9,947.0	4 3/8		3/1/2015	3/20/2015	STAGE 34				
Description	Top (ftKB)	Btm (ftKB)	OD (in)	ID (in)	Run Date	Pull Date	Comment				
FRAC PLUG	9,793.0	9,795.0	4 3/8		3/2/2015	3/20/2015	STAGE 35				
Description	Top (ftKB)	Btm (ftKB)	OD (in)	ID (in)	Run Date	Pull Date	Comment				
FRAC PLUG	9,641.0	9,643.0	4 3/8		3/2/2015	3/20/2015	STAGE 36				
Description	Top (ftKB)	Btm (ftKB)	OD (in)	ID (in)	Run Date	Pull Date	Comment				
FRAC PLUG	9,490.0	9,492.0	4 3/8		3/2/2015	3/20/2015	STAGE 37				
Description	Top (ftKB)	Btm (ftKB)	OD (in)	ID (in)	Run Date	Pull Date	Comment				
FRAC PLUG	9,337.0	9,339.0	4 3/8		3/2/2015	3/20/2015	STAGE 38				
Description	Top (ftKB)	Btm (ftKB)	OD (in)	ID (in)	Run Date	Pull Date	Comment				
FRAC PLUG	9,185.0	9,187.0	4 3/8		3/2/2015	3/19/2015	STAGE 39				
Description	Top (ftKB)	Btm (ftKB)	OD (in)	ID (in)	Run Date	Pull Date	Comment				
FRAC PLUG	9,038.0	9,040.0	4 3/8		3/2/2015	3/19/2015	STAGE 40				
Description	Top (ftKB)	Btm (ftKB)	OD (in)	ID (in)	Run Date	Pull Date	Comment				
FRAC PLUG	8,881.0	8,883.0	4 3/8		3/2/2015	3/19/2015	STAGE 41				
Description	Top (ftKB)	Btm (ftKB)	OD (in)	ID (in)	Run Date	Pull Date	Comment				
FRAC PLUG	8,729.0	8,731.0	4 3/8		3/2/2015	3/19/2015	STAGE 42				
Description	Top (ftKB)	Btm (ftKB)	OD (in)	ID (in)	Run Date	Pull Date	Comment				
FRAC PLUG	8,576.0	8,578.0	4 3/8		3/2/2015	3/19/2015	STAGE 43				
Perforation Intervals											
Time	Zone		Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Gun Size (in)	Com				

42383392030000	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 DV02062		Supplemental AFE Number			Daily Field Est (Cost) 130,021		Cum Field Est (Cost) 2,978,715	
Number of Stages (ft) 43		Lateral Length (ft) 7,022			Time Since LTI (days) 1,249		Time Since Reportable Incident (days) 1,249	
Daily Contacts								
Contacts COMP SUPER, WES WILSON, LOOP; COMP SUP, DAN CURTIS, LOOP								
Daily Operations								
Operations Summary DRILL OUT PLUGS 30-2 OF 43, DID DRILL SOLID TOE PLUG, ALL PLUGS DRILLED OUT.								
Planned Operations DRILL OUT FRAC PLUGS								
Time Log								
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Activity	Inactive?	Comments	Unsched Typ	NPT
05:00	05:15	0.25	0.25	SAFETY MEETING	No	DISCUSSED TODAY'S ACTIVITIES. PINCHPOINTS, TRIP HAZARDS, EMERGENCY PROCEDURES. RANCH RULES, HOUSE KEEPING.		
05:15	05:30	0.25	0.50	CLEAN OUT	No	TAG PLUG # 30 DEPTH 10553' CTU (') PLUG SKID DOWN HOLE DRILL TIME= 0 MIN RATE IN = 3.5 BPM RATE OUT= 3.6 BPM CIRC PRESSURE = 5600 PSI FCP= 900 PSI CHEMICALS= FR .25 / 10 SWEEP= 0 BBL 80 VISC SAND= MEDIUM SAND		
05:30	05:45	0.25	0.75	CLEAN OUT	No	TAG PLUG # 29 DEPTH 10705' CTU (10751') DRILL TIME= 40 MIN RATE IN = 3.5 BPM RATE OUT= 3.6 BPM CIRC PRESSURE = 4600 PSI FCP= 800 PSI CHEMICALS= FR .25 / 10 SWEEP= 10 BBL 80 VISC SAND= MEDIUM SAND		
05:45	06:45	1.00	1.75	CLEAN OUT	No	TAG PLUG # 28 DEPTH 10857' CTU (10923') DRILL TIME= 13 MIN RATE IN = 3.5 BPM RATE OUT= 3.6 BPM CIRC PRESSURE = 4700 PSI FCP= 823 PSI CHEMICALS= FR .25 / 10 SWEEP= 5 BBL 80 VISC SAND= MEDIUM SAND		
06:45	07:15	0.50	2.25	CLEAN OUT	No	TAG PLUG # 27 DEPTH 11009' CTU (11080') DRILL TIME= 22 MIN RATE IN = 3.5 BPM RATE OUT= 3.7 BPM CIRC PRESSURE = 4710 PSI FCP= 728 PSI CHEMICALS= FR .25 / 10 SWEEP= 5 BBL 80 VISC SAND= MEDIUM SAND		
07:15	08:00	0.75	3.00	CLEAN OUT	No	TAG PLUG # 26 DEPTH 11145' CTU (11233') DRILL TIME= 14 MIN RATE IN = 3.5 BPM RATE OUT= 3.7 BPM CIRC PRESSURE = 4577 PSI FCP= 754 PSI CHEMICALS= FR .25 / 10 SWEEP= 20 BBL 80 VISC SAND= LIGHT SAND		
08:00	09:00	1.00	4.00	CLEAN OUT	No	TAG PLUG # 25 DEPTH 11297' CTU (11401') DRILL TIME= 12 MIN RATE IN = 3.5 BPM RATE OUT= 3.7 BPM CIRC PRESSURE = 4593 PSI FCP= 731 PSI CHEMICALS= FR .25 / 10 SWEEP= 5 BBL 80 VISC SAND= LIGHT SAND		
09:00	09:30	0.50	4.50	CLEAN OUT	No	TAG PLUG # 24 DEPTH 11449' CTU (11553') DRILL TIME= 10 MIN RATE IN = 3.5 BPM RATE OUT= 3.6 BPM CIRC PRESSURE = 4608 PSI FCP= 810 PSI CHEMICALS= FR .25 / 10 SWEEP= 5 BBL 80 VISC SAND= LIGHT SAND		
09:30	11:00	1.50	6.00	CLEAN OUT	No	TAG PLUG # 23 DEPTH 11601' CTU (11713') DRILL TIME= 12 MIN RATE IN = 3.5 BPM RATE OUT= 3.6 BPM CIRC PRESSURE = 4656 PSI FCP= 767 PSI CHEMICALS= FR .25 / 10 SWEEP= 10 BBL 80 VISC SAND= LIGHT SAND		
11:00	12:00	1.00	7.00	CLEAN OUT	No	TAG PLUG # 22 DEPTH 11769' CTU (11868') DRILL TIME= 11 MIN RATE IN = 3.5 BPM RATE OUT= 3.7 BPM CIRC PRESSURE = 4693 PSI FCP= 743 PSI CHEMICALS= FR .25 / 10 SWEEP= 5 BBL 80 VISC SAND= LIGHT SAND		
12:00	12:30	0.50	7.50	CLEAN OUT	No	TAG PLUG # 21 DEPTH 11921' CTU (12027') DRILL TIME= 13 MIN RATE IN = 3.8 BPM RATE OUT= 4.0 BPM CIRC PRESSURE = 5020 PSI FCP= 800 PSI CHEMICALS= FR .25 / 10 SWEEP= 10 BBL 80 VISC SAND= LIGHT SAND		
12:30	13:15	0.75	8.25	CLEAN OUT	No	TAG PLUG # 20 DEPTH 12073' CTU (12189') DRILL TIME= 12 MIN RATE IN = 3.8 BPM RATE OUT= 4.0 BPM CIRC PRESSURE = 5000 PSI FCP= 800 PSI CHEMICALS= FR .25 / 10 SWEEP= 5 BBL 80 VISC SAND= LIGHT SAND		



UNIVERSITY 09 0804H
AEPB WELL NO. 22

Total AFE

4,345,700

Time Log								
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Activity	Inactive?	Comments	Unschd Typ	NPT
13:15	14:00	0.75	9.00	CLEAN OUT	No	TAG PLUG # 19 DEPTH 12209' CTU (12340') DRILL TIME= 9 MIN RATE IN = 3.8 BPM RATE OUT= 4.0 BPM CIRC PRESSURE = 5000 PSI FCP= 800 PSI CHEMICALS= FR .25 / 10 SWEEP= 5 BBL 80 VISC SAND= LIGHT SAND		
14:00	14:45	0.75	9.75	CLEAN OUT	No	TAG PLUG # 18 DEPTH 12337' CTU (12498') DRILL TIME= 9 MIN RATE IN = 3.8 BPM RATE OUT= 4.0 BPM CIRC PRESSURE = 5300 PSI FCP= 780 PSI CHEMICALS= FR .25 / 10 SWEEP= 5 BBL 80 VISC SAND= LIGHT SAND		
14:45	15:15	0.50	10.25	CLEAN OUT	No	TAG PLUG # 17 DEPTH 12337' CTU (12498') DRILL TIME= 5 MIN RATE IN = 3.8 BPM RATE OUT= 4.0 BPM CIRC PRESSURE = 5400 PSI FCP= 780 PSI CHEMICALS= FR .25 / 10 SWEEP= 10 BBL 80 VISC SAND= LIGHT SAND		
15:15	15:45	0.50	10.75	CLEAN OUT	No	TAG PLUG # 16 DEPTH 12681' CTU (12812') DRILL TIME= 9 MIN RATE IN = 3.8 BPM RATE OUT= 4.0 BPM CIRC PRESSURE = 5310 PSI FCP= 740 PSI CHEMICALS= FR .25 / 10 SWEEP= 5 BBL 80 VISC SAND= LIGHT SAND		
15:45	16:30	0.75	11.50	CLEAN OUT	No	TAG PLUG # 15 DEPTH 12833' CTU (12971') DRILL TIME= 9 MIN RATE IN = 3.8 BPM RATE OUT= 4.0 BPM CIRC PRESSURE = 5115 PSI FCP= 823 PSI CHEMICALS= FR .25 / 10 SWEEP= 5 BBL 80 VISC SAND= LIGHT SAND		
16:30	17:45	1.25	12.75	CLEAN OUT	No	TAG PLUG # 14 DEPTH 12985' CTU (13123') DRILL TIME= 10 MIN RATE IN = 3.8 BPM RATE OUT= 4.0 BPM CIRC PRESSURE = 5102 PSI FCP= 810 PSI CHEMICALS= FR .25 / 10 SWEEP= 5 BBL 80 VISC SAND= LIGHT SAND		
17:45	18:00	0.25	13.00	SAFETY MEETING	No	NIGHT CREW SAFETY MEETING: DISCUSSED EMERGENCY PROCEDURES, PINCHPOINTS, TRIP HAZARDS. RANCH RULES, HOUSE KEEPING.MOVING EQUIPMENT.		
18:00	18:15	0.25	13.25	CLEAN OUT	No	TAG PLUG # 13 DEPTH 13349' CTU (13443') DRILL TIME= 10 MIN RATE IN = 3.8 BPM RATE OUT= 4.0 BPM CIRC PRESSURE = 5400 PSI FCP= 750 PSI CHEMICALS= FR .25 / 10 SWEEP= 5 BBL 80 VISC SAND= LIGHT SAND		
18:15	19:15	1.00	14.25	CLEAN OUT	No	TAG PLUG # 12 DEPTH 13349' CTU (13443') DRILL TIME= 12 MIN RATE IN = 3.8 BPM RATE OUT= 4.0 BPM CIRC PRESSURE = 5400 PSI FCP= 750 PSI CHEMICALS= FR .25 / 10 SWEEP= 5 BBL 80 VISC SAND= MEDIUM SAND		
19:15	19:45	0.50	14.75	CLEAN OUT	No	TAG PLUG # 11 DEPTH 13541' CTU (13577') DRILL TIME= 15 MIN RATE IN = 3.8 BPM RATE OUT= 4.0 BPM CIRC PRESSURE = 5300 PSI FCP= 750 PSI CHEMICALS= FR .25 / 10 SWEEP= 5 BBL 80 VISC SAND= MEDIUM SAND		
19:45	20:30	0.75	15.50	CLEAN OUT	No	TAG PLUG # 10 DEPTH 13593' CTU (13650') DRILL TIME= 13 MIN RATE IN = 3.8 BPM RATE OUT= 4.0 BPM CIRC PRESSURE = 5300 PSI FCP= 725 PSI CHEMICALS= FR .25 / 10 SWEEP= 5 BBL 80 VISC SAND= MEDIUM SAND		
20:30	21:30	1.00	16.50	CLEAN OUT	No	TAG PLUG # 9 DEPTH 13745' CTU (13811') DRILL TIME= 9 MIN RATE IN = 3.8 BPM RATE OUT= 4.0 BPM CIRC PRESSURE = 5300 PSI FCP= 725 PSI CHEMICALS= FR .25 / 10 SWEEP= 5 BBL 80 VISC SAND= MEDIUM SAND		
21:30	22:30	1.00	17.50	CLEAN OUT	No	TAG PLUG # 8 DEPTH 13879' CTU (13979') DRILL TIME= 9 MIN RATE IN = 3.8 BPM RATE OUT= 4.0 BPM CIRC PRESSURE = 5450 PSI FCP= 700 PSI CHEMICALS= FR .25 / 10 SWEEP= 5 BBL 80 VISC SAND= MEDIUM SAND		
22:30	23:45	1.25	18.75	CLEAN OUT	No	TAG PLUG # 7 DEPTH 14049' CTU (14149') DRILL TIME= 9 MIN RATE IN = 3.8 BPM RATE OUT= 4.0 BPM CIRC PRESSURE = 5450 PSI FCP= 700 PSI CHEMICALS= FR .25 / 10 SWEEP= 5 BBL 80 VISC SAND= MEDIUM SAND		



UNIVERSITY 09 0804H
AEPB WELL NO. 22

Report Date	3/21/2015
AFE #	DV02062
Total AFE	4,345,700

Safety Checks

Plug Details

Perforation Intervals

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



UNIVERSITY 09 0804H
AEPB WELL NO. 22

Report Date	3/22/2015
AFE #	DV02062
Total AFE	4,345,700

Job Information				
Job Category COMPLETION	Primary Job Type COMPLETION - ORIGINAL	Secondary Job Type	Start Date 1/30/2015	End Date
AFE Number DV02062	Supplemental AFE Number	Daily Field Est (Cost) 120,393	Cum Field Est (Cost) 3,096,107	
Number of Stages (ft) 43	Lateral Length (ft) 7,022	Time Since LTI (days) 1,250	Time Since Reportable Incident (days) 1,250	

Contacts
COMP SUPER, WES WILSON, LOOP; COMP SUP, DAN CURTIS, LOOP

Operations Summary

Planned Operations
POOH TO SURFACE WITH CT.

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 WORKING IN WET CONDITIONS, TRIP HAZZARDS, GOOD COMMUNICATIONS AND GOOD HOUSE KEEPING.		
05:15	05:15		0.25	TRIPPING	No	CONTINUE POOH TO SURFACE WITH CT AND TOOLS.		

Time	Type	Inspected By	Description
05:00	SAFETY MEETING	DAN CURTIS	PRE JOB SAFETY MEETING

Perforation Intervals



UNIVERSITY 09 0804H
AEPB WELL NO. 22

Report Date	3/23/2015
AFE #	DV02062
Total AFE	4,345,700

Job Information				
Job Category COMPLETION	Primary Job Type COMPLETION - ORIGINAL	Secondary Job Type	Start Date 1/30/2015	End Date
AFE Number DV02062	Supplemental AFE Number	Daily Field Est (Cost) 16,767	Cum Field Est (Cost) 3,128,424	
Number of Stages (ft) 43	Lateral Length (ft) 7,022	Time Since LTI (days) 1,251	Time Since Reportable Incident (days) 1,251	

Contacts
COMP SUPER, WES WILSON, LOOP; COMP SUP, DAN CURTIS, LOOP

Operations Summary
RUNNING IN WITH JUNK BASKET/ GAUGE RING. SET PACKER @7760

Planned Operations
SET PACKER

Start Time	End Time	Dur (hr)	Cum Dur (hr)	Activity	Inactive?	Comments	Unschd Typ	NPT
05:00	06:00	1.00	1.00	WIRELINE	No	FINISH POOH WITH 4.625 O.D.GAUGE RING. FIGHTING TRASH IN HOLE.		
06:00	09:00	3.00	4.00	WIRELINE	No	SET PACKER AT 7760'. POOH, PACKER PUMP OUT PINNED WITH 6 PINS AT 375 LB. PER PIN. 2250 LB SHEAR. INSTALLED WITH PINNED COLLAR.		
09:00	05:00	20.00	24.00	STANDBY	No	WELL SHUT IN. WELL READY FOR TUBING INSTALLATION.		

Time	Type	Inspected By	Description
06:00	SAFETY MEETING	WES WILSON	PRE JOB SAFETY MEETING

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



AMERICAN ENERGY
PARTNERS

AMERICAN ENERGY - PERMIAN BASIN, LLC
Daily Completion Report

UNIVERSITY 09 0804H
AEPB WELL NO. 22

Report Date 3/24/2015
AFE #
Total AFE

API 42383392030000	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 3/23/2015		End Date	
AFE Number		Supplemental AFE Number		Daily Field Est (Cost) 63,230		Cum Field Est (Cost) 63,230			
Number of Stages (ft)		Lateral Length (ft)		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 MIRUSU, NUBOP, PU ON/OFF TOOL, RIH W/ 2-7/8", LATCH ON TO PKR, NDBOP NU PROD TREE RU REV PMP BLOW OUT POP CPLG, TIH W/ WL, SET PSI GAUGE, TOH & RD WL.									
Planned Operations RIG UP FLOWBACK OPERATIONS									
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	W O DAY LIGHT, WELL SHUTIN.			
07:30	08:00	0.50	3.00	SAFETY MEETING	No	MASON UNIT CREW TO LOCATION, SAFETY MEETING ON JSA -15 MINUTES.			
08:00	09:00	1.00	4.00	RIG UP/DOWN	No	MIRUSU			
09:00	10:00	1.00	5.00	INSTALL BOP'S	No	ND FRAC STACK NUBOP			
10:00	14:00	4.00	9.00	RUN TUBING	No	RIH ON/OFF TOOL 236 2-7/8" L-80 , 18' OF SUBS			
14:00	15:00	1.00	10.00	INSTALL WELLHEAD	No	NDBOP, NU PROD TREE, RU REV PMP BLOW OUT POP AT 2700# 2 BPM 700# PMP 40 BBLS 2% MIXED 5 GALS BIOCID			
15:00	16:00	1.00	11.00	RIG UP/DOWN	No	RDMO COMPLETION UNIT.			
16:00	18:30	2.50	13.50	WIRELINE	No	MIRU W/L, TIH W/ 2.30" GAUGE RING, TIH AT 18:30 HRS W/ GAUGE #1 (79713) & GAUGE #2 (79735) & SET PSI GUAGE AT 7772'. TOH W/ WL RDWL.			
18:30	19:00	0.50	14.00	GENERAL OPERATIONS	No	CLEAN LOC, SHUTIN WELL. NO ACCIDENTS OR SPILLS FOR DAY.			
19:00	05:00	10.00	24.00	RIG UP/DOWN	No	RU FLOW BACK			
Safety Checks									
Time		Type			Inspected By		Description		
07:30		SAFETY MEETING			SANDOVAL		JSA		
Perforation Intervals									
Time	Zone			Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Gun Size (in)	Com	
Tubing Run									
Run Time 14:00	Tubing Description TUBING - PRODUCTION			Set Depth (ftKB) 7,758.0	Max Nominal OD (in) 2 7/8	Weight/Length (lb/ft) 6.50	String Grade L-80		

UNIVERSITY 09 0804H

AEPB WELL NO. 22

API 42383392030000	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 3/23/2015	End Date	
AFE Number		Supplemental AFE Number			Daily Field Est (Cost)		Cum Field Est (Cost) 63,230		
Number of Stages (ft)		Lateral Length (ft)			Time Since LTI (days)		Time Since Reportable Incident (days)		
Daily Contacts									
Contacts FB SUPVR, DAVID BRAY, LOOP									
Daily Operations									
Operations Summary RU AMERIFLOW TEST EQUIPMENT, 01:38AM WALK LINE, 01:41AM, OPEN WELL TO TEST MANIFOLD, SITP 410 PSI, SICP 0, 04:01AM, OPEN WELL ON 18/64 CHOKE FLOWING WELL TO FRAC TANKS									
Planned Operations FLOW WELL ON PAD									
Time Log									
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Activity	Inactive?	Comments		Unschd Typ	NPT
Safety Checks									
Time		Type			Inspected By		Description		
Perforation Intervals									
Time	Zone			Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Gun Size (in)	Com	
Tubing Run									
Run Time 14:00	Tubing Description TUBING - PRODUCTION			Set Depth (ftKB) 7,758.0	Max Nominal OD (in) 2 7/8	Weight/Length (lb/ft) 6.50	String Grade L-80		



AMERICAN ENERGY
PARTNERS

AMERICAN ENERGY - PERMIAN BASIN, LLC
Daily Completion Report

UNIVERSITY 09 0804H
AEPB WELL NO. 22

Report Date 5/9/2015
AFE # DV02062
Total AFE 4,345,700

API 42383392030000	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 4/14/2015
AFE Number DV02062	Supplemental AFE Number	Daily Field Est (Cost) 14,800	Cum Field Est (Cost) 3,533,855	
Number of Stages (ft) 43	Lateral Length (ft) 7,022	Time Since LTI (days)	Time Since Reportable Incident (days)	

Daily Contacts

Contacts CONSLTNT, MIKE COOKE, CRSCNT
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Daily Operations

Operations Summary ROAD RIG & KILL TRK FROM COATES LEASE TO UL 09 0804H, SAFETY MEETING, MIRU RIG 480, ND ESP WH, NU BOP & HYDRILL, LIFT TBG , TBG PARTED.TOH W/ TBG, TBG PARTED 490' FROM SURFACE, TIH W/ 2 7/8" SPEAR, W O TBG FROM BIG LAKE YARD, TIH W/ 55 ADDITIONAL JTS 2 7/8" L-80 6.5# TBG & DIDN'T TAG FISH, W O MORE TBG. TIH W/ 50 JTS TBG FROM WATKINS LEASE, DID NOT TAG FISH. WO 100 JTS FROM WATKINS LEASE. TIH W/ 7 JTS NEW 2 7/8" TBG & TAG FISH AT 4120', BOTTAM FISH AT 10,620'. SPEAR INTTO FISH, TOH W/ 65 STANDS TBG, SHUTIN, SDFD. NO ACCIDENTS OR SPILLS REPORTED FOR DAY.
Planned Operations FINISH TOH W/ FISH & ESP.

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	09:00	1.50	4.00	RIG MOVE	No	ROAD RIG 480 & KILL TRK FROM COATES LEASE TTO UL 09 0804H.		
09:00	09:30	0.50	4.50	SAFETY MEETING	No	SAFETY MEETING ON JSA- 15 MINUTES.		
09:30	10:00	0.50	5.00	RIG UP/DOWN	No	MIRU BASE BEAM, RIG 480 & KILL TRK.		
10:00	11:00	1.00	6.00	INSTALL BOP'S	No	RD FLOW LINES, ND ESP WH, NU BOP & HYDRILL.		
11:00	11:15	0.25	6.25	TRIPPING	No	PU ON TBG (TBG WT ONLY 6 PTS), TOH W/ 15 JTS 2 7/8" L-80 6.5# PROD TBG, TBG PARTED 490' FROM SURFACE.		
11:15	12:45	1.50	7.75	STANDBY	No	W O 55 JTS 2 7/8" TBG FROM B L YARD & FISH TOOLS FROM WELL FOAM.		
12:45	13:45	1.00	8.75	TRIPPING	No	PU WELL FOAM 2 7/8" TBG SPEAR, TIH W/ 70 JTS 2 7/8" ADDITIONAL TBG & DIDN'T TAG FISH.		
13:45	16:00	2.25	11.00	STANDBY	No	W O 50 JTS 2 7/8" TBG FROM WATKINS LEASE.		
16:00	17:30	1.50	12.50	TRIPPING	No	TIH W/ 50 JTS 2 7/8" NEW L-80 6.5# TBG, DIDN'T TAG FISH.		
17:30	19:30	2.00	14.50	STANDBY	No	W O 100 JTS 2 7/8" TBG FROM WATKINS LEASE.		
19:30	22:00	2.50	17.00	TRIPPING	No	TIH W/ 7 JTS 2 7/8" NEW TBG & TAG TOP OF FISH AT 4120', BOTTAM OF FISH AT 10,620'. SPEAR INTO FISH, PULL 10 PTS ON FISH & HELD. POOH W/ 65 STANDS 2 7/8" TBG STANDING BACK. LD SPEAR & CANNON CLAMP- FISH IN SLIPS., TOH W/ 1 JT & FLAT CABLE IN NEXT CLAMP,		
22:00	22:30	0.50	17.50	GENERAL OPERATIONS	No	SHUTIN WELL, SDFD. NO ACCIDENTS OR SPILLS REPORTED FOR DAY.		
22:30	05:00	6.50	24.00	INACTIVE	No	WELL SHUTIN.		

Safety Checks

Time	Type	Inspected By	Description
09:00	SAFETY MEETING	MIKE COOKE	JSA.

Workover Rig

Contractor NABORS	Rig Number 480	Rig Type
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Perforation Intervals

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

Tubing Run

Run Time 14:00	Tubing Description TUBING - PRODUCTION	Set Depth (ftKB) 7,788.3	Max Nominal OD (in) 2 7/8	Weight/Length (lb/ft) 6.50	String Grade L-80
Run Time 16:00	Tubing Description TUBING - PRODUCTION	Set Depth (ftKB) 7,051.2	Max Nominal OD (in) 4.56	Weight/Length (lb/ft) 6.50	String Grade L-80



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

UNIVERSITY 09 0804H
AEPB WELL NO. 22

Report Date 5/10/2015
AFE # DV02062
Total AFE 4,345,700

API 42383392030000	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 4/14/2015
AFE Number DV02062	Supplemental AFE Number	Daily Field Est (Cost) 20,600	Cum Field Est (Cost) 3,554,875	
Number of Stages (ft) 43	Lateral Length (ft) 7,022	Time Since LTI (days)	Time Since Reportable Incident (days)	

Daily Contacts

Contacts CONSLTNT, MIKE COOKE, CRSCNT; CONSLTNT, SHAWN LEWIS, CRSCNT

Daily Operations

Operations Summary OPEN BOPS START POOH WITH 2 7/8' 6.5 L-80 HAD TO WORK TBG TO GET CABLE TO SURFACE CABLE WAS BALLED UP IN WELL HEAD GOT IT OUT HAD 30' OF BAD CABLE DOWN TO FIRST CANNON CLAMP CUT OFF BAD CABLE AND CHECKED CABLE STILL SHOWING TO BE GROUNDED OUT CONTINUE POOH WITH TBG PULLED OUT 10 STANDS TBG HAD A BAD BEND IN IT MAKE CALL TO ENGINEER SAID TO LAYDOWN ALL TBG WHILE POOH FOUND 2-MORE JTS CROSS TREADED POOH WITH 168 JT OF 2 7/8'AND TOP OF PUMP WERE TBG SCREW IN TO TOP OF MOTOR SHEARED ALL BOLT ON TOP OF MOTOR WERE IT BOLTS TO MOTOR FINISH IN HOLE WITH TBG OUT OF DERRICK LAYING DOWN ON RACK A TOTAL OF 210 JTS OF PRODUCTION TBG AND LAY DOWN 93 JTS OF NEW TBG LEAVE 20 JTS IN FOR KILL STRING SECURE WELL SDFN
Planned Operations PICK UP 2 7/8' PH-6 WORK STRING AND OVER SHOT AND OIL JARS RIH TAG MOTOR POOH WITH FISH

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	INACTIVE	No	WAITING ON DAY LIGHT		
07:00	09:30	2.50	4.50	NOTE	No	WAITING ON CREW TO ARRIVE NABORS WORKED 15 HRS HAD TO HAVE 9-HRS OFF		
09:30	10:00	0.50	5.00	SAFETY MEETING	No	HAVE 5 MIN SAFTEY MEETING ON PULLING ESP AND CABLE		
10:00	10:30	0.50	5.50	KILL WELL	No	CHECK TBG AND CSG PSI 0 ON WELL		
10:30	16:30	6.00	11.50	PULL TUBING	No	OPEN BOPS START POOH WITH 2 7/8' 6.5 L-80 HAD TO WORK TBG TO GET CABLE TO SURFACE CABLE WAS BALLED UP IN WELL HEAD GOT IT FREE HAD 30' OF BAD CABLE DOWN TO FIRST CANNON CLAMP CUT OFF BAD CABLE AND CHECKED CABLE STILL SHOWING TO BE GROUNDED OUT CONTINUE POOH WITH TBG PULLED OUT 10 STANDS TBG HAD A BAD BEND IN IT MAKE CALL TO ENGINEER SAID TO LAYDOWN ALL TBG WHILE POOH FOUND 2-MORE JTS CROSS TREADED POOH WITH 168 JT OF 2 7/8'AND TOP OF PUMP WERE TBG SCREW IN TO TOP OF MOTOR SHEARED ALL BOLT ON TOP OF MOTOR LEFT IN HOLE		
16:30	17:30	1.00	12.50	RUN TUBING	No	RIH IN HOLE WITH 43 JTS OF OLD PRODUCTION TBG AND RIH WITH NEW 2 7/8' 6.5 L-80 TBG 93 JTS		
17:30	20:30	3.00	15.50	PULL TUBING	No	POOH WITH 43 JTS OF THE PRODUCTION TBG AND 93 JT OF NEW 2 7/8' 6.5 L80 TBG LAYING DOWN ON RACKS LAYED DOWN TOTAL OF 210 JTS OF PRODUCTION TBG AND 93 JTS OF NEW TBG . NO ACCIDENTS OR SPILLS REPORTED FOR DAY.		
20:30	05:00	8.50	24.00	INACTIVE	No	WELL SHUT IN WAITING ON DAYLIGHT		

Safety Checks

Time	Type	Inspected By	Description
09:30	SAFETY MEETING	SHAWN LEWIS	PRE JOB SAFTEY MEETING

Workover Rig

Contractor NABORS	Rig Number 480	Rig Type
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Perforation Intervals

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

Tubing Run

Run Time 14:00	Tubing Description TUBING - PRODUCTION	Set Depth (ftKB) 7,788.3	Max Nominal OD (in) 2 7/8	Weight/Length (lb/ft) 6.50	String Grade L-80
Run Time 16:00	Tubing Description TUBING - PRODUCTION	Set Depth (ftKB) 7,051.2	Max Nominal OD (in) 4.56	Weight/Length (lb/ft) 6.50	String Grade L-80

UNIVERSITY 09 0804H

AEPB WELL NO. 22

API 42383392030000	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 4/14/2015					
AFE Number DV02062		Supplemental AFE Number		Daily Field Est (Cost) 20,800		Cum Field Est (Cost) 3,595,808							
Number of Stages (ft) 43		Lateral Length (ft) 7,022		Time Since LTI (days)		Time Since Reportable Incident (days)							
Daily Contacts													
Contacts CONSLTNT, MIKE COOKE, CRSCNT; CONSLTNT, SHAWN LEWIS, CRSCNT													
Daily Operations													
Operations Summary NABORS RIG 480 CREW TO LOCATION, SAFETY MEETING ON JSA. CHECK SITP & SICP, BLOW DOWN CSG TO TANK. RDMO NABORS 400 RIG. REPAIR CELLAR. MIRU AAA 600 RIG. TIH W/ 2 7/8" 7.9# PH-6 TBG,TAG FISH WITH 340 JTS @ 10,565' COULDN'T GO DOWN DECIDED TO POOH WITH 340 JTS AND BHA GOT OUT OF HOLE WITH OVERSHOT NOTHING IN OVER SHOT BUT 2- STAINLESS STEEL BANDS LAYED DOWN BUMPER JARS AND OIL JARS CALLED ENGINEER DECIDED TO RUN A 4 1/2 MAGNET RIH WITH 341 JTS TAG UP @ 10,563 SET DOWN TWICE POOH WITH 2 7/8' PH-6 AND MAGNET AT REPORT TIME 05:00 HRS													
Planned Operations CONTINUE POOH WITH 2 7/8' PH-6 WORK STRING CHECK TO SEE WHAT WE GET BACK THEN DECIDE WHAT TO RUN NEXT													
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 RIG 480 CREW TO LOCATION. SAFETY MEETING ON JSA & WEATHJER- 15 MINUTES.							
08:00	08:30	0.50	3.50	RECORD PRESSURES	No	CHECK SITP- 0 PSI & SICP-25 PSI. BLOW DOWN CSG PRESSURE TO TANK.							
08:30	09:00	0.50	4.00	RIG UP/DOWN	No	RDMO NABORS 400 SERIES RIG 480 TO REPAIR FOUNDATION AROUND CELLAR (WASHED OUT FROM RAIN).							
09:00	12:30	3.50	7.50	GENERAL OPERATIONS	No	BRING IN NEW CALIECHE TO REPAIR WASH OUT DAMAGE AROUND CELLAR.							
12:30	13:15	0.75	8.25	RIG UP/DOWN	No	MIRU AAA 600 SERIES RIG 120. SAFETY MEETING ON JSA.							
13:15	16:00	2.75	11.00	RUN TUBING	No	PU & TIH W/ 2 7/8" 7.9# PH-6 TUBING FROM 8600' TO 10,565' & TAG UP ON JT 340 , WORK TBG & CAN NOT GO DOWN. DECIDE TO POOH.							
16:00	22:30	6.50	17.50	PULL TUBING	No	POOH W/ 2 7/8" PH-6 340 JTS OF TBG AND 3 3/4 O.D BUMPER SUB AND 3 3/4 O.D. OIL JAR AND 4 11/16 OVER SHOT NO FISH HAD 2- STAINLESS STEEL BANDS IN OVERSHOT NO NICKS OR MARKS ON OVERSHOT TALKED TO ENGINEER GOING TO RUN MAGNET LAYED DOWN BUPMER JARS AND OIL JARS							
22:30	23:30	1.00	18.50	INACTIVE	No	CALL AND ORDERED A 4 1/2' MAGNET WAITING TO ARRIVE							
23:30	04:15	4.75	23.25	RUN TUBING	No	PICK UP 4 1/2' MAGNET RIH WITH 2 7/8' PH6 RAN 30 STANDS HAD TO SHUT DOWN FOR LIGHTING AND HIGH WINDS SECURE WELL TILL WEATHER CLEARS WEATHER HAS CLEARED CONTINUE RIH 2 7/8' PH-6 AND 4 1/2 MAGNET TAG @ 10,563 ON JT 341 WITH 16' OUT ON JT 341							
04:15	05:00	0.75	24.00	PULL TUBING	No	POOH WITH 2 7/8 PH-6 AND 4 1/2 MAGNET AT REPOERT TIME							
Safety Checks													
Time		Type			Inspected By		Description						
07:45		SAFETY MEETING			MIKE COOKE		JSA & WEATHER						
19:00		SAFETY MEETING			SHAWN LEWIS		PRE- JOB SAFTEY MEETING						
Workover Rig													
Contractor AAA					Rig Number 120			Rig Type					
Contractor					Rig Number			Rig Type					
Perforation Intervals													
Time	Zone			Top (ftKB)		Btm (ftKB)		Shot Dens (shots/ft)		Gun Size (in)		Com	
Tubing Run													
Run Time 14:00	Tubing Description TUBING - PRODUCTION			Set Depth (ftKB) 7,788.3		Max Nominal OD (in) 2 7/8		Weight/Length (lb/ft) 6.50		String Grade L-80			
Run Time 16:00	Tubing Description TUBING - PRODUCTION			Set Depth (ftKB) 7,051.2		Max Nominal OD (in) 4.56		Weight/Length (lb/ft) 6.50		String Grade L-80			



AMERICAN ENERGY
PARTNERS

AMERICAN ENERGY - PERMIAN BASIN, LLC
Daily Completion Report

UNIVERSITY 09 0804H
AEPB WELL NO. 22

Report Date 5/13/2015
AFE # DV02062
Total AFE 4,345,700

API 42383392030000	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 4/14/2015
AFE Number DV02062	Supplemental AFE Number	Daily Field Est (Cost) 35,587	Cum Field Est (Cost) 3,631,505	
Number of Stages (ft) 43	Lateral Length (ft) 7,022	Time Since LTI (days)	Time Since Reportable Incident (days)	

Daily Contacts

Contacts CONSLTNT, MIKE COOKE, CRSCNT; CONSLTNT, SHAWN LEWIS, CRSCNT

Daily Operations

Operations Summary CONTINUE OUT OF HOLE WITH 2 7/8" PH-6 TBG AND 4 1/2" MAGNET . W O NEW FISH TOOLS FROM ODESSA. PU 4 3/4" 2 ROW DIAMOND & 1 ROW WIRE SHOE (4.03'), 4 3/4" X 3 1/2" TOP SUB (1.60'), 3 3/4" BUMP SUB (4.63'), 3 3/4" HYDRAULIC JARS (12.97') & 3 1/2" X 2 7/8" PH-6 X-OVER (1.10'). TIH W/ 2 7/8" 6.5# PH-6 TBG TO 7,374' WITH 237 JTS HIT A TIGHT SPOT@7,374'ON JT 237 WORKING PIPE WITH BUMPER JARS AND OIL JARS TRYING TO JAR FREE ACTS LIKE GOT TRASH BETWEEN THE SHOE AND CSG STRING WEIGHT 64,000' JAR ON AT 95,000' JAR UP AND DOWN TRYING TO GET FREE NO LUCK JARRING FREE RIG UP 2.5 POWER SWIVEL PUT SOME TORQUE IN TBG TRIED WORKING UP AND DOWN TRYING TO GET FREE NO LUCK RIG DOWN POWER SWIVEL R/U DIALOG WIRE LINE RIH CUT TBG @ 7,310 1 1/2 JTS ABOVE BHA RDMO DIALOG WIRE LINE POOH WITH 2 7/8" PH-6 TBG
Planned Operations FINISH OUT OF HOLE WITH 2 7/8" PH-6 PICK UP NEW BHA AS FOLLOWING 4 11/16 OVER SHOT WITH 2 7/8" GRAPPLE 3 3/4" BUMPER JAR 3 3/4" OIL JAR 6-3 1/2" DRILL COLLARS 3 3/4" ACCL 2 7/8"PH-6 BOX X 2 3/8 IF PIN RIH TAG FISH @ 7,310' JAR LOOSE POOH PICK UP SHOE TRIP BACK IN HOLE BURN OVER MOTOR POOH WITH MOTOR

Time Log

Start Time	End Time	Dur (hr)	Cum Dur (hr)	Activity	Inactive?	Comments	Unschd Typ	NPT
05:00	10:00	5.00	5.00	PULL TUBING	No	LAYDOWN JT 341. POOH WITH 2 7/8" PH-6 TBG AND MAGNET. MAGNET OUT HOLE W/ ONLY 1 CANNON CLAMP PINN & METAL SHAVINGS IN MAGNET.		
10:00	15:30	5.50	10.50	STANDBY	No	WAITING ON NEW FISHING TOOLS FROM ODESSA.		
15:30	21:30	6.00	16.50	TRIPPING	No	PU 4 3/4" 2 ROW DIAMOND & 1 ROW WIRE SHOE (4.03'), 4 3/4" X 3 1/2" TOP SUB (1.60'), 3 3/4" BUMP SUB (4.63'), 3 3/4" HYDRAULIC JARS (12.97') & 3 1/2" X 2 7/8" PH-6 X-OVER (1.10'). TIH W/ 2 7/8" 6.5# PH-6 TBG RIH TO 7,374' WITH 237 JTS HIT A TIGHT SPOT@7,374'ON JT 237 WORKING PIPE WITH BUMPER JARS AND OIL JARS TRYING TO JAR FREE ACTS LIKE GOT TRASH BETWEEN THE SHOE AND CSG STRING WEIGHT 64,000' JAR ON AT 95,000' JAR UP AND DOWN TRYING TO GET FREE NO LUCK JARRING FREE		
21:30	22:30	1.00	17.50	RIG UP/DOWN	No	RIG UP POWER SWIVEL PUT SOME TORQUE IN TBG AND TRY TO JAR FREE WITH SWIVEL NO LUCK RIG DOWN SWIVEL PUT IN 6' PUP JT SET IN SLIPS WAIT ON DIALOG WIRE LINE		
22:30	01:45	3.25	20.75	STANDBY	No	WIATING ON DIALOG WIRELINE TRUCK ARRIVED @ 01:45 AM		
01:45	04:45	3.00	23.75	WIRELINE	No	RIG UP DIALOG WIRE LINE RIH WITH JET CUTTER CUT TBG 1-1/2 JT ABOVE BHA PUT TOP OF TBG @ 7,310' POOH WITH WIRE LINE TOOLS RDMO		
04:45	05:00	0.25	24.00	PULL TUBING	No	POOH 2 7/8" PH-6 7.90 # TBG @ REPORT TIME 05:00 HRS		

Safety Checks

Time	Type	Inspected By	Description
07:30	SAFETY MEETING	MIKE COOKE	JSA- 15 MINUTES
17:30	SAFETY MEETING	SHAWN LEWIS	PRE- JOB SAFTEY MEETING

Workover Rig

Contractor AAA	Rig Number 120	Rig Type
Contractor	Rig Number	Rig Type

Perforation Intervals

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

Tubing Run

Run Time 14:00	Tubing Description TUBING - PRODUCTION	Set Depth (ftKB) 7,788.3	Max Nominal OD (in) 2 7/8	Weight/Length (lb/ft) 6.50	String Grade L-80
Run Time 16:00	Tubing Description TUBING - PRODUCTION	Set Depth (ftKB) 7,051.2	Max Nominal OD (in) 4.56	Weight/Length (lb/ft) 6.50	String Grade L-80



AMERICAN ENERGY
PARTNERS

AMERICAN ENERGY - PERMIAN BASIN, LLC
Daily Completion Report

UNIVERSITY 09 0804H
AEPB WELL NO. 22

Report Date 5/14/2015
AFE # DV02062
Total AFE 4,345,700

API 42383392030000	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 4/14/2015
AFE Number DV02062	Supplemental AFE Number	Daily Field Est (Cost) 36,717	Cum Field Est (Cost) 3,668,222	
Number of Stages (ft) 43	Lateral Length (ft) 7,022	Time Since LTI (days)	Time Since Reportable Incident (days)	

Daily Contacts

Contacts CONSLTNT, MIKE COOKE, CRSCNT; CONSLTNT, SHAWN LEWIS, CRSCNT

Daily Operations

Operations Summary CONTINUE POOH WITH 2 7/8' WORK STRING 235JTS PLUS 15' CUT OFF.TIH 4-11/16' OVERSHOT 2-7/8' GRAPPLE & CONTROL, 3.750' BUMPER SUB, 3.750' OIL JARS, 6EA 3.5' COLLARS, ACCELERATOR 3.750' & 3.625' XOVER. TOP OF FISH @ 7310'. ENGAGED FISH @ 7310' JARED ON FISH FOR ABOUT 1 HOUR FISH CAME LOOSE. TOO H 237JTS, LAID TOOLS & FISH DOWN. TIH 4.5' SHOE WITH DIAMONDS CUT IN SHOE , 305' TOP SUB, 3.75' BUMPERSUB, 3.75' JARS & 3.625' XOVER. .RIH W/340 JTS TAG FISH@10,560' RIGGED UP POWER SWIVEL WASHED DOWN TO 10,565' STRING WEIGHT WAS 65,000 PULLED OFF BOTTOM AT 75,000 POOH WITH 340 JTS AND BHA NO FISH COULD SEE THAT WE WASHED DOWN OVER ESP GOING TO PICK UP OVER SHOT RUN BACK IN HOLE
Planned Operations PICK UP 4 11/16 SHORT CATCH OVER SHOT WITH 4' GRAPPLE 3 3/4 BUMPER JAR 3 3/4 OIL JAR RIH WITH 340 JT OF 2 7/8' PH-6 TBG LATCH UP FISH TOO H WITH FISH LAYING DOWN ESP

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	PULL TUBING	No	CONTINUE POOH WITH 2 7/8' PH-6 TBG 235JTS PLUS 15' CUT OFF.		
07:00	15:00	8.00	10.00	RUN TUBING	No	TIH 4.688' OVERSHOT 2-7/8' GRAPPLE & CONTROL, 3.750' BUMPERSUB, 3.50' JARS, 6-DRILL COLLARS 3.50' JARS, 3.75' ACCELERATOR & 3.625' XOVER. FISH @ 7310'. ENGAGED FISH @ 7310' JARRED FOR ABOUT 1 HOUR FISH CAME LOOSE. TOO H W/ 237JTS , TOOLS & FISH.LAY DOWN BHA		
15:00	20:45	5.75	15.75	RUN TUBING	No	TIH 4.5' SHOE WITH DIAMONDS, 3.5' TOP SUB, 3.75' BUMPER SUB, 3.75 JARS & 3.625' XOVER. TAG FISH @ 10,560' WITH 340 JTS		
20:45	22:45	2.00	17.75	RIG UP/DOWN	No	RIG UP POWER SWIVEL WASHING OVER FISH @ 10,560' W/340 JTS WASHED DOWN TO 10,565 STRING WEIGHT WAS 62,000 PICKED UP NOW WEIGHT IS 75,000 PULLING OFF BOTTOM RIG DOWN 2.5 POWER SWIVEL		
22:45	04:15	5.50	23.25	PULL TUBING	No	POOH WITH 2 7/8' PH-6 W/ 340 JTS AND BHA NO FISH COULD SEE IN SHOE THAT WE HAD WASH DOWN OVER ESP		
04:15	05:00	0.75	24.00	RUN TUBING	No	PICKING UP SHORT CATCH OVER SHOT W/ 4' GRAPLLE AND 3 3/4 BUMPER JARS AND 3 3/4 OIL JARS RIH BACK IN HOLE @ REPORT TIME 05'00 HRS		

Safety Checks

Time	Type	Inspected By	Description
07:00	SAFETY MEETING	BRIAN BELL	PRE- JOB SAFTEY MEETING
18:00	SAFETY MEETING	SHAWN LEWIS	JSA & WEATHER

Workover Rig

Contractor AAA	Rig Number 120	Rig Type
Contractor	Rig Number	Rig Type

Plug Details

Description FISH	Top (ftKB) 7,310.0	Btm (ftKB) 7,374.0	OD (in) 4	ID (in)	Run Date 5/12/2015	Pull Date 5/13/2015	Comment 1 1/2 TBG. CROSSOVER SUB, JAR, BUMBER SUB, TOP SUB, SHOE
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Perforation Intervals

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

Tubing Run

Run Time 14:00	Tubing Description TUBING - PRODUCTION	Set Depth (ftKB) 7,788.3	Max Nominal OD (in) 2 7/8	Weight/Length (lb/ft) 6.50	String Grade L-80
Run Time 16:00	Tubing Description TUBING - PRODUCTION	Set Depth (ftKB) 7,051.2	Max Nominal OD (in) 4.56	Weight/Length (lb/ft) 6.50	String Grade L-80



AMERICAN ENERGY
PARTNERS

AMERICAN ENERGY - PERMIAN BASIN, LLC
Daily Completion Report

UNIVERSITY 09 0804H
AEPB WELL NO. 22

Report Date 5/15/2015
AFE # DV02062
Total AFE 4,345,700

API 42383392030000	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 4/14/2015
AFE Number DV02062	Supplemental AFE Number	Daily Field Est (Cost) 29,212	Cum Field Est (Cost)	3,705,909
Number of Stages (ft) 43	Lateral Length (ft) 7,022	Time Since LTI (days)	Time Since Reportable Incident (days)	

Daily Contacts

Contacts CONSLTNT, MIKE COOKE, CRSCNT; CONSLTNT, SHAWN LEWIS, CRSCNT

Daily Operations

Operations Summary PICK UP 4 11/16 SHORT CATCH OVER SHOT WITH 4' GRAPPLE 3 3/4 BUMPER JAR 3 3/4 OIL JAR RIH WITH 337 JT OF 2 7/8" PH-6 TBG TO 10,468' & TAG FISH. LATCH ON FISH W/ TBG DRAGGING 90,000 PTS. TBG TRAVELING. POOH W/ TBG & BHA, DID NOT RECOVER FISH. W O FISH TOOLS FROM ODESSA. PU & TIH W/ 340 JTS WIRE SPEAR TO 10,560". TOOHW/ TBG. HAD TO SHUT WELL IN FOR 2 HRS INACTIVE TIME DUR TO LIGHTING,HEAVEY RAIN,HIGH WINDS AND HAIL. ONCE STORM PAST WE CONTINUED TOOHW TUBING. TUBING AND BHA OUT OF HOLE AT REPORT TIME.
Planned Operations TIHW/ SHOE AND WASH OVER TOP OF ESP PUMP. TOOHW/ SHOE, TIHW/ OVERSHOT TO FISH ESP

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	INSTALL NEW DOWNHOLE ASSEMBLY	No	PICK UP 4 11/16 SHORT CATCH OVER SHOT WITH 4' GRAPPLE 3 3/4 BUMPER JAR 3 3/4 OIL JAR RIH WITH 340 JT OF 2 7/8" PH-6 TBG		
05:45	09:45	4.00	4.75	RUN TUBING	No	RIH W/ NEW BHA AND 2 7/8" PH-6 WORK STRING W/ 337 JTS TO 10,468' & TAG FISH (3 JTS HIGHER THAN LAST TRIP), LATCH ON TO FISH, PU TO 90,000 PTS & FISH STARTED TRAVELING.		
09:45	14:30	4.75	9.50	TRIPPING	No	POOH W/ 337 JTS TBG & FISH, STARTING AT 72,000 PTS TBG WT. FISH HUNG UP SEVERAL TIMES W/ TRIPPING AND CAME FREE. TBG & BHA OUT OF HOLE. NO FISH RECOVERED. (COPPER RESIDUE ON OD OF GRAPPLE OVERSHOT. DISCUSS W/ OKC & DECIDE TO TIH W/ WL SPEAR.		
14:30	16:30	2.00	11.50	STANDBY	No	W O FISH TOOLS FROM ODESSA. WELL FOAM WL SPEAR.		
16:30	19:30	3.00	14.50	TRIPPING	No	PU 4.5" OD WIRELINE GRAB SPEAR. 4.75" STOP SUB, 3.75" BUMPER SUB,3.75" JARS, 2 3/8 IF X 2 7/8" PH-6 ,XO SUB WELL FOAM WIRE SPEAR (BHA= 25.72') & TIH W/ 282 JTS 2 7/8" PH-6 TBG. RIG CREW SHIFT CHANGE		
19:30	21:30	2.00	16.50	TRIPPING	No	TIHW/ 54 JTS 2 7/8" PH-6 TUBING TO 10,450' JT# 336		
21:30	23:30	2.00	18.50	RIG UP/DOWN	No	PICKED UP POWER SWIVEL WITH JT # 337. TAGGED AT 10,475'.ROTATED WIRELINE GRAB SPEAR 6 TIMES AND FELL THRU SPOT. TIHW/ 2 7/8" PH-6 TUBING ROTATING TUBING SLOWLY. TAGGED AGAIN AT 10,520' ROTATED 3 TIMES AND FELL THRU TAGGED SOLID AT 10,560' JT# 340. ROTATED SPEAR FOR 15MINS. WORKED SPEAR UP AND DOWN TAGGING SAME 10,560'. bROKE SWIVEL DOWN TOOHW/ 3JTS AND TAGGED SPOT AT 10,475' WORKED TUBING THRU SPOT.		
23:30	00:30	1.00	19.50	TRIPPING	No	TOOHW/ 65 JTS 2 7/8" PH-6 TUBING.		
00:30	03:00	2.50	22.00	INACTIVE	No	SHUT WELL IN AND WAITED OUT STRONG STORMS WITH HEAVEY LIGHTING,HIGH WINDS,RAIN AND HAIL.		
03:00	05:00	2.00	24.00	TRIPPING	No	OPEN WELL. TOOHW/ 337 JTS 2 7/8" PH-6 TUBING.XO SUB, 3.75" JARS,3.75" BUMPER SUB,4.75 STOP SUB,4.5" WIRELINE GRAB SPEAR. NO RECOVERY WITH SPEAR.		

Safety Checks

Time	Type	Inspected By	Description
07:30	SAFETY MEETING	MIKE COOKE	JSA..
18:00	SAFETY MEETING	JOE WARNICK	JSA & WEATHER

Workover Rig

Contractor AAA	Rig Number 120	Rig Type
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Perforation Intervals

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

Tubing Run

Run Time 14:00	Tubing Description TUBING - PRODUCTION	Set Depth (ftKB) 7,788.3	Max Nominal OD (in) 2 7/8	Weight/Length (lb/ft) 6.50	String Grade L-80
Run Time 16:00	Tubing Description TUBING - PRODUCTION	Set Depth (ftKB) 7,051.2	Max Nominal OD (in) 4.56	Weight/Length (lb/ft) 6.50	String Grade L-80



AMERICAN ENERGY
PARTNERS

AMERICAN ENERGY - PERMIAN BASIN, LLC
Daily Completion Report

UNIVERSITY 09 0804H
AEPB WELL NO. 22

Report Date 5/16/2015
AFE # DV02062
Total AFE 4,345,700

API 42383392030000	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 4/14/2015
AFE Number DV02062	Supplemental AFE Number	Daily Field Est (Cost) 30,112	Cum Field Est (Cost) 3,736,021	
Number of Stages (ft) 43	Lateral Length (ft) 7,022	Time Since LTI (days)	Time Since Reportable Incident (days)	

Daily Contacts

Contacts CONSLTNT, MIKE COOKE, CRSCNT; W/O SUPVR, BRIAN BELL, CRSCNT

Daily Operations

Operations Summary PICKED UP 4.75" SHOE,TOP BUSHING,3.75" BUMPER SUB,3.75" JARS,XO SUB. WELL FOAM BHA= 22.39'. TIH W/ 339 JTS 2 7/8" PH-6 TBG & DID NOT TAG TIGHT SPOT AT 10,475'. RU SWIVEL & REVERSE PUMP, ROTATE TBG DOWN W/ PUMPING 1/2 BBL/MIN FLUID 26' TO TOP FISH AT 10,560'. DRESS TOP FISH AT 1/2 BBL/MIN FLUID AT 1500 TO 1800 PSI TORQUE. DRESS OFF 2.5' OFF TOP FISH, POOH W/ 5 JTS TBG & HANG UP, PULL 4 PTS OVER STRING WT & TBG FREE, ASSUME WE LOST FISH. DISCUSS W/ OKC & DECIDE TO FINISH TOH. FISH TOOLS OUT OF HOLE W/ NO FISH. CUTRITE ON DIAMOND SHOE WORNOUT ON OD & ID OF SHOE AND DIAMONDS WORN ALMOST FLUSH W/ ID OF SHOE. PU 4 11/16" SHORT CATCH OVER SHOT W/ 4" GRAPPLE, 3 3/4" BUMPER SUB, 3 3/4" HYDRALIC JARS, TIH SHORT CATCH, 4-11/16', BUMPER SUB 3-3/4', JARS 3-3/4', 2-7/8' PH6 B X 2-3/8' IF P 3-5/8' (TOTAL LENGHT OF BHA 44.10'). & 2 7/8" PH-6 TBG . FINISH TIH WITH SHORT CATCH & TAG @ 10,560'. PICK UP SWIVEL & WORK ON GETTING OVER FISH, GOT ON FISH & JARRED A COUPLE OF TIMES LAY SWIVEL DOWN. KEEP JARRING GOT IT MOVING & HUNG UP @ 10,480', JAR FOR A HOUR & GOT FISH MOVING & HUNG UP @ 10,465' JARRED FOR ANOTHER HOUR GOT FISH MOVING AGAIN HUNG UP @ 10,416' STILL JARRING.
Planned Operations CONTINUE JARRING & TOOH WITH 2-7/8' PH-6 TBNG , BHA & FISH.

Time Log

Start Time	End Time	Dur (hr)	Cum Dur (hr)	Activity	Inactive?	Comments	Unschd Typ	NPT
05:00	08:00	3.00	3.00	TRIPPING	No	PICKED UP 4.75 SHOE,TOP BUSHING,3.75" BUMPER SUB,3.75" JARS,XO SUB. WELL FOAM BHA=22.39. TIH W/ 339 JTS 2 7/8" PH-6, DID NOT TAG TIGHT SPOT AT 10,475'.		
08:00	08:30	0.50	3.50	GENERAL OPERATIONS	No	RU WELL FOAM SWIVEL & REVERSE PUMP.		
08:30	11:30	3.00	6.50	CLEAN OUT	No	PUMP 20 BBLS 2% KCL H2O DOWN TBG & ROTATE TBG DOWN AT 1/2 BBL/MIN FLUID 26' & TAG TOP FISH AT 10,560'. START DRESSING OFF TOP OF FISH AT 1500 TO 1800 TORQUE ON SWIVEL. DRESS OFF 2.5' & TORQUE AT 2000 PSI. LIFT TBG 15' AND TRY TO GO BACK DOWN, TAKING WT. DISCUSS W/ OKC & DECIDE TO POOH W/ TBG & BHA. PUMP 50 BBLS 2% KCL H2O DOWN TBG & 50 BBLS KCL H2O DOWN CSG. LD SWIVEL.		
11:30	16:30	5.00	11.50	TRIPPING	No	LD 1 JT 2 7/8" PH-6 TBG, START POOH W/ TBG, PULL 1 1/2 STDS TBG & 15' OF SECOND STD & HUNG UP, PULL 4 PTS OVER TBG WT (74 PTS) AFTER PULLED FREE TBG WT (70 PTS). ASSUMED FISH PULLED FREE. DISCUSS W/ OKC & DECIDE TO FINISH TOH W/ TBG & BHA. FINSH TOH W/ 337 JTS 2 7/8" PH-6 TBG & BHA. FISH TOOL OUT HOLE W/ NO FISH. DIAMOND SHOE WORN BAD W/ NO CUTRITE ON OD OR ID OF SHOE, DIAMONDS WORN ALMOST FLUSH W/ ID OF SHOE.		
16:30	20:30	4.00	15.50	TRIPPING	No	PU 4 11/16" SHORT CATCH OVER SHOT W/ 4" GRAPPLE, 3 3/4" BUMPER SUB, 3 3/4" HYDRALIC JARS, TIH W/ BHA SHORT CATCH 4-11/16', BUMPER SUB 3-3/4' , JARS 3-3/4', 2-7/8 PH-6 B X 2-3/8' IF P 3-5/8'. (BHA = 44.10") & 2 7/8" PH-6 TBG.		
20:30	05:00	8.50	24.00	GENERAL OPERATIONS	No	TAG FISH @ 10,560'. PICK UP SWIVEL & WORK ON GETTING OVER FISH, GOT ON FISH & JARRED A COUPLE OF TIMES LAY SWIVEL DOWN. KEEP JARRING GOT FISH TO MOVING HUNG UP @ 10,480', JARRED FOR ONE HOUR & GOT FISH MOVING & HUNG UP AT 10,465' JARRED FOR ANOTHER HOUR GOT FISH MOVING AGAIN HUNG UP @ 10,415' STILL JARRING.		

Safety Checks

Time	Type	Inspected By	Description
07:30	SAFETY MEETING	MIKE COOKE	JSA
17:00	SAFETY MEETING	BRIAN BELL	JSA

Workover Rig

Contractor AAA	Rig Number 120	Rig Type
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Perforation Intervals

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

Tubing Run

Run Time 14:00	Tubing Description TUBING - PRODUCTION	Set Depth (ftKB) 7,788.3	Max Nominal OD (in) 2 7/8	Weight/Length (lb/ft) 6.50	String Grade L-80
Run Time 16:00	Tubing Description TUBING - PRODUCTION	Set Depth (ftKB) 7,051.2	Max Nominal OD (in) 4.56	Weight/Length (lb/ft) 6.50	String Grade L-80



AMERICAN ENERGY
PARTNERS

AMERICAN ENERGY - PERMIAN BASIN, LLC
Daily Completion Report

UNIVERSITY 09 0804H
AEPB WELL NO. 22

Report Date 5/18/2015
AFE # DV02062
Total AFE 4,345,700

API 42383392030000	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 4/14/2015
AFE Number DV02062	Supplemental AFE Number	Daily Field Est (Cost) 27,712	Cum Field Est (Cost)	3,791,620
Number of Stages (ft) 43	Lateral Length (ft) 7,022	Time Since LTI (days)	Time Since Reportable Incident (days)	

Daily Contacts

Contacts CONSLTNT, MIKE COOKE, CRSCNT; W/O SUPVR, BRIAN BELL, CRSCNT

Daily Operations

Operations Summary WORKING W/ STUCK ESP, CREW CHANGE, SAFETY MEETING ON JSA & WORKING STUCK TBG, TBG FREE, TOH W/ TBG & BHA. BHA OUT OF HOLE, GRAPPLE GONE FROM OVER SHOT. WO NEW BHA FROM ODESSA. UNLOAD, TALLY & CALIPER NEW TOOLS. TIH W/ NEW BHA = SHORT CATCH 4 3/4" X 2.35', BUMPER SUB 3-3/4" X 4.62', JARS 3 11/16" X 12.98', 2-7/8 PH-6 B X 2-3/8" IF P 3-5/8', 11 JTS 2 7/8" PH-6 TBG, 3 3/4" X 11.65' ACCELERATOR, 2 7/8" PH-6 B X 2 3/8" IF P .89' (BHA = 57.86') & 2 7/8" PH-6 TBG. LATCHED ON FISH @ 10,088', STARTED JARRING , MOVED FROM 10,088' TO 9929'. SOMETHING GAVE , TOOHO TO SEE WHAT WE HAVE.
Planned Operations CONTINUE JARRING & TOOHO WITH 2-7/8" PH-6 TBNG , BHA & FISH.

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	GENERAL OPERATIONS	No	CONTINUE JARRING & WORKING STUCK ESP,		
07:30	07:45	0.25	2.75	SAFETY MEETING	No	AAA RIG CREW CHANGE, SAFETY MEETING ON JSA - 15 MINUTES		
07:45	08:30	0.75	3.50	GENERAL OPERATIONS	No	CONTINUE JARRING & WORKING STUCK ESP,TBG TRAVELING 40' TO 60' JARRING. TBG FREE AT 10,088' (ASSUME GRAPPLE BROKE IN OVER SHOT), DISCUSS W/ JOE W & DECIDE TO TOH W/ TBG & BHA.		
08:30	11:30	3.00	6.50	TRIPPING	No	TOH W/ TBG & BHA. GRAPPLE GONE FROM OVER SHOT.		
11:30	12:30	1.00	7.50	STANDBY	No	W O NEW FISH TOOLS FROM WELL FOAM IN ODESSA.		
12:30	13:00	0.50	8.00	GENERAL OPERATIONS	No	UNLOAD, TALLY & CALIPER NEW FISH TOOLS.		
13:00	18:00	5.00	13.00	TRIPPING	No	TIH W/ NEW BHA = SHORT CATCH 4 3/4', BUMPER SUB 3-3/4" , JARS 3-3/4', 2-7/8 PH-6 B X 2-3/8" IF P 3-5/8', 11 JTS 2 7/8" PH-6 TBG, 2 3/8" IF B X 2 7/8" PH-6 P, 3 3/4" ACCELERATOR, 2 7/8" PH-6 B X 2 3/8" IF P. (BHA = 57.86') & 2 7/8" PH-6 TBG. LATCHED ON FISH @ 10,116', STARTED JARRING.		
18:00	18:15	0.25	13.25	SAFETY MEETING	No	SAFETY MEETING		
18:15	02:00	7.75	21.00	GENERAL OPERATIONS	No	JARRED FROM 10,088' TO 9929' (JT # 319) MOVED UP THE HOLE 159' SOMETHING GAVE.		
02:00	05:00	3.00	24.00	PULL TUBING	No	TOOH TO SEE WHAT WE HAVE.		

Safety Checks

Time	Type	Inspected By	Description
07:30	SAFETY MEETING	MIKE COOKE	JSA
18:00	SAFETY MEETING	BRIAN BELL	JSA

Workover Rig

Contractor AAA	Rig Number 120	Rig Type
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Perforation Intervals

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

Tubing Run

Run Time 14:00	Tubing Description TUBING - PRODUCTION	Set Depth (ftKB) 7,788.3	Max Nominal OD (in) 2 7/8	Weight/Length (lb/ft) 6.50	String Grade L-80
Run Time 16:00	Tubing Description TUBING - PRODUCTION	Set Depth (ftKB) 7,051.2	Max Nominal OD (in) 4.56	Weight/Length (lb/ft) 6.50	String Grade L-80



AMERICAN ENERGY
PARTNERS

AMERICAN ENERGY - PERMIAN BASIN, LLC
Daily Completion Report

UNIVERSITY 09 0804H
AEPB WELL NO. 22

Report Date 5/19/2015
AFE # DV02062
Total AFE 4,345,700

API 42383392030000	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 4/14/2015
AFE Number DV02062	Supplemental AFE Number	Daily Field Est (Cost) 37,762	Cum Field Est (Cost) 3,829,540	
Number of Stages (ft) 43	Lateral Length (ft) 7,022	Time Since LTI (days)	Time Since Reportable Incident (days)	

Daily Contacts

Contacts CONSLTNT, MIKE COOKE, CRSCNT; W/O SUPVR, BRIAN BELL, CRSCNT

Daily Operations

Operations Summary NO EHS ISSUES; 3HRS NPT; FINISH TOH WITH 2-7/8" PH-6 TBNG, BHA & LD FISH (TOP PUMP = 10.6'). W O ON NEW FISH TOOLS FROM ODESSA. TIH W/ NEW BHA = DIAMONG SHOE 4 11/16", TOP BUSHING 3.5" X 1.5", BUMPER SUB 3-3/4 ', JARS 3-3/4', 2-7/8 PH-6 B X 2-3/8" IF P 3-5/8", 11 JTS 2 7/8" PH-6 TBG, 2 3/8" IF B X 2 7/8" PH-6 P, 3 3/4" ACCELERATOR, 2 7/8" PH-6 B X 2 3/8" IF P. (BHA = 59.09') & 2 7/8" PH-6 TBG. MIRU FLOW BACK TANK, N2 UNIT & FOAM AIR UNIT. BREAK CIR W/ N2 AT 7500' .BREAK CIRCULATION W/ FOAM AIR AT 850 SCF/MIN N2, 3/4 BBL/MIN 2% KCL H2O AT 1100 PSI. CIRCULATE HOLE CLEAN AT 7500'. H2S = 0, CO2=0, LEL 27%.FINISH TIH W/ TBG, TAG UP ON FISH @ 9932',.WO N2 HIGH PRESSURE HOSE, SD FOR EXTREME WEATHER/LIGHTNING,RU HIGH PSI HOSE TO SWIVEL,BREAK CIRCULATION W/ FOAM AIR AT REPORT TIME
Planned Operations CONTINUE JARRING & TOO H WITH 2-7/8' PH-6 TBNG , BHA & FISH.

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	TRIPPING	No	FINISH TOH W/ 2 7/8" PH-6 TBG, BHA & LD FISH (TOP PUMP = 10.6').		
06:00	07:45	1.75	2.75	INACTIVE	Yes	W O NEW FISH TOOLS FROM WELL FOAM IN ODESSA.		
07:45	10:45	3.00	5.75	TRIPPING	No	TIH W/ NEW BHA = DIAMOND SHOE 4 11/16", TOP BUSHING = 4.68", BUMPER SUB 3-3/4 ', JARS 3-3/4', 2-7/8 PH-6 B X 2-3/8" IF P 3-5/8", 11 JTS 2 7/8" PH-6 TBG, 2 3/8" IF B X 2 7/8" PH-6 P, 3 3/4" ACCELERATOR, 2 7/8" PH-6 B X 2 3/8" IF P. (BHA = 59.09') & 2 7/8" PH-6 TBG. INSTALL 2 7/8" CHECK VALVE.		
10:45	15:00	4.25	10.00	RIG UP/DOWN	No	MIRU FLOW BACK TANK, N2 & FOAM AIR UNITS. SECURE FLOW BACK LINES W/ WEIR RESTRAINTS. SAFETY MEETING.		
15:00	17:00	2.00	12.00	GENERAL OPERATIONS	No	BREAK CIRCULATION W/ FOAM AIR AT 850 SCF/MIN N2, 3/4 BBL/MIN 2% KCL H2O AT 1100 PSI. CIRCULATE HOLE CLEAN AT 7500'. H2S = 0, CO2=0, LEL 27%.		
17:00	18:00	1.00	13.00	GENERAL OPERATIONS	No	FINISH TIH W/ TBG, TAG UP ON FISH @ 9932',.		
18:00	00:00	6.00	19.00	GENERAL OPERATIONS	No	WO N2 HIGH PRESSURE HOSE		
00:00	03:00	3.00	22.00	STANDBY	No	SD FOR EXTREME WEATHER / LIGHTNING		Yes
03:00	05:00	2.00	24.00	GENERAL OPERATIONS	No	RU HIGH PSI HOSE TO SWIVEL,BREAK CIRCULATION W/ FOAM AIR AT REPORT TIME		

NPT

Type	SubTyp	Des	Start Date	End Date	Failed Item	Accountable Party	Dur (hr)
OTHER	WEATHER	WAITING ON EXTREME WEATHER	5/19/2015 00:00	5/19/2015 03:00		AMERICAN ENERGY PERMIAN BASIN	3.00

Safety Checks

Time	Type	Inspected By	Description
07:15	SAFETY MEETING	MIKE COOKE	JSA.
18:00	SAFETY MEETING	TIM DENNING	JSA

Workover Rig

Contractor AAA	Rig Number 110	Rig Type
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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
14:00	TUBING - PRODUCTION	7,788.3	2 7/8	6.50	L-80
16:00	TUBING - PRODUCTION	7,051.2	4.56	6.50	L-80



AMERICAN ENERGY
PARTNERS

AMERICAN ENERGY - PERMIAN BASIN, LLC
Daily Completion Report

UNIVERSITY 09 0804H
AEPB WELL NO. 22

Report Date 5/20/2015
AFE # DV02062
Total AFE 4,345,700

API 42383392030000	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 4/14/2015
AFE Number DV02062	Supplemental AFE Number	Daily Field Est (Cost) 37,962	Cum Field Est (Cost)	3,867,502
Number of Stages (ft) 43	Lateral Length (ft) 7,022	Time Since LTI (days)	Time Since Reportable Incident (days)	

Daily Contacts

Contacts
CONSLTNT, MIKE COOKE, CRSCNT; COMP SUP, TIM DENNING, CRSCNT

Daily Operations

Operations Summary
PUMP N2 TO BREAK CIRCULATION, CREW CHANGE, SAFETY MEET, PUMPING N2, RD N2 PUMP & SWIVEL, TOH W/ TBG TO 7500', RU SWIVEL & N2. PUMPING N2. UNLOAD WELL AT 7500'. TIH W/ TBG TO TOP OF FISH. RU N2 & UNLOAD WELL . DRESS OF TOP OF FISH. CIRCULATE HOLE. TOH W/ TBG & BHA.TIH W/ NEW BHA = SHORT CATCH 4 3/4', BUMPER SUB 3-3/4 ', JARS 3-3/4', 2-7/8 PH-6 B X 2-3/8" IF P 3-5/8', 11 JTS 2 7/8" PH-6 TBG, 2 3/8" IF B X 2 7/8" PH-6 P, 3 3/4" ACCELERATOR, 2 7/8" PH-6 B X 2 3/8" IF P. (BHA = 57.86') & 2 7/8" PH-6 TBG. LATCHED ON FISH @ 9,932', STARTED JARRING.CONTINUE JARRING @ REPORT TIME, MOVED FROM 9,932' TO 9,872'

Planned Operations
CONTINUE JARRING & TOOH WITH 2-7/8' PH-6 TBNG , BHA & FISH.

Time Log

Start Time	End Time	Dur (hr)	Cum Dur (hr)	Activity	Inactive?	Comments	Unschd Typ	NPT
05:00	08:00	3.00	3.00	CLEAN OUT HOLE	No	CREW CHANGE, SAFETY MEETING ON JSA, CONTINUE PUMPING N2 AT 850 SCF/MINUTE, 2% KCL H2O AT 3/4 BBL/MINUTE AT 1300 PSI TOTAL 3 3/4 HRS W/ NO RETURNS. DISCUSS W/ OKC & DECIDE TO TOH TO 7500'.		
08:00	08:30	0.50	3.50	RIG UP/DOWN	No	PUMP 10 BBLS KCL H2O TO KILL TBG, RD N2 UNIT & SWIVEL.		
08:30	09:30	1.00	4.50	TRIPPING	No	TOH W/ 2 7/8" PH-6 TBG TO 7500'.		
09:30	11:00	1.50	6.00	CLEAN OUT HOLE	No	RU N2 & AIR UNIT, PUMP N2 AT 1250 SCF/MIN, 1 BBL/MINUTE FLUID AT 1500 PSI.		
11:00	12:00	1.00	7.00	TRIPPING	No	TIH W/ TBG TO 9932'		
12:00	13:00	1.00	8.00	GENERAL OPERATIONS	No	RU WELL FOAM SWIVEL & N2 & FOAM UNITS. START N2 AT 1250 SCF/MINUTE, 1 BBL/MINUTE OF FLUID & 1500 TBG PSI. BLOW WELL DRY.		
13:00	16:00	3.00	11.00	GENERAL OPERATIONS	No	PUMP 2% KCL H2O FOAM & N2 DOWN TBG & ROTATE TBG DOWN & TAG TOP FISH AT 9932'. START DRESSING OFF TOP OF FISH AT 1500 TO 1800 TORQUE ON SWIVEL. DRESS OFF 2.5' & TORQUE AT 2000 PSI. CIRCULATE WELL W/ N2 & FOAM AIR. PUMP 10 BBLS 2% KCL DOWN TBG TO CONTROL TBG. RD N2 UNIT, LD SWIVEL.		
16:00	21:45	5.75	16.75	TRIPPING	No	TOH W/ 2 7/8" PH-6 TBG & BHA.		
21:45	02:00	4.25	21.00	TRIPPING	No	TIH W/ NEW BHA = SHORT CATCH 4 3/4', BUMPER SUB 3-3/4 ', JARS 3-3/4', 2-7/8 PH-6 B X 2-3/8" IF P 3-5/8', 11 JTS 2 7/8" PH-6 TBG, 2 3/8" IF B X 2 7/8" PH-6 P, 3 3/4" ACCELERATOR, 2 7/8" PH-6 B X 2 3/8" IF P. (BHA = 57.86') & 2 7/8" PH-6 TBG. LATCHED ON FISH @ 9,932', STARTED JARRING.		
02:00	05:00	3.00	24.00	GENERAL OPERATIONS	No	CONTINUE JARRING @ REPORT TIME, MOVED FROM 9,932' TO 9,872'		

Safety Checks

Time	Type	Inspected By	Description
07:00	SAFETY MEETING	MIKE COOKE	JSA & WEATHER
18:00	SAFETY MEETING	TIM DENNING	JSA

Workover Rig

Contractor AAA	Rig Number 110	Rig Type
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Perforation Intervals

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

Tubing Run

Run Time 14:00	Tubing Description TUBING - PRODUCTION	Set Depth (ftKB) 7,788.3	Max Nominal OD (in) 2 7/8	Weight/Length (lb/ft) 6.50	String Grade L-80
Run Time 16:00	Tubing Description TUBING - PRODUCTION	Set Depth (ftKB) 7,051.2	Max Nominal OD (in) 4.56	Weight/Length (lb/ft) 6.50	String Grade L-80

Tubing Run					
Run Time 14:00	Tubing Description TUBING - PRODUCTION	Set Depth (ftKB) 7,788.3	Max Nominal OD (in) 2 7/8	Weight/Length (lb/ft) 6.50	String Grade L-80
Run Time 16:00	Tubing Description TUBING - PRODUCTION	Set Depth (ftKB) 7,051.2	Max Nominal OD (in) 4.56	Weight/Length (lb/ft) 6.50	String Grade L-80



AMERICAN ENERGY
PARTNERS

AMERICAN ENERGY - PERMIAN BASIN, LLC
Daily Completion Report

UNIVERSITY 09 0804H
AEPB WELL NO. 22

Report Date 5/22/2015
AFE # DV02062
Total AFE 4,345,700

API 42383392030000	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 4/14/2015		
AFE Number DV02062		Supplemental AFE Number			Daily Field Est (Cost) 30,061		Cum Field Est (Cost) 3,930,205			
Number of Stages (ft) 43		Lateral Length (ft) 7,022			Time Since LTI (days)		Time Since Reportable Incident (days)			
Daily Contacts										
Contacts CONSLTNT, MIKE COOKE, CRSCNT; COMP SUP, TIM DENNING, CRSCNT; CONSLTNT, SHAWN LEWIS, CRSCNT										
Daily Operations										
Operations Summary RIG REPAIR, CONTINUE POOH W/ BHA = DIAMOND SHOE 4 11/16", TOP BUSHING = 4.68", BUMPER SUB 3-3/4 ' , JARS 3-3/4', 2-7/8 PH-6 B X 2-3/8" IF P 3-5/8', 11 JTS 2 7/8" PH-6 TBG, 2 3/8" IF B X 2 7/8" PH-6 P, 3 3/4" ACCELERATOR, 2 7/8" PH-6 B X 2 3/8" IF P. (BHA = 61.26') & 2 7/8" PH-6 TBG. MAKE CREW CHANGE HAVE 5 MIN SAFTEY MEETING ON TRIPPING TBG. TIH W/ NEW BHA = SHORT CATCH 4 3/4' W/ 4" GRAPPLE, BUMPER SUB 3-3/4 ' , JARS 3-3/4', 2-7/8 PH-6 B X 2-3/8" IF P 3-5/8', 11 JTS 2 7/8" PH-6 TBG, 2 3/8" IF B X 2 7/8" PH-6 P, 3 3/4" ACCELERATOR, 2 7/8" PH-6 B X 2 3/8" IF P. (BHA = 61.26') & 2 7/8" PH-6 TBG TO 9833'. LATCH ON FISH, START JARRING FISH FOR 2 HRS. RIG DOWN. SHUTIN WELL. WORK TUBING STRING UP AND DOWN TO TRY AND FREE ESP, WORKED FREE AND TOH W/ 314 JTS 2 7/8 PH-6 TBG,SHORT CATCH 4 3/4" W/ 4" GRAPPLE, BUMPER SUB 3-3/4 ' , JARS 3-3/4', 2-7/8 PH-6 B X 2-3/8" IF P 3-5/8',, 2 3/8" IF B X 2 7/8" PH-6 P, 3 3/4" ACCELERATOR, 2 7/8" PH-6 B X 2 3/8" IF P.WITH 3 ESP PUMPS, 4 GAS SEPARATORS, 2 MOTOR SEALS, 1 SENSOR SECURED IN THE WELLHEAD, WO BORETS TO AOL TO DISASSEMBLE ESP.SECURE WELL										
Planned Operations DISASSEMBLE ESP, WAIT FOR ORDERS										
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	PULL TUBING	No	CONTINUE POOH W/ BHA = DIAMOND SHOE 4 11/16", TOP BUSHING = 4.68", BUMPER SUB 3-3/4 ' , JARS 3-3/4', 2-7/8 PH-6 B X 2-3/8" IF P 3-5/8', 11 JTS 2 7/8" PH-6 TBG, 2 3/8" IF B X 2 7/8" PH-6 P, 3 3/4" ACCELERATOR, 2 7/8" PH-6 B X 2 3/8" IF P. (BHA = 61.26') & 2 7/8" PH-6 TBG.				
06:00	07:00	1.00	2.00	SAFETY MEETING	No	MAKE CREW CHANGE HAVE 5 MIN SAFTEY MEETING ON TRIPPING TBG				
07:00	09:15	2.25	4.25	REPAIR RIG	Yes	CHANGE OUT FROM 4 LINES TO 6 LINE ON BLOCKS.		RIG REPAIRS		
09:15	11:15	2.00	6.25	PULL TUBING	No	CONTINUE POOH W/ BHA. DIAMOND SHOE WORN ON ID & OD.				
11:15	14:30	3.25	9.50	RIG UP/DOWN	No	TIH W/ NEW BHA = SHORT CATCH 4 3/4" W/ 4" GRAPPLE, BUMPER SUB 3-3/4 ' , JARS 3-3/4', 2-7/8 PH-6 B X 2-3/8" IF P 3-5/8', 11 JTS 2 7/8" PH-6 TBG, 2 3/8" IF B X 2 7/8" PH-6 P, 3 3/4" ACCELERATOR, 2 7/8" PH-6 B X 2 3/8" IF P. (BHA = 57.86') & 2 7/8" PH-6 TBG TO 9833'.				
14:30	16:30	2.00	11.50	GENERAL OPERATIONS	No	LATCH ON FISH AT 9833'. JARRING ON FISH 2 HRS.				
16:30	23:00	6.50	18.00	DOWNTIME	No	AAA RIG 115 DOWN. BRAKES ON RIG BAD. W O MECHANIC & RIG REPAIR. WELL SHUTIN.		RIG REPAIRS	Yes	
23:00	05:00	6.00	24.00	PULL TUBING	No	WORK TUBING STRING UP AND DOWN TO TRY AND FREE ESP, WORKED FREE AND TOH W/ 314 JTS 2 7/8 PH-6 TBG,SHORT CATCH 4 3/4" W/ 4" GRAPPLE, BUMPER SUB 3-3/4 ' , JARS 3-3/4', 2-7/8 PH-6 B X 2-3/8" IF P 3-5/8',, 2 3/8" IF B X 2 7/8" PH-6 P, 3 3/4" ACCELERATOR, 2 7/8" PH-6 B X 2 3/8" IF P.WITH 3 ESP PUMPS, 4 GAS SEPARATORS, 2 MOTOR SEALS, 1 SENSOR SECURED IN THE WELLHEAD, WO BORETS TO AOL TO DISASSEMBLE ESP.				
NPT										
Typ		SubTyp	Des		Start Date	End Date	Failed Item	Accountable Party	Dur (hr)	
SURFACE EQUIPMENT		WOR	BRAKES ON RIG WORN		5/21/2015 16:30	5/21/2015 23:00		AAA WELL SERVICE, LLC	6.50	
Safety Checks										
Time		Type			Inspected By		Description			
07:00		SAFETY MEETING			SHAWN LEWIS		JSA AND TRIPPING TBG SAFTEY			
18:00		SAFETY MEETING			TIM DENNING		JSA, WEATHER,			
Workover Rig										
Contractor AAA				Rig Number 115			Rig Type			
Perforation Intervals										
Time	Zone		Top (ftKB)		Btm (ftKB)		Shot Dens (shots/ft)		Gun Size (in)	Com
Tubing Run										
Run Time 14:00	Tubing Description TUBING - PRODUCTION		Set Depth (ftKB) 7,788.3		Max Nominal OD (in) 2 7/8		Weight/Length (lb/ft) 6.50		String Grade L-80	
Run Time 16:00	Tubing Description TUBING - PRODUCTION		Set Depth (ftKB) 7,051.2		Max Nominal OD (in) 4.56		Weight/Length (lb/ft) 6.50		String Grade L-80	



AMERICAN ENERGY
PARTNERS

AMERICAN ENERGY - PERMIAN BASIN, LLC
Daily Completion Report

UNIVERSITY 09 0804H
AEPB WELL NO. 22

Report Date 5/23/2015
AFE # DV02062
Total AFE 4,345,700

API 42383392030000	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 4/14/2015
AFE Number DV02062	Supplemental AFE Number	Daily Field Est (Cost) 24,762	Cum Field Est (Cost) 3,965,759	
Number of Stages (ft) 43	Lateral Length (ft) 7,022	Time Since LTI (days)	Time Since Reportable Incident (days)	

Daily Contacts

Contacts
CONSLTNT, MIKE COOKE, CRSCNT; COMP SUP, TIM DENNING, CRSCNT; CONSLTNT, SHAWN LEWIS, CRSCNT

Daily Operations

Operations Summary
SAFETY MEETING, LD FISH, TIH W/ PH-6 WORK STRING, LD WORK STRING,TOH W/ PH-6 WORK STRING. PU MOTORS FOR ESP, SERVICE MOTORS, TIH W/ MOTORS & PUMPS. TIH W/ 3 JTS 2 7/8 TAIL PIPE W/ BULL PLUG ESP & 145 JTS 2 7/8" 6.5# L-80 PRODUCTION TBG, CHECKING VOLTAGE ON ESP EVERY 1000', VOLTAGE IS GOOD, 144 CANNON CLAMPS INSTALLED, CONTINUE TIH @ REPORT TIME

Planned Operations
COMPLETE TIH 2 7/8 TBG, INSTALL PRODUCTION TREE, TURN WELL OVER TO PRODUCTION, RDMO AAA RIG 115

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	W O BORETS ESP TECHNICIAN TO DISSEMBLE ESP.		
07:30	09:00	1.50	4.00	GENERAL OPERATIONS	No	LD ESP & 3 JTS 2 7/8" 8RD EUE TAIL PIPE W/ BULL PLUG. NOTE- TAIL PIPE WAS FULL OF SAND.		
09:00	13:00	4.00	8.00	TRIPPING	No	TIH W/ PH-6 WORK STRING.		
13:00	18:45	5.75	13.75	TRIPPING	No	TOH W/ PH-6 WORK STRING.		
18:45	22:00	3.25	17.00	GENERAL OPERATIONS	No	PU MOTORS FOR ESP, SERVICE MOTORS, TIH W/ MOTORS & PUMPS.		
22:00	05:00	7.00	24.00	TRIPPING	No	TIH W/ ESP & 145 JTS 2 7/8" 6.5# L-80 PRODUCTION TBG, CHECKING VOLTAGE ON ESP EVERY 1000', VOLTAGE IS GOOD, 144 CANNON CLAMPS INSTALLED , CONTINUE TIH REPORT TIME		

Safety Checks

Time	Type	Inspected By	Description
07:00	SAFETY MEETING	MIKE COOKE	JSA.
18:00	SAFETY MEETING	TIM DENNING	JSA

Workover Rig

Contractor AAA	Rig Number 115	Rig Type
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Plug Details

Description FISH	Top (ftKB) 10,650.0	Btm (ftKB) 10,883.5	OD (in) 4	ID (in)	Run Date 5/9/2015	Pull Date 5/22/2015	Comment 135' ESP PUMP, 3JTS L80 6.5LB TBGN
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Perforation Intervals

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

Tubing Run

Run Time 14:00	Tubing Description TUBING - PRODUCTION	Set Depth (ftKB) 7,788.3	Max Nominal OD (in) 2 7/8	Weight/Length (lb/ft) 6.50	String Grade L-80
Run Time 16:00	Tubing Description TUBING - PRODUCTION	Set Depth (ftKB) 7,051.2	Max Nominal OD (in) 4.56	Weight/Length (lb/ft) 6.50	String Grade L-80
Run Time 19:00	Tubing Description TUBING - PRODUCTION	Set Depth (ftKB) 7,075.0	Max Nominal OD (in)	Weight/Length (lb/ft)	String Grade



AMERICAN ENERGY
PARTNERS

AMERICAN ENERGY - PERMIAN BASIN, LLC
Daily Completion Report

UNIVERSITY 09 0804H
AEPB WELL NO. 22

Report Date 5/24/2015
AFE # DV02062
Total AFE 4,345,700

API 42383392030000	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 4/14/2015
AFE Number DV02062	Supplemental AFE Number	Daily Field Est (Cost) 15,312	Cum Field Est (Cost)	3,980,965
Number of Stages (ft) 43	Lateral Length (ft) 7,022	Time Since LTI (days)	Time Since Reportable Incident (days)	

Daily Contacts

Contacts COMP SUP, TIM DENNING, CRSCNT

Daily Operations

Operations Summary COMPLETE TIH 2 7/8 TBG, INSTALL PRODUCTION TREE, TURN WELL OVER TO PRODUCTION, RDMO AAA RIG 115
Planned Operations TURN TO PRODUCTION

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	TRIPPING	No	CONTINUE TIH W/66 JTS 2 7/8 6.5 # EUE TBG W CANON CLAMPS,INSTALL ESP HANGER, SPLICE CABLE TO HANGER LAND HANGER, NIPPLE DOWN BOPS AND HYDRILL CHECK VOLTAGE LOOKS GOOD, TBG DETAIL, NOTE KB 30', 211 JTS 6915.67, DRAIN .50, 2 JTS 65.30, CHECK VALVE .50, INTAKE 7,041.67', SUB PUMP 131.12, W/DESANDER, 3 JTS TAIL PIPE 97.98, BULL PLUG .50, EOT 7,183.93		
09:00	11:00	2.00	6.00	RIG UP/DOWN	No	RDMO AAA RIG # 115, KILL PUMP AND TANK,		
11:00	05:00	18.00	24.00	INACTIVE	No	TURN OVER TO PRODUCTION		

Safety Checks

Time	Type	Inspected By	Description
07:00	SAFETY MEETING	TIM DENNING	JSA

Workover Rig

Contractor AAA	Rig Number 115	Rig Type
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Perforation Intervals

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

Tubing Run

Run Time 14:00	Tubing Description TUBING - PRODUCTION	Set Depth (ftKB) 7,788.3	Max Nominal OD (in) 2 7/8	Weight/Length (lb/ft) 6.50	String Grade L-80
Run Time 16:00	Tubing Description TUBING - PRODUCTION	Set Depth (ftKB) 7,051.2	Max Nominal OD (in) 4.56	Weight/Length (lb/ft) 6.50	String Grade L-80
Run Time 19:00	Tubing Description TUBING - PRODUCTION	Set Depth (ftKB) 7,189.5	Max Nominal OD (in) 2 7/8	Weight/Length (lb/ft) 6.50	String Grade L-80