



AMERICAN ENERGY
PARTNERS

AMERICAN ENERGY - PERMIAN BASIN, LLC
Daily Completion Report

UNIVERSITY 09 0921H
AEPB WELL NO. 54

Report Date 5/31/2015
AFE # 1420225
Total AFE 4,687,800

API 42383389370000	State TEXAS	County REAGAN	Well Config HORIZONTAL	Ground Elevation (ft) 2,645.00	RKB (ft) 30.00	Well Status COMPLETION	Well Sub-Status COMPLETING	Completion Date
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Job Information

Job Category COMPLETION	Primary Job Type COMPLETION - ORIGINAL	Secondary Job Type	Start Date 5/5/2015	End Date
AFE Number 1420225	Supplemental AFE Number	Daily Field Est (Cost) 6,385	Cum Field Est (Cost)	35,566
Number of Stages (ft)	Lateral Length (ft)	Time Since LTI (days)	Time Since Reportable Incident (days)	

Daily Contacts

Contacts COMP SUPER, DANNY SEAY, NEW TECH ENG; CONSLTNT, KEVIN ETCHISON, LOOP
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Daily Operations

Operations Summary MIRU CASED HOLE SOLUTIONS PUMP TRUCKS. OPEN BPS AND BREAKDOWN PREP FOR LOGGS
Planned Operations WAITING ON ALLIED LOGGING TRUCK

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	NO ACTIVITY WAITING ON CASED HOLE PUMP TRUCKS TO ARRIVE ON LOCATION		
07:00	07:15	0.25	2.25	SAFETY MEETING	No	HOLD SM/JSA WITH VENDORS		
07:15	12:15	5.00	7.25	RIG UP/DOWN	No	MIRU CASED HOLE SOLUTIONS PUMP TRUCKS AND RU TREATING IRON		
12:15	12:45	0.50	7.75	PRESSURE TEST	No	PRESSURE TEST STACK DOWN TO LOWER MASTER TO 8500 PSI FOR 5 MIN. NEEDLE VALVE WAS LEAKING. REPLACED AND RETESTED. HELD OK		
12:45	15:45	3.00	10.75	GENERAL OPERATIONS	No	OPEN LOWER MASTER VALVE WELL AT 0 PSI. ESTABLISHED RATE OF 2 BPM AND PRESSURED UP CSG TO 4590 PSI FOR 5 MIN. INCREASED PRESSURE IN 200 PSI INCRIMENTS TO 6400 PSI WHERE BPS OPENED PRESSURE FELL TO 4000. WHILE WALKING THE RATE UP, PRESSURE INCREASED TO 6800 PSI AND FELL TO 4000 PSI. INDICATING ANOTHER BPS OPENING. ESTABLISH RATE OF 15 BPM AT 7900 PSI. DISPLACED 400 BBLs OF TFW. FINAL RATE OF 15 BPM AT 7900 PSI. SWI AND MOVED OVER TO THE 0912H ISIP 2893 PSI FG .78 5 MIN 2410 10 MIN 2338 15 MIN 2307		
15:45	05:00	13.25	24.00	INACTIVE	No	SWIFN NO ACTIVITY		

Safety Checks

Time	Type	Inspected By	Description
07:00	SAFETY MEETING	DANNY SEAY	PRE TOUR SM/JSA
18:00	SAFETY MEETING	KEVIN ETCHISON	PRE TOUR SAFETY MEETING

Perforation Intervals

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

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

UNIVERSITY 09 0921H
AEPB WELL NO. 54

Report Date 6/1/2015
AFE # 1420225
Total AFE 4,687,800

API 42383389370000	State TEXAS	County REAGAN	Well Config HORIZONTAL	Ground Elevation (ft) 2,645.00	RKB (ft) 30.00	Well Status COMPLETION	Well Sub-Status COMPLETING	Completion Date
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Job Information

Job Category COMPLETION	Primary Job Type COMPLETION - ORIGINAL	Secondary Job Type	Start Date 5/5/2015	End Date
AFE Number 1420225	Supplemental AFE Number	Daily Field Est (Cost) 3,835	Cum Field Est (Cost)	39,401
Number of Stages (ft)	Lateral Length (ft)	Time Since LTI (days)	Time Since Reportable Incident (days)	

Daily Contacts

Contacts COMP SUPER, DANNY SEAY, NEW TECH ENG; CONSLTNT, KEVIN ETCHISON, LOOP
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Daily Operations

Operations Summary NO ACTIVITY WAITING ON ALLIED
Planned Operations NO ACTIVITY WAITING ON ALLIED

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	INACTIVE	No	NO ACTIVITY WAITING ON ALLIED WIRELINE		

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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UNIVERSITY 09 0921H
AEPB WELL NO. 54

Report Date	6/2/2015
AFE #	1420225
Total AFE	4,687,800

Job Information				
Job Category COMPLETION	Primary Job Type COMPLETION - ORIGINAL	Secondary Job Type	Start Date 5/5/2015	End Date
AFE Number 1420225	Supplemental AFE Number	Daily Field Est (Cost) 3,335	Cum Field Est (Cost)	43,639
Number of Stages (ft)	Lateral Length (ft)	Time Since LTI (days)	Time Since Reportable Incident (days)	

Contacts
COMP SUPER, DANNY SEAY, NEW TECH ENG; CONSLTNT, KEVIN ETCHISON, LOOP

Operations Summary
NO ACTIVITY WAITING ON ALLIED
Planned Operations
LOG WELL W/ ALLIED WL

Start Time	End Time	Dur (hr)	Cum Dur (hr)	Activity	Inactive?	Comments	Unschd Typ	NPT
05:00	05:00	24.00	24.00	INACTIVE	No	NO ACTIVITY		

Time	Type	Inspected By	Description

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

UNIVERSITY 09 0921H

AEPB WELL NO. 54

API 42383389370000	State TEXAS	County REAGAN	Well Config HORIZONTAL	Ground Elevation (ft) 2,645.00	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 5/5/2015		End Date	
AFE Number 1420225		Supplemental AFE Number		Daily Field Est (Cost) 3,335		Cum Field Est (Cost) 47,089			
Number of Stages (ft)		Lateral Length (ft)		Time Since LTI (days)		Time Since Reportable Incident (days)			
Daily Contacts									
Contacts COMP SUPER, DANNY SEAY, NEW TECH ENG; CONSLTNT, KEVIN ETCHISON, LOOP									
Daily Operations									
Operations Summary NO ACTIVITY WAITING ON ALLIED									
Planned Operations NO ACTIVITY WAITING ON ALLIED									
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	INACTIVE	Yes	WAITING ON ALLIED WIRELINE TO LOG WELL			
Safety Checks									
Time		Type			Inspected By		Description		
Perforation Intervals									
Time	Zone			Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Gun Size (in)	Com	



Report Date	6/4/2015
AFE #	1420225
Total AFE	4,687,800

API	State	County	Well Config	Ground Elevation (ft)	RKB (ft)	Well Status	Well Sub-Status	Completion Date
42383389370000	TEXAS	REAGAN	HORIZONTAL	2,645.00	30.00	COMPLETION	COMPLETING	

Job Category COMPLETION	Primary Job Type COMPLETION - ORIGINAL	Secondary Job Type	Start Date 5/5/2015	End Date
AFE Number 1420225	Supplemental AFE Number	Daily Field Est (Cost) 11,830	Cum Field Est (Cost)	58,919
Number of Stages (ft)	Lateral Length (ft)	Time Since LTI (days)	Time Since Reportable Incident (days)	

<p>Contacts</p> <p>COMP SUP, CLAYTON BRUNTZ, LOOP; COMP SUPER, CODY O'KEEFE, LOOP; COMP SUP, EDDIE LEASURE, CRSCNT; WO SUP, ROQUE DE LA TORRE, CRSCNT</p>

Operations Summary
0 EHS ISSUES; 0 HRS NPT; ATTEMPT TO PUMP DOWN RAS/SPECTRAL GAMMA TOOLS. ONLY ABLE TO PUMP A MAX RATE OF 15 BPM AT 8200 PSI WITH A MAX WIRELINE SPEED OF 30 FT/MIN. SHUT DOWN PUMPS, POOH, AND WAIT FOR ACID TO ARRIVE. PUMP 1100 GAL OF 15% ACID. AR 10 BPM @6800#. ACID IN FORMATION PRESS DROP FROM 7200# TO 5400#. AIR 20 BPM @5400#. OVER DISPLACE WITH 45 BBLS SD PUMPS. RU WL AND RIH WITH RCBL AT REPORT TIME.

RUN RCBL, RAS/SPECTRAL GAMMA AND PRESS TEST CSG.

Start Time	End Time	Dur (hr)	Cum Dur (hr)	Activity	Inactive?	Comments	Unschd Typ	NPT
05:00	06:30	1.50	1.50	INACTIVE	Yes	WAITING ON AVAILABLE WIRELINE UNIT		
06:30	10:30	4.00	5.50	GENERAL OPERATIONS	No	WAITING ON SIM-OPS.		
10:30	15:30	5.00	10.50	LOGGING	No	ATTEMPT TO PUMP DOWN RAS/SPECTRAL GAMMA TOOLS. ONLY ABLE TO PUMP A MAX RATE OF 15 BPM AT 8200 PSI WITH A MAX WIRELINE SPEED OF 30 FT/MIN. SHUT DOWN PUMPS, POOH, AND WAIT FOR ACID TO ARRIVE.		
15:30	02:00	10.50	21.00	GENERAL OPERATIONS	No	WAITING ON SIM-OPS.		
02:00	03:45	1.75	22.75	PUMP TEST	No	PUMPED 1100 GAL OF 15% HCL. DISPLACED AT 10 BPM 6800 PSI. ONCE ACID HIT FORMATION THERE WAS 2200 PRESSURE DROP GOING FROM 7200 PSI TO 5400 PSI AT 16 BPM. WORKED RATE UP TO 20 BPM AT 5400 PSI DISPLACED ACID 45 BBLs OVER CAPACITY. SHUT DOWN AND RIG UP WIRELINE TO RUN IN HOLE WITH THE CBL TOOL.		
03:45	05:00	1.25	24.00	LOGGING	No	RIH WITH CBL AT REPORT TIME.		

Time	Type	Inspected By	Description
06:30	SAFETY MEETING	CLAYTON BRUNTZ	PRE TOUR SAFETY MEETING
16:30	SAFETY MEETING	CODY O'KEEFE / EDDIE LEASURE/ROQUE DE LA TORRE	PRE TOUR SAFETY MEETING

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



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 0921H
AEPB WELL NO. 54

Report Date 6/6/2015
AFE # 1420225
Total AFE 4,687,800

API 42383389370000	State TEXAS	County REAGAN	Well Config HORIZONTAL	Ground Elevation (ft) 2,645.00	RKB (ft) 30.00	Well Status COMPLETION	Well Sub-Status COMPLETING	Completion Date
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Job Information

Job Category COMPLETION	Primary Job Type COMPLETION - ORIGINAL	Secondary Job Type	Start Date 5/5/2015	End Date
AFE Number 1420225	Supplemental AFE Number	Daily Field Est (Cost) 13,895	Cum Field Est (Cost)	89,785
Number of Stages (ft)	Lateral Length (ft)	Time Since LTI (days)	Time Since Reportable Incident (days)	

Daily Contacts

Contacts COMP SUP, CLAYTON BRUNTZ, LOOP; COMP SUPER, CODY O'KEEFE, LOOP; COMP SUP, EDDIE LEASURE, CRSCNT; WO SUP, ROQUE DE LA TORRE, CRSCNT; CONSLTNT, JASON COLLINSWORTH, CRSCNT
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Daily Operations

Operations Summary 0 EHS ISSUES; 0 HRS NPT; RIH WITH RBP. WHP 2300 PSI. SET RBP AT 6710'. POOH. BLEED WELL DOWN TO 0 PSI. MONITOR FLOWBACK TO CONFIRM PLUG HOLDING. RIG DOWN WELLHEAD WORKS STACK, RIG UP TRI-STATE STACK. PRESSURE TEST STACK TO 3000 PSI FOR 5 MIN, TEST TO 9000 PSI AND CHARTED FOR 10 MIN. RIG UP AND PRESSURE TEST LUB. RIH WITH RETRIEVING TOOL TO RBP AT 6710' LATCH ON TO RBP AND POOH AT REPORT TIME.
Planned Operations READY FOR FRAC

Time Log

Start Time	End Time	Dur (hr)	Cum Dur (hr)	Activity	Inactive?	Comments	Unschd Typ	NPT
05:00	11:30	6.50	6.50	INACTIVE	Yes	WAITING ON SIM-OPS.		
11:30	13:00	1.50	8.00	GENERAL OPERATIONS	No	RIH WITH RBP. WHP 2300 PSI. SET RBP AT 6710'. POOH. BLEED WELL DOWN TO 0 PSI. MONITOR FLOWBACK TO CONFIRM PLUG HOLDING.		
13:00	17:30	4.50	12.50	RIG UP/DOWN	No	RIG DOWN WELLHEAD WORKS STACK, RIG UP TRI-STATE STACK.		
17:30	01:30	8.00	20.50	INACTIVE	Yes	WAITING ON SIM-OPS		
01:30	02:30	1.00	21.50	PRESSURE TEST	No	PRESSURE TEST STACK TO 3000 PSI FOR 5 MIN, TEST TO 9000 PSI AND CHARTED FOR 10 MIN.		
02:30	05:00	2.50	24.00	WIRELINE	No	RIG UP AND PRESSURE TEST LUB. RIH WITH RETRIEVING TOOL TO RBP AT 6710' LATCH ON TO RBP AND POOH.		

Safety Checks

Time	Type	Inspected By	Description
05:01	SAFETY MEETING	CLAYTON BRUNTZ / JASON COLLINSWORTH	PRE TOUR SAFETY MEETING
16:30	SAFETY MEETING	CODY O'KEEFE / EDDIE LEASURE	PRE TOUR SAFETY MEETING

Perforation Intervals

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

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UNIVERSITY 09 0921H
AEPB WELL NO. 54

Report Date	6/7/2015
AFE #	1420225
Total AFE	4,687,800

Job Information				
Job Category COMPLETION	Primary Job Type COMPLETION - ORIGINAL	Secondary Job Type	Start Date 5/5/2015	End Date
AFE Number 1420225	Supplemental AFE Number	Daily Field Est (Cost) 18,378	Cum Field Est (Cost)	108,515
Number of Stages (ft)	Lateral Length (ft)	Time Since LTI (days)	Time Since Reportable Incident (days)	

Contacts
COMP SUP, CLAYTON BRUNTZ, LOOP; COMP SUPER, CODY O'KEEFE, LOOP; COMP SUP, EDDIE LEASURE, CRSCNT; CONSLTNT, JASON COLLINSWORTH, CRSCNT

Operations Summary
0 EHS ISSUES; 0 HRS NPT; WELL SHUT IN, READY FOR FRAC.
Planned Operations
READY FOR FRAC

Start Time	End Time	Dur (hr)	Cum Dur (hr)	Activity	Inactive?	Comments	Unschd Typ	NPT
05:00	05:00	24.00	24.00	INACTIVE	Yes	WELL SHUT IN AND SECURE READY FOR FRAC		

Time	Type	Inspected By	Description
05:01	SAFETY MEETING	CLAYTON BRUNTZ / JASON COLLINSWORTH	PRE TOUR SAFETY MEETING
16:30	SAFETY MEETING	CODY O'KEEFE / EDDIE LEASURE	PRE TOUR SAFETY MEETING

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



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

UNIVERSITY 09 0921H
AEPB WELL NO. 54

Report Date 6/8/2015
AFE # 1420225
Total AFE 4,687,800

API 42383389370000	State TEXAS	County REAGAN	Well Config HORIZONTAL	Ground Elevation (ft) 2,645.00	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 5/5/2015	End Date					
AFE Number 1420225		Supplemental AFE Number			Daily Field Est (Cost) 18,068		Cum Field Est (Cost) 126,584						
Number of Stages (ft)		Lateral Length (ft)			Time Since LTI (days)		Time Since Reportable Incident (days)						
Daily Contacts													
Contacts COMP SUP, CLAYTON BRUNTZ, LOOP; COMP SUPER, CODY O'KEEFE, LOOP; COMP SUP, EDDIE LEASURE, CRSCNT; CONSLTNT, JASON COLLINSWORTH, CRSCNT													
Daily Operations													
Operations Summary 0 EHS ISSUES; 0 HRS NPT; WELL SHUT IN, READY FOR FRAC.WELL SHUT IN AND SECURE READY FOR FRAC													
Planned Operations READY FOR 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	INACTIVE	Yes	WELL SHUT IN AND SECURE READY FOR FRAC							
Safety Checks													
Time		Type			Inspected By		Description						
05:01		SAFETY MEETING			CLAYTON BRUNTZ / JASON COLLINSWORTH		PRE TOUR SAFETY MEETING						
16:30		SAFETY MEETING			CODY O'KEEFE / EDDIE LEASURE		PRE TOUR SAFETY MEETING						
Perforation Intervals													
Time	Zone			Top (ftKB)		Btm (ftKB)		Shot Dens (shots/ft)		Gun Size (in)		Com	



UNIVERSITY 09 0921H
AEPB WELL NO. 54

Report Date	6/9/2015
AFE #	1420225
Total AFE	4,687,800

Job Information				
Job Category COMPLETION	Primary Job Type COMPLETION - ORIGINAL	Secondary Job Type	Start Date 5/5/2015	End Date
AFE Number 1420225	Supplemental AFE Number	Daily Field Est (Cost) 38,593	Cum Field Est (Cost)	165,177
Number of Stages (ft)	Lateral Length (ft)	Time Since LTI (days)	Time Since Reportable Incident (days)	

Daily Contacts

COMP SUP, CLAYTON BRUNTZ, LOOP; COMP SUPER, CODY O'KEEFE, LOOP; COMP SUP, EDDIE LEASURE, CRSCNT; CONSLTNT, JASON COLLINSWORTH, CRSCNT

Daily Operations

Operations Summary

0 EHS ISSUES; 0 HRS NPT; ESTABLISH INJECTION PUMPING AT 10 BPM AT 4000 PSI FOR 25 TOTAL BBLS TO CONFIRM BALL DISSOLVED. RIG UP FRAC.

Planned Operations
FRAC MULTIPLE STAGES

Time Log

Safety Checks									
1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

Safety Checks

Perforation Intervals			
1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16
17	18	19	20
21	22	23	24
25	26	27	28
29	30	31	32
33	34	35	36
37	38	39	40
41	42	43	44
45	46	47	48
49	50	51	52
53	54	55	56
57	58	59	60
61	62	63	64
65	66	67	68
69	70	71	72
73	74	75	76
77	78	79	80
81	82	83	84
85	86	87	88
89	90	91	92
93	94	95	96
97	98	99	100

Perforation Intervals

Total Add Amount
100 MESH WHITE BULK SAND 17907 lb; 40/70 WHITE BULK SAND 117092 lb; ACID 2016 GAL; BIO 15-G BIOCIDE 68 gal; CIA-5 6 GAL; IR-1 6 GAL; NE-1 2 GAL; SURFACTANT ROCK ON 312 gal; WFR-5 FRICTION REDUCER 114 gal



AMERICAN ENERGY - PERMIAN BASIN, LLC
Daily Completion Report

Report Date 6/11/2015
AFE # 1420225
Total AFE 4,687,800

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UNIVERSITY 09 0921H
AEPB WELL NO. 54

API 42383389370000	State TEXAS	County REAGAN	Well Config HORIZONTAL	Ground Elevation (ft) 2,645.00	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 5/5/2015	End Date					
AFE Number 1420225		Supplemental AFE Number			Daily Field Est (Cost) 182,142		Cum Field Est (Cost) 398,248						
Number of Stages (ft) 56		Lateral Length (ft) 9,872			Time Since LTI (days)		Time Since Reportable Incident (days)						
Daily Contacts													
Contacts COMP SUP, CLAYTON BRUNTZ, LOOP; COMP SUPER, CODY O'KEEFE, LOOP; COMP SUP, EDDIE LEASURE, CRSCNT; CONSLTNT, JASON COLLINSWORTH, CRSCNT; COMP SUPVR, TOMMY GOFORTH, CRSCNT													
Daily Operations													
Operations Summary 0 EHS ISSUES; 0 HRS NPT; 4 STAGES FRAC'D ON WELL; 2-5 OF 56 AND PERF'D STAGE 3-6 OF 56 ; FRAC'D 7 STAGES ON PAD WITH UPP CREW; 3-WELL ZIPPER FRAC WITH UNIVERSITY 09 0902H AND 0912H.													
Planned Operations FRAC MULTIPLE STAGES													
Time Log													
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Activity	Inactive?	Comments	Unschd Typ	NPT					
05:00	06:00	1.00	1.00	INACTIVE	Yes	WAITING ON SIMOPS							
06:00	07:30	1.50	2.50	FRAC. JOB	No	FRAC STAGE 2 OF 56							
07:30	10:00	2.50	5.00	PERFORATING	No	PLUG & PERF STAGE 3 OF 56							
10:00	13:30	3.50	8.50	INACTIVE	Yes	WAITING ON SIM-OPS							
13:30	15:15	1.75	10.25	FRAC. JOB	No	FRAC STAGE 3 OF 56							
15:15	16:30	1.25	11.50	PERFORATING	No	PLUG & PERF STAGE 4 OF 56							
16:30	20:45	4.25	15.75	GENERAL OPERATIONS	No	GREASE AND TORQUE FRACSTACK AND ZIPPER							
20:45	22:30	1.75	17.50	FRAC. JOB	No	FRAC STAGE 4 OF 56							
22:30	00:00	1.50	19.00	PERFORATING	No	PLUG & PERF STAGE 5 OF 56							
00:00	01:45	1.75	20.75	INACTIVE	Yes	WAITING ON SIM-OPS							
01:45	03:30	1.75	22.50	FRAC. JOB	No	FRAC STAGE 5 OF 56							
03:30	05:00	1.50	24.00	PERFORATING	No	PLUG & PERF STAGE 6 OF 56							
Safety Checks													
Time		Type			Inspected By		Description						
05:01		SAFETY MEETING			CLAYTON BRUNTZ / JASON COLLINSWORTH/ TOMMY GOFORTH		PRE TOUR SAFETY MEETING						
17:00		SAFETY MEETING			CODY O'KEEFE / EDDIE LEASURE		PRE TOUR SAFETY MEETING						
Plug Details													
Des		Top (ftKB)	Btm (ftKB)	OD (in)	ID (in)	Run Date	Pull Date	Com					
FRAC PLUG		17,708.0	17,710.0	4.67		6/10/2015		PLUG STAGE 3					
FRAC PLUG		17,533.0	17,535.0	4.67		6/10/2015		PLUG STAGE 4					
FRAC PLUG		17,358.0	17,360.0	4.67		6/10/2015		PLUG STAGE 5					
FRAC PLUG		17,183.0	17,185.0	4.67		6/11/2015		PLUG STAGE 6					
Perforation Intervals													
Time	Zone			Top (ftKB)		Btm (ftKB)		Shot Dens (shots/ft)	Gun Size (in)	Com			
04:45	WOLFCAMP A, ORIGINAL HOLE			17,028.0		17,029.3		6.0	3 1/8	STAGE 6 PERFORATIONS			
04:45	WOLFCAMP A, ORIGINAL HOLE			17,058.0		17,059.3		6.0	3 1/8	STAGE 6 PERFORATIONS			
04:45	WOLFCAMP A, ORIGINAL HOLE			17,093.0		17,094.3		6.0	3 1/8	STAGE 6 PERFORATIONS			
04:45	WOLFCAMP A, ORIGINAL HOLE			17,128.0		17,129.3		6.0	3 1/8	STAGE 6 PERFORATIONS			
04:45	WOLFCAMP A, ORIGINAL HOLE			17,163.0		17,164.3		6.0	3 1/8	STAGE 6 PERFORATIONS			
23:30	WOLFCAMP A, ORIGINAL HOLE			17,196.0		17,197.3		6.0	3 1/8	STAGE 5 PERFORATIONS			
23:30	WOLFCAMP A, ORIGINAL HOLE			17,233.0		17,234.3		6.0	3 1/8	STAGE 5 PERFORATIONS			
23:30	WOLFCAMP A, ORIGINAL HOLE			17,268.0		17,269.3		6.0	3 1/8	STAGE 5 PERFORATIONS			
23:30	WOLFCAMP A, ORIGINAL HOLE			17,303.0		17,304.3		6.0	3 1/8	STAGE 5 PERFORATIONS			
23:30	WOLFCAMP A, ORIGINAL HOLE			17,333.0		17,334.3		6.0	3 1/8	STAGE 5 PERFORATIONS			
16:30	WOLFCAMP A, ORIGINAL HOLE			17,373.0		17,374.3		6.0	3 1/8	STAGE 4 PERFORATIONS			
16:30	WOLFCAMP A, ORIGINAL HOLE			17,408.0		17,409.3		6.0	3 1/8	STAGE 4 PERFORATIONS			
16:30	WOLFCAMP A, ORIGINAL HOLE			17,443.0		17,444.3		6.0	3 1/8	STAGE 4 PERFORATIONS			
16:30	WOLFCAMP A, ORIGINAL HOLE			17,480.0		17,481.3		6.0	3 1/8	STAGE 4 PERFORATIONS			
16:30	WOLFCAMP A, ORIGINAL HOLE			17,513.0		17,514.3		6.0	3 1/8	STAGE 4 PERFORATIONS			
09:30	WOLFCAMP A, ORIGINAL HOLE			17,548.0		17,549.3		6.0	3 1/8	STAGE 3 PERFORATIONS			
09:30	WOLFCAMP A, ORIGINAL HOLE			17,583.0		17,584.3		6.0	3 1/8	STAGE 3 PERFORATIONS			
09:30	WOLFCAMP A, ORIGINAL HOLE			17,618.0		17,619.3		6.0	3 1/8	STAGE 3 PERFORATIONS			
09:30	WOLFCAMP A, ORIGINAL HOLE			17,650.0		17,651.3		6.0	3 1/8	STAGE 3 PERFORATIONS			
09:30	WOLFCAMP A, ORIGINAL HOLE			17,688.0		17,689.3		6.0	3 1/8	STAGE 3 PERFORATIONS			
Stimulations & Treatments													
STAGE 2 - HYDRAULIC FRAC on 6/10/2015 08:00													
Date 6/10/2015	Type HYDRAULIC FRAC			Zone WOLFCAMP A, ORIGINAL HOLE			Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC		Comment FRAC STAGE 2 OF 56				
P Pre SI (psi) 1,359.0	ISIP (psi) 2,796.0	P Post SI (psi) 2,561.0	5 min SI (psi) 2075	10 min SI (psi)	15 min SI (psi)	P Break (psi) 3,051.0	BD Rate (bbl/min) 10	Q Treat Min... 10	Q Treat Max... 83	Q Treat Avg... 73	Avg Treat Pr... 6,065.0	Proppant De... 245,000	Prop Placed... 245,364
Max Treat Pressure (psi) 7,052.0			Avg Treat Pressure (psi) 6,065.0			Max Treat Rate (bbl/min) 83			Avg Treat Rate (bbl/min) 73			V clean+slurry (bbl) 7309.00	
Total Add Amount 100 MESH WHITE BULK SAND 34528 lb; 40/70 WHITE BULK SAND 210836 lb; ACID 2016 GAL; BIO 15-G BIOCIDE 74 gal; CIA-5 6 GAL; IR-1 6 GAL; NE-1 2 GAL; SURFACTANT ROCK ON 420 gal; WFR-5 FRICTION REDUCER 159 gal													
STAGE 3 - HYDRAULIC FRAC on 6/10/2015 08:00													
Date 6/10/2015	Type HYDRAULIC FRAC			Zone WOLFCAMP A, ORIGINAL HOLE			Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC		Comment FRAC STAGE 3 OF 56				
P Pre SI (psi) 1,359.0	ISIP (psi) 2,623.0	P Post SI (psi) 2,520.0	5 min SI (psi) 1952	10 min SI (psi)	15 min SI (psi)	P Break (psi) 2,525.0	BD Rate (bbl/min) 10	Q Treat Min... 10	Q Treat Max... 80	Q Treat Avg... 73	Avg Treat Pr... 5,936.0	Proppant De... 245,000	Prop Placed... 245,316
Max Treat Pressure (psi) 6,869.0			Avg Treat Pressure (psi) 5,936.0			Max Treat Rate (bbl/min) 80			Avg Treat Rate (bbl/min) 73			V clean+slurry (bbl) 7212.00	
Total Add Amount 100 MESH WHITE BULK SAND 33835 lb; 40/70 WHITE BULK SAND 211481 lb; ACID 2016 GAL; BIO 15-G BIOCIDE 76 gal; CIA-5 6 GAL; IR-1 6 GAL; NE-1 2 GAL; SURFACTANT ROCK ON 438 gal; WFR-5 FRICTION REDUCER 162 gal													
STAGE 4 - HYDRAULIC FRAC on 6/10/2015 22:32													
Date 6/10/2015	Type HYDRAULIC FRAC			Zone WOLFCAMP A, ORIGINAL HOLE			Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC		Comment FRAC STAGE 4 OF 56				
P Pre SI (psi) 1,433.0	ISIP (psi) 2,543.0	P Post SI (psi) 2,113.0	5 min SI (psi) 2133	10 min SI (psi)	15 min SI (psi)	P Break (psi) 2,879.0	BD Rate (bbl/min) 10	Q Treat Min... 10	Q Treat Max... 81	Q Treat Avg... 74	Avg Treat Pr... 5,473.0	Proppant De... 245,000	Prop Placed... 242,683
Max Treat Pressure (psi) 6,066.0			Avg Treat Pressure (psi) 5,473.0			Max Treat Rate (bbl/min) 81			Avg Treat Rate (bbl/min) 74			V clean+slurry (bbl) 7018.00	
Total Add Amount 100 MESH WHITE BULK SAND 32228 lb; 40/70 WHITE BULK SAND 210455 lb; ACID 2016 GAL; BIO 15-G BIOCIDE 71 gal; CIA-5 3 GAL; IR-1 3 GAL; NE-1 2 GAL; SURFACTANT ROCK ON 424 gal; WFR-5 FRICTION REDUCER 153 gal													



UNIVERSITY 09 0921H
AEPB WELL NO. 54

Report Date	6/11/2015
AFE #	1420225
Total AFE	4,687,800

Stimulations & Treatments													
STAGE 5 - HYDRAULIC FRAC on 6/11/2015 00:00													
Date 6/11/2015	Type HYDRAULIC FRAC			Zone WOLFCAMP A, ORIGINAL HOLE			Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC			Comment FRAC STAGE 5 OF 56			
P Pre SI (psi) 1,546.0	ISIP (psi) 2,568.0	P Post SI (psi) 2,390.0	5 min SI (psi) 2023	10 min SI (psi)	15 min SI (psi)	P Break (psi) 2,360.0	BD Rate (bbl/min) 10	Q Treat Min... 10	Q Treat Max... 81	Q Treat Avg... 74	Avg Treat Pr... 5,527.0	Proppant De... 245,000	Prop Placed... 243,570
Max Treat Pressure (psi) 6,226.0			Avg Treat Pressure (psi) 5,527.0			Max Treat Rate (bbl/min) 81			Avg Treat Rate (bbl/min) 74			V clean+slurry (bbl) 6887.00	
Total Add Amount 100 MESH WHITE BULK SAND 34590 lb; 40/70 WHITE BULK SAND 208980 lb; ACID 2016 GAL; BIO 15-G BIOCID 68 gal; CIA-5 6 GAL; IR-1 6 GAL; NE-1 2 GAL; SURFACTANT ROCK ON 417 gal; WFR-5 FRICTION REDUCER 154 gal													



AMERICAN ENERGY - PERMIAN BASIN, LLC
Daily Completion Report

Report Date 6/12/2015
AFE # 1420225
Total AFE 4,687,800

UNIVERSITY 09 0921H
AEPB WELL NO. 54

API 42383389370000	State TEXAS	County REAGAN	Well Config HORIZONTAL	Ground Elevation (ft) 2,645.00	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 5/5/2015	End Date					
AFE Number 1420225		Supplemental AFE Number			Daily Field Est (Cost) 98,176		Cum Field Est (Cost) 496,425						
Number of Stages (ft) 56		Lateral Length (ft) 9,872			Time Since LTI (days)		Time Since Reportable Incident (days)						
Daily Contacts													
Contacts COMP SUP, CLAYTON BRUNTZ, LOOP; COMP SUPER, CODY O'KEEFE, LOOP; COMP SUP, EDDIE LEASURE, CRSCNT; CONSLTNT, JASON COLLINSWORTH, CRSCNT; COMP SUPVR, TOMMY GOFORTH, CRSCNT													
Daily Operations													
Operations Summary 0 EHS ISSUES; 2 HRS NPT TOTAL: .75 HRS: LEAK ON IRON, SWAP OUT RUBBER GASKET(UPP), 1.25 HRS SWAP OUT FLOWCROSS DUE TO LEAKING VALVE (TRI-STATE); 2 STAGES FRAC'D ON WELL; 6-7 OF 56 AND PERF'D STAGES 7-8 OF 56 ; FRAC'D 8 STAGES ON PAD WITH UPP CREW; 3-WELL ZIPPER FRAC WITH UNIVERSITY 09 0902H AND 0912H.													
Planned Operations FRAC MULTIPLE STAGES													
Time Log													
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Activity	Inactive?	Comments	Unschd Typ	NPT					
05:00	06:30	1.50	1.50	INACTIVE	Yes	WAITING ON SIMOPS							
06:30	07:15	0.75	2.25	DOWNTIME	No	W/O FRAC TO SWAP OUT RUBBER/IRON		Yes					
07:15	09:00	1.75	4.00	FRAC. JOB	No	FRAC STAGE 6 OF 56							
09:00	11:00	2.00	6.00	PERFORATING	No	PLUG AND PERF STAGE 7 OF 56							
11:00	17:00	6.00	12.00	INACTIVE	Yes	WAITING ON SIM-OPS							
17:00	18:15	1.25	13.25	DOWNTIME	No	SWAPING OUT PUMPDOWN WING OF FLOWCROSS DUE TO LEAKING VALVE		Yes					
18:15	20:00	1.75	15.00	GENERAL OPERATIONS	No	GREASE AND TORQUE FRAC STACK AND ZIPPEER							
20:00	22:00	2.00	17.00	FRAC. JOB	No	FRAC STAGE 7 OF 56							
22:00	00:15	2.25	19.25	PERFORATING	No	PLUG AND PERF STAGE 8 OF 56							
00:15	05:00	4.75	24.00	INACTIVE	Yes	WAITING ON SIM OPS							
NPT													
Type	SubTyp	Des			Start Date	End Date	Failed Item	Accountable Party	Dur (hr)				
SURFACE EQUIPMENT	FRAC IRON	LEAK ON IRON, SWAP OUT RUBBER GASKET			6/11/2015 06:30	6/11/2015 07:15		UNIVERSAL PRESSURE PUMPING INC	0.75				
SURFACE EQUIPMENT	WELLHEAD	SWAP OUT FLOWCROSS DUE TO LEAKING VALVE			6/11/2015 17:00	6/11/2015 18:15		TRI-STATE PRESSURE CONTROL	1.25				
Safety Checks													
Time	Type				Inspected By		Description						
05:01	SAFETY MEETING				CLAYTON BRUNTZ / JASON COLLINSWORTH/ TOMMY GOFORTH		PRE TOUR SAFETY MEETING						
17:00	SAFETY MEETING				CODY O'KEEFE / EDDIE LEASURE		PRE TOUR SAFETY MEETING						
Plug Details													
Des	Top (ftKB)	Btm (ftKB)	OD (in)	ID (in)	Run Date	Pull Date	Com						
FRAC PLUG	17,008.0	17,010.0	4.67		6/11/2015		PLUG STAGE 7						
FRAC PLUG	16,833.0	16,835.0	4.67		6/11/2015		PLUG STAGE 8						
Perforation Intervals													
Time	Zone	Top (ftKB)		Btm (ftKB)		Shot Dens (shots/ft)		Gun Size (in)	Com				
23:22	WOLFCAMP A, ORIGINAL HOLE	16,673.0		16,674.3		6.0		3 1/8	STAGE 8 PERFORATIONS				
23:22	WOLFCAMP A, ORIGINAL HOLE	16,708.0		16,709.3		6.0		3 1/8	STAGE 8 PERFORATIONS				
23:22	WOLFCAMP A, ORIGINAL HOLE	16,743.0		16,744.3		6.0		3 1/8	STAGE 8 PERFORATIONS				
23:22	WOLFCAMP A, ORIGINAL HOLE	16,788.0		16,789.3		6.0		3 1/8	STAGE 8 PERFORATIONS				
23:22	WOLFCAMP A, ORIGINAL HOLE	16,813.0		16,814.3		6.0		3 1/8	STAGE 8 PERFORATIONS				
10:00	WOLFCAMP A, ORIGINAL HOLE	16,848.0		16,849.3		6.0		3 1/8	STAGE 7 PERFORATIONS				
10:00	WOLFCAMP A, ORIGINAL HOLE	16,881.0		16,882.3		6.0		3 1/8	STAGE 7 PERFORATIONS				
10:00	WOLFCAMP A, ORIGINAL HOLE	16,918.0		16,919.3		6.0		3 1/8	STAGE 7 PERFORATIONS				
10:00	WOLFCAMP A, ORIGINAL HOLE	16,953.0		16,954.3		6.0		3 1/8	STAGE 7 PERFORATIONS				
10:00	WOLFCAMP A, ORIGINAL HOLE	16,988.0		16,989.3		6.0		3 1/8	STAGE 7 PERFORATIONS				
Stimulations & Treatments													
STAGE 6 - HYDRAULIC FRAC on 6/11/2015 09:00													
Date 6/11/2015	Type HYDRAULIC FRAC	Zone WOLFCAMP A, ORIGINAL HOLE			Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC		Comment FRAC STAGE 6 OF 56						
P Pre SI (psi) 1,905.0	ISIP (psi) 2,781.0	P Post SI (psi) 2,203.0	5 min SI (psi) 2172	10 min SI (psi)	15 min SI (psi)	P Break (psi) 3,528.0	BD Rate (bbl/min) 11	Q Treat Min... 11	Q Treat Max... 81	Q Treat Avg... 74	Avg Treat Pr... 5,656.0	Proppant De... 245,000	Prop Placed... 245,895
Max Treat Pressure (psi) 6,293.0			Avg Treat Pressure (psi) 5,656.0			Max Treat Rate (bbl/min) 81			Avg Treat Rate (bbl/min) 74			V clean+slurry (bbl) 7038.00	
Total Add Amount 100 MESH WHITE BULK SAND 34895 lb; 40/70 WHITE BULK SAND 210895 lb; ACID 2016 GAL; BIO 15-G BIOCIDE 67 gal; CIA-5 6 GAL; IR-1 6 GAL; NE-1 2 GAL; SURFACTANT ROCK ON 406 gal; WFR-5 FRICTION REDUCER 153 gal													
STAGE 7 - HYDRAULIC FRAC on 6/11/2015 22:00													
Date 6/11/2015	Type HYDRAULIC FRAC	Zone WOLFCAMP A, ORIGINAL HOLE			Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC		Comment FRAC STAGE 7 OF 56						
P Pre SI (psi) 1,360.0	ISIP (psi) 2,898.0	P Post SI (psi) 2,846.0	5 min SI (psi) 2065	10 min SI (psi)	15 min SI (psi)	P Break (psi) 4,650.0	BD Rate (bbl/min) 10	Q Treat Min... 10	Q Treat Max... 81	Q Treat Avg... 74	Avg Treat Pr... 5,476.0	Proppant De... 245,000	Prop Placed... 244,650
Max Treat Pressure (psi) 6,110.0			Avg Treat Pressure (psi) 5,476.0			Max Treat Rate (bbl/min) 81			Avg Treat Rate (bbl/min) 74			V clean+slurry (bbl) 6913.00	
Total Add Amount 100 MESH WHITE BULK SAND 34529 lb; 40/70 WHITE BULK SAND 210121 lb; ACID 2016 GAL; BIO 15-G BIOCIDE 71 gal; CIA-5 6 GAL; IR-1 6 GAL; NE-1 2 GAL; SURFACTANT ROCK ON 410 gal; WFR-5 FRICTION REDUCER 162 gal													



AMERICAN ENERGY
PARTNERS

AMERICAN ENERGY - PERMIAN BASIN, LLC
Daily Completion Report

UNIVERSITY 09 0921H
AEPB WELL NO. 54

Report Date 6/13/2015
AFE # 1420225
Total AFE 4,687,800

API 42383389370000	State TEXAS	County REAGAN	Well Config HORIZONTAL	Ground Elevation (ft) 2,645.00	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 5/5/2015		End Date					
AFE Number 1420225		Supplemental AFE Number		Daily Field Est (Cost) 98,794		Cum Field Est (Cost) 595,219							
Number of Stages (ft) 56		Lateral Length (ft) 9,872		Time Since LTI (days)		Time Since Reportable Incident (days)							
Daily Contacts													
Contacts COMP SUP, CLAYTON BRUNTZ, LOOP; COMP SUPER, CODY O'KEEFE, LOOP; COMP SUP, EDDIE LEASURE, CRSCNT; CONSLTNT, JASON COLLINSWORTH, CRSCNT; COMP SUPVR, TOMMY GOFORTH, CRSCNT													
Daily Operations													
Operations Summary 0 EHS ISSUES; 0 HRS NPT TOTAL: 2 STAGES FRAC'D ON WELL; 8-9 OF 56 AND PERF'D STAGES 9-10 OF 56 ; FRAC'D 7 STAGES ON PAD WITH UPP CREW; 3-WELL ZIPPER FRAC WITH UNIVERSITY 09 0902H AND 0912H.													
Planned Operations FRAC MULTIPLE STAGES													
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	INACTIVE	Yes	WAITING ON SIM-OPS							
06:15	07:45	1.50	2.75	FRAC. JOB	No	FRAC STAGE 8 OF 56							
07:45	09:45	2.00	4.75	PERFORATING	No	PLUG AND PERF STAGE 9 OF 56							
09:45	16:00	6.25	11.00	INACTIVE	Yes	WAITING ON SIMOPS							
16:00	17:45	1.75	12.75	FRAC. JOB	No	FRAC STAGE 9 OF 56							
17:45	22:45	5.00	17.75	INACTIVE	Yes	WAITING ON SIMOPS							
22:45	00:30	1.75	19.50	PERFORATING	No	PLUG AND PERF STAGE 10 OF 56							
00:30	01:15	0.75	20.25	GENERAL OPERATIONS	No	GREASE AND TORQUE FRAC STACK AND ZIPPER							
01:15	05:00	3.75	24.00	INACTIVE	Yes	WAITING ON SIM OPS							
Safety Checks													
Time		Type			Inspected By		Description						
05:01		SAFETY MEETING			CLAYTON BRUNTZ / JASON COLLINSWORTH/ TOMMY GOFORTH		PRE TOUR SAFETY MEETING						
17:00		SAFETY MEETING			CODY O'KEEFE / EDDIE LEASURE		PRE TOUR SAFETY MEETING						
Plug Details													
Des		Top (ftKB)	Btm (ftKB)	OD (in)	ID (in)	Run Date	Pull Date	Com					
FRAC PLUG		16,655.0	16,657.0	4.67		6/12/2015		PLUG STAGE 9					
FRAC PLUG		16,483.0	16,485.0	4.67		6/12/2015		PLUG STAGE 10					
Perforation Intervals													
Time	Zone		Top (ftKB)		Btm (ftKB)		Shot Dens (shots/ft)		Gun Size (in)		Com		
23:45	WOLFCAMP A, ORIGINAL HOLE		16,323.0		16,324.3		6.0		3 1/8		STAGE 10 PERFORATIONS		
23:45	WOLFCAMP A, ORIGINAL HOLE		16,358.0		16,359.3		6.0		3 1/8		STAGE 10 PERFORATIONS		
23:45	WOLFCAMP A, ORIGINAL HOLE		16,393.0		16,394.3		6.0		3 1/8		STAGE 10 PERFORATIONS		
23:45	WOLFCAMP A, ORIGINAL HOLE		16,428.0		16,429.3		6.0		3 1/8		STAGE 10 PERFORATIONS		
23:45	WOLFCAMP A, ORIGINAL HOLE		16,463.0		16,464.3		6.0		3 1/8		STAGE 10 PERFORATIONS		
09:00	WOLFCAMP A, ORIGINAL HOLE		16,498.0		16,499.3		6.0		3 1/8		STAGE 9 PERFORATIONS		
09:00	WOLFCAMP A, ORIGINAL HOLE		16,533.0		16,534.3		6.0		3 1/8		STAGE 9 PERFORATIONS		
09:00	WOLFCAMP A, ORIGINAL HOLE		16,565.0		16,566.3		6.0		3 1/8		STAGE 9 PERFORATIONS		
09:00	WOLFCAMP A, ORIGINAL HOLE		16,603.0		16,604.3		6.0		3 1/8		STAGE 9 PERFORATIONS		
09:00	WOLFCAMP A, ORIGINAL HOLE		16,638.0		16,639.3		6.0		3 1/8		STAGE 9 PERFORATIONS		
Stimulations & Treatments													
STAGE 8 - HYDRAULIC FRAC on 6/12/2015 07:45													
Date 6/12/2015	Type HYDRAULIC FRAC			Zone WOLFCAMP A, ORIGINAL HOLE			Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC		Comment FRAC STAGE 8 OF 56				
P Pre SI (psi) 1,454.0	ISIP (psi) 2,621.0	P Post SI (psi) 2,057.0	5 min SI (psi) 2028	10 min SI (psi)	15 min SI (psi)	P Break (psi) 2,850.0	BD Rate (bbl/min) 10	Q Treat Min... 10	Q Treat Max... 81	Q Treat Avg... 74	Avg Treat Pr... 5,492.0	Proppant De... 245,000	Prop Placed... 244,126
Max Treat Pressure (psi) 7,070.0			Avg Treat Pressure (psi) 5,492.0			Max Treat Rate (bbl/min) 81			Avg Treat Rate (bbl/min) 74			V clean+slurry (bbl) 5463.00	
Total Add Amount 100 MESH WHITE BULK SAND 33929 lb; 40/70 WHITE BULK SAND 210197 lb; ACID 2016 GAL; BIO 15-G BIOCIDE 67 gal; CIA-5 6 GAL; IR-1 6 GAL; NE-1 2 GAL; SURFACTANT ROCK ON 414 gal; WFR-5 FRICTION REDUCER 158 gal													
STAGE 9 - HYDRAULIC FRAC on 6/12/2015 17:45													
Date 6/12/2015	Type HYDRAULIC FRAC			Zone WOLFCAMP A, ORIGINAL HOLE			Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC		Comment FRAC STAGE 9 OF 56				
P Pre SI (psi) 1,476.0	ISIP (psi) 2,251.0	P Post SI (psi) 2,079.0	5 min SI (psi) 2086	10 min SI (psi)	15 min SI (psi)	P Break (psi) 2,462.0	BD Rate (bbl/min) 10	Q Treat Min... 10	Q Treat Max... 81	Q Treat Avg... 74	Avg Treat Pr... 5,456.0	Proppant De... 245,000	Prop Placed... 245,544
Max Treat Pressure (psi) 7,143.0			Avg Treat Pressure (psi) 5,456.0			Max Treat Rate (bbl/min) 81			Avg Treat Rate (bbl/min) 74			V clean+slurry (bbl) 5445.00	
Total Add Amount 100 MESH WHITE BULK SAND 31431 lb; 40/70 WHITE BULK SAND 214113 lb; ACID 2016 GAL; BIO 15-G BIOCIDE 69 gal; CIA-5 6 GAL; IR-1 6 GAL; NE-1 2 GAL; SURFACTANT ROCK ON 405 gal; WFR-5 FRICTION REDUCER 158 gal													



AMERICAN ENERGY - PERMIAN BASIN, LLC
Daily Completion Report

Report Date 6/14/2015
AFE # 1420225
Total AFE 4,687,800

UNIVERSITY 09 0921H
AEPB WELL NO. 54

API 42383389370000	State TEXAS	County REAGAN	Well Config HORIZONTAL	Ground Elevation (ft) 2,645.00	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 5/5/2015	End Date					
AFE Number 1420225		Supplemental AFE Number			Daily Field Est (Cost) 100,048		Cum Field Est (Cost) 695,267						
Number of Stages (ft) 56		Lateral Length (ft) 9,872			Time Since LTI (days)		Time Since Reportable Incident (days)						
Daily Contacts													
Contacts COMP SUP, CLAYTON BRUNTZ, LOOP; COMP SUPER, CODY O'KEEFE, LOOP; COMP SUP, EDDIE LEASURE, CRSCNT; CONSLTNT, JASON COLLINSWORTH, CRSCNT; COMP SUPVR, TOMMY GOFORTH, CRSCNT													
Daily Operations													
Operations Summary 0 EHS ISSUES: 2 HRS NPT; 2 STAGES FRAC'D ON WELL; 10-11 OF 56 AND PERF'D STAGES 11-12 OF 56 ; FRAC'D 9 STAGES ON PAD WITH UPP CREW; 3-WELL ZIPPER FRAC WITH UNIVERSITY 09 0902H AND 0912H; 2HR NPT SWAP OUT HYDRAULIC MOTOR ON SAND SCREW ON BLENDER.													
Planned Operations FRAC MULTIPLE STAGES													
Time Log													
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Activity	Inactive?	Comments		Unschd Typ	NPT				
05:00	13:30	8.50	8.50	INACTIVE	Yes	WAITING ON SIMOPS							
13:30	15:30	2.00	10.50	DOWNTIME	No	CHANGED OUT HYDRAULIC MOTOR ON SAND SCREW ON THE BLENDER			Yes				
15:30	17:15	1.75	12.25	FRAC. JOB	No	FRAC STAGE 10 OF 56							
17:15	19:00	1.75	14.00	PERFORATING	No	PLUG AND PERF STAGE 11 OF 56							
19:00	22:45	3.75	17.75	INACTIVE	Yes	WAITING ON SIM-OPS							
22:45	00:30	1.75	19.50	FRAC. JOB	No	FRAC STAGE 11 OF 56							
00:30	01:30	1.00	20.50	INACTIVE	Yes	WAITING ON SIM-OPS; SHUT DOWN FOR WEATHER							
01:30	03:30	2.00	22.50	PERFORATING	No	PLUG AND PERF STAGE 12 OF 56							
03:30	05:00	1.50	24.00	GENERAL OPERATIONS	No	GREASE AND TORQUE FRACSTACK AND ZIPPER							
NPT													
Typ		SubTyp		Des		Start Date	End Date	Failed Item	Accountable Party	Dur (hr)			
SURFACE EQUIPMENT		BLENDER		SAND SCREW MOTOR		6/13/2015 13:30	6/13/2015 15:30		UNIVERSAL PRESSURE PUMPING INC	2.00			
Safety Checks													
Time		Type			Inspected By			Description					
05:01		SAFETY MEETING			CLAYTON BRUNTZ / JASON COLLINSWORTH/ TOMMY GOFORTH			PRE TOUR SAFETY MEETING					
17:00		SAFETY MEETING			CODY O'KEEFE / EDDIE LEASURE			PRE TOUR SAFETY MEETING					
Plug Details													
Des		Top (ftKB)	Btm (ftKB)	OD (in)	ID (in)	Run Date	Pull Date	Com					
FRAC PLUG		16,308.0	16,310.0	4.67		6/13/2015		PLUG STAGE 11					
FRAC PLUG		16,133.0	16,135.0	4.67		6/14/2015		PLUG STAGE 12					
Perforation Intervals													
Time	Zone			Top (ftKB)		Btm (ftKB)		Shot Dens (shots/ft)		Gun Size (in)	Com		
02:45	WOLFCAMP A, ORIGINAL HOLE			15,973.0		15,974.3		6.0		3 1/8	STAGE 12 PERFORATIONS		
02:45	WOLFCAMP A, ORIGINAL HOLE			16,008.0		16,009.3		6.0		3 1/8	STAGE 12 PERFORATIONS		
02:45	WOLFCAMP A, ORIGINAL HOLE			16,043.0		16,044.3		6.0		3 1/8	STAGE 12 PERFORATIONS		
02:45	WOLFCAMP A, ORIGINAL HOLE			16,078.0		16,079.3		6.0		3 1/8	STAGE 12 PERFORATIONS		
02:45	WOLFCAMP A, ORIGINAL HOLE			16,113.0		16,114.3		6.0		3 1/8	STAGE 12 PERFORATIONS		
18:38	WOLFCAMP A, ORIGINAL HOLE			16,148.0		16,149.3		6.0		3 1/8	STAGE 11 PERFORATIONS		
18:38	WOLFCAMP A, ORIGINAL HOLE			16,183.0		16,184.3		6.0		3 1/8	STAGE 11 PERFORATIONS		
18:38	WOLFCAMP A, ORIGINAL HOLE			16,218.0		16,219.3		6.0		3 1/8	STAGE 11 PERFORATIONS		
18:38	WOLFCAMP A, ORIGINAL HOLE			16,248.0		16,249.3		6.0		3 1/8	STAGE 11 PERFORATIONS		
18:38	WOLFCAMP A, ORIGINAL HOLE			16,288.0		16,289.3		6.0		3 1/8	STAGE 11 PERFORATIONS		
Stimulations & Treatments													
STAGE 10 - HYDRAULIC FRAC on 6/13/2015 17:08													
Date 6/13/2015	Type HYDRAULIC FRAC			Zone WOLFCAMP A, ORIGINAL HOLE			Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC		Comment FRAC STAGE 10 OF 56				
P Pre SI (psi) 1,605.0	ISIP (psi) 3,275.0	P Post SI (psi) 3,185.0	5 min SI (psi) 2275	10 min SI (psi)	15 min SI (psi)	P Break (psi) 2,601.0	BD Rate (bbl/min) 10	Q Treat Min... 10	Q Treat Max... 81	Q Treat Avg... 72	Avg Treat Pr... 5,372.0	Proppant De... 245,000	Prop Placed... 246,250
Max Treat Pressure (psi) 7,199.0			Avg Treat Pressure (psi) 5,372.0			Max Treat Rate (bbl/min) 81			Avg Treat Rate (bbl/min) 72			V clean+slurry (bbl) 5448.00	
Total Add Amount 100 MESH WHITE BULK SAND 32019 lb; 40/70 WHITE BULK SAND 214231 lb; ACID 2016 GAL; BIO 15-G BIOCIDE 70 gal; CIA-5 6 GAL; IR-1 6 GAL; NE-1 2 GAL; SURFACTANT ROCK ON 390 gal; WFR-5 FRICTION REDUCER 191 gal													
STAGE 11 - HYDRAULIC FRAC on 6/14/2015 00:45													
Date 6/14/2015	Type HYDRAULIC FRAC			Zone WOLFCAMP A, ORIGINAL HOLE			Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC		Comment FRAC STAGE 11 OF 56				
P Pre SI (psi) 1,623.0	ISIP (psi) 2,584.0	P Post SI (psi) 2,393.0	5 min SI (psi) 1631	10 min SI (psi)	15 min SI (psi)	P Break (psi) 4,734.0	BD Rate (bbl/min) 11	Q Treat Min... 11	Q Treat Max... 81	Q Treat Avg... 74	Avg Treat Pr... 5,247.0	Proppant De... 245,000	Prop Placed... 244,675
Max Treat Pressure (psi) 5,760.0			Avg Treat Pressure (psi) 5,247.0			Max Treat Rate (bbl/min) 81			Avg Treat Rate (bbl/min) 74			V clean+slurry (bbl) 5391.00	
Total Add Amount 100 MESH WHITE BULK SAND 34123 lb; 40/70 WHITE BULK SAND 210552 lb; ACID 2016 GAL; BIO 15-G BIOCIDE 74 gal; CIA-5 6 GAL; IR-1 6 GAL; NE-1 2 GAL; SURFACTANT ROCK ON 463 gal; WFR-5 FRICTION REDUCER 175 gal													



AMERICAN ENERGY
PARTNERS

AMERICAN ENERGY - PERMIAN BASIN, LLC
Daily Completion Report

UNIVERSITY 09 0921H
AEPB WELL NO. 54

Report Date 6/15/2015
AFE # 1420225
Total AFE 4,687,800

API 42383389370000	State TEXAS	County REAGAN	Well Config HORIZONTAL	Ground Elevation (ft) 2,645.00	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 5/5/2015	End Date		
AFE Number 1420225		Supplemental AFE Number			Daily Field Est (Cost) 98,783		Cum Field Est (Cost) 801,660			
Number of Stages (ft) 56		Lateral Length (ft) 9,872			Time Since LTI (days)		Time Since Reportable Incident (days)			
Daily Contacts										
Contacts COMP SUP, CLAYTON BRUNTZ, LOOP; COMP SUPER, CODY O'KEEFE, LOOP; COMP SUP, EDDIE LEASURE, CRSCNT; CONSLTNT, JASON COLLINSWORTH, CRSCNT; COMP SUPVR, TOMMY GOFORTH, CRSCNT										
Daily Operations										
Operations Summary 0 EHS ISSUES: 5 HRS NPT DUE TO LIGHTNING TOTAL: 2 STAGES FRAC'D ON WELL; 12-13 OF 56 AND PERF'D STAGES 13-14 OF 56 ; FRAC'D 7 STAGES ON PAD WITH UPP CREW; 3-WELL ZIPPER FRAC WITH UNIVERSITY 09 0902H AND 0912H.										
Planned Operations FRAC MULTIPLE STAGES										
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	INACTIVE	Yes	WAITING ON SIMOPS				
08:00	10:15	2.25	5.25	FRAC. JOB	No	FRAC STAGE 12 OF 56				
10:15	12:15	2.00	7.25	PERFORATING	No	PLUG AND PERF STAGE 13 OF 56				
12:15	17:30	5.25	12.50	INACTIVE	Yes	WAITING ON SIM-OPS				
17:30	19:30	2.00	14.50	FRAC. JOB	No	FRAC STAGE 13 OF 56				
19:30	21:45	2.25	16.75	INACTIVE	Yes	WAITING ON SIM-OPS				
21:45	00:00	2.25	19.00	PERFORATING	No	PLUG AND PERF STAGE 14 OF 56				
00:00	05:00	5.00	24.00	DOWNTIME	No	DOWN DUE TO LIGHTNING	ENVIRONMENT	Yes		
NPT										
Typ		SubTyp	Des		Start Date	End Date	Failed Item	Accountable Party		
OTHER		WEATHER	LIGHTING		6/15/2015 00:00	6/15/2015 05:00		AMERICAN ENERGY PERMIAN BASIN		
Dur (hr)										
5.00										
Safety Checks										
Time		Type			Inspected By		Description			
05:01		SAFETY MEETING			CLAYTON BRUNTZ / JASON COLLINSWORTH/ TOMMY GOFORTH		PRE TOUR SAFETY MEETING			
17:00		SAFETY MEETING			CODY O'KEEFE / EDDIE LEASURE		PRE TOUR SAFETY MEETING			
Plug Details										
Des		Top (ftKB)	Btm (ftKB)	OD (in)	ID (in)	Run Date	Pull Date	Com		
FRAC PLUG		15,958.0	15,960.0	4.67		6/14/2015		PLUG STAGE 13		
FRAC PLUG		15,784.0	15,786.0	4.67		6/14/2015		PLUG STAGE 14		
Perforation Intervals										
Time	Zone			Top (ftKB)		Btm (ftKB)		Shot Dens (shots/ft)	Gun Size (in)	Com
20:15	WOLFCAMP A, ORIGINAL HOLE			15,623.0		15,624.3		6.0	3 1/8	STAGE 14 PERFORATIONS
20:15	WOLFCAMP A, ORIGINAL HOLE			15,658.0		15,659.3		6.0	3 1/8	STAGE 14 PERFORATIONS
20:15	WOLFCAMP A, ORIGINAL HOLE			15,693.0		15,694.3		6.0	3 1/8	STAGE 14 PERFORATIONS
20:15	WOLFCAMP A, ORIGINAL HOLE			15,728.0		15,729.3		6.0	3 1/8	STAGE 14 PERFORATIONS
20:15	WOLFCAMP A, ORIGINAL HOLE			15,763.0		15,764.3		6.0	3 1/8	STAGE 14 PERFORATIONS
11:30	WOLFCAMP A, ORIGINAL HOLE			15,798.0		15,799.3		6.0	3 1/8	STAGE 13 PERFORATIONS
11:30	WOLFCAMP A, ORIGINAL HOLE			15,833.0		15,834.3		6.0	3 1/8	STAGE 13 PERFORATIONS
11:30	WOLFCAMP A, ORIGINAL HOLE			15,868.0		15,869.3		6.0	3 1/8	STAGE 13 PERFORATIONS
11:30	WOLFCAMP A, ORIGINAL HOLE			15,903.0		15,904.3		6.0	3 1/8	STAGE 13 PERFORATIONS
11:30	WOLFCAMP A, ORIGINAL HOLE			15,932.0		15,933.3		6.0	3 1/8	STAGE 13 PERFORATIONS
Stimulations & Treatments										
STAGE 12 - HYDRAULIC FRAC on 6/14/2015 10:15										
Date 6/14/2015	Type HYDRAULIC FRAC				Zone WOLFCAMP A, ORIGINAL HOLE			Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC		Comment FRAC STAGE 12 OF 56
P Pre SI (psi) 1,534.0	ISIP (psi) 2,850.0	P Post SI (psi) 2,850.0	5 min SI (psi) 2380	10 min SI (psi)	15 min SI (psi)	P Break (psi) 4,268.0	BD Rate (bbl/min) 10	Q Treat Min... 10	Q Treat Max... 81	Q Treat Avg... 73
Avg Treat Pressure (psi) 7,154.0			Max Treat Rate (bbl/min) 81			Avg Treat Rate (bbl/min) 73			V clean+slurry (bbl) 5531.00	
Total Add Amount 100 MESH WHITE BULK SAND 34000 lb; 40/70 WHITE BULK SAND 211000 lb; ACID 2016 GAL; BIO 15-G BIOCIDE 80 gal; CIA-5 6 GAL; IR-1 6 GAL; NE-1 2 GAL; SURFACTANT ROCK ON 459 gal; WFR-5 FRICTION REDUCER 175 gal										
STAGE 13 - HYDRAULIC FRAC on 6/14/2015 19:18										
Date 6/14/2015	Type HYDRAULIC FRAC				Zone WOLFCAMP A, ORIGINAL HOLE			Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC		Comment FRAC STAGE 13 OF 56
P Pre SI (psi) 1,519.0	ISIP (psi) 2,225.0	P Post SI (psi) 2,061.0	5 min SI (psi) 2051	10 min SI (psi)	15 min SI (psi)	P Break (psi) 2,722.0	BD Rate (bbl/min) 10	Q Treat Min... 10	Q Treat Max... 81	Q Treat Avg... 74
Avg Treat Pressure (psi) 5,905.0			Max Treat Rate (bbl/min) 81			Avg Treat Rate (bbl/min) 74			V clean+slurry (bbl) 5414.00	
Total Add Amount 100 MESH WHITE BULK SAND 34865 lb; 40/70 WHITE BULK SAND 215492 lb; ACID 2016 GAL; BIO 15-G BIOCIDE 57 gal; CIA-5 6 GAL; IR-1 6 GAL; NE-1 2 GAL; SURFACTANT ROCK ON 406 gal; WFR-5 FRICTION REDUCER 152 gal										



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

UNIVERSITY 09 0921H
AEPB WELL NO. 54

Report Date 6/16/2015
AFE # 1420225
Total AFE 4,687,800

API 42383389370000	State TEXAS	County REAGAN	Well Config HORIZONTAL	Ground Elevation (ft) 2,645.00	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 5/5/2015	End Date
AFE Number 1420225		Supplemental AFE Number			Daily Field Est (Cost) 140,584		Cum Field Est (Cost) 944,097	
Number of Stages (ft) 56		Lateral Length (ft) 9,872			Time Since LTI (days)		Time Since Reportable Incident (days)	
Daily Contacts								
Contacts COMP SUP, CLAYTON BRUNTZ, LOOP; COMP SUPER, CODY O'KEEFE, LOOP; COMP SUP, EDDIE LEASURE, CRSCNT; CONSLTNT, JASON COLLINSWORTH, CRSCNT; COMP SUPVR, TOMMY GOFORTH, CRSCNT								
Daily Operations								
Operations Summary 0 EHS ISSUES: 2 HRS NPT DUE TO LIGHTNING TOTAL: 3 STAGES FRAC'D ON WELL; 14-16 OF 56 AND PERF'D STAGES 15-17 OF 56 ; FRAC'D 8 STAGES ON PAD WITH UPP CREW; 3-WELL ZIPPER FRAC WITH UNIVERSITY 09 0902H AND 0912H.								
Planned Operations FRAC MULTIPLE STAGES								
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	DOWNTIME	No	WEATHER DELAY DUE TO LIGHTNING		Yes
07:00	09:15	2.25	4.25	FRAC. JOB	No	FRAC STAGE 14 OF 56		
09:15	11:15	2.00	6.25	PERFORATING	No	PLUG AND PERF STAGE 15 OF 56		
11:15	16:30	5.25	11.50	INACTIVE	Yes	WAITING ON SIM OPS		
16:30	18:15	1.75	13.25	FRAC. JOB	No	FRAC STAGE 15 OF 56		
18:15	20:15	2.00	15.25	PERFORATING	No	PLUG AND PERF STAGE 16 OF 56		
20:15	23:00	2.75	18.00	INACTIVE	Yes	WAITING ON SIM-OPS		
23:00	00:45	1.75	19.75	FRAC. JOB	No	FRAC STAGE 16 OF 56		
00:45	03:00	2.25	22.00	PERFORATING	No	REHEAD; PLUG AND PERF STAGE 17 OF 56		
03:00	05:00	2.00	24.00	INACTIVE	Yes	WAITING ON SIM OPS		
NPT								
Typ		SubTyp		Des		Start Date	End Date	Dur (hr)
OTHER		WEATHER		LIGHTING		6/15/2015 05:00	6/15/2015 07:00	2.00
Safety Checks								
Time		Type			Inspected By		Description	
05:01		SAFETY MEETING			CLAYTON BRUNTZ / JASON COLLINSWORTH/ TOMMY GOFORTH		PRE TOUR SAFETY MEETING	
17:00		SAFETY MEETING			CODY O'KEEFE / EDDIE LEASURE		PRE TOUR SAFETY MEETING	
Plug Details								
Des		Top (ftKB)	Btm (ftKB)	OD (in)	ID (in)	Run Date	Pull Date	Com
FRAC PLUG		15,608.0	15,610.0	4.67		6/15/2015		PLUG STAGE 15
FRAC PLUG		15,433.0	15,435.0	4.67		6/15/2015		PLUG STAGE 16
FRAC PLUG		15,258.0	15,260.0	4.67		6/16/2015		PLUG STAGE 17
Perforation Intervals								
Time	Zone			Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Gun Size (in)	Com
02:23	WOLFCAMP A, ORIGINAL HOLE			15,096.0	15,097.3	6.0	3 1/8	STAGE 17 PERFORATIONS
02:23	WOLFCAMP A, ORIGINAL HOLE			15,133.0	15,134.3	6.0	3 1/8	STAGE 17 PERFORATIONS
02:23	WOLFCAMP A, ORIGINAL HOLE			15,168.0	15,169.3	6.0	3 1/8	STAGE 17 PERFORATIONS
02:23	WOLFCAMP A, ORIGINAL HOLE			15,203.0	15,204.3	6.0	3 1/8	STAGE 17 PERFORATIONS
02:23	WOLFCAMP A, ORIGINAL HOLE			15,232.0	15,233.3	6.0	3 1/8	STAGE 17 PERFORATIONS
19:15	WOLFCAMP A, ORIGINAL HOLE			15,273.0	15,274.3	6.0	3 1/8	STAGE 16 PERFORATIONS
19:15	WOLFCAMP A, ORIGINAL HOLE			15,308.0	15,309.3	6.0	3 1/8	STAGE 16 PERFORATIONS
19:15	WOLFCAMP A, ORIGINAL HOLE			15,343.0	15,344.3	6.0	3 1/8	STAGE 16 PERFORATIONS
19:15	WOLFCAMP A, ORIGINAL HOLE			15,378.0	15,379.3	6.0	3 1/8	STAGE 16 PERFORATIONS
19:15	WOLFCAMP A, ORIGINAL HOLE			15,413.0	15,414.3	6.0	3 1/8	STAGE 16 PERFORATIONS
10:25	WOLFCAMP A, ORIGINAL HOLE			15,448.0	15,449.3	6.0	3 1/8	STAGE 15 PERFORATIONS
10:25	WOLFCAMP A, ORIGINAL HOLE			15,483.0	15,484.3	6.0	3 1/8	STAGE 15 PERFORATIONS
10:25	WOLFCAMP A, ORIGINAL HOLE			15,518.0	15,519.3	6.0	3 1/8	STAGE 15 PERFORATIONS
10:25	WOLFCAMP A, ORIGINAL HOLE			15,548.0	15,549.3	6.0	3 1/8	STAGE 15 PERFORATIONS
10:25	WOLFCAMP A, ORIGINAL HOLE			15,588.0	15,589.3	6.0	3 1/8	STAGE 15 PERFORATIONS
Stimulations & Treatments								
STAGE 14 - HYDRAULIC FRAC on 6/15/2015 09:15								
Date 6/15/2015	Type HYDRAULIC FRAC			Zone WOLFCAMP A, ORIGINAL HOLE		Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC		Comment FRAC STAGE 14 OF 56
P Pre SI (psi) 1,409.0	ISIP (psi) 2,775.0	P Post SI (psi) 2,283.0	5 min SI (psi) 2113	10 min SI (psi)	15 min SI (psi)	P Break (psi) 2,884.0	BD Rate (bbl... 10	Q Treat Min... 10
Q Treat Max... 81		Q Treat Avg... 74	Avg Treat Pr... 5,378.0	Proppant De... 245,000	Prop Placed... 246,844			
Max Treat Pressure (psi) 7,306.0			Avg Treat Pressure (psi) 5,378.0		Max Treat Rate (bbl/min)		Avg Treat Rate (bbl/min) 81	
							74	
							5479.00	
Total Add Amount 100 MESH WHITE BULK SAND 32167 lb; 40/70 WHITE BULK SAND 214677 lb; ACID 2016 GAL; BIO 15-G BIOCIDE 65 gal; CIA-5 6 GAL; IR-1 6 GAL; NE-1 2 GAL; SURFACTANT ROCK ON 424 gal; WFR-5 FRICTION REDUCER 169 gal								
STAGE 15 - HYDRAULIC FRAC on 6/15/2015 18:15								
Date 6/15/2015	Type HYDRAULIC FRAC			Zone WOLFCAMP A, ORIGINAL HOLE		Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC		Comment FRAC STAGE 15 OF 56
P Pre SI (psi) 1,490.0	ISIP (psi) 2,328.0	P Post SI (psi) 2,090.0	5 min SI (psi) 1990	10 min SI (psi)	15 min SI (psi)	P Break (psi) 4,276.0	BD Rate (bbl... 10	Q Treat Min... 10
Q Treat Max... 80		Q Treat Avg... 73	Avg Treat Pr... 5,085.0	Proppant De... 245,000	Prop Placed... 245,347			
Max Treat Pressure (psi) 5,686.0			Avg Treat Pressure (psi) 5,085.0		Max Treat Rate (bbl/min)		Avg Treat Rate (bbl/min) 80	
							73	
							5294.00	
Total Add Amount 100 MESH WHITE BULK SAND 31793 lb; 40/70 WHITE BULK SAND 213554 lb; ACID 2016 GAL; BIO 15-G BIOCIDE 70 gal; CIA-5 6 GAL; IR-1 6 GAL; NE-1 2 GAL; SURFACTANT ROCK ON 416 gal; WFR-5 FRICTION REDUCER 161 gal								
STAGE 16 - HYDRAULIC FRAC on 6/16/2015 00:45								
Date 6/16/2015	Type HYDRAULIC FRAC			Zone WOLFCAMP A, ORIGINAL HOLE		Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC		Comment FRAC STAGE 16 OF 56
P Pre SI (psi) 1,577.0	ISIP (psi) 2,626.0	P Post SI (psi) 2,267.0	5 min SI (psi) 2163	10 min SI (psi)	15 min SI (psi)	P Break (psi) 4,192.0	BD Rate (bbl... 11	Q Treat Min... 11
Q Treat Max... 79		Q Treat Avg... 73	Avg Treat Pr... 5,083.0	Proppant De... 245,000	Prop Placed... 241,311			
Max Treat Pressure (psi) 5,567.0			Avg Treat Pressure (psi) 5,083.0		Max Treat Rate (bbl/min)		Avg Treat Rate (bbl/min) 79	
							73	
							5354.00	
Total Add Amount 100 MESH WHITE BULK SAND 32011 lb; 40/70 WHITE BULK SAND 209300 lb; ACID 2016 GAL; BIO 15-G BIOCIDE 70 gal; CIA-5 6 GAL; IR-1 6 GAL; NE-1 2 GAL; SURFACTANT ROCK ON 402 gal; WFR-5 FRICTION REDUCER 166 gal								



AMERICAN ENERGY
PARTNERS

AMERICAN ENERGY - PERMIAN BASIN, LLC
Daily Completion Report

UNIVERSITY 09 0921H
AEPB WELL NO. 54

Report Date 6/17/2015
AFE # 1420225
Total AFE 4,687,800

API 42383389370000	State TEXAS	County REAGAN	Well Config HORIZONTAL	Ground Elevation (ft) 2,645.00	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 5/5/2015	End Date					
AFE Number 1420225		Supplemental AFE Number			Daily Field Est (Cost) 140,079		Cum Field Est (Cost) 1,085,980						
Number of Stages (ft) 56		Lateral Length (ft) 9,872			Time Since LTI (days)		Time Since Reportable Incident (days)						
Daily Contacts													
Contacts COMP SUPER, JIMMY MOORE, LOOP; COMP SUP, JUSTIN STRINGER, LOOP; COMP SUPT, DAVID MAGOUIRK, CRSCNT; COMP SUPVR, TOMMY GOFORTH, CRSCNT													
Daily Operations													
Operations Summary 0 EHS ISSUES: 0 HRS NPT: 3 STAGES FRAC'D ON WELL; 17-19 OF 56 AND PERF'D STAGES 18-20 OF 56 ; FRAC'D 9 STAGES ON PAD WITH UPP CREW; 3-WELL ZIPPER FRAC WITH UNIVERSITY 09 0902H AND 0912H. NO PUMPING OR WIRELINE ISSUES.													
Planned Operations FRAC MULTIPLE STAGES													
Time Log													
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Activity	Inactive?	Comments		Unschd Typ	NPT				
05:00	05:30	0.50	0.50	INACTIVE	Yes	WAITING ON SIMOPS							
05:30	07:15	1.75	2.25	FRAC. JOB	No	FRAC STAGE 17							
07:15	08:45	1.50	3.75	PERFORATING	No	PLUG/PERF STAGE 18							
08:45	09:45	1.00	4.75	GENERAL OPERATIONS	No	GREASE FRAC STACK AND ZIP MANIFOLD							
09:45	16:30	6.75	11.50	INACTIVE	No	WAIT ON SIMOPS. 2 HRS NPT CHARGED TO #912							
16:30	18:30	2.00	13.50	FRAC. JOB	No	FRAC STAGE 18							
18:30	20:15	1.75	15.25	PERFORATING	No	PLUG/PERF STAGE 19							
20:15	23:00	2.75	18.00	INACTIVE	No	WAITING ON SIMOPS							
23:00	01:15	2.25	20.25	FRAC. JOB	No	FRAC STAGE 19							
01:15	03:45	2.50	22.75	PERFORATING	No	RE-HEAD, LD LUBRICATOR & REPLACE RUBBERS IN GREASE HEAD. PLUG/PERF STAGE 20.							
03:45	05:00	1.25	24.00	INACTIVE	No	WAITING ON SIMOPS							
Safety Checks													
Time		Type			Inspected By		Description						
05:01		SAFETY MEETING			JUSTIN STRINGER / JIMMY MOORE		PRE TOUR SAFETY MEETING						
17:00		SAFETY MEETING			DAVID MAGOUIRK / TOMMY GOFORTH		PRE TOUR SAFETY MEETING						
Plug Details													
Des		Top (ftKB)	Btm (ftKB)	OD (in)	ID (in)	Run Date	Pull Date	Com					
FRAC PLUG		15,083.0	15,085.0	4.67		6/16/2015		PLUG STAGE 18					
FRAC PLUG		14,908.0	14,910.0	4.67		6/16/2015		PLUG STAGE 19					
FRAC PLUG		14,733.0	14,735.0	4.67		6/17/2015		PLUG STAGE 20					
Perforation Intervals													
Time	Zone		Top (ftKB)		Btm (ftKB)		Shot Dens (shots/ft)		Gun Size (in)	Com			
02:51	WOLFCAMP A, ORIGINAL HOLE		14,573.0		14,574.3		6.0		3 1/8	STAGE 20 PERFORATIONS			
02:51	WOLFCAMP A, ORIGINAL HOLE		14,608.0		14,609.3		6.0		3 1/8	STAGE 20 PERFORATIONS			
02:51	WOLFCAMP A, ORIGINAL HOLE		14,643.0		14,644.3		6.0		3 1/8	STAGE 20 PERFORATIONS			
02:51	WOLFCAMP A, ORIGINAL HOLE		14,678.0		14,679.3		6.0		3 1/8	STAGE 20 PERFORATIONS			
02:51	WOLFCAMP A, ORIGINAL HOLE		14,713.0		14,714.3		6.0		3 1/8	STAGE 20 PERFORATIONS			
19:37	WOLFCAMP A, ORIGINAL HOLE		14,748.0		14,749.3		6.0		3 1/8	STAGE 19 PERFORATIONS			
19:37	WOLFCAMP A, ORIGINAL HOLE		14,779.0		14,780.3		6.0		3 1/8	STAGE 19 PERFORATIONS			
19:37	WOLFCAMP A, ORIGINAL HOLE		14,818.0		14,819.3		6.0		3 1/8	STAGE 19 PERFORATIONS			
19:37	WOLFCAMP A, ORIGINAL HOLE		14,853.0		14,854.3		6.0		3 1/8	STAGE 19 PERFORATIONS			
19:37	WOLFCAMP A, ORIGINAL HOLE		14,888.0		14,889.3		6.0		3 1/8	STAGE 19 PERFORATIONS			
08:00	WOLFCAMP A, ORIGINAL HOLE		14,925.0		14,926.3		6.0		3 1/8	STAGE 18 PERFORATIONS			
08:00	WOLFCAMP A, ORIGINAL HOLE		14,958.0		14,959.3		6.0		3 1/8	STAGE 18 PERFORATIONS			
08:00	WOLFCAMP A, ORIGINAL HOLE		14,993.0		14,994.3		6.0		3 1/8	STAGE 18 PERFORATIONS			
08:00	WOLFCAMP A, ORIGINAL HOLE		15,028.0		15,029.3		6.0		3 1/8	STAGE 18 PERFORATIONS			
08:00	WOLFCAMP A, ORIGINAL HOLE		15,063.0		15,064.3		6.0		3 1/8	STAGE 18 PERFORATIONS			
Stimulations & Treatments													
STAGE 17 - HYDRAULIC FRAC on 6/16/2015 07:12													
Date 6/16/2015	Type HYDRAULIC FRAC			Zone WOLFCAMP A, ORIGINAL HOLE		Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC		Comment FRAC STAGE 17 OF 56					
P Pre SI (psi) 1,614.0	ISIP (psi) 2,737.0	P Post SI (psi) 2,173.0	5 min SI (psi) 2243	10 min SI (psi)	15 min SI (psi)	P Break (psi) 4,048.0	BD Rate (bbl/min) 10	Q Treat Min... 11	Q Treat Max... 81	Q Treat Avg... 74	Avg Treat Pr... 5,320.0	Proppant De... 245,000	Prop Placed... 247,416
Max Treat Pressure (psi)		Avg Treat Pressure (psi)			Max Treat Rate (bbl/min)			Avg Treat Rate (bbl/min)		V clean+slurry (bbl)			
		7,079.0			5,320.0			81		74		5075.00	
Total Add Amount 100 MESH WHITE BULK SAND 32011 lb; 40/70 WHITE BULK SAND 209300 lb; ACID 2016 GAL; BIO 15-G BIOCID 70 gal; CIA-5 6 GAL; IR-1 6 GAL; NE-1 2 GAL; SURFACTANT ROCK ON 402 gal; WFR-5 FRICTION REDUCER 166 gal													
STAGE 18 - HYDRAULIC FRAC on 6/16/2015 18:24													
Date 6/16/2015	Type HYDRAULIC FRAC			Zone WOLFCAMP A, ORIGINAL HOLE		Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC		Comment FRAC STAGE 18 OF 56					
P Pre SI (psi) 1,508.0	ISIP (psi) 2,240.0	P Post SI (psi) 2,109.0	5 min SI (psi) 2081	10 min SI (psi)	15 min SI (psi)	P Break (psi) 2,735.0	BD Rate (bbl/min) 10	Q Treat Min... 11	Q Treat Max... 81	Q Treat Avg... 74	Avg Treat Pr... 5,139.0	Proppant De... 245,000	Prop Placed... 246,427
Max Treat Pressure (psi)		Avg Treat Pressure (psi)			Max Treat Rate (bbl/min)			Avg Treat Rate (bbl/min)		V clean+slurry (bbl)			
		5,723.0			5,139.0			81		74		5359.00	
Total Add Amount 100 MESH WHITE BULK SAND 32061 lb; 40/70 WHITE BULK SAND 214366 lb; ACID 2016 GAL; BIO 15-G BIOCID 61 gal; CIA-5 6 GAL; IR-1 6 GAL; NE-1 2 GAL; SURFACTANT ROCK ON 407 gal; WFR-5 FRICTION REDUCER 149 gal													
STAGE 19 - HYDRAULIC FRAC on 6/16/2015 18:24													
Date 6/16/2015	Type HYDRAULIC FRAC			Zone WOLFCAMP A, ORIGINAL HOLE		Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC		Comment FRAC STAGE 19 OF 56					
P Pre SI (psi) 1,620.0	ISIP (psi) 2,611.0	P Post SI (psi) 2,392.0	5 min SI (psi) 2170	10 min SI (psi)	15 min SI (psi)	P Break (psi) 2,970.0	BD Rate (bbl/min) 10	Q Treat Min... 10	Q Treat Max... 80	Q Treat Avg... 73	Avg Treat Pr... 5,228.0	Proppant De... 245,000	Prop Placed... 242,393
Max Treat Pressure (psi)		Avg Treat Pressure (psi)			Max Treat Rate (bbl/min)			Avg Treat Rate (bbl/min)		V clean+slurry (bbl)			
		5,735.0			5,228.0			80		73		6776.00	
Total Add Amount 100 MESH WHITE BULK SAND 32101 lb; 40/70 WHITE BULK SAND 210292 lb; ACID 2016 GAL; BIO 15-G BIOCID 67 gal; CIA-5 6 GAL; IR-1 6 GAL; NE-1 2 GAL; SURFACTANT ROCK ON 402 gal; WFR-5 FRICTION REDUCER 153 gal													



AMERICAN ENERGY - PERMIAN BASIN, LLC
Daily Completion Report

Report Date 6/18/2015
AFE # 1420225
Total AFE 4,687,800

AMERICAN ENERGY
PARTNERS

UNIVERSITY 09 0921H
AEPB WELL NO. 54

API 42383389370000	State TEXAS	County REAGAN	Well Config HORIZONTAL	Ground Elevation (ft) 2,645.00	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 5/5/2015	End Date																		
AFE Number 1420225			Supplemental AFE Number			Daily Field Est (Cost) 118,883		Cum Field Est (Cost) 1,207,912																			
Number of Stages (ft) 56			Lateral Length (ft) 9,872			Time Since LTI (days)		Time Since Reportable Incident (days)																			
Daily Contacts																											
Contacts COMP SUPER, JIMMY MOORE, LOOP; COMP SUP, JUSTIN STRINGER, LOOP; COMP SUPT, DAVID MAGOUIRK, CRSCNT; COMP SUPVR, TOMMY GOFORTH, CRSCNT																											
Daily Operations																											
Operations Summary 0 EHS ISSUES: 1 HRS NPT: 3 STAGES FRAC'D ON WELL; 20-22 OF 56 AND PERF'D STAGES 21-23 OF 56 ; FRAC'D 9 STAGES ON PAD WITH UPP CREW; 3-WELL ZIPPER FRAC WITH UNIVERSITY 09 0902H AND 0912H. NO PUMPING OR WIRELINE ISSUES. NPT DUE TO UPP PUTTING IN PUMP.																											
Planned Operations FRAC MULTIPLE STAGES																											
Time Log																											
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Activity	Inactive?	Comments		Unschd Typ	NPT																		
05:00	06:30	1.50	1.50	INACTIVE	Yes	WAITING ON SIMOPS																					
06:30	08:00	1.50	3.00	FRAC. JOB	No	FRAC STAGE #20																					
08:00	09:15	1.25	4.25	PERFORATING	No	PLUG/PERF STAGE 21																					
09:15	14:00	4.75	9.00	INACTIVE	Yes	WAITING ON SIMOPS. .75 HRS NPT CHARGED TO #902																					
14:00	15:00	1.00	10.00	GENERAL OPERATIONS	No	GREASE FRAC STACK AND ZIP MANIFOLD.																					
15:00	16:30	1.50	11.50	FRAC. JOB	No	FRAC STAGE 21																					
16:30	18:30	2.00	13.50	PERFORATING	No	PLUG/PERF STAGE 22																					
18:30	21:30	3.00	16.50	INACTIVE	Yes	WAITING ON SIM OPS																					
21:30	22:30	1.00	17.50	DOWNTIME	No	WAITING ON UPP TO SWAP OUT PUMP			Yes																		
22:30	00:00	1.50	19.00	FRAC. JOB	No	FRAC STAGE 22																					
00:00	02:00	2.00	21.00	PERFORATING	No	PLUG/PERF STAGE 23																					
02:00	05:00	3.00	24.00	INACTIVE	Yes	WAITING ON SIM OPS																					
NPT																											
Typ		SubTyp		Des		Start Date		End Date		Failed Item		Accountable Party		Dur (hr)													
SURFACE EQUIPMENT		PUMPS		SWAPPING OUT PUMP		6/17/2015 21:30		6/17/2015 22:30				UNIVERSAL PRESSURE PUMPING INC		1.00													
Safety Checks																											
Time		Type				Inspected By				Description																	
05:01		SAFETY MEETING				JUSTIN STRINGER / JIMMY MOORE				PRE TOUR SAFETY MEETING																	
17:00		SAFETY MEETING				DAVID MAGOUIRK / TOMMY GOFORTH				PRE TOUR SAFETY MEETING																	
Plug Details																											
Des		Top (ftKB)		Btm (ftKB)		OD (in)		ID (in)		Run Date		Pull Date		Com													
FRAC PLUG		14,552.0		14,554.0		4.67				6/17/2015				PLUG STAGE 21													
FRAC PLUG		14,383.0		14,385.0		4.67				6/17/2015				PLUG STAGE 22													
FRAC PLUG		14,208.0		14,210.0		4.67				6/18/2015				PLUG STAGE 23													
Perforation Intervals																											
Time		Zone		Top (ftKB)		Btm (ftKB)		Shot Dens (shots/ft)		Gun Size (in)		Com															
01:05		WOLFCAMP A, ORIGINAL HOLE		14,048.0		14,049.3		6.0		3 1/8		STAGE 23 PERFORATIONS															
01:05		WOLFCAMP A, ORIGINAL HOLE		14,083.0		14,084.3		6.0		3 1/8		STAGE 23 PERFORATIONS															
01:05		WOLFCAMP A, ORIGINAL HOLE		14,118.0		14,119.3		6.0		3 1/8		STAGE 23 PERFORATIONS															
01:05		WOLFCAMP A, ORIGINAL HOLE		14,155.0		14,156.3		6.0		3 1/8		STAGE 23 PERFORATIONS															
01:05		WOLFCAMP A, ORIGINAL HOLE		14,188.0		14,189.3		6.0		3 1/8		STAGE 23 PERFORATIONS															
17:30		WOLFCAMP A, ORIGINAL HOLE		14,223.0		14,224.3		6.0		3 1/8		STAGE 22 PERFORATIONS															
17:30		WOLFCAMP A, ORIGINAL HOLE		14,258.0		14,259.3		6.0		3 1/8		STAGE 22 PERFORATIONS															
17:30		WOLFCAMP A, ORIGINAL HOLE		14,293.0		14,294.3		6.0		3 1/8		STAGE 22 PERFORATIONS															
17:30		WOLFCAMP A, ORIGINAL HOLE		14,328.0		14,329.3		6.0		3 1/8		STAGE 22 PERFORATIONS															
17:30		WOLFCAMP A, ORIGINAL HOLE		14,363.0		14,364.3		6.0		3 1/8		STAGE 22 PERFORATIONS															
08:44		WOLFCAMP A, ORIGINAL HOLE		14,398.0		14,399.3		6.0		3 1/8		STAGE 21 PERFORATIONS															
08:44		WOLFCAMP A, ORIGINAL HOLE		14,433.0		14,434.3		6.0		3 1/8		STAGE 21 PERFORATIONS															
08:44		WOLFCAMP A, ORIGINAL HOLE		14,474.0		14,475.3		6.0		3 1/8		STAGE 21 PERFORATIONS															
08:44		WOLFCAMP A, ORIGINAL HOLE		14,503.0		14,504.3		6.0		3 1/8		STAGE 21 PERFORATIONS															
08:44		WOLFCAMP A, ORIGINAL HOLE		14,538.0		14,539.3		6.0		3 1/8		STAGE 21 PERFORATIONS															
Stimulations & Treatments																											
STAGE 20 - HYDRAULIC FRAC on 6/17/2015 08:00																											
Date 6/17/2015		Type HYDRAULIC FRAC			Zone WOLFCAMP A, ORIGINAL HOLE			Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC		Comment FRAC STAGE 20 OF 56																	
P Pre SI (psi) 1,730.0		ISIP (psi) 2,668.0		P Post SI (psi) 2,112.0		5 min SI (psi) 2056		10 min SI (psi) 2056		15 min SI (psi) 2056		P Break (psi) 4,378.0		BD Rate (bbl... 10		Q Treat Min... 10		Q Treat Max... 80		Q Treat Avg... 73		Avg Treat Pr... 5,277.0		Proppant De... 245,000		Prop Placed... 246,843	
Max Treat Pressure (psi) 7,102.0				Avg Treat Pressure (psi) 5,277.0				Max Treat Rate (bbl/min) 80				Avg Treat Rate (bbl/min) 73				V clean+slurry (bbl) 5413.00											
Total Add Amount 100 MESH WHITE BULK SAND 34277 lb; 40/70 WHITE BULK SAND 212566 lb; ACID 2016 GAL; BIO 15-G BIOCIDE 70 gal; CIA-5 6 GAL; IR-1 6 GAL; NE-1 2 GAL; SURFACTANT ROCK ON 422 gal; WFR-5 FRICTION REDUCER 154 gal																											
STAGE 21 - SAND FRAC on 6/17/2015 16:30																											
Date 6/17/2015		Type SAND FRAC			Zone WOLFCAMP A, ORIGINAL HOLE			Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC		Comment FRAC STAGE 21 OF 56																	
P Pre SI (psi) 1,518.0		ISIP (psi) 2,565.0		P Post SI (psi) 2,260.0		5 min SI (psi) 2015		10 min SI (psi) 2015		15 min SI (psi) 2015		P Break (psi) 4,186.0		BD Rate (bbl... 10		Q Treat Min... 10		Q Treat Max... 80		Q Treat Avg... 74		Avg Treat Pr... 5,084.0		Proppant De... 245,000		Prop Placed... 246,463	
Max Treat Pressure (psi) 7,205.0				Avg Treat Pressure (psi) 5,084.0				Max Treat Rate (bbl/min) 80				Avg Treat Rate (bbl/min) 74				V clean+slurry (bbl) 5392.00											
Total Add Amount 100 MESH WHITE BULK SAND 32251 lb; 40/70 WHITE BULK SAND 214212 lb; ACID 2016 GAL; BIO 15-G BIOCIDE 65 gal; CIA-5 6 GAL; IR-1 6 GAL; NE-1 2 GAL; SURFACTANT ROCK ON 424 gal; WFR-5 FRICTION REDUCER 153 gal																											
STAGE 22 - SAND FRAC on 6/18/2015 00:01																											
Date 6/18/2015		Type SAND FRAC			Zone WOLFCAMP A, ORIGINAL HOLE			Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC		Comment FRAC STAGE 22 OF 56																	
P Pre SI (psi) 1,479.0		ISIP (psi) 2,448.0		P Post SI (psi) 2,300.0		5 min SI (psi) 2077		10 min SI (psi) 2077		15 min SI (psi) 2077		P Break (psi) 4,124.0		BD Rate (bbl... 10		Q Treat Min... 10		Q Treat Max... 81		Q Treat Avg... 74		Avg Treat Pr... 5,193.1		Proppant De... 245,000		Prop Placed... 241,421	
Max Treat Pressure (psi) 5,783.0				Avg Treat Pressure (psi) 5,193.1				Max Treat Rate (bbl/min) 81				Avg Treat Rate (bbl/min) 74				V clean+slurry (bbl) 4985.00											
Total Add Amount 100 MESH WHITE BULK SAND 30000 lb; 40/70 WHITE BULK SAND 211421 lb; ACID 2016 GAL; BIO 15-G BIOCIDE 70 gal; CIA-5 6 GAL; IR-1 6 GAL; NE-1 2 GAL; SURFACTANT ROCK ON 416 gal; WFR-5 FRICTION REDUCER 161 gal																											



AMERICAN ENERGY
PARTNERS

AMERICAN ENERGY - PERMIAN BASIN, LLC
Daily Completion Report

UNIVERSITY 09 0921H
AEPB WELL NO. 54

Report Date 6/19/2015
AFE # 1420225
Total AFE 4,687,800

API 42383389370000	State TEXAS	County REAGAN	Well Config HORIZONTAL	Ground Elevation (ft) 2,645.00	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 5/5/2015	End Date					
AFE Number 1420225		Supplemental AFE Number			Daily Field Est (Cost) 144,820		Cum Field Est (Cost) 1,352,733						
Number of Stages (ft) 56		Lateral Length (ft) 9,872			Time Since LTI (days)		Time Since Reportable Incident (days)						
Daily Contacts													
Contacts COMP SUPER, JIMMY MOORE, LOOP; COMP SUP, JUSTIN STRINGER, LOOP; COMP SUPVR, TOMMY GOFORTH, CRSCNT; CONSLTNT, TROY MACKENZIE, LOOP													
Daily Operations													
Operations Summary 0 EHS ISSUES: 1.5 HRS NPT: 3 STAGES FRAC'D ON WELL; 23-25 OF 56 AND PERF'D STAGES 24-26 OF 56 ; FRAC'D 10 STAGES ON PAD WITH UPP CREW; 3-WELL ZIPPER FRAC WITH UNIVERSITY 09 0902H AND 0912H. NO PUMPING OR WIRELINE ISSUES. NPT DUE TO PUMP SWAP AND PT'ING. CURRENTLY FRAC STAGE 26 AT REPORT TIME.													
Planned Operations FRAC MULTIPLE STAGES													
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	INACTIVE	Yes	WAITING ON SIMOPS							
05:15	06:45	1.50	1.75	FRAC. JOB	No	FRAC STAGE 23							
06:45	08:15	1.50	3.25	PERFORATING	No	PLUG/PERF STAGE 24							
08:15	08:45	0.50	3.75	GENERAL OPERATIONS	No	GREASE FRAC STACK AND ZIP MANIFOLD							
08:45	13:30	4.75	8.50	INACTIVE	Yes	WAIT ON SIMOPS							
13:30	15:00	1.50	10.00	FRAC. JOB	No	FRAC STAGE 24							
15:00	16:30	1.50	11.50	PERFORATING	No	PLUG/PERF STAGE 25							
16:30	20:00	3.50	15.00	INACTIVE	Yes	WAIT ON SIMOPS							
20:00	21:30	1.50	16.50	FRAC. JOB	No	FRAC STAGE 25							
21:30	23:00	1.50	18.00	PERFORATING	No	PLUG/PERF STAGE 26							
23:00	02:30	3.50	21.50	INACTIVE	Yes	WAIT ON SIMOPS							
02:30	04:00	1.50	23.00	DOWNTIME	No	UPP SWAPPING PUMP & PT'ING			Yes				
04:00	05:00	1.00	24.00	FRAC. JOB	No	FRAC STAGE 26 AT REPORT TIME							
NPT													
Typ		SubTyp	Des		Start Date	End Date	Failed Item	Accountable Party	Dur (hr)				
SURFACE EQUIPMENT		PUMPS	SWAPPING OUT PUMP		6/19/2015 02:30	6/19/2015 04:00		UNIVERSAL PRESSURE PUMPING INC	1.50				
Safety Checks													
Time		Type			Inspected By		Description						
05:01		SAFETY MEETING			JUSTIN STRINGER / JIMMY MOORE		PRE TOUR SAFETY MEETING						
17:00		SAFETY MEETING			TOMMY GOFORTH/ TROY MACKENZIE		PRE TOUR SAFETY MEETING						
Plug Details													
Des		Top (ftKB)	Btm (ftKB)	OD (in)	ID (in)	Run Date	Pull Date	Com					
FRAC PLUG		14,033.0	14,035.0	4.67		6/18/2015		PLUG STAGE 24					
FRAC PLUG		13,858.0	13,860.0	4.67		6/18/2015		PLUG STAGE 25					
FRAC PLUG		13,678.0	13,680.0	4.67		6/18/2015		PLUG STAGE 26					
Perforation Intervals													
Time	Zone			Top (ftKB)		Btm (ftKB)		Shot Dens (shots/ft)	Gun Size (in)	Com			
15:30	WOLFCAMP A, ORIGINAL HOLE			13,523.0		13,524.3		6.0	3 1/8	STAGE 26 PERFORATIONS			
15:30	WOLFCAMP A, ORIGINAL HOLE			13,558.0		13,559.3		6.0	3 1/8	STAGE 26 PERFORATIONS			
15:30	WOLFCAMP A, ORIGINAL HOLE			13,593.0		13,594.3		6.0	3 1/8	STAGE 26 PERFORATIONS			
15:30	WOLFCAMP A, ORIGINAL HOLE			13,628.0		13,629.3		6.0	3 1/8	STAGE 26 PERFORATIONS			
15:30	WOLFCAMP A, ORIGINAL HOLE			13,663.0		13,664.3		6.0	3 1/8	STAGE 26 PERFORATIONS			
15:30	WOLFCAMP A, ORIGINAL HOLE			13,702.0		13,703.3		6.0	3 1/8	STAGE 25 PERFORATIONS			
15:30	WOLFCAMP A, ORIGINAL HOLE			13,733.0		13,734.3		6.0	3 1/8	STAGE 25 PERFORATIONS			
15:30	WOLFCAMP A, ORIGINAL HOLE			13,769.0		13,770.3		6.0	3 1/8	STAGE 25 PERFORATIONS			
15:30	WOLFCAMP A, ORIGINAL HOLE			13,803.0		13,804.3		6.0	3 1/8	STAGE 25 PERFORATIONS			
15:30	WOLFCAMP A, ORIGINAL HOLE			13,838.0		13,839.3		6.0	3 1/8	STAGE 25 PERFORATIONS			
07:30	WOLFCAMP A, ORIGINAL HOLE			13,873.0		13,874.3		6.0	3 1/8	STAGE 24 PERFORATIONS			
07:30	WOLFCAMP A, ORIGINAL HOLE			13,908.0		13,909.3		6.0	3 1/8	STAGE 24 PERFORATIONS			
07:30	WOLFCAMP A, ORIGINAL HOLE			13,943.0		13,944.3		6.0	3 1/8	STAGE 24 PERFORATIONS			
07:30	WOLFCAMP A, ORIGINAL HOLE			13,978.0		13,979.3		6.0	3 1/8	STAGE 24 PERFORATIONS			
07:30	WOLFCAMP A, ORIGINAL HOLE			14,011.0		14,012.3		6.0	3 1/8	STAGE 24 PERFORATIONS			
Stimulations & Treatments													
STAGE 23 - SAND FRAC on 6/18/2015 06:45													
Date 6/18/2015	Type SAND FRAC			Zone WOLFCAMP A, ORIGINAL HOLE		Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC		Comment FRAC STAGE 23 OF 56					
P Pre SI (psi) 1,512.0	ISIP (psi) 2,475.0	P Post SI (psi) 2,246.0	5 min SI (psi) 2043	10 min SI (psi)	15 min SI (psi)	P Break (psi) 4,017.0	BD Rate (bbl... 10	Q Treat Min... 10	Q Treat Max... 81	Q Treat Avg... 73	Avg Treat Pr... 5,223.0	Proppant De... 245,000	Prop Placed... 243,742
Max Treat Pressure (psi) 7,025.0			Avg Treat Pressure (psi) 5,223.0			Max Treat Rate (bbl/min) 81			Avg Treat Rate (bbl/min) 73			V clean+slurry (bbl) 5300.00	
Total Add Amount 100 MESH WHITE BULK SAND 33256 lb; 40/70 WHITE BULK SAND 210486 lb; ACID 2016 GAL; BIO 15-G BIOCIDE 72 gal; CIA-5 6 GAL; IR-1 6 GAL; NE-1 2 GAL; SURFACTANT ROCK ON 418 gal; WFR-5 FRICTION REDUCER 165 gal													
STAGE 24 - SAND FRAC on 6/18/2015 14:58													
Date 6/18/2015	Type SAND FRAC			Zone WOLFCAMP A, ORIGINAL HOLE		Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC		Comment FRAC STAGE 24 OF 56					
P Pre SI (psi) 1,535.0	ISIP (psi) 2,615.0	P Post SI (psi) 1,961.0	5 min SI (psi) 1990	10 min SI (psi)	15 min SI (psi)	P Break (psi) 4,190.0	BD Rate (bbl... 10	Q Treat Min... 10	Q Treat Max... 80	Q Treat Avg... 73	Avg Treat Pr... 5,176.3	Proppant De... 245,000	Prop Placed... 244,654
Max Treat Pressure (psi) 7,410.0			Avg Treat Pressure (psi) 5,176.3			Max Treat Rate (bbl/min) 80			Avg Treat Rate (bbl/min) 73			V clean+slurry (bbl) 5316.00	
Total Add Amount 100 MESH WHITE BULK SAND 32188 lb; 40/70 WHITE BULK SAND 212466 lb; ACID 2016 GAL; BIO 15-G BIOCIDE 67 gal; CIA-5 6 GAL; IR-1 6 GAL; NE-1 2 GAL; SURFACTANT ROCK ON 411 gal; WFR-5 FRICTION REDUCER 157 gal													
STAGE 25 - SAND FRAC on 6/18/2015 21:21													
Date 6/18/2015	Type SAND FRAC			Zone WOLFCAMP A, ORIGINAL HOLE		Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC		Comment FRAC STAGE 25 OF 56					
P Pre SI (psi) 1,717.0	ISIP (psi) 2,664.0	P Post SI (psi) 2,232.0	5 min SI (psi) 2013	10 min SI (psi)	15 min SI (psi)	P Break (psi) 4,226.0	BD Rate (bbl... 11	Q Treat Min... 11	Q Treat Max... 81	Q Treat Avg... 74	Avg Treat Pr... 4,949.0	Proppant De... 245,000	Prop Placed... 247,075
Max Treat Pressure (psi) 5,552.0			Avg Treat Pressure (psi) 4,949.0			Max Treat Rate (bbl/min) 81			Avg Treat Rate (bbl/min) 74			V clean+slurry (bbl) 4858.00	
Total Add Amount 100 MESH WHITE BULK SAND 32005 lb; 40/70 WHITE BULK SAND 215070 lb; ACID 2016 GAL; BIO 15-G BIOCIDE 61 gal; CIA-5 6 GAL; IR-1 6 GAL; NE-1 2 GAL; SURFACTANT ROCK ON 421 gal; WFR-5 FRICTION REDUCER 165 gal													

UNIVERSITY 09 0921H

AEPB WELL NO. 54

API 42383389370000	State TEXAS	County REAGAN	Well Config HORIZONTAL	Ground Elevation (ft) 2,645.00	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 5/5/2015	End Date					
AFE Number 1420225		Supplemental AFE Number			Daily Field Est (Cost) 143,269		Cum Field Est (Cost) 1,505,802						
Number of Stages (ft) 56		Lateral Length (ft) 9,872			Time Since LTI (days)		Time Since Reportable Incident (days)						
Daily Contacts													
Contacts COMP SUPER, JIMMY MOORE, LOOP; COMP SUP, JUSTIN STRINGER, LOOP; COMP SUPVR, TOMMY GOFORTH, CRSCNT; CONSLTNT, TROY MACKENZIE, LOOP													
Daily Operations													
Operations Summary 0 EHS ISSUES: 0 HRS NPT: 3 STAGES FRAC'D ON WELL; 26-28 OF 56 AND PERF'D STAGES 27-29 OF 56 ; FRAC'D 7 STAGES ON PAD WITH UPP CREW; 3-WELL ZIPPER FRAC WITH UNIVERSITY 09 0902H AND 0912H. NO PUMPING OR WIRELINE ISSUES.													
Planned Operations FRAC MULTIPLE STAGES													
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	FRAC. JOB	No	FRAC STAGE 26							
05:30	07:00	1.50	2.00	PERFORATING	No	PLUG AND PERF STAGE 27							
07:00	08:00	1.00	3.00	GENERAL OPERATIONS	Yes	GREASE FRAC STACK AND GREASE MANIFOLD							
08:00	13:00	5.00	8.00	INACTIVE	Yes	WAIT ON SIMOPS							
13:00	14:30	1.50	9.50	FRAC. JOB	No	FRAC STAGE 27							
14:30	16:00	1.50	11.00	PERFORATING	No	PLUG AND PERF STAGE 28							
16:00	20:30	4.50	15.50	INACTIVE	Yes	WAIT ON SIMOPS							
20:30	22:30	2.00	17.50	FRAC. JOB	No	FRAC STAGE 28							
22:30	00:00	1.50	19.00	PERFORATING	No	PLUG AND PERF STAGE 29							
00:00	05:00	5.00	24.00	INACTIVE	Yes	WAIT ON SIMOPS							
Safety Checks													
Time		Type			Inspected By		Description						
05:00		SAFETY MEETING			JUSTIN STRINGER / JIMMY MOORE		PRE TOUR SAFETY MEETING						
17:00		SAFETY MEETING			TOMMY GOFORTH/ TROY MACKENZIE		PRE TOUR SAFETY MEETING						
Plug Details													
Des		Top (ftKB)	Btm (ftKB)	OD (in)	ID (in)	Run Date	Pull Date	Com					
FRAC PLUG		13,508.0	13,510.0	4.67		6/19/2015		PLUG STAGE 27					
FRAC PLUG		13,330.0	13,332.0	4.67		6/19/2015		PLUG STAGE 28					
FRAC PLUG		13,158.0	13,160.0	4.67		6/19/2015		PLUG STAGE 29					
Perforation Intervals													
Time	Zone			Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Gun Size (in)	Com					
21:20	WOLFCAMP A, ORIGINAL HOLE			13,000.0	13,001.3	6.0	3 1/8	STAGE 29 PERFORATIONS					
21:20	WOLFCAMP A, ORIGINAL HOLE			13,033.0	13,034.3	6.0	3 1/8	STAGE 29 PERFORATIONS					
21:20	WOLFCAMP A, ORIGINAL HOLE			13,068.0	13,069.3	6.0	3 1/8	STAGE 29 PERFORATIONS					
21:20	WOLFCAMP A, ORIGINAL HOLE			13,103.0	13,104.3	6.0	3 1/8	STAGE 29 PERFORATIONS					
21:20	WOLFCAMP A, ORIGINAL HOLE			13,138.0	13,139.3	6.0	3 1/8	STAGE 29 PERFORATIONS					
05:30	WOLFCAMP A, ORIGINAL HOLE			13,173.0	13,174.3	6.0	3 1/8	STAGE 28 PERFORATIONS					
15:30	WOLFCAMP A, ORIGINAL HOLE			13,208.0	13,209.3	6.0	3 1/8	STAGE 28 PERFORATIONS					
15:30	WOLFCAMP A, ORIGINAL HOLE			13,243.0	13,244.3	6.0	3 1/8	STAGE 28 PERFORATIONS					
15:30	WOLFCAMP A, ORIGINAL HOLE			13,278.0	13,279.3	6.0	3 1/8	STAGE 28 PERFORATIONS					
15:30	WOLFCAMP A, ORIGINAL HOLE			13,313.0	13,314.3	6.0	3 1/8	STAGE 28 PERFORATIONS					
06:45	WOLFCAMP A, ORIGINAL HOLE			13,348.0	13,349.3	6.0	3 1/8	STAGE 27 PERFORATIONS					
06:45	WOLFCAMP A, ORIGINAL HOLE			13,387.0	13,388.3	6.0	3 1/8	STAGE 27 PERFORATIONS					
06:45	WOLFCAMP A, ORIGINAL HOLE			13,418.0	13,419.3	6.0	3 1/8	STAGE 27 PERFORATIONS					
06:45	WOLFCAMP A, ORIGINAL HOLE			13,453.0	13,454.3	6.0	3 1/8	STAGE 27 PERFORATIONS					
06:45	WOLFCAMP A, ORIGINAL HOLE			13,488.0	13,489.3	6.0	3 1/8	STAGE 27 PERFORATIONS					
Stimulations & Treatments													
STAGE 26 - SAND FRAC on 6/19/2015 05:30													
Date 6/19/2015	Type SAND FRAC			Zone WOLFCAMP A, ORIGINAL HOLE		Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC		Comment FRAC STAGE 26 OF 56					
P Pre SI (psi) 1,438.0	ISIP (psi) 2,764.0	P Post SI (psi) 2,377.0	5 min SI (psi) 1976	10 min SI (psi)	15 min SI (psi)	P Break (psi) 4,434.0	BD Rate (bbl... 11	Q Treat Min... 11	Q Treat Max... 80	Q Treat Avg... 73	Avg Treat Pr... 5,355.0	Proppant De... 245,000	Prop Placed... 244,767
Max Treat Pressure (psi) 7,292.0			Avg Treat Pressure (psi) 5,355.0			Max Treat Rate (bbl/min) 80			Avg Treat Rate (bbl/min) 73			V clean+slurry (bbl) 5356.00	
Total Add Amount 100 MESH WHITE BULK SAND 32173 lb; 40/70 WHITE BULK SAND 212594 lb; ACID 2016 GAL; BIO 15-G BIOCIDE 66 gal; CIA-5 6 GAL; IR-1 6 GAL; NE-1 2 GAL; SURFACTANT ROCK ON 416 gal; WFR-5 FRICTION REDUCER 160 gal													
STAGE 27 - SAND FRAC on 6/19/2015 14:30													
Date 6/19/2015	Type SAND FRAC			Zone WOLFCAMP A, ORIGINAL HOLE		Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC		Comment FRAC STAGE 27 OF 56					
P Pre SI (psi) 1,487.0	ISIP (psi) 2,764.0	P Post SI (psi) 2,189.0	5 min SI (psi) 1883	10 min SI (psi)	15 min SI (psi)	P Break (psi) 4,575.0	BD Rate (bbl... 11	Q Treat Min... 11	Q Treat Max... 80	Q Treat Avg... 73	Avg Treat Pr... 5,148.0	Proppant De... 245,000	Prop Placed... 245,842
Max Treat Pressure (psi) 7,455.0			Avg Treat Pressure (psi) 5,148.0			Max Treat Rate (bbl/min) 80			Avg Treat Rate (bbl/min) 73			V clean+slurry (bbl) 5345.00	
Total Add Amount 100 MESH WHITE BULK SAND 32857 lb; 40/70 WHITE BULK SAND 213669 lb; ACID 2016 GAL; BIO 15-G BIOCIDE 68 gal; CIA-5 6 GAL; IR-1 6 GAL; NE-1 2 GAL; SURFACTANT ROCK ON 416 gal; WFR-5 FRICTION REDUCER 163 gal													
STAGE 28 - SAND FRAC on 6/19/2015 22:19													
Date 6/19/2015	Type SAND FRAC			Zone WOLFCAMP A, ORIGINAL HOLE		Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC		Comment FRAC STAGE 28 OF 56					
P Pre SI (psi) 1,435.0	ISIP (psi) 2,532.0	P Post SI (psi) 2,455.0	5 min SI (psi) 2045	10 min SI (psi)	15 min SI (psi)	P Break (psi) 3,974.0	BD Rate (bbl... 10	Q Treat Min... 10	Q Treat Max... 80	Q Treat Avg... 70	Avg Treat Pr... 4,788.0	Proppant De... 245,000	Prop Placed... 240,336
Max Treat Pressure (psi) 7,030.0			Avg Treat Pressure (psi) 4,788.0			Max Treat Rate (bbl/min) 80			Avg Treat Rate (bbl/min) 70			V clean+slurry (bbl) 5780.00	
Total Add Amount 100 MESH WHITE BULK SAND 34440 lb; 40/70 WHITE BULK SAND 205896 lb; ACID 2016 GAL; BIO 15-G BIOCIDE 76 gal; CIA-5 6 GAL; IR-1 6 GAL; NE-1 2 GAL; SURFACTANT ROCK ON 463 gal; WFR-5 FRICTION REDUCER 181 gal													

42383389370000	State TEXAS	County REAGAN	Well Config HORIZONTAL	Ground Elevation (ft) 2,645.00	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 5/5/2015	End Date					
AFE Number 1420225		Supplemental AFE Number			Daily Field Est (Cost) 118,143		Cum Field Est (Cost) 1,624,340						
Number of Stages (ft) 56		Lateral Length (ft) 9,872			Time Since LTI (days)		Time Since Reportable Incident (days)						
Daily Contacts													
Contacts COMP SUPER, JIMMY MOORE, LOOP; COMP SUP, JUSTIN STRINGER, LOOP; COMP SUPVR, TOMMY GOFORTH, CRSCNT; CONSLTNT, TROY MACKENZIE, LOOP													
Daily Operations													
Operations Summary 0 EHS ISSUES: 0 HRS NPT: 3 STAGES FRAC'D ON WELL; 29-31 OF 56 AND PERF'D STAGES 30-31 OF 56 ; FRAC'D 9 STAGES ON PAD WITH UPP CREW; 3-WELL ZIPPER FRAC WITH UNIVERSITY 09 0902H AND 0912H. NO PUMPING OR WIRELINE ISSUES.													
Planned Operations FRAC MULTIPLE STAGES													
Time Log													
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Activity	Inactive?	Comments		Unschd Typ	NPT				
05:00	14:00	9.00	9.00	INACTIVE	Yes	WAIT ON SIMOPS. 3 HRS NPT CHARGED TO #912.							
14:00	15:30	1.50	10.50	FRAC. JOB	No	FRAC STAGE 29							
15:30	17:00	1.50	12.00	PERFORATING	No	PLUG AND PERF STAGE 30							
17:00	18:00	1.00	13.00	GENERAL OPERATIONS	No	GREASE FRAC STACK							
18:00	20:30	2.50	15.50	INACTIVE	Yes	WAITING ON SIM OPS							
20:30	21:45	1.25	16.75	FRAC. JOB	No	FRAC STAGE 30							
21:45	23:30	1.75	18.50	PERFORATING	No	PLUG AND PERF STAGE 31							
23:30	02:30	3.00	21.50	INACTIVE	Yes	WAITING ON SIM OPS							
02:30	04:00	1.50	23.00	FRAC. JOB	No	FRAC STAGE 31							
04:00	05:00	1.00	24.00	PERFORATING	No	PLUG AND PERF STAGE 32							
Safety Checks													
Time		Type			Inspected By		Description						
05:01		SAFETY MEETING			JUSTIN STRINGER / JIMMY MOORE		PRE TOUR SAFETY MEETING						
17:00		SAFETY MEETING			TOMMY GOFORTH/ TROY MACKENZIE		PRE TOUR SAFETY MEETING						
Plug Details													
Des		Top (ftKB)	Btm (ftKB)	OD (in)	ID (in)	Run Date	Pull Date	Com					
FRAC PLUG		12,983.0	12,985.0	4.67		6/20/2015		PLUG STAGE 30					
FRAC PLUG		12,808.0	12,810.0	4.67		6/20/2015		PLUG STAGE 31					
FRAC PLUG		12,631.0	12,633.0	4.67		6/21/2015		PLUG STAGE 32					
Perforation Intervals													
Time	Zone			Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Gun Size (in)	Com					
04:40	WOLFCAMP A, ORIGINAL HOLE			12,473.0	12,474.3	6.0	3 1/8	STAGE 32 PERFORATIONS					
04:40	WOLFCAMP A, ORIGINAL HOLE			12,508.0	12,509.3	6.0	3 1/8	STAGE 32 PERFORATIONS					
04:40	WOLFCAMP A, ORIGINAL HOLE			12,540.0	12,541.3	6.0	3 1/8	STAGE 32 PERFORATIONS					
04:40	WOLFCAMP A, ORIGINAL HOLE			12,578.0	12,579.3	6.0	3 1/8	STAGE 32 PERFORATIONS					
04:40	WOLFCAMP A, ORIGINAL HOLE			12,613.0	12,614.3	6.0	3 1/8	STAGE 32 PERFORATIONS					
22:45	WOLFCAMP A, ORIGINAL HOLE			12,648.0	12,649.3	6.0	3 1/8	STAGE 31 PERFORATIONS					
22:45	WOLFCAMP A, ORIGINAL HOLE			12,683.0	12,684.3	6.0	3 1/8	STAGE 31 PERFORATIONS					
22:45	WOLFCAMP A, ORIGINAL HOLE			12,718.0	12,719.3	6.0	3 1/8	STAGE 31 PERFORATIONS					
22:45	WOLFCAMP A, ORIGINAL HOLE			12,753.0	12,754.3	6.0	3 1/8	STAGE 31 PERFORATIONS					
22:45	WOLFCAMP A, ORIGINAL HOLE			12,788.0	12,789.3	6.0	3 1/8	STAGE 31 PERFORATIONS					
16:30	WOLFCAMP A, ORIGINAL HOLE			12,823.0	12,824.3	6.0	3 1/8	STAGE 30 PERFORATIONS					
16:30	WOLFCAMP A, ORIGINAL HOLE			12,856.0	12,857.3	6.0	3 1/8	STAGE 30 PERFORATIONS					
16:30	WOLFCAMP A, ORIGINAL HOLE			12,893.0	12,894.3	6.0	3 1/8	STAGE 30 PERFORATIONS					
16:30	WOLFCAMP A, ORIGINAL HOLE			12,928.0	12,929.3	6.0	3 1/8	STAGE 30 PERFORATIONS					
16:30	WOLFCAMP A, ORIGINAL HOLE			12,963.0	12,964.3	6.0	3 1/8	STAGE 30 PERFORATIONS					
Stimulations & Treatments													
STAGE 29 - SAND FRAC on 6/20/2015 15:30													
Date 6/20/2015	Type SAND FRAC			Zone WOLFCAMP A, ORIGINAL HOLE		Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC		Comment FRAC STAGE 29 OF 56					
P Pre SI (psi) 1,408.0	ISIP (psi) 2,580.0	P Post SI (psi) 2,250.0	5 min SI (psi) 2037	10 min SI (psi)	15 min SI (psi)	P Break (psi) 5,694.0	BD Rate (bbl/min) 9	Q Treat Min... 10	Q Treat Max... 80	Q Treat Avg... 74	Avg Treat Pr... 4,594.0	Proppant De... 245,000	Prop Placed... 245,114
Max Treat Pressure (psi) 7,215.0			Avg Treat Pressure (psi) 4,594.0			Max Treat Rate (bbl/min) 80			Avg Treat Rate (bbl/min) 74			V clean+slurry (bbl) 5309.00	
Total Add Amount 100 MESH WHITE BULK SAND 34955 lb; 40/70 WHITE BULK SAND 210159 lb; ACID 2016 GAL; BIO 15-G BIOCIDE 61 gal; CIA-5 6 GAL; IR-1 6 GAL; NE-1 2 GAL; SURFACTANT ROCK ON 424 gal; WFR-5 FRICTION REDUCER 152 gal													
STAGE 30 - SAND FRAC on 6/20/2015 21:44													
Date 6/20/2015	Type SAND FRAC			Zone WOLFCAMP A, ORIGINAL HOLE		Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC		Comment FRAC STAGE 30 OF 56					
P Pre SI (psi) 1,650.0	ISIP (psi) 2,527.0	P Post SI (psi) 2,350.0	5 min SI (psi) 1995	10 min SI (psi)	15 min SI (psi)	P Break (psi) 4,039.0	BD Rate (bbl/min) 10	Q Treat Min... 10	Q Treat Max... 81	Q Treat Avg... 74	Avg Treat Pr... 4,488.0	Proppant De... 245,000	Prop Placed... 242,086
Max Treat Pressure (psi) 5,420.0			Avg Treat Pressure (psi) 4,488.0			Max Treat Rate (bbl/min) 81			Avg Treat Rate (bbl/min) 74			V clean+slurry (bbl) 5260.00	
Total Add Amount 100 MESH WHITE BULK SAND 30069 lb; 40/70 WHITE BULK SAND 212017 lb; ACID 2016 GAL; BIO 15-G BIOCIDE 63 gal; CIA-5 6 GAL; IR-1 6 GAL; NE-1 2 GAL; SURFACTANT ROCK ON 402 gal; WFR-5 FRICTION REDUCER 153 gal													
STAGE 31 - SAND FRAC on 6/21/2015 03:49													
Date 6/21/2015	Type SAND FRAC			Zone WOLFCAMP A, ORIGINAL HOLE		Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC		Comment FRAC STAGE 31 OF 56					
P Pre SI (psi) 1,675.0	ISIP (psi) 2,766.0	P Post SI (psi) 2,292.0	5 min SI (psi) 1955	10 min SI (psi)	15 min SI (psi)	P Break (psi) 4,437.0	BD Rate (bbl/min) 10	Q Treat Min... 10	Q Treat Max... 80	Q Treat Avg... 74	Avg Treat Pr... 4,939.0	Proppant De... 245,000	Prop Placed... 252,420
Max Treat Pressure (psi) 5,424.0			Avg Treat Pressure (psi) 4,939.0			Max Treat Rate (bbl/min) 80			Avg Treat Rate (bbl/min) 74			V clean+slurry (bbl) 5243.00	
Total Add Amount 100 MESH WHITE BULK SAND 34000 lb; 40/70 WHITE BULK SAND 218420 lb; ACID 2016 GAL; BIO 15-G BIOCIDE 61 gal; CIA-5 6 GAL; IR-1 6 GAL; NE-1 2 GAL; SURFACTANT ROCK ON 428 gal; WFR-5 FRICTION REDUCER 153 gal													



AMERICAN ENERGY
PARTNERS

AMERICAN ENERGY - PERMIAN BASIN, LLC
Daily Completion Report

UNIVERSITY 09 0921H
AEPB WELL NO. 54

Report Date 6/22/2015
AFE # 1420225
Total AFE 4,687,800

API 42383389370000	State TEXAS	County REAGAN	Well Config HORIZONTAL	Ground Elevation (ft) 2,645.00	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 5/5/2015	End Date																											
AFE Number 1420225		Supplemental AFE Number			Daily Field Est (Cost) 117,917		Cum Field Est (Cost) 1,762,760																												
Number of Stages (ft) 56		Lateral Length (ft) 9,872			Time Since LTI (days)		Time Since Reportable Incident (days)																												
Daily Contacts																																			
Contacts COMP SUPER, JIMMY MOORE, LOOP; COMP SUP, JUSTIN STRINGER, LOOP; COMP SUPVR, TOMMY GOFORTH, CRSCNT; CONSLTNT, TROY MACKENZIE, LOOP																																			
Daily Operations																																			
Operations Summary 0 EHS ISSUES: 1 HRS NPT: 3 STAGES FRAC'D ON WELL; 32-34 OF 56 AND PERF'D STAGES 33-35 OF 56 ; FRAC'D 10 STAGES ON PAD WITH UPP CREW; 3-WELL ZIPPER FRAC WITH UNIVERSITY 09 0902H AND 0912H. NO PUMPING OR WIRELINE ISSUES. NPT DUE TO LOSING THE GENERATOR ON FRAC VAN																																			
Planned Operations FRAC MULTIPLE STAGES																																			
Time Log																																			
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Activity	Inactive?	Comments		Unschd Typ	NPT																										
05:00	08:15	3.25	3.25	INACTIVE	Yes	WAITING ON SIMOPS																													
08:15	09:45	1.50	4.75	FRAC. JOB	No	FRAC STAGE 32																													
09:45	11:15	1.50	6.25	PERFORATING	No	PLUG AND PERF STAGE 33																													
11:15	13:00	1.75	8.00	GENERAL OPERATIONS	No	GREASE FRAC STACK AND ZIP MANIFOLD. RE-HEAD ON WL. CHANGE PACK OFF ON LUBRICATOR.																													
13:00	15:00	2.00	10.00	INACTIVE	Yes	WAIT ON SIMOPS																													
15:00	16:30	1.50	11.50	FRAC. JOB	No	FRAC STAGE 33																													
16:30	18:00	1.50	13.00	PERFORATING	No	PLUG AND PERF STAGE 34																													
18:00	22:15	4.25	17.25	INACTIVE	Yes	WAIT ON SIMOPS																													
22:15	23:15	1.00	18.25	DOWNTIME	No	GENERATOR ON FRAC VAN WENT DOWN, HOOKED UP STAND ALONE GENERATOR			Yes																										
23:15	01:00	1.75	20.00	FRAC. JOB	No	FRAC STAGE 34																													
01:00	02:30	1.50	21.50	PERFORATING	No	PLUG AND PERF STAGE 35																													
02:30	05:00	2.50	24.00	INACTIVE	Yes	WAIT ON SIMOPS																													
NPT																																			
Typ		SubTyp		Des		Start Date		End Date		Failed Item		Accountable Party		Dur (hr)																					
SURFACE EQUIPMENT		FRAC DATA VAN		GENERATOR WENT OUT		6/21/2015 22:15		6/21/2015 23:15				UNIVERSAL PRESSURE PUMPING INC		1.00																					
Safety Checks																																			
Time		Type				Inspected By				Description																									
05:01		SAFETY MEETING				JUSTIN STRINGER / JIMMY MOORE				PRE TOUR SAFETY MEETING																									
17:00		SAFETY MEETING				TOMMY GOFORTH/ TROY MACKENZIE				PRE TOUR SAFETY MEETING																									
Plug Details																																			
Des		Top (ftKB)		Btm (ftKB)		OD (in)		ID (in)		Run Date		Pull Date		Com																					
FRAC PLUG		12,459.0		12,461.0		4.67				6/21/2015				PLUG STAGE 33																					
FRAC PLUG		12,283.0		12,285.0		4.67				6/21/2015				PLUG STAGE 34																					
FRAC PLUG		12,108.0		12,110.0		4.67				6/22/2015				PLUG STAGE 35																					
Perforation Intervals																																			
Time		Zone		Top (ftKB)		Btm (ftKB)		Shot Dens (shots/ft)		Gun Size (in)		Com																							
01:50		WOLFCAMP A, ORIGINAL HOLE		11,948.0		11,949.3		6.0		3 1/8		STAGE 35 PERFORATIONS																							
01:50		WOLFCAMP A, ORIGINAL HOLE		11,983.0		11,984.3		6.0		3 1/8		STAGE 35 PERFORATIONS																							
01:50		WOLFCAMP A, ORIGINAL HOLE		12,018.0		12,019.3		6.0		3 1/8		STAGE 35 PERFORATIONS																							
01:50		WOLFCAMP A, ORIGINAL HOLE		12,053.0		12,054.3		6.0		3 1/8		STAGE 35 PERFORATIONS																							
01:50		WOLFCAMP A, ORIGINAL HOLE		12,088.0		12,089.3		6.0		3 1/8		STAGE 35 PERFORATIONS																							
18:00		WOLFCAMP A, ORIGINAL HOLE		12,123.0		12,124.3		6.0		3 1/8		STAGE 34 PERFORATIONS																							
18:00		WOLFCAMP A, ORIGINAL HOLE		12,158.0		12,159.3		6.0		3 1/8		STAGE 34 PERFORATIONS																							
18:00		WOLFCAMP A, ORIGINAL HOLE		12,193.0		12,194.3		6.0		3 1/8		STAGE 34 PERFORATIONS																							
18:00		WOLFCAMP A, ORIGINAL HOLE		12,224.0		12,225.3		6.0		3 1/8		STAGE 34 PERFORATIONS																							
18:00		WOLFCAMP A, ORIGINAL HOLE		12,263.0		12,264.3		6.0		3 1/8		STAGE 34 PERFORATIONS																							
10:30		WOLFCAMP A, ORIGINAL HOLE		12,298.0		12,299.3		6.0		3 1/8		STAGE 33 PERFORATIONS																							
10:30		WOLFCAMP A, ORIGINAL HOLE		12,333.0		12,334.3		6.0		3 1/8		STAGE 33 PERFORATIONS																							
10:30		WOLFCAMP A, ORIGINAL HOLE		12,369.0		12,370.3		6.0		3 1/8		STAGE 33 PERFORATIONS																							
10:30		WOLFCAMP A, ORIGINAL HOLE		12,403.0		12,404.3		6.0		3 1/8		STAGE 33 PERFORATIONS																							
10:30		WOLFCAMP A, ORIGINAL HOLE		12,438.0		12,439.3		6.0		3 1/8		STAGE 33 PERFORATIONS																							
Stimulations & Treatments																																			
STAGE 32 - SAND FRAC on 6/21/2015 09:30																																			
Date 6/21/2015		Type SAND FRAC			Zone WOLFCAMP A, ORIGINAL HOLE			Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC		Comment FRAC STAGE 32 OF 56																									
P Pre SI (psi) 1,411.0		ISIP (psi) 2,564.0		P Post SI (psi) 2,000.0		5 min SI (psi) 2036		10 min SI (psi)		15 min SI (psi)		P Break (psi) 4,253.0		BD Rate (bbl/min) 10		Q Treat Min... 10		Q Treat Max... 80		Q Treat Avg... 74		Avg Treat Pr... 4,992.0		Proppant De... 245,000		Prop Placed... 248,136									
Max Treat Pressure (psi)				7,794.0				Avg Treat Pressure (psi)				4,992.0				Max Treat Rate (bbl/min)				80				Avg Treat Rate (bbl/min)				74				V clean+slurry (bbl)		5270.00	
Total Add Amount 100 MESH WHITE BULK SAND 34071 lb; 40/70 WHITE BULK SAND 214065 lb; ACID 2016 GAL; BIO 15-G BIOCIDE 61 gal; CIA-5 6 GAL; IR-1 6 GAL; NE-1 2 GAL; SURFACTANT ROCK ON 421 gal; WFR-5 FRICTION REDUCER 151 gal																																			
STAGE 33 - SAND FRAC on 6/21/2015 16:26																																			
Date 6/21/2015		Type SAND FRAC			Zone WOLFCAMP A, ORIGINAL HOLE			Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC		Comment FRAC STAGE 33 OF 56																									
P Pre SI (psi) 1,558.0		ISIP (psi) 2,470.0		P Post SI (psi) 1,997.0		5 min SI (psi) 1973.0		10 min SI (psi)		15 min SI (psi)		P Break (psi) 4,818.0		BD Rate (bbl/min) 11		Q Treat Min... 11		Q Treat Max... 81		Q Treat Avg... 75		Avg Treat Pr... 5,159.8		Proppant De... 245,000		Prop Placed... 246,081									
Max Treat Pressure (psi)				7,292.0				Avg Treat Pressure (psi)				5,159.8				Max Treat Rate (bbl/min)				81				Avg Treat Rate (bbl/min)				75				V clean+slurry (bbl)		5246.00	
Total Add Amount 100 MESH WHITE BULK SAND 32016 lb; 40/70 WHITE BULK SAND 214065 lb; ACID 2016 GAL; BIO 15-G BIOCIDE 61 gal; CIA-5 6 GAL; IR-1 6 GAL; NE-1 2 GAL; SURFACTANT ROCK ON 415 gal; WFR-5 FRICTION REDUCER 157 gal																																			
STAGE 34 - SAND FRAC on 6/22/2015 00:51																																			
Date 6/22/2015		Type SAND FRAC			Zone WOLFCAMP A, ORIGINAL HOLE			Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC		Comment FRAC STAGE 34 OF 56																									
P Pre SI (psi) 1,330.0		ISIP (psi) 2,588.0		P Post SI (psi) 2,026.0		5 min SI (psi) 1575		10 min SI (psi)		15 min SI (psi)		P Break (psi) 4,890.0		BD Rate (bbl/min) 10		Q Treat Min... 10		Q Treat Max... 80		Q Treat Avg... 74		Avg Treat Pr... 5,094.0		Proppant De... 245,000		Prop Placed... 245,402									
Max Treat Pressure (psi)				5,559.0				Avg Treat Pressure (psi)				5,094.0				Max Treat Rate (bbl/min)				80				Avg Treat Rate (bbl/min)				74				V clean+slurry (bbl)		5178.00	
Total Add Amount 100 MESH WHITE BULK SAND 34051 lb; 40/70 WHITE BULK SAND 211351 lb; ACID 2016 GAL; BIO 15-G BIOCIDE 59 gal; CIA-5 6 GAL; IR-1 6 GAL; NE-1 2 GAL; SURFACTANT ROCK ON 405 gal; WFR-5 FRICTION REDUCER 160 gal																																			

100 MESH WHITE BULK SAND 34158 lb; 40/70 WHITE BULK SAND 218136 lb; ACID 2016 GAL; BIO 15-G BIOCIDE 74 gal; CIA-5 6 GAL; IR-1 6 GAL; NE-1 2 GAL; SURFACTANT ROCK ON 415 gal; WFR-5 FRICTION REDUCER 160 gal



AMERICAN ENERGY - PERMIAN BASIN, LLC
Daily Completion Report

Report Date 6/24/2015
AFE # 1420225
Total AFE 4,687,800

AMERICAN ENERGY
PARTNERS

UNIVERSITY 09 0921H
AEPB WELL NO. 54

API 42383389370000	State TEXAS	County REAGAN	Well Config HORIZONTAL	Ground Elevation (ft) 2,645.00	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 5/5/2015	End Date																			
AFE Number 1420225		Supplemental AFE Number			Daily Field Est (Cost) 137,867		Cum Field Est (Cost) 2,076,804																				
Number of Stages (ft) 56		Lateral Length (ft) 9,872			Time Since LTI (days)		Time Since Reportable Incident (days)																				
Daily Contacts																											
Contacts COMP SUPER, JIMMY MOORE, LOOP; COMP SUP, JUSTIN STRINGER, LOOP; COMP SUPVR, TOMMY GOFORTH, CRSCNT; COMP SUPVR, MIKE WIBERG, CRSCNT																											
Daily Operations																											
Operations Summary 0 EHS ISSUES: 5.75 HRS NPT DUE COMM ISSUES TO SCREWS AND WAIT ON SAND (UPP): 3 STAGES FRAC'D ON WELL; 38-40 OF 56 AND PERF'D STAGES 39-41 OF 56 ; FRAC'D 9 STAGES ON PAD WITH UPP CREW; 3-WELL ZIPPER FRAC WITH UNIVERSITY 09 0902H AND 0912H. NO PUMPING OR WIRELINE ISSUES.																											
Planned Operations FRAC MULTIPLE STAGES																											
Time Log																											
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Activity	Inactive?	Comments		Unschd Typ	NPT																		
05:00	05:45	0.75	0.75	FRAC. JOB	No	FRAC STAGE 38																					
05:45	08:00	2.25	3.00	INACTIVE	Yes	WAIT ON SIMOPS. 1 HR NPT CHARGED TO 902																					
08:00	09:30	1.50	4.50	PERFORATING	No	PLUG AND PERF STAGE 39																					
09:30	10:45	1.25	5.75	INACTIVE	Yes	WAIT ON SIMOPS																					
10:45	11:45	1.00	6.75	GENERAL OPERATIONS	No	GREASE FRAC STACK AND ZIP MANIFOLD.																					
11:45	12:30	0.75	7.50	INACTIVE	Yes	WAIT ON SIMOPS																					
12:30	14:00	1.50	9.00	FRAC. JOB	No	FRAC STAGE 39																					
14:00	15:15	1.25	10.25	PERFORATING	No	PLUG AND PERF STAGE 40																					
15:15	17:30	2.25	12.50	INACTIVE	Yes	WAIT ON SIMOPS																					
17:30	19:00	1.50	14.00	DOWNTIME	No	1.5 HR NPT. UPP. COMMUNICATION TO SCREWS		EQUIPMENT REPAIRS	Yes																		
19:00	20:30	1.50	15.50	FRAC. JOB	No	FRAC STAGE 40																					
20:30	21:45	1.25	16.75	PERFORATING	No	PLUG AND PERF STAGE 41																					
21:45	00:45	3.00	19.75	INACTIVE	Yes	WAIT ON SIMOPS																					
00:45	05:00	4.25	24.00	DOWNTIME	No	W/O UPP SAND DELIVERY			Yes																		
NPT																											
Typ		SubTyp		Des		Start Date		End Date		Failed Item		Accountable Party		Dur (hr)													
SURFACE EQUIPMENT		BLENDER		EQUIPMENT REPAIRS		6/23/2015 17:30		6/23/2015 19:00				UNIVERSAL PRESSURE PUMPING INC		1.50													
MATERIALS		PROPPANT		WAITING ON SAND		6/24/2015 00:45		6/24/2015 05:00				UNIVERSAL PRESSURE PUMPING INC		4.25													
Safety Checks																											
Time		Type				Inspected By				Description																	
05:01		SAFETY MEETING				JUSTIN STRINGER / JIMMY MOORE				PRE TOUR SAFETY MEETING																	
17:00		SAFETY MEETING				TOMMY GOFORTH/ MIKE WIBERG				PRE TOUR SAFETY MEETING																	
Plug Details																											
Des		Top (ftKB)		Btm (ftKB)		OD (in)		ID (in)		Run Date		Pull Date		Com													
FRAC PLUG		11,408.0		11,410.0		4.67				6/23/2015				PLUG STAGE 39													
FRAC PLUG		11,228.0		11,230.0		4.67				6/23/2015				PLUG STAGE 40													
FRAC PLUG		11,058.0		11,060.0		4.67				6/23/2015				PLUG STAGE 41													
Perforation Intervals																											
Time		Zone				Top (ftKB)		Btm (ftKB)		Shot Dens (shots/ft)		Gun Size (in)		Com													
21:06		WOLFCAMP A, ORIGINAL HOLE				10,898.0		10,899.3		6.0		3 1/8		STAGE 41 PERFORATIONS													
21:06		WOLFCAMP A, ORIGINAL HOLE				10,933.0		10,934.3		6.0		3 1/8		STAGE 41 PERFORATIONS													
21:06		WOLFCAMP A, ORIGINAL HOLE				10,968.0		10,969.3		6.0		3 1/8		STAGE 41 PERFORATIONS													
21:06		WOLFCAMP A, ORIGINAL HOLE				11,002.0		11,003.3		6.0		3 1/8		STAGE 41 PERFORATIONS													
21:06		WOLFCAMP A, ORIGINAL HOLE				11,038.0		11,039.3		6.0		3 1/8		STAGE 41 PERFORATIONS													
14:30		WOLFCAMP A, ORIGINAL HOLE				11,073.0		11,074.3		6.0		3 1/8		STAGE 40 PERFORATIONS													
14:30		WOLFCAMP A, ORIGINAL HOLE				11,108.0		11,109.3		6.0		3 1/8		STAGE 40 PERFORATIONS													
14:30		WOLFCAMP A, ORIGINAL HOLE				11,136.0		11,137.3		6.0		3 1/8		STAGE 40 PERFORATIONS													
14:30		WOLFCAMP A, ORIGINAL HOLE				11,178.0		11,179.3		6.0		3 1/8		STAGE 40 PERFORATIONS													
14:30		WOLFCAMP A, ORIGINAL HOLE				11,210.0		11,211.3		6.0		3 1/8		STAGE 40 PERFORATIONS													
09:00		WOLFCAMP A, ORIGINAL HOLE				11,248.0		11,249.3		6.0		3 1/8		STAGE 39 PERFORATIONS													
09:00		WOLFCAMP A, ORIGINAL HOLE				11,283.0		11,284.3		6.0		3 1/8		STAGE 39 PERFORATIONS													
09:00		WOLFCAMP A, ORIGINAL HOLE				11,318.0		11,319.3		6.0		3 1/8		STAGE 39 PERFORATIONS													
09:00		WOLFCAMP A, ORIGINAL HOLE				11,353.0		11,354.3		6.0		3 1/8		STAGE 39 PERFORATIONS													
09:00		WOLFCAMP A, ORIGINAL HOLE				11,388.0		11,389.3		6.0		3 1/8		STAGE 39 PERFORATIONS													
Stimulations & Treatments																											
STAGE 38 - SAND FRAC on 6/23/2015 05:45																											
Date 6/23/2015		Type SAND FRAC				Zone WOLFCAMP A, ORIGINAL HOLE				Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC				Comment FRAC STAGE 38 OF 56													
P Pre SI (psi) 1,342.0		ISIP (psi) 2,762.0		P Post SI (psi) 2,135.0		5 min SI (psi) 1785		10 min SI (psi)		15 min SI (psi)		P Break (psi) 4,215.0		BD Rate (bbl/min) 10		Q Treat Min... 10		Q Treat Max... 81		Q Treat Avg... 69		Avg Treat Pr... 5,028.0		Proppant De... 245,000		Prop Placed... 245,734	
Max Treat Pressure (psi)				7,526.0				Avg Treat Pressure (psi) 5,028.0				Max Treat Rate (bbl/min)				81				Avg Treat Rate (bbl/min) 69				V clean+slurry (bbl) 5234.00			
Total Add Amount 100 MESH WHITE BULK SAND 34097 lb; 40/70 WHITE BULK SAND 211637 lb; ACID 2016 GAL; BIO 15-G BIOCID 111 gal; CIA-5 6 GAL; IR-1 6 GAL; NE-1 2 GAL; SURFACTANT ROCK ON 420 gal; WFR-5 FRICTION REDUCER 152 gal																											
STAGE 39 - SAND FRAC on 6/23/2015 05:45																											
Date 6/23/2015		Type SAND FRAC				Zone WOLFCAMP A, ORIGINAL HOLE				Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC				Comment FRAC STAGE 39 OF 56													
P Pre SI (psi) 1,396.0		ISIP (psi) 2,559.0		P Post SI (psi) 2,144.0		5 min SI (psi) 2012		10 min SI (psi)		15 min SI (psi)		P Break (psi) 4,454.0		BD Rate (bbl/min) 11		Q Treat Min... 11		Q Treat Max... 80		Q Treat Avg... 69		Avg Treat Pr... 4,858.0		Proppant De... 245,000		Prop Placed... 244,619	
Max Treat Pressure (psi)				7,222.0				Avg Treat Pressure (psi) 4,858.0				Max Treat Rate (bbl/min)				80				Avg Treat Rate (bbl/min) 69				V clean+slurry (bbl) 5162.00			
Total Add Amount 100 MESH WHITE BULK SAND 30000 lb; 40/70 WHITE BULK SAND 214619 lb; ACID 2016 GAL; BIO 15-G BIOCID 101 gal; CIA-5 6 GAL; IR-1 6 GAL; NE-1 2 GAL; SURFACTANT ROCK ON 415 gal; WFR-5 FRICTION REDUCER 153 gal																											
STAGE 40 - SAND FRAC on 6/23/2015 05:45																											
Date 6/23/2015		Type SAND FRAC				Zone WOLFCAMP A, ORIGINAL HOLE				Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC				Comment FRAC STAGE 40 OF 56													
P Pre SI (psi) 1,261.0		ISIP (psi) 2,504.0		P Post SI (psi) 1,854.0		5 min SI (psi) 1655		10 min SI (psi)		15 min SI (psi)		P Break (psi) 4,123.0		BD Rate (bbl/min) 10		Q Treat Min... 10		Q Treat Max... 81		Q Treat Avg... 74		Avg Treat Pr... 4,722.0		Proppant De... 245,000		Prop Placed... 247,219	
Max Treat Pressure (psi)				5,253.0				Avg Treat Pressure (psi) 4,722.0				Max Treat Rate (bbl/min)				81				Avg Treat Rate (bbl/min) 74				V clean+slurry (bbl) 5167.00			
Total Add Amount 100 MESH WHITE BULK SAND 32918 lb; 40/70 WHITE BULK SAND 214301 lb; ACID 2016 GAL; BIO 15-G BIOCID 103 gal; CIA-5 6 GAL; IR-1 6 GAL; NE-1 2 GAL; SURFACTANT ROCK ON 423 gal; WFR-5 FRICTION REDUCER 153 gal																											



AMERICAN ENERGY
PARTNERS

AMERICAN ENERGY - PERMIAN BASIN, LLC
Daily Completion Report

UNIVERSITY 09 0921H
AEPB WELL NO. 54

Report Date 6/25/2015
AFE # 1420225
Total AFE 4,687,800

API 42383389370000	State TEXAS	County REAGAN	Well Config HORIZONTAL	Ground Elevation (ft) 2,645.00	RKB (ft) 30.00	Well Status COMPLETION	Well Sub-Status COMPLETING	Completion Date
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Job Information

Job Category COMPLETION	Primary Job Type COMPLETION - ORIGINAL	Secondary Job Type	Start Date 5/5/2015	End Date
AFE Number 1420225	Supplemental AFE Number	Daily Field Est (Cost) 77,921	Cum Field Est (Cost)	2,154,857
Number of Stages (ft) 56	Lateral Length (ft) 9,872	Time Since LTI (days)	Time Since Reportable Incident (days)	

Daily Contacts

Contacts COMP SUPER, JIMMY MOORE, LOOP; COMP SUP, JUSTIN STRINGER, LOOP; COMP SUPVR, TOMMY GOFORTH, CRSCNT; COMP SUPVR, MIKE WIBERG, CRSCNT
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Daily Operations

Operations Summary 0 EHS ISSUES: 18.75 HRS NPT DUE LOSING WL BHA IN HOLE & WO SAND DELIVERY: 1 STAGES FRAC'D ON WELL; 41 OF 56 AND PERF'D STAGES 42 OF 56 ; FRAC'D 3 STAGES ON PAD WITH UPP CREW; 3-WELL ZIPPER FRAC WITH UNIVERSITY 09 0902H AND 0912H. NO PUMPING ISSUES. WL BHA LOST IN HOLE, CT RU AND PERFORMING FISH OPERATION AT REPORT TIME.

Planned Operations FISH BHA & FRAC MULTIPLE STAGES

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	DOWNTIME	No	WAITING ON SAND TO BE DELIVERED	WAITING ON MATERIALS	Yes
08:00	09:30	1.50	4.50	FRAC. JOB	No	FRAC STAGE 41		
09:30	10:15	0.75	5.25	PERFORATING	No	PLUG AND PERF STAGE 42		
10:15	13:15	3.00	8.25	PERFORATING	No	WHILE COMING OOH, STUCK TOOL @ 8180, PUMP DOWN, FREE UP TO 8300'. TRIED TO PU, UNSUCCESSFUL. PUMP DOWN TO 90 DEGREE TO 8500'. PU WAS UNSUCCESSFUL. PUMP DOWN TO 8890'. SURGED WELL WITH PB MANIFOLD WHILE HAVING 3800 LBS OF LINE TENSION. POPPED FREE, BEGIN MOVING UP HOLE WITH DEBRI PULLING HEAVY TO KOP. SIW @ FB MANIFOLD. POOH PULLING HEAVY @ 125 FPM 1400LBS. CONTINUE OOH FLOWING BACK @ 1 1/2 BBLs ON RETURNS 400 PSI ON WH. PULLED HEAVY @ DEPTH OF 3160' (STUCK) . PUMP BACK DOWN 3310' @ 20 BPM (TOOL FREE) START BACK OOH, PULLED BACK INTO IT @ 3150. SURGED WELL, UNABLE TO MOVE. TRYING PUMPING DOWN AND @ 20 BPM, NO MOVEMENT. WORK LINE WEIGHT TO 1760 LBS, PULLED OOH ROPE SOCKET. POOH. SI WHP (350) PSI. (CLEAN BREAK) NO LINE IN HOLE.		
13:15	20:30	7.25	15.50	DOWNTIME	No	RD WL BOPS AND WAIT FOR CT TO ARRIVE WITH CONQUEST 2 5/8 UNIT TO RU AND RIH TO FISH OUT GUNS AT 8500 FT	WAITING ON EQUIPMENT	Yes
20:30	02:00	5.50	21.00	RIG UP/DOWN	No	MIRU CONQUEST 2-5/8 CTU AND ASSOCIATED EQUIPMENT. FUNCTION TEST BOPS. NU BHA CONSISTING OF 2.875" WELD ON X-OVER, 2.875" JARS, 2.875" HYD. RELEASE, 2.875" CIRC SUB, 2.875" INDEX TOOL, 3.875 OVERSHOT ASSY. TOTAL LENGTH 18.2' TEST AT 1000,5000 AND 8500 PSIG PRIOR TO COMMENCING FISHING OPS TO RECOVER WL BHA.		Yes
02:00	05:00	3.00	24.00	CLEAN OUT	No	CT FISH OPS TO RECOVER WL BHA		Yes

NPT

Problem Type DOWNHOLE EQUIPMENT	SubTyp WIRELINE	Description PULLED OUT OF ROPE SOCKET AT 3100 FT	Start Date 6/24/2015	End Date	Failed Item	Accountable Party CASEDHOLE SOLUTIONS, INC.	Dur...
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NPT

Typ	SubTyp	Des	Start Date	End Date	Failed Item	Accountable Party	Dur (hr)
MATERIALS	PROPPANT	WAITING ON SAND	6/24/2015 00:45	6/24/2015 08:00		UNIVERSAL PRESSURE PUMPING INC	7.25

Safety Checks

Time	Type	Inspected By	Description
05:01	SAFETY MEETING	JUSTIN STRINGER / JIMMY MOORE	PRE TOUR SAFETY MEETING
17:00	SAFETY MEETING	TOMMY GOFORTH/ MIKE WIBERG	PRE TOUR SAFETY MEETING
01:45	SAFETY MEETING	TOMMY GOFORTH/ MIKE WIBERG	PRE TRIP IN HOLE SAFETY MEETING

Plug Details

Des	Top (ftKB)	Btm (ftKB)	OD (in)	ID (in)	Run Date	Pull Date	Com
FRAC PLUG	10,883.0	10,885.0	4.67		6/24/2015		PLUG STAGE 42

Perforation Intervals

Time	Zone	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Gun Size (in)	Com
10:30	WOLFCAMP A, ORIGINAL HOLE	10,723.0	10,724.3	6.0	3 1/8	STAGE 42 PERFORATIONS
10:30	WOLFCAMP A, ORIGINAL HOLE	10,758.0	10,759.3	6.0	3 1/8	STAGE 42 PERFORATIONS
10:30	WOLFCAMP A, ORIGINAL HOLE	10,793.0	10,794.3	6.0	3 1/8	STAGE 42 PERFORATIONS
10:30	WOLFCAMP A, ORIGINAL HOLE	10,828.0	10,829.3	6.0	3 1/8	STAGE 42 PERFORATIONS
10:30	WOLFCAMP A, ORIGINAL HOLE	10,863.0	10,864.3	6.0	3 1/8	STAGE 42 PERFORATIONS

Stimulations & Treatments

STAGE 41 - SAND FRAC on 6/24/2015 09:50

Date 6/24/2015		Type SAND FRAC			Zone WOLFCAMP A, ORIGINAL HOLE			Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC		Comment FRAC STAGE 41 OF 56			
P Pre SI (psi) 1,216.0	ISIP (psi) 2,824.0	P Post SI (psi) 2,405.0	5 min SI (psi) 2281	10 min SI (psi)	15 min SI (psi)	P Break (psi) 4,503.0	BD Rate (bbl/min) 10	Q Treat Min... 10	Q Treat Max... 81	Q Treat Avg... 69	Avg Treat Pr... 4,722.0	Proppant De... 245,000	Prop Placed... 246,272
Max Treat Pressure (psi) 7,176.0			Avg Treat Pressure (psi) 4,722.0			Max Treat Rate (bbl/min) 81			Avg Treat Rate (bbl/min) 69			V clean+slurry (bbl) 5184.00	

Total Add Amount 100 MESH WHITE BULK SAND 32017 lb; 40/70 WHITE BULK SAND 214255 lb; ACID 2016 GAL; BIO 15-G BIOCID 110 gal; CIA-5 6 GAL; IR-1 6 GAL; NE-1 2 GAL; SURFACTANT ROCK ON 411 gal; WR-4 FRICTION REDUCER 162 gal
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AMERICAN ENERGY - PERMIAN BASIN, LLC
Daily Completion Report

Report Date 6/26/2015
AFE # 1420225
Total AFE 4,687,800

UNIVERSITY 09 0921H
AEPB WELL NO. 54

API 42383389370000	State TEXAS	County REAGAN	Well Config HORIZONTAL	Ground Elevation (ft) 2,645.00	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 5/5/2015	End Date					
AFE Number 1420225		Supplemental AFE Number			Daily Field Est (Cost) 179,703		Cum Field Est (Cost) 2,338,350						
Number of Stages (ft) 56		Lateral Length (ft) 9,872			Time Since LTI (days)		Time Since Reportable Incident (days)						
Daily Contacts													
Contacts COMP SUPER, JIMMY MOORE, LOOP; COMP SUP, JUSTIN STRINGER, LOOP; COMP SUPVR, TOMMY GOFORTH, CRSCNT; COMP SUPVR, MIKE WIBERG, CRSCNT													
Daily Operations													
Operations Summary 0 EHS ISSUES: 11 HRS NPT DUE LOSING WL BHA IN HOLE: 2 STAGES FRAC'D ON WELL; 42-43 OF 56 AND PERF'D STAGES 43-44 OF 56 ; FRAC'D 5 STAGES ON PAD WITH UPP CREW; 3-WELL ZIPPER FRAC WITH UNIVERSITY 09 0902H AND 0912H.													
Planned Operations FISH BHA & FRAC MULTIPLE STAGES													
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	CLEAN OUT	No	RIH, MAKE WT CHECK @ 7300' CTM. BRING ON PUMP 1.5 BPM, OPEN FB, BBL IN AND OUT (2027 PSI) CIRC. (1743) WH. TAG FISH @ 8790' CTM (2276) CIRC. (1732) WH. CIH PUSHING FISH. TAG @ 10802' CTM, PU BRING OFF PUMP. RBIH TO SAME DEPTH. SET DOWN 7K, BRING ON FLUID PUMP TO 1.5 BPM. CIRCULATION PRESSURE CAME UP TO 3400 PSI, GIVING GOOD INDICATION THAT TOOL OVER FISH. PU 3XS SETTING DOWN @ SAME DEPTH. PAINT COIL, START OOH @ 35FPM.			Yes				
10:00	11:00	1.00	6.00	CLEAN OUT HOLE	No	BUMP UP. SIW. PU OFF TREE. (FISH ON). INSPECT TOOL. HAD NO VISUAL SCARRING AND FOUND NO DEBRI INSIDE BARREL OF OVERSHOT. SWING CRANE OVER WITH INJECTOR. PREP TO PUMP HIGH RATE AND VISC SWEEP WITH UPP FRAC.			Yes				
11:00	11:45	0.75	6.75	CLEAN OUT HOLE	No	EQUALIZE TO WELL. EST RATE, STEP UP RATE IN 10 BBL INCREMENTS TO 50 BPM. STABILIZE PRESSURE @ 5200 PSI. PUMPED 482 BBLS TOTAL AND SD. ISIP 3086. SIW. BLEED OFF LINES, PROCEDE COIL RD.			Yes				
11:45	16:00	4.25	11.00	RIG UP/DOWN	No	FINISH RIGGING DOWN CT AND MOVE EQUIPMENT.			Yes				
16:00	18:30	2.50	13.50	GENERAL OPERATIONS	No	PREP LOCATION AND EQUIPMENT TO BEGIN FRAC OPERATIONS.							
18:30	19:00	0.50	14.00	PRESSURE TEST	No	PRESSURE TEST LINES TO 8500 PSI. (GOOD)							
19:00	20:30	1.50	15.50	FRAC. JOB	No	FRAC STAGE 42							
20:30	22:30	2.00	17.50	PERFORATING	No	PLUG AND PERF STAGE 43							
22:30	23:15	0.75	18.25	GENERAL OPERATIONS	No	GREASE FRAC STACK							
23:15	01:15	2.00	20.25	INACTIVE	No	WAIT ON SIM OPS							
01:15	03:00	1.75	22.00	FRAC. JOB	No	FRAC STAGE 43							
03:00	04:30	1.50	23.50	PERFORATING	No	PLUG AND PERF STAGE 44							
NPT													
Typ	SubTyp	Des			Start Date	End Date	Failed Item	Accountable Party	Dur (hr)				
DOWNHOLE EQUIPMENT	WIRELINE	PULLED OUT OF ROPE SOCKET AT 3100 FT			6/24/2015 13:15	6/25/2015 16:00		CASEDHOLE SOLUTIONS, INC.	26.75				
Safety Checks													
Time	Type				Inspected By		Description						
05:01	SAFETY MEETING				JUSTIN STRINGER / JIMMY MOORE		PRE TOUR SAFETY MEETING						
17:00	SAFETY MEETING				TOMMY GOFORTH/ MIKE WIBERG		PRE TOUR SAFETY MEETING						
Plug Details													
Des		Top (ftKB)	Btm (ftKB)	OD (in)	ID (in)	Run Date	Pull Date	Com					
FRAC PLUG		10,708.0	10,710.0	4.67		6/25/2015		PLUG STAGE 43					
FRAC PLUG		10,536.0	10,538.0	4.67		6/26/2015		PLUG STAGE 44					
Perforation Intervals													
Time	Zone		Top (ftKB)		Btm (ftKB)		Shot Dens (shots/ft)		Gun Size (in)	Com			
03:50	WOLFCAMP A, ORIGINAL HOLE		10,373.0		10,374.3		6.0		3 1/8	STAGE 44 PERFORATIONS			
03:50	WOLFCAMP A, ORIGINAL HOLE		10,408.0		10,409.3		6.0		3 1/8	STAGE 44 PERFORATIONS			
03:50	WOLFCAMP A, ORIGINAL HOLE		10,443.0		10,444.3		6.0		3 1/8	STAGE 44 PERFORATIONS			
03:50	WOLFCAMP A, ORIGINAL HOLE		10,478.0		10,479.3		6.0		3 1/8	STAGE 44 PERFORATIONS			
03:50	WOLFCAMP A, ORIGINAL HOLE		10,513.0		10,514.3		6.0		3 1/8	STAGE 44 PERFORATIONS			
20:52	WOLFCAMP A, ORIGINAL HOLE		10,548.0		10,549.3		6.0		3 1/8	STAGE 43 PERFORATIONS			
20:52	WOLFCAMP A, ORIGINAL HOLE		10,583.0		10,584.3		6.0		3 1/8	STAGE 43 PERFORATIONS			
20:52	WOLFCAMP A, ORIGINAL HOLE		10,616.0		10,617.3		6.0		3 1/8	STAGE 43 PERFORATIONS			
20:52	WOLFCAMP A, ORIGINAL HOLE		10,653.0		10,654.3		6.0		3 1/8	STAGE 43 PERFORATIONS			
20:52	WOLFCAMP A, ORIGINAL HOLE		10,685.0		10,686.3		6.0		3 1/8	STAGE 43 PERFORATIONS			
Stimulations & Treatments													
STAGE 42 - SAND FRAC on 6/25/2015 20:10													
Date 6/25/2015	Type SAND FRAC			Zone WOLFCAMP A, ORIGINAL HOLE		Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC		Comment FRAC STAGE 42 OF 56					
P Pre SI (psi) 1,101.0	ISIP (psi) 2,878.0	P Post SI (psi) 2,481.0	5 min SI (psi) 1875	10 min SI (psi)	15 min SI (psi)	P Break (psi) 3,850.0	BD Rate (bbl... 10	Q Treat Min... 10	Q Treat Max... 81	Q Treat Avg... 74	Avg Treat Pr... 4,823.0	Proppant De... 245,000	Prop Placed... 249,252
Max Treat Pressure (psi) 5,889.0			Avg Treat Pressure (psi) 4,823.0			Max Treat Rate (bbl/min) 81			Avg Treat Rate (bbl/min) 74			V clean+slurry (bbl) 4976.00	
Total Add Amount 100 MESH WHITE BULK SAND 34997 lb; 40/70 WHITE BULK SAND 214255 lb; ACID 2016 GAL; BIO 15-G BIOCIDE 105 gal; CIA-5 6 GAL; IR-1 6 GAL; NE-1 2 GAL; SURFACTANT ROCK ON 410 gal; WR-4 FRICTION REDUCER 159 gal													
STAGE 43 - SAND FRAC on 6/26/2015 02:55													
Date 6/26/2015	Type SAND FRAC			Zone WOLFCAMP A, ORIGINAL HOLE		Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC		Comment FRAC STAGE 43 OF 56					
P Pre SI (psi) 1,429.0	ISIP (psi) 2,445.0	P Post SI (psi) 1,932.0	5 min SI (psi) 1675	10 min SI (psi)	15 min SI (psi)	P Break (psi) 4,999.0	BD Rate (bbl... 10	Q Treat Min... 10	Q Treat Max... 81	Q Treat Avg... 74	Avg Treat Pr... 4,775.0	Proppant De... 245,000	Prop Placed... 245,814
Max Treat Pressure (psi) 5,314.0			Avg Treat Pressure (psi) 4,775.0			Max Treat Rate (bbl/min) 81			Avg Treat Rate (bbl/min) 74			V clean+slurry (bbl) 5042.00	
Total Add Amount 100 MESH WHITE BULK SAND 34054 lb; 40/70 WHITE BULK SAND 211760 lb; ACID 2016 GAL; BIO 15-G BIOCIDE 106 gal; CIA-5 6 GAL; IR-1 6 GAL; NE-1 2 GAL; SURFACTANT ROCK ON 422 gal; WR-4 FRICTION REDUCER 157 gal													

42383389370000	State TEXAS	County REAGAN	Well Config HORIZONTAL	Ground Elevation (ft) 2,645.00	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 5/5/2015	End Date					
AFE Number 1420225		Supplemental AFE Number			Daily Field Est (Cost) 149,564		Cum Field Est (Cost) 2,488,205						
Number of Stages (ft) 56		Lateral Length (ft) 9,872			Time Since LTI (days)		Time Since Reportable Incident (days)						
Daily Contacts													
Contacts COMP SUPER, JIMMY MOORE, LOOP; COMP SUP, JUSTIN STRINGER, LOOP; COMP SUPVR, TOMMY GOFORTH, CRSCNT; COMP SUPVR, MIKE WIBERG, CRSCNT													
Daily Operations													
Operations Summary 0 EHS ISSUES: 5.5 HRS NPT, ACTIVITY DELAYED DUE TO LIGHTNING : 3 STAGES FRAC'D ON WELL; 44--46 OF 56 AND PERF'D STAGES 45-47 OF 56 ; FRAC'D 9 STAGES ON PAD WITH UPP CREW; 3- WELL ZIPPER FRAC WITH UNIVERSITY 09 0902H AND 0912H. STARTING UP FRAC EQUIPMENT AT TOR													
Planned Operations FRAC MULTIPLE STAGES													
Time Log													
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Activity	Inactive?	Comments		Unschd Typ	NPT				
05:00	07:15	2.25	2.25	INACTIVE	Yes	WAITING ON SIM-OPS ON 09--0902H / 09-0912H							
07:15	09:00	1.75	4.00	FRAC. JOB	No	FRAC STAGE 44			Yes				
09:00	10:30	1.50	5.50	PERFORATING	No	PLUG AND PERFORATE STAGE 45			Yes				
10:30	11:00	0.50	6.00	GENERAL OPERATIONS	No	GREASE WELLHEAD AND ZIPPER MANIFOLD LEG			Yes				
11:00	13:30	2.50	8.50	INACTIVE	Yes	WAITING ON SIM-OPS ON 09--0902H / 09-0912H							
13:30	14:15	0.75	9.25	DOWNTIME	No	SWAP OUT PUMP, RETEST LINES.		EQUIPMENT REPAIRS	Yes				
14:15	15:30	1.25	10.50	FRAC. JOB	No	FRAC STAGE 45							
15:30	16:30	1.00	11.50	PERFORATING	No	PLUG AND PERFORATE STAGE 46							
16:30	19:30	3.00	14.50	INACTIVE	Yes	WAIT ON SIM OPS							
19:30	21:30	2.00	16.50	DOWNTIME	No	WEATHER DELAY DUE TO LIGHTNING		ENVIRONMENT	Yes				
21:30	23:30	2.00	18.50	FRAC. JOB	No	FRAC STAGE 46, SD IN MIDDLE OF STAGE TO REPLACE HYDRAULIC GAUGE ON BLENDER.							
23:30	01:00	1.50	20.00	PERFORATING	No	PLUG AND PERFORATE STAGE 47							
01:00	04:30	3.50	23.50	DOWNTIME	No	WEATHER DELAY DUE TO LIGHTNING		ENVIRONMENT	Yes				
04:30	05:00	0.50	24.00	GENERAL OPERATIONS	No	STARTING FRAC EQUIPMENT AT REPORT TIME							
NPT													
Typ		SubTyp	Des			Start Date	End Date	Failed Item	Accountable Party	Dur (hr)			
DOWNHOLE EQUIPMENT		PUMP	SWAP OUT PUMP			6/25/2015 13:30	6/26/2015 14:15			24.75			
OTHER		WEATHER	LIGHTNING			6/26/2015 19:30	6/26/2015 21:30		AMERICAN ENERGY PERMIAN BASIN	2.00			
OTHER		WEATHER	LIGHTNING			6/27/2015 01:00	6/27/2015 04:30		AMERICAN ENERGY PERMIAN BASIN	3.50			
Safety Checks													
Time		Type				Inspected By		Description					
05:00		SAFETY MEETING				JUSTIN STRINGER / JIMMY MOORE		PRE TOUR SAFETY MEETING					
17:00		SAFETY MEETING				TOMMY GOFORTH/ MIKE WIBERG		PRE TOUR SAFETY MEETING					
Plug Details													
Des			Top (ftKB)	Btm (ftKB)	OD (in)	ID (in)	Run Date	Pull Date	Com				
FRAC PLUG			10,358.0	10,360.0	4.67		6/26/2015		PLUG STAGE 45				
FRAC PLUG			10,183.0	10,185.0	4.67		6/26/2015		PLUG STAGE 46				
FRAC PLUG			10,008.0	10,010.0	4.67		6/27/2015		PLUG STAGE 47				
Perforation Intervals													
Time	Zone			Top (ftKB)		Btm (ftKB)		Shot Dens (shots/ft)		Gun Size (in)		Com	
00:04	WOLFCAMP A, ORIGINAL HOLE			9,848.0		9,849.3		6.0		3 1/8		STAGE 47 PERFORATIONS	
00:04	WOLFCAMP A, ORIGINAL HOLE			9,883.0		9,884.3		6.0		3 1/8		STAGE 47 PERFORATIONS	
00:04	WOLFCAMP A, ORIGINAL HOLE			9,918.0		9,919.3		6.0		3 1/8		STAGE 47 PERFORATIONS	
00:04	WOLFCAMP A, ORIGINAL HOLE			9,953.0		9,954.3		6.0		3 1/8		STAGE 47 PERFORATIONS	
00:04	WOLFCAMP A, ORIGINAL HOLE			9,984.0		9,985.3		6.0		3 1/8		STAGE 47 PERFORATIONS	
16:02	WOLFCAMP A, ORIGINAL HOLE			10,023.0		10,024.3		6.0		3 1/8		STAGE 46 PERFORATIONS	
16:02	WOLFCAMP A, ORIGINAL HOLE			10,058.0		10,059.3		6.0		3 1/8		STAGE 46 PERFORATIONS	
16:02	WOLFCAMP A, ORIGINAL HOLE			10,093.0		10,094.3		6.0		3 1/8		STAGE 46 PERFORATIONS	
16:02	WOLFCAMP A, ORIGINAL HOLE			10,128.0		10,129.3		6.0		3 1/8		STAGE 46 PERFORATIONS	
16:02	WOLFCAMP A, ORIGINAL HOLE			10,163.0		10,164.3		6.0		3 1/8		STAGE 46 PERFORATIONS</	

API 42383389370000		State TEXAS	County REAGAN	Well Config HORIZONTAL	Ground Elevation (ft) 2,645.00	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 5/5/2015	End Date				
AFE Number 1420225			Supplemental AFE Number			Daily Field Est (Cost) 141,958		Cum Field Est (Cost) 2,630,163					
Number of Stages (ft) 56			Lateral Length (ft) 9,872			Time Since LTI (days)		Time Since Reportable Incident (days)					
Daily Contacts													
Contacts COMP SUPER, JIMMY MOORE, LOOP; COMP SUP, JUSTIN STRINGER, LOOP; COMP SUPVR, TOMMY GOFORTH, CRSCNT; COMP SUPVR, MIKE WIBERG, CRSCNT													
Daily Operations													
Operations Summary 0 EHS ISSUES: 0 HRS NPT: 3 STAGES FRAC'D ON WELL; 47-49 OF 56 AND PERF'D STAGES 48-50 OF 56 ; FRAC'D 9 STAGES ON PAD WITH UPP CREW; 3-WELL ZIPPER FRAC WITH UNIVERSITY 09 0902H AND 0912H. NO PUMPING OR WIRELINE ISSUES.													
Planned Operations FRAC MULTIPLE STAGES													
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	Yes	WAIT ON SIMOPS							
07:00	08:30	1.50	3.50	FRAC. JOB	No	FRAC STAGE 47							
08:30	09:00	0.50	4.00	GENERAL OPERATIONS	No	GREASE ZIP MANIFOLD, REHEAD WL.							
09:00	10:15	1.25	5.25	PERFORATING	No	PLUG AND PERFORATE STAGE 48							
10:15	10:45	0.50	5.75	GENERAL OPERATIONS	No	GREASE FRAC STACK							
10:45	17:00	6.25	12.00	INACTIVE	Yes	WAITING ON SIMOPS							
17:00	18:30	1.50	13.50	FRAC. JOB	No	FRAC STAGE 48							
18:30	19:45	1.25	14.75	PERFORATING	No	PLUG AND PERFORATE STAGE 49							
19:45	22:45	3.00	17.75	INACTIVE	Yes	WAITING ON SIMOPS							
22:45	00:45	2.00	19.75	FRAC. JOB	No	FRAC STAGE 49							
00:45	02:30	1.75	21.50	PERFORATING	No	PLUG AND PERFORATE STAGE 50							
02:30	05:00	2.50	24.00	INACTIVE	Yes	WAITING ON SIMOPS							
Safety Checks													
Time		Type			Inspected By			Description					
05:01		SAFETY MEETING			JUSTIN STRINGER / JIMMY MOORE			PRE TOUR SAFETY MEETING					
17:00		SAFETY MEETING			TOMMY GOFORTH/ MIKE WIBERG			PRE TOUR SAFETY MEETING					
Plug Details													
Des		Top (ftKB)	Btm (ftKB)	OD (in)	ID (in)	Run Date	Pull Date	Com					
FRAC PLUG		9,833.0	9,835.0	4.67		6/27/2015		PLUG STAGE 48					
FRAC PLUG		9,658.0	9,660.0	4.67		6/27/2015		PLUG STAGE 49					
FRAC PLUG		9,483.0	9,485.0	4.67		6/28/2015		PLUG STAGE 50					
Perforation Intervals													
Time	Zone			Top (ftKB)		Btm (ftKB)		Shot Dens (shots/ft)		Gun Size (in)	Com		
01:25	WOLFCAMP A, ORIGINAL HOLE			9,323.0		9,324.3		6.0		3 1/8	STAGE 50 PERFORATIONS		
01:25	WOLFCAMP A, ORIGINAL HOLE			9,358.0		9,359.3		6.0		3 1/8	STAGE 50 PERFORATIONS		
01:25	WOLFCAMP A, ORIGINAL HOLE			9,393.0		9,394.3		6.0		3 1/8	STAGE 50 PERFORATIONS		
01:25	WOLFCAMP A, ORIGINAL HOLE			9,428.0		9,429.3		6.0		3 1/8	STAGE 50 PERFORATIONS		
01:25	WOLFCAMP A, ORIGINAL HOLE			9,463.0		9,464.3		6.0		3 1/8	STAGE 50 PERFORATIONS		
19:06	WOLFCAMP A, ORIGINAL HOLE			9,498.0		9,499.3		6.0		3 1/8	STAGE 49 PERFORATIONS		
19:06	WOLFCAMP A, ORIGINAL HOLE			9,530.0		9,531.3		6.0		3 1/8	STAGE 49 PERFORATIONS		
19:06	WOLFCAMP A, ORIGINAL HOLE			9,568.0		9,569.3		6.0		3 1/8	STAGE 49 PERFORATIONS		
19:06	WOLFCAMP A, ORIGINAL HOLE			9,603.0		9,604.3		6.0		3 1/8	STAGE 49 PERFORATIONS		
19:06	WOLFCAMP A, ORIGINAL HOLE			9,638.0		9,639.3		6.0		3 1/8	STAGE 49 PERFORATIONS		
09:30	WOLFCAMP A, ORIGINAL HOLE			9,674.0		9,675.3		6.0		3 1/8	STAGE 48 PERFORATIONS		
09:30	WOLFCAMP A, ORIGINAL HOLE			9,708.0		9,709.3		6.0		3 1/8	STAGE 48 PERFORATIONS		
09:30	WOLFCAMP A, ORIGINAL HOLE			9,743.0		9,744.3		6.0		3 1/8	STAGE 48 PERFORATIONS		
09:30	WOLFCAMP A, ORIGINAL HOLE			9,776.0		9,777.3		6.0		3 1/8	STAGE 48 PERFORATIONS		
09:30	WOLFCAMP A, ORIGINAL HOLE			9,813.0		9,814.3		6.0		3 1/8	STAGE 48 PERFORATIONS		
Stimulations & Treatments													
STAGE 47 - SAND FRAC on 6/27/2015 08:30													
Date 6/27/2015	Type SAND FRAC			Zone WOLFCAMP A, ORIGINAL HOLE			Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC		Comment FRAC STAGE 47 OF 56				
P Pre SI (psi) 1,203.0	ISIP (psi) 2,393.0	P Post SI (psi) 2,059.0	5 min SI (psi) 1804	10 min SI (psi)	15 min SI (psi)	P Break (psi) 4,006.0	BD Rate (bbl/min) 10	Q Treat Min... 10	Q Treat Max... 80	Q Treat Avg... 73	Avg Treat Pr... 4,315.0	Proppant De... 245,000	Prop Placed... 246,485



AMERICAN ENERGY - PERMIAN BASIN, LLC
Daily Completion Report

Report Date 6/29/2015
AFE # 1420225
Total AFE 4,687,800

AMERICAN ENERGY
PARTNERS

UNIVERSITY 09 0921H
AEPB WELL NO. 54

API 42383389370000	State TEXAS	County REAGAN	Well Config HORIZONTAL	Ground Elevation (ft) 2,645.00	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 5/5/2015	End Date					
AFE Number 1420225		Supplemental AFE Number			Daily Field Est (Cost) 175,763		Cum Field Est (Cost) 2,805,926						
Number of Stages (ft) 56		Lateral Length (ft) 9,872			Time Since LTI (days)		Time Since Reportable Incident (days)						
Daily Contacts													
Contacts COMP SUPER, JIMMY MOORE, LOOP; COMP SUP, JUSTIN STRINGER, LOOP; COMP SUPVR, TOMMY GOFORTH, CRSCNT; COMP SUPVR, MIKE WIBERG, CRSCNT													
Daily Operations													
Operations Summary 0 EHS ISSUES: 0 HRS NPT: 4 STAGES FRAC'D ON WELL; 50-53 OF 56 AND PERF'D STAGES 51-54 OF 56 ; FRAC'D 12 STAGES ON PAD WITH UPP CREW; 3-WELL ZIPPER FRAC WITH UNIVERSITY 09 0902H AND 0912H. NO PUMPING OR WIRELINE ISSUES.													
Planned Operations FRAC MULTIPLE STAGES													
Time Log													
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Activity	Inactive?	Comments		Unschd Typ	NPT				
05:00	05:30	0.50	0.50	INACTIVE	Yes	WAITING ON SIMOPS							
05:30	06:45	1.25	1.75	FRAC. JOB	No	FRAC STAGE 50							
06:45	08:00	1.25	3.00	PERFORATING	No	PLUG AND PERFORATE STAGE 51							
08:00	12:30	4.50	7.50	INACTIVE	Yes	WAIT ON SIMOPS							
12:30	14:00	1.50	9.00	FRAC. JOB	No	FRAC STAGE 51							
14:00	15:15	1.25	10.25	PERFORATING	No	PLUG AND PERFORATE STAGE 52							
15:15	17:30	2.25	12.50	INACTIVE	Yes	WAIT ON SIMOPS							
17:30	19:30	2.00	14.50	FRAC. JOB	No	FRAC STAGE 52							
19:30	20:00	0.50	15.00	GENERAL OPERATIONS	No	WL REHEAD							
20:00	21:15	1.25	16.25	PERFORATING	No	PLUG AND PERFORATE STAGE 53							
21:15	23:30	2.25	18.50	INACTIVE	Yes	WAIT ON SIMOPS							
23:30	01:15	1.75	20.25	FRAC. JOB	No	FRAC STAGE 53							
01:15	02:30	1.25	21.50	GENERAL OPERATIONS	No	WL REHEAD							
02:30	03:45	1.25	22.75	PERFORATING	No	PLUG AND PERFORATE STAGE 54							
03:45	05:00	1.25	24.00	INACTIVE	No	WAIT ON SIMOPS. GREASE FRAC STACK							
Safety Checks													
Time		Type			Inspected By		Description						
05:01		SAFETY MEETING			JUSTIN STRINGER / JIMMY MOORE		PRE TOUR SAFETY MEETING						
17:00		SAFETY MEETING			TOMMY GOFORTH/ MIKE WIBERG		PRE TOUR SAFETY MEETING						
Plug Details													
Des		Top (ftKB)	Btm (ftKB)	OD (in)	ID (in)	Run Date	Pull Date	Com					
FRAC PLUG		9,304.0	9,306.0	4.67		6/28/2015		PLUG STAGE 51					
FRAC PLUG		9,133.0	9,135.0	4.67		6/28/2015		PLUG STAGE 52					
FRAC PLUG		8,958.0	8,960.0	4.67		6/28/2015		PLUG STAGE 53					
FRAC PLUG		8,783.0	8,785.0	4.67		6/29/2015		PLUG STAGE 54					
Perforation Intervals													
Time	Zone			Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Gun Size (in)	Com					
02:56	WOLFCAMP A, ORIGINAL HOLE			8,623.0	8,624.3	6.0	3 1/8	STAGE 54 PERFORATIONS					
02:56	WOLFCAMP A, ORIGINAL HOLE			8,658.0	8,659.3	6.0	3 1/8	STAGE 54 PERFORATIONS					
02:56	WOLFCAMP A, ORIGINAL HOLE			8,693.0	8,694.3	6.0	3 1/8	STAGE 54 PERFORATIONS					
02:56	WOLFCAMP A, ORIGINAL HOLE			8,728.0	8,729.3	6.0	3 1/8	STAGE 54 PERFORATIONS					
02:56	WOLFCAMP A, ORIGINAL HOLE			8,763.0	8,764.3	6.0	3 1/8	STAGE 54 PERFORATIONS					
20:26	WOLFCAMP A, ORIGINAL HOLE			8,798.0	8,799.3	6.0	3 1/8	STAGE 53 PERFORATIONS					
20:26	WOLFCAMP A, ORIGINAL HOLE			8,833.0	8,834.3	6.0	3 1/8	STAGE 53 PERFORATIONS					
20:26	WOLFCAMP A, ORIGINAL HOLE			8,868.0	8,869.3	6.0	3 1/8	STAGE 53 PERFORATIONS					
20:26	WOLFCAMP A, ORIGINAL HOLE			8,906.0	8,907.3	6.0	3 1/8	STAGE 53 PERFORATIONS					
20:26	WOLFCAMP A, ORIGINAL HOLE			8,938.0	8,939.3	6.0	3 1/8	STAGE 53 PERFORATIONS					
14:31	WOLFCAMP A, ORIGINAL HOLE			8,973.0	8,974.3	6.0	3 1/8	STAGE 52 PERFORATIONS					
14:31	WOLFCAMP A, ORIGINAL HOLE			9,008.0	9,009.3	6.0	3 1/8	STAGE 52 PERFORATIONS					
14:31	WOLFCAMP A, ORIGINAL HOLE			9,043.0	9,044.3	6.0	3 1/8	STAGE 52 PERFORATIONS					
14:31	WOLFCAMP A, ORIGINAL HOLE			9,078.0	9,079.3	6.0	3 1/8	STAGE 52 PERFORATIONS					
14:31	WOLFCAMP A, ORIGINAL HOLE			9,113.0	9,114.3	6.0	3 1/8	STAGE 52 PERFORATIONS					
07:25	WOLFCAMP A, ORIGINAL HOLE			9,148.0	9,149.3	6.0	3 1/8	STAGE 51 PERFORATIONS					
07:25	WOLFCAMP A, ORIGINAL HOLE			9,183.0	9,184.3	6.0	3 1/8	STAGE 51 PERFORATIONS					
07:25	WOLFCAMP A, ORIGINAL HOLE			9,216.0	9,217.3	6.0	3 1/8	STAGE 51 PERFORATIONS					
07:25	WOLFCAMP A, ORIGINAL HOLE			9,253.0	9,254.3	6.0	3 1/8	STAGE 51 PERFORATIONS					
07:25	WOLFCAMP A, ORIGINAL HOLE			9,288.0	9,289.3	6.0	3 1/8	STAGE 51 PERFORATIONS					
Stimulations & Treatments													
STAGE 50 - SAND FRAC on 6/28/2015 06:45													
Date 6/28/2015	Type SAND FRAC			Zone WOLFCAMP A, ORIGINAL HOLE		Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC		Comment FRAC STAGE 50 OF 56					
P Pre SI (psi) 1,472.0	ISIP (psi) 2,486.0	P Post SI (psi) 2,278.0	5 min SI (psi) 2075	10 min SI (psi)	15 min SI (psi)	P Break (psi) 4,090.0	BD Rate (bbl/min) 10	Q Treat Min... 10	Q Treat Max... 80	Q Treat Avg... 73	Avg Treat Pr... 4,983.0	Proppant De... 245,000	Prop Placed... 243,943
Max Treat Pressure (psi) 7,259.0			Avg Treat Pressure (psi) 4,983.0			Max Treat Rate (bbl/min) 80			Avg Treat Rate (bbl/min) 73			V clean+slurry (bbl) 4785.00	
Total Add Amount 100 MESH WHITE BULK SAND 31001 lb; 40/70 WHITE BULK SAND 214941 lb; ACID 2016 GAL; BIO 15-G BIOCIDE 86 gal; CIA-5 6 GAL; IR-1 6 GAL; NE-1 2 GAL; SURFACTANT ROCK ON 401 gal; WR-4 FRICTION REDUCER 103 gal													
STAGE 51 - SAND FRAC on 6/28/2015 13:45													
Date 6/28/2015	Type SAND FRAC			Zone WOLFCAMP A, ORIGINAL HOLE		Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC		Comment FRAC STAGE 51 OF 56					
P Pre SI (psi) 1,511.0	ISIP (psi) 2,928.0	P Post SI (psi) 2,810.0	5 min SI (psi) 1850	10 min SI (psi)	15 min SI (psi)	P Break (psi) 3,977.0	BD Rate (bbl/min) 10	Q Treat Min... 11	Q Treat Max... 81	Q Treat Avg... 74	Avg Treat Pr... 4,689.0	Proppant De... 245,000	Prop Placed... 242,943
Max Treat Pressure (psi) 7,309.0			Avg Treat Pressure (psi) 4,689.0			Max Treat Rate (bbl/min) 81			Avg Treat Rate (bbl/min) 74			V clean+slurry (bbl) 4865.00	
Total Add Amount 100 MESH WHITE BULK SAND 30003 lb; 40/70 WHITE BULK SAND 212940 lb; ACID 2016 GAL; BIO 15-G BIOCIDE 99 gal; CIA-5 6 GAL; IR-1 6 GAL; NE-1 2 GAL; SURFACTANT ROCK ON 405 gal; WR-4 FRICTION REDUCER 151 gal													
STAGE 52 - SAND FRAC on 6/28/2015 19:19													
Date 6/28/2015	Type SAND FRAC			Zone WOLFCAMP A, ORIGINAL HOLE		Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC		Comment FRAC STAGE 52 OF 56					
P Pre SI (psi) 1,483.0	ISIP (psi) 2,928.0	P Post SI (psi) 2,426.0	5 min SI (psi) 1725	10 min SI (psi)	15 min SI (psi)	P Break (psi) 4,148.0	BD Rate (bbl/min) 10	Q Treat Min... 10	Q Treat Max... 81	Q Treat Avg... 76	Avg Treat Pr... 5,043.0	Proppant De... 245,000	Prop Placed... 244,534
Max Treat Pressure (psi) 6,766.0			Avg Treat Pressure (psi) 5,043.0			Max Treat Rate (bbl/min) 81			Avg Treat Rate (bbl/min) 76			V clean+slurry (bbl) 4978.00	
Total Add Amount 100 MESH WHITE BULK SAND 33954 lb; 40/70 WHITE BULK SAND 210580 lb; ACID 2016 GAL; BIO 15-G BIOCIDE 106 gal; CIA-5 6 GAL; IR-1 6 GAL; NE-1 2 GAL; SURFACTANT ROCK ON 420 gal; WR-4 FRICTION REDUCER 154 gal													



UNIVERSITY 09 0921H
AEPB WELL NO. 54

Report Date	6/29/2015
AFE #	1420225
Total AFE	4,687,800

Stimulations & Treatments													
STAGE 52 - SAND FRAC on 6/29/2015 01:05													
Date 6/29/2015	Type SAND FRAC			Zone WOLFCAMP A, ORIGINAL HOLE			Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC			Comment FRAC STAGE 53 OF 56			
P Pre SI (psi) 1,580.0	ISIP (psi) 3,038.0	P Post SI (psi) 2,411.0	5 min SI (psi) 1989	10 min SI (psi)	15 min SI (psi)	P Break (psi) 4,162.0	BD Rate (bbl... 10	Q Treat Min... 11	Q Treat Max... 81	Q Treat Avg... 78	Avg Treat Pr... 5,017.0	Proppant De... 245,000	Prop Placed... 249,682
Max Treat Pressure (psi) 7,215.0			Avg Treat Pressure (psi) 5,017.0			Max Treat Rate (bbl/min) 81			Avg Treat Rate (bbl/min) 78			V clean+slurry (bbl) 5009.00	
Total Add Amount 100 MESH WHITE BULK SAND 30242 lb; 40/70 WHITE BULK SAND 219440 lb; ACID 2016 GAL; BIO 15-G BIOCIDE 108 gal; CIA-5 6 GAL; IR-1 6 GAL; NE-1 2 GAL; SURFACTANT ROCK ON 417 gal; WR-4 FRICTION REDUCER 160 gal													

STAGE 56 - SAND FRAC on 6/29/2015 20:23													
Date 6/29/2015	Type SAND FRAC			Zone WOLFCAMP A, ORIGINAL HOLE			Stim/Treat Company UNIVERSAL PRESSURE PUMPING, INC			Comment FRAC STAGE 56 OF 56			
P Pre SI (psi) 1,730.0	ISIP (psi) 3,179.0	P Post SI (psi) 3,169.0	5 min SI (psi) 2432	10 min SI (psi)	15 min SI (psi)	P Break (psi) 4,342.0	BD Rate (bbl... 11	Q Treat Min... 11	Q Treat Max... 81	Q Treat Avg... 78	Avg Treat Pr... 5,141.0	Proppant De... 245,000	Prop Placed... 250,745
Max Treat Pressure (psi) 7,958.0			Avg Treat Pressure (psi) 5,141.0			Max Treat Rate (bbl/min) 81			Avg Treat Rate (bbl/min) 78			V clean+slurry (bbl) 4939.00	
Total Add Amount 100 MESH WHITE BULK SAND 30005 lb; 40/70 WHITE BULK SAND 220740 lb; ACID 2016 GAL; BIO 15-G BIOCID 112 gal; CIA-5 6 GAL; IR-1 6 GAL; NE-1 2 GAL; SURFACTANT ROCK ON 424 gal; WR-4 FRICTION REDUCER 142 gal													



AMERICAN ENERGY
PARTNERS

AMERICAN ENERGY - PERMIAN BASIN, LLC
Daily Completion Report

UNIVERSITY 09 0921H
AEPB WELL NO. 54

Report Date 7/1/2015
AFE # 1420225
Total AFE 4,687,800

API 42383389370000	State TEXAS	County REAGAN	Well Config HORIZONTAL	Ground Elevation (ft) 2,645.00	RKB (ft) 30.00	Well Status COMPLETION	Well Sub-Status COMPLETING	Completion Date
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Job Information

Job Category COMPLETION	Primary Job Type COMPLETION - ORIGINAL	Secondary Job Type	Start Date 5/5/2015	End Date
AFE Number 1420225	Supplemental AFE Number	Daily Field Est (Cost) 7,023	Cum Field Est (Cost) 2,961,586	
Number of Stages (ft) 56	Lateral Length (ft) 9,872	Time Since LTI (days)	Time Since Reportable Incident (days)	

Daily Contacts

Contacts COMP SUPER, JIMMY MOORE, LOOP; COMP SUP, JUSTIN STRINGER, LOOP; COMP SUPVR, TOMMY GOFORTH, CRSCNT; COMP SUPVR, MIKE WIBERG, CRSCNT
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Daily Operations

Operations Summary RDMO FRAC AND ALL 3RD PARTY SERVICES
Planned Operations RDMO FRAC AND ALL 3RD PARTY SERVICES

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		No	RDMO FRAC AND ALL 3RD PARTY SERVICES WELL SHUT IN / SECURE WAITING ON DRILL OUT		

Safety Checks

Time	Type	Inspected By	Description
05:01	SAFETY MEETING	EDDIE LEASURE / CODY O'KEEFE	PRE TOUR SAFETY MEETING

Perforation Intervals

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

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UNIVERSITY 09 0921H
AEPB WELL NO. 54

Report Date	7/2/2015
AFE #	1420225
Total AFE	4,687,800

Job Information				
Job Category COMPLETION	Primary Job Type COMPLETION - ORIGINAL	Secondary Job Type	Start Date 5/5/2015	End Date
AFE Number 1420225	Supplemental AFE Number	Daily Field Est (Cost) 175	Cum Field Est (Cost) 2,967,720	
Number of Stages (ft) 56	Lateral Length (ft) 9,872	Time Since LTI (days)	Time Since Reportable Incident (days)	

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

Operations Summary
NO ACTIVITY, WELL SHUT IN WAITNG ON DRILLOUT ON 0912
Planned Operations
WELL SHUT IN WAITNG ON DRILLOUT ON 0912

Start Time	End Time	Dur (hr)	Cum Dur (hr)	Activity	Inactive?	Comments	Unschd Typ	NPT
05:00	05:00	24.00	24.00	INACTIVE	Yes	WELL SHUT IN WAITNG ON DRILLOUT ON 0912		

Time	Type	Inspected By	Description

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



UNIVERSITY 09 0921H
AEPB WELL NO. 54

Report Date	7/3/2015
AFE #	1420225
Total AFE	4,687,800

Job Information				
Job Category COMPLETION	Primary Job Type COMPLETION - ORIGINAL	Secondary Job Type	Start Date 5/5/2015	End Date
AFE Number 1420225	Supplemental AFE Number	Daily Field Est (Cost)	Cum Field Est (Cost)	
Number of Stages (ft)	Lateral Length (ft)	Time Since LTI (days)	175	2,967,895
56	9,872			

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

Operations Summary
NO ACTIVITY, WELL SHUT IN WAITNG ON DRILLOUT ON 0912
Planned Operations
WELL SHUT IN WAITNG ON DRILLOUT ON 0912

Start Time	End Time	Dur (hr)	Cum Dur (hr)	Activity	Inactive?	Comments	Unschd Typ	NPT
05:00	05:00	24.00	24.00	INACTIVE	No	WELL SHUT IN WAITNG ON 0912 DRILLOUT		

Time	Type	Inspected By	Description

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

UNIVERSITY 09 0921H

AEPB WELL NO. 54

API 42383389370000	State TEXAS	County REAGAN	Well Config HORIZONTAL	Ground Elevation (ft) 2,645.00	RKB (ft) 30.00	Well Status COMPLETION	Well Sub-Status COMPLETING	Completion Date
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Job Information								
Job Category COMPLETION			Primary Job Type COMPLETION - ORIGINAL			Secondary Job Type		Start Date 5/5/2015
AFE Number 1420225			Supplemental AFE Number			Daily Field Est (Cost) 175		Cum Field Est (Cost) 2,968,070
Number of Stages (ft) 56			Lateral Length (ft) 9,872			Time Since LTI (days)		Time Since Reportable Incident (days)

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

Daily Operations								
Operations Summary NO ACTIVITY, WELL SHUT IN WAITNG ON DRILLOUT ON 0912								
Planned Operations WELL SHUT IN WAITNG ON DRILLOUT ON 0912								

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	INACTIVE	No	WELL SHUT IN WAITNG ON 0912 DRILLOUT		

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 0921H
AEPB WELL NO. 54

Report Date	7/5/2015
AFE #	1420225
Total AFE	4,687,800

Job Information				
Job Category COMPLETION	Primary Job Type COMPLETION - ORIGINAL	Secondary Job Type	Start Date 5/5/2015	End Date
AFE Number 1420225	Supplemental AFE Number	Daily Field Est (Cost)	Cum Field Est (Cost)	
Number of Stages (ft)	Lateral Length (ft)	Time Since LTI (days)	175	2,968,245
56	9,872			

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

Operations Summary
0 EHS ISSUES; 0 NPT; MIRU NABORS COMPLETION RIG AND SUPPORT EQUIPMENT
Planned Operations
DRILL OUT PLUGS

Start Time	End Time	Dur (hr)	Cum Dur (hr)	Activity	Inactive?	Comments	Unschd Typ	NPT
05:00	01:00	20.00	20.00	INACTIVE	No	WELL SHUT IN WAITNG ON 0912 DRILLOUT		
01:00	05:00	4.00	24.00	RIG UP/DOWN	No	MIRU NABORS COMPLETION RIG AND SUPPORT EQUIPMENT.		

Time	Type	Inspected By	Description

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 0921H
AEPB WELL NO. 54

Report Date 7/6/2015
AFE # 1420225
Total AFE 4,687,800

API 42383389370000		State TEXAS	County REAGAN	Well Config HORIZONTAL	Ground Elevation (ft) 2,645.00	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 5/5/2015	End Date	
AFE Number 1420225			Supplemental AFE Number			Daily Field Est (Cost) 38,975		Cum Field Est (Cost) 3,007,220		
Number of Stages (ft) 56			Lateral Length (ft) 9,872			Time Since LTI (days)		Time Since Reportable Incident (days)		
Daily Contacts										
Contacts COMP SUP, DAN CURTIS, LOOP; COMP SUPER, WES WILSON, LOOP										
Daily Operations										
Operations Summary 0 EHS ISSUES; 0 NPT; DRILLOUT KILL PLUG AND 13 PLUGS 55-43 OF 55 WITH NABORS COMPLETION RIG; AVG WHP 500 PSI; AVG CIRC PRESS 2500 PSI; AVG DT 6 MIN; RETURNS MEDIUM SAND AND SMALL PLUG PARTS										
Planned Operations DRILL OUT PLUGS										
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	RIG UP/DOWN	No	FINISH MIRU NABORS COMPLETION RIG AND SUPPORT EQUIPMENT.				
07:00	07:15	0.25	2.25	SAFETY MEETING	No	DAY CREW: DISCUSSED TODAY'S ACTIVITIES, PINCHPOINTS, TRIP HAZRADS, MANLIF AND FORKLIFT SAFETY, COMMUNICATION, KEEP HYDRATED, EMERGENCY PROCEDURES, RANCH RULES, SPEED LIMIT, HOUSE KEEPING.				
07:15	09:45	2.50	4.75	RIG UP/DOWN	No	CONTINUE RIGGING IN FLOWBACK AND PUMPS, LAYDOWN MACHINE, PIPE RACKS, MOVE PIPE OVER TO PIPE RACKS, TALLEY PIPE,				
09:45	10:30	0.75	5.50	PRESSURE TEST	No	CLOSE BLANKS ON BOP'S, OPEN ALL VALVES , WASH THROUGH FLOWCROSS AND FLOWBACK EQUIPMENT. CLOSE CHOKE ON MAINFOLD AND TEST TO 500 LOW AND 4500 HIG AND HELD FOR 10 MIN. GOOD TEST.				
10:30	11:15	0.75	6.25	RIG UP/DOWN	No	PICKUP TOP NOTCH BHA. TEST MOTOR @ 3000 PSI 3 BPM... GOOD TEST.				
						TOOL DESCRIPTION: 1. R NIPPLE O.D. 3.33 I.D. 2.265 1.13' LONG (1) JOINT 2. FLOAT SUB O.D. 3.59 1.D. 2.25 1.49' LONG (1) JOINT 3. FLOAT SUB O.D. 3.42 I.D. 2.25 1.82' LONG 4. X- OVER O.D. 3.26 I.D. 1.35 0.55' LONG 5. JARS O.D. 2.875 I.D. 1.00 5.05' LONG 6. AV SUB O.D. 2.875 I.D. 0.72 1.00' LONG 7. DUAL FLAP O.D. 2.875 I.D. 1.00 1.41' LONG 8. NOV MOTOR O.D. 2.875 I.D. X.XX 13.0' LONG 9. X-OVER O.D.3.670 I.D. 1.375 1.00' LONG 10. JZ BIT O.D. 4.625 I.D. 1.320 0.50' LONG				
11:15	11:15		6.25	TRIPPING	No	OPEN MASTER VALVE 0 PSI ON WELL. BEGIN TRIPPING IN HOLE WITH BHA AND 2 7/8 PH06 7.9 LB. TUBING.				
11:15	17:00	5.75	12.00	TRIPPING	No	RUN IN HOLE TO KILL PLUG @ 7006' JOINT #225 , INSTALL SWIVEL AND ADJUST RATE FOR 6 BPM IN AND 6 BPM OUT.				
17:00	17:30	0.50	12.50	CLEAN OUT	No	TAG UP ON KILL PLUG ON JOINT #225 DEPTH: 7706' RATE: 6 BPM IN AND 6 BPM OUT DRILL TIME : 9 MIN CIRCULATING PRESSURE: 3000 FCP: 1000 PSI SWEEP: 5 BBL 80 VISC PLUG PARTS: SMALL PLUG PARTS / LIGHT SAND WASH DOWN TO PLUG #55				
17:30	19:00	1.50	14.00	CLEAN OUT	No	WASHING DOWN TO PLUG #55				
19:00	19:15	0.25	14.25	SAFETY MEETING	No	NIGHT CREW: DISCUSSED PINCHPOINTS, TRIP HAZARDS, NIGHT WORK. WELL PRESSURE, COMMUNICATION				
19:15	20:15	1.00	15.25	CLEAN OUT	No	WASHING DOWN TO PLUG #55				
20:15	21:00	0.75	16.00	CLEAN OUT	No	TAG PLUG #55 OF 55 W/JT #271 DEPTH: 8427' RATE: 6 BPM IN AND 6 BPM OUT DRILL TIME : 5 MIN CIRCULATING PRESSURE: 2200 FCP: 725 PSI SWEEP: 5 BBL 80 VISC PLUG PARTS: SMALL PLUG PARTS / LIGHT SAND WASH DOWN TO NEXT PLUG				
21:00	21:30	0.50	16.50	CLEAN OUT	No	TAG PLUG #54 OF 55 W/JT #277 DEPTH: 8608' RATE: 6 BPM IN AND 6 BPM OUT DRILL TIME : 5 MIN CIRCULATING PRESSURE: 2200 FCP: 700 PSI SWEEP: 5 BBL 80 VISC PLUG PARTS: SMALL PLUG PARTS / LIGHT SAND WASH DOWN TO NEXT PLUG				
21:30	22:00	0.50	17.00	CLEAN OUT	No	TAG PLUG #53 OF 55 W/JT #282 DEPTH: 8783' RATE: 6 BPM IN AND 6 BPM OUT DRILL TIME : 7 MIN CIRCULATING PRESSURE: 2250 FCP: 650 PSI SWEEP: 5 BBL 80 VISC PLUG PARTS: SMALL PLUG PARTS / LIGHT SAND WASH DOWN TO NEXT PLUG				
22:00	22:30	0.50	17.50	CLEAN OUT	No	TAG PLUG #52 OF 55 W/JT #288 DEPTH: 8958' RATE: 6 BPM IN AND 6 BPM OUT DRILL TIME : 6 MIN CIRCULATING PRESSURE: 2200 FCP: 650 PSI SWEEP: 5 BBL 80 VISC PLUG PARTS: SMALL PLUG PARTS / LIGHT SAND WASH DOWN TO NEXT PLUG				
22:30	23:00	0.50	18.00	CLEAN OUT	No	TAG PLUG #51 OF 55 W/JT #294 DEPTH: 9133' RATE: 6 BPM IN AND 6 BPM OUT DRILL TIME : 5 MIN CIRCULATING PRESSURE: 2200 FCP: 600 PSI SWEEP: 5 BBL 80 VISC PLUG PARTS: SMALL PLUG PARTS / LIGHT SAND WASH DOWN TO NEXT PLUG				
23:00	23:30	0.50	18.50	CLEAN OUT	No	TAG PLUG #50 OF 55 W/JT #299 DEPTH: 9304' RATE: 6 BPM IN AND 6 BPM OUT DRILL TIME : 5 MIN CIRCULATING PRESSURE: 2200 FCP: 600 PSI SWEEP: 5 BBL 80 VISC PLUG PARTS: SMALL PLUG PARTS / LIGHT SAND WASH DOWN TO NEXT PLUG				



UNIVERSITY 09 0921H
AEPB WELL NO. 54

Report Date	7/6/2015
AFE #	1420225
Total AFE	4,687,800

Time Log										
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Activity	Inactive?	Comments			Unschd Typ	NPT
23:30	00:00	0.50	19.00	CLEAN OUT	No	TAG PLUG #49 OF 55 W/JT #305 DEPTH: 9483' RATE: 6 BPM IN AND 6 BPM OUT DRILL TIME : 7 MIN CIRCULATING PRESSURE: 2150 FCP: 575 PSI SWEEP: 5 BBL 80 VISC PLUG PARTS: SMALL PLUG PARTS / LIGHT SAND WASH DOWN TO NEXT PLUG				
00:00	00:30	0.50	19.50	CLEAN OUT	No	TAG PLUG #48 OF 55 W/JT #311 DEPTH: 9658' RATE: 6 BPM IN AND 6 BPM OUT DRILL TIME : 5 MIN CIRCULATING PRESSURE: 2250 FCP: 550 PSI SWEEP: 10 BBL 80 VISC PLUG PARTS: SMALL PLUG PARTS / LIGHT SAND WASH DOWN TO NEXT PLUG				
00:30	01:30	1.00	20.50	CLEAN OUT	No	CIRCULATE 10 BBL 80 VIS SWEEP TO SURFACE, CONTINUE WASHING TO NEXT PLUG				
01:30	02:00	0.50	21.00	CLEAN OUT	No	TAG PLUG #47 OF 55 W/JT #316 DEPTH: 9883' RATE: 6 BPM IN AND 6 BPM OUT DRILL TIME : 5 MIN CIRCULATING PRESSURE: 2300 FCP: 550 PSI SWEEP: 5 BBL 80 VISC PLUG PARTS: SMALL PLUG PARTS / LIGHT SAND WASH DOWN TO NEXT PLUG				
02:00	02:30	0.50	21.50	CLEAN OUT	No	TAG PLUG #46 OF 55 W/JT #322 DEPTH: 10008' RATE: 6 BPM IN AND 6 BPM OUT DRILL TIME : 6 MIN CIRCULATING PRESSURE: 2300 FCP: 500 PSI SWEEP: 5 BBL 80 VISC PLUG PARTS: SMALL PLUG PARTS / LIGHT SAND WASH DOWN TO NEXT PLUG				
02:30	03:00	0.50	22.00	CLEAN OUT	No	TAG PLUG #45 OF 55 W/JT #328 DEPTH: 10183' RATE: 6 BPM IN AND 6 BPM OUT DRILL TIME : 5 MIN CIRCULATING PRESSURE: 2400 FCP: 480 PSI SWEEP: 5 BBL 80 VISC PLUG PARTS: SMALL PLUG PARTS / LIGHT SAND WASH DOWN TO NEXT PLUG				
03:00	03:45	0.75	22.75	CLEAN OUT	No	TAG PLUG #44 OF 55 W/JT #333 DEPTH: 10358' RATE: 6 BPM IN AND 6 BPM OUT DRILL TIME : 5 MIN CIRCULATING PRESSURE: 2400 FCP: 450 PSI SWEEP: 5 BBL 80 VISC PLUG PARTS: SMALL PLUG PARTS / MEDIUM SAND WASH DOWN TO NEXT PLUG				
03:45	04:00	0.25	23.00	CLEAN OUT	No	TAG PLUG #43 OF 55 W/JT #338 DEPTH: 10536' RATE: 6 BPM IN AND 6 BPM OUT DRILL TIME : 5 MIN CIRCULATING PRESSURE: 2400 FCP: 450 PSI SWEEP: 10 BBL 80 VISC PLUG PARTS: SMALL PLUG PARTS / MEDIUM SAND WASH DOWN TO NEXT PLUG				
04:00	05:00	1.00	24.00	CLEAN OUT	No	CIRCULATE 10 BBL 80 VIS SWEEP TO SURFACE, CONTINUE WASHING TO NEXT PLUG				
Safety Checks										
Time		Type			Inspected By			Description		
07:00		SAFETY MEETING			DAN CURTIS			PRE TOUR SAFETY MEETING		
18:00		SAFETY MEETING			WES WILSON			PRE TOUR SAFETY MEETING		
Plug Details										
Description	Top (ftKB)	Btm (ftKB)	OD (in)	ID (in)	Run Date	Pull Date	Comment			
FRAC PLUG	10,708.0	10,710.0	4.67	ID (in)	6/25/2015	7/6/2015	PLUG STAGE 43			
Description	Top (ftKB)	Btm (ftKB)	OD (in)	ID (in)	Run Date	Pull Date	Comment			
FRAC PLUG	10,536.0	10,538.0	4.67	ID (in)	6/26/2015	7/6/2015	PLUG STAGE 44			
Description	Top (ftKB)	Btm (ftKB)	OD (in)	ID (in)	Run Date	Pull Date	Comment			
FRAC PLUG	10,358.0	10,360.0	4.67	ID (in)	6/26/2015	7/6/2015	PLUG STAGE 45			
Description	Top (ftKB)	Btm (ftKB)	OD (in)	ID (in)	Run Date	Pull Date	Comment			
FRAC PLUG	10,183.0	10,185.0	4.67	ID (in)	6/26/2015	7/6/2015	PLUG STAGE 46			
Description	Top (ftKB)	Btm (ftKB)	OD (in)	ID (in)	Run Date	Pull Date	Comment			
FRAC PLUG	10,008.0	10,010.0	4.67	ID (in)	6/27/2015	7/6/2015	PLUG STAGE 47			
Description	Top (ftKB)	Btm (ftKB)	OD (in)	ID (in)	Run Date	Pull Date	Comment			
FRAC PLUG	9,833.0	9,835.0	4.67	ID (in)	6/27/2015	7/6/2015	PLUG STAGE 48			
Description	Top (ftKB)	Btm (ftKB)	OD (in)	ID (in)	Run Date	Pull Date	Comment			
FRAC PLUG	9,483.0	9,485.0	4.67	ID (in)	6/28/2015	7/5/2015	PLUG STAGE 50			
Description	Top (ftKB)	Btm (ftKB)	OD (in)	ID (in)	Run Date	Pull Date	Comment			
FRAC PLUG	9,304.0	9,306.0	4.67	ID (in)	6/28/2015	7/5/2015	PLUG STAGE 51			
Description	Top (ftKB)	Btm (ftKB)	OD (in)	ID (in)	Run Date	Pull Date	Comment			
FRAC PLUG	9,133.0	9,135.0	4.67	ID (in)	6/28/2015	7/5/2015	PLUG STAGE 52			
Description	Top (ftKB)	Btm (ftKB)	OD (in)	ID (in)	Run Date	Pull Date	Comment			
FRAC PLUG	8,958.0	8,960.0	4.67	ID (in)	6/28/2015	7/5/2015	PLUG STAGE 53			
Description	Top (ftKB)	Btm (ftKB)	OD (in)	ID (in)	Run Date	Pull Date	Comment			
FRAC PLUG	8,783.0	8,785.0	4.67	ID (in)	6/29/2015	7/5/2015	PLUG STAGE 54			
Description	Top (ftKB)	Btm (ftKB)	OD (in)	ID (in)	Run Date	Pull Date	Comment			
FRAC PLUG	8,608.0	8,610.0	4.67	ID (in)	6/29/2015	7/5/2015	PLUG STAGE 55			
Description	Top (ftKB)	Btm (ftKB)	OD (in)	ID (in)	Run Date	Pull Date	Comment			
FRAC PLUG	8,427.0	8,428.3	4.67	ID (in)	6/29/2015	7/5/2015	PLUG STAGE 56			
Description	Top (ftKB)	Btm (ftKB)	OD (in)	ID (in)	Run Date	Pull Date	Comment			
BRIDGE PLUG - PERMANENT	7,006.0	7,008.0	4.67	ID (in)	6/29/2015	7/5/2015	PERM BRIDGE PLUG			
Perforation Intervals										
Time	Zone		Top (ftKB)		Btm (ftKB)		Shot Dens (shots/ft)		Gun Size (in)	



AMERICAN ENERGY - PERMIAN BASIN, LLC
Daily Completion Report

Report Date 7/7/2015
AFE # 1420225
Total AFE 4,687,800

UNIVERSITY 09 0921H
AEPB WELL NO. 54

API 42383389370000	State TEXAS	County REAGAN	Well Config HORIZONTAL	Ground Elevation (ft) 2,645.00	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 5/5/2015	End Date
AFE Number 1420225		Supplemental AFE Number			Daily Field Est (Cost) 34,632		Cum Field Est (Cost) 3,041,852	
Number of Stages (ft) 56		Lateral Length (ft) 9,872			Time Since LTI (days)		Time Since Reportable Incident (days)	
Daily Contacts								
Contacts COMP SUP, DAN CURTIS, LOOP; COMP SUPER, WES WILSON, LOOP								
Daily Operations								
Operations Summary 0 EHS ISSUES; 0 NPT; DRILLOUT 38 PLUGS 42-5 OF 55 WITH NABORS COMPLETION RIG; AVG WHP 400 PSI; AVG CIRC PRESS 3200 PSI; AVG DT 8 MIN; RETURNS: MEDIUM SAND AND SMALL PLUG PARTS								
Planned Operations DRILL OUT PLUGS								
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	CLEAN OUT	No	TAG PLUG #42 OF 55 W/JT #344 DEPTH: 10708' RATE: 6 BPM IN AND 6 BPM OUT DRILL TIME : 5 MIN CIRCULATING PRESSURE: 2600 FCP: 475 PSI SWEEP: 5 BBL 80 VISC PLUG PARTS: SMALL PLUG PARTS / MEDIUM SAND WASH DOWN TO NEXT PLUG		
05:30	06:00	0.50	1.00	CLEAN OUT	No	TAG PLUG #41 OF 55 W/JT #350 DEPTH: 10883' RATE: 6 BPM IN AND 6 BPM OUT DRILL TIME : 5 MIN CIRCULATING PRESSURE: 3000 FCP: 400 PSI SWEEP: 5 BBL 80 VISC PLUG PARTS: SMALL PLUG PARTS / MEDIUM SAND WASH DOWN TO NEXT PLUG		
06:00	06:30	0.50	1.50	CLEAN OUT	No	TAG PLUG #40 OF 55 W/JT #356 DEPTH: 11058' RATE: 6 BPM IN AND 6.1 BPM OUT DRILL TIME : 5 MIN CIRCULATING PRESSURE: 2900 FCP: 500 PSI SWEEP: 5 BBL 80 VISC PLUG PARTS: SMALL PLUG PARTS / MEDIUM SAND WASH DOWN TO NEXT PLUG		
06:30	07:00	0.50	2.00	CLEAN OUT	No	TAG PLUG #39 OF 55 W/JT #361 DEPTH: 11228' RATE: 6 BPM IN AND 6.2 BPM OUT DRILL TIME : 8 MIN CIRCULATING PRESSURE: 2900 FCP: 510 PSI SWEEP: 5 BBL 80 VISC PLUG PARTS: SMALL PLUG PARTS / MEDIUM SAND WASH DOWN TO NEXT PLUG		
07:00	07:15	0.25	2.25	SAFETY MEETING	No	DAY CREW: DISCUSSED TODAY'S ACTIVITIES, PINCHPOINTS, TRIP HAZARDS, COMMUNICATION, HOUSE KEEPING, WORK AREA, PPE ON AT ALL TIMES. SPEED LIMIT.		
07:15	07:45	0.50	2.75	CLEAN OUT	No	TAG PLUG #38 OF 55 W/JT #367 DEPTH: 11408' RATE: 6 BPM IN AND 6.2 BPM OUT DRILL TIME : 5 MIN CIRCULATING PRESSURE: 3210 FCP: 500 PSI SWEEP: 5 BBL 80 VISC PLUG PARTS: SMALL PLUG PARTS / MEDIUM SAND WASH DOWN TO NEXT PLUG		
07:45	08:15	0.50	3.25	CLEAN OUT	No	TAG PLUG #37 OF 55 W/JT #373 DEPTH: 11583' RATE: 6 BPM IN AND 6.1 BPM OUT DRILL TIME : 5 MIN CIRCULATING PRESSURE: 3300 FCP: 500 PSI SWEEP: 5 BBL 80 VISC PLUG PARTS: SMALL PLUG PARTS / MEDIUM SAND WASH DOWN TO NEXT PLUG		
08:15	09:15	1.00	4.25	CLEAN OUT	No	CIRCULATE BOTTOMS UP WITH 10 BBL 80 VISC SWEEP RATE: 6 BPM IN / 6.3 BPM OUT CIRC PRESSURE: 3300 FCP: 510 RETURNS: LIGHT PLUG PARTS/ LIGHT SAND		
09:15	09:30	0.25	4.50	CLEAN OUT	No	TAG PLUG #36 OF 55 W/JT #378 DEPTH: 11758' RATE: 6 BPM IN AND 6.2 BPM OUT DRILL TIME : 6 MIN CIRCULATING PRESSURE: 3200 FCP: 520 PSI SWEEP: 5 BBL 80 VISC PLUG PARTS: SMALL PLUG PARTS / MEDIUM SAND WASH DOWN TO NEXT PLUG		
09:30	09:45	0.25	4.75	CLEAN OUT	No	TAG PLUG #35 OF 55 W/JT #384 DEPTH: 11933' RATE: 6 BPM IN AND 6.1 BPM OUT DRILL TIME : 5 MIN CIRCULATING PRESSURE: 3200 FCP: 510 PSI SWEEP: 5 BBL 80 VISC PLUG PARTS: SMALL PLUG PARTS / MEDIUM SAND WASH DOWN TO NEXT PLUG		
09:45	10:00	0.25	5.00	CLEAN OUT	No	TAG PLUG #34 OF 55 W/JT #390 DEPTH: 12108' RATE: 6 BPM IN AND 6.2 BPM OUT DRILL TIME : 7 MIN CIRCULATING PRESSURE: 3400 FCP: 450 PSI SWEEP: 5 BBL 80 VISC PLUG PARTS: SMALL PLUG PARTS / MEDIUM SAND WASH DOWN TO NEXT PLUG		
10:00	10:30	0.50	5.50	CLEAN OUT	No	TAG PLUG #33 OF 55 W/JT #395 DEPTH: 12283' RATE: 6 BPM IN AND 6.3 BPM OUT DRILL TIME : 10 MIN CIRCULATING PRESSURE: 3500 FCP: 410 PSI SWEEP: 5 BBL 80 VISC PLUG PARTS: SMALL PLUG PARTS / MEDIUM SAND WASH DOWN TO NEXT PLUG		



UNIVERSITY 09 0921H
AEPB WELL NO. 54

Report Date	7/7/2015
AFE #	1420225
Total AFE	4,687,800

Time Log

Start Time	End Time	Dur (hr)	Cum Dur (hr)	Activity	Inactive?	Comments	Unschd Typ	NPT
17:45	18:15	0.50	13.25	CLEAN OUT	No	TAG PLUG # 19 OF 55 W/JT #474 DEPTH: 14733' RATE: 6 BPM IN AND 6.2 BPM OUT DRILL TIME : 8 MIN CIRCULATING PRESSURE: 3200 FCP: 375 PSI SWEEP: 5 BBL 80 VISC PLUG PARTS: SMALL PLUG PARTS / MEDIUM SAND WASH DOWN TO NEXT PLUG		
18:15	18:45	0.50	13.75		No	TAG PLUG # 18 OF 55 W/JT #480 DEPTH: 14908' RATE: 6 BPM IN AND 6.2 BPM OUT DRILL TIME : 7 MIN CIRCULATING PRESSURE: 3500 FCP: 350 PSI SWEEP: 5 BBL 80 VISC PLUG PARTS: SMALL PLUG PARTS / MEDIUM SAND WASH DOWN TO NEXT PLUG		
18:45	19:00	0.25	14.00		No	TAG PLUG # 17 OF 55 W/JT #485 DEPTH: 15083' RATE: 6 BPM IN AND 6.2 BPM OUT DRILL TIME : 5 MIN CIRCULATING PRESSURE: 3000 FCP: 350 PSI SWEEP: 10 BBL 80 VISC PLUG PARTS: SMALL PLUG PARTS / MEDIUM SAND WASH DOWN TO NEXT PLUG		
19:00	20:00	1.00	15.00		No	CIRCULATE 10 BBL 80 VIS SWEEP TO SURFACE, CONTINUE WASHING TO NEXT PLUG		
20:00	20:30	0.50	15.50		No	TAG PLUG # 16 OF 55 W/JT #491 DEPTH: 15285' RATE: 6 BPM IN AND 6.2 BPM OUT DRILL TIME : 5 MIN CIRCULATING PRESSURE: 3000 FCP: 425 PSI SWEEP: 5 BBL 80 VISC PLUG PARTS: SMALL PLUG PARTS / MEDIUM SAND WASH DOWN TO NEXT PLUG		
20:30	21:00	0.50	16.00		No	TAG PLUG # 15 OF 55 W/JT #497 DEPTH: 15433' RATE: 6 BPM IN AND 6.2 BPM OUT DRILL TIME : 12 MIN CIRCULATING PRESSURE: 2800 FCP: 400 PSI SWEEP: 5 BBL 80 VISC PLUG PARTS: SMALL PLUG PARTS / MEDIUM SAND WASH DOWN TO NEXT PLUG		
21:00	21:30	0.50	16.50		No	TAG PLUG # 14 OF 55 W/JT #502 DEPTH: 15608' RATE: 6 BPM IN AND 6.2 BPM OUT DRILL TIME : 5 MIN CIRCULATING PRESSURE: 3000 FCP: 400 PSI SWEEP: 5 BBL 80 VISC PLUG PARTS: SMALL PLUG PARTS / MEDIUM SAND WASH DOWN TO NEXT PLUG		
21:30	22:00	0.50	17.00		No	TAG PLUG # 13 OF 55 W/JT #508 DEPTH: 15784' RATE: 6 BPM IN AND 6.2 BPM OUT DRILL TIME : 9 MIN CIRCULATING PRESSURE: 3000 FCP: 425 PSI SWEEP: 5 BBL 80 VISC PLUG PARTS: SMALL PLUG PARTS / MEDIUM SAND WASH DOWN TO NEXT PLUG		
22:00	22:30	0.50	17.50		No	TAG PLUG # 12 OF 55 W/JT #514 DEPTH: 15958' RATE: 6 BPM IN AND 6.2 BPM OUT DRILL TIME : 14 MIN CIRCULATING PRESSURE: 2800 FCP: 400 PSI SWEEP: 5 BBL 80 VISC PLUG PARTS: SMALL PLUG PARTS / MEDIUM SAND WASH DOWN TO NEXT PLUG		
22:30	23:00	0.50	18.00		No	TAG PLUG # 11 OF 55 W/JT #519 DEPTH: 16133' RATE: 6 BPM IN AND 6.2 BPM OUT DRILL TIME : 6 MIN CIRCULATING PRESSURE: 2800 FCP: 375 PSI SWEEP: 5 BBL 80 VISC PLUG PARTS: SMALL PLUG PARTS / MEDIUM SAND WASH DOWN TO NEXT PLUG		
23:00	00:15	1.25	19.25		No	CIRCULATE 10 BBL 80 VIS SWEEP TO SURFACE, CONTINUE WASHING TO NEXT PLUG		
00:15	01:00	0.75	20.00		No	TAG PLUG # 10 OF 55 W/JT #524 DEPTH: 16308' RATE: 6 BPM IN AND 6.2 BPM OUT DRILL TIME : 6 MIN CIRCULATING PRESSURE: 2800 FCP: 375 PSI SWEEP: 5 BBL 80 VISC PLUG PARTS: SMALL PLUG PARTS / MEDIUM SAND WASH DOWN TO NEXT PLUG		
01:00	01:45	0.75	20.75		No	TAG PLUG # 9 OF 55 W/JT #528 DEPTH: 16484' RATE: 6 BPM IN AND 6.2 BPM OUT DRILL TIME : 9 MIN CIRCULATING PRESSURE: 3000 FCP: 400 PSI SWEEP: 5 BBL 80 VISC PLUG PARTS: SMALL PLUG PARTS / MEDIUM SAND WASH DOWN TO NEXT PLUG		
01:45	02:30	0.75	21.50		No	TAG PLUG # 8 OF 55 W/JT #535 DEPTH: 16685' RATE: 6 BPM IN AND 6.2 BPM OUT DRILL TIME : 9 MIN CIRCULATING PRESSURE: 3000 FCP: 425 PSI SWEEP: 5 BBL 80 VISC PLUG PARTS: SMALL PLUG PARTS / MEDIUM SAND WASH DOWN TO NEXT PLUG		
02:30	03:15	0.75	22.25		No	TAG PLUG # 7 OF 55 W/JT #542 DEPTH: 16833' RATE: 6 BPM IN AND 6.2 BPM OUT DRILL TIME : 12 MIN CIRCULATING PRESSURE: 3000 FCP: 400 PSI SWEEP: 5 BBL 80 VISC PLUG PARTS: SMALL PLUG PARTS / MEDIUM SAND WASH DOWN TO NEXT PLUG		



UNIVERSITY 09 0921H
AEPB WELL NO. 54

7/7/2015
1420225
4,687,800

Time Log							
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Activity	Inactive?	Comments	Unschd Typ
03:15	04:00	0.75	23.00		No	TAG PLUG # 6 OF 55 W/JT #547 DEPTH: 17008' RATE: 6 BPM IN AND 6.2 BPM OUT DRILL TIME : 8 MIN CIRCULATING PRESSURE: 3200 FCP: 375 PSI SWEEP: 5 BBL 80 VISC PLUG PARTS: SMALL PLUG PARTS / MEDIUM SAND WASH DOWN TO NEXT PLUG	
04:00	05:00	1.00	24.00		No	TAG PLUG # 5 OF 55 W/JT #552 DEPTH: 17183' RATE: 6 BPM IN AND 6.2 BPM OUT DRILL TIME : 10 MIN CIRCULATING PRESSURE: 3300 FCP: 400 PSI SWEEP: 5 BBL 80 VISC PLUG PARTS: SMALL PLUG PARTS / MEDIUM SAND WASH DOWN TO NEXT PLUG	

Safety Checks			
Time	Type	Inspected By	Description
07:00	SAFETY MEETING	DAN CURTIS	PRE TOUR SAFETY MEETING
18:00	SAFETY MEETING	WES WILSON	PRE TOUR SAFETY MEETING

Plug Details							
Description FRAC PLUG	Top (ftKB) 17,183.0	Btm (ftKB) 17,185.0	OD (in) 4.67	ID (in)	Run Date 6/11/2015	Pull Date 7/7/2015	Comment PLUG STAGE 5
Description FRAC PLUG	Top (ftKB) 17,008.0	Btm (ftKB) 17,010.0	OD (in) 4.67	ID (in)	Run Date 6/11/2015	Pull Date 7/7/2015	Comment PLUG STAGE 6
Description FRAC PLUG	Top (ftKB) 16,833.0	Btm (ftKB) 16,835.0	OD (in) 4.67	ID (in)	Run Date 6/11/2015	Pull Date 7/7/2015	Comment PLUG STAGE 7
Description FRAC PLUG	Top (ftKB) 16,655.0	Btm (ftKB) 16,657.0	OD (in) 4.67	ID (in)	Run Date 6/12/2015	Pull Date 7/7/2015	Comment PLUG STAGE 8
Description FRAC PLUG	Top (ftKB) 16,483.0	Btm (ftKB) 16,485.0	OD (in) 4.67	ID (in)	Run Date 6/12/2015	Pull Date 7/7/2015	Comment PLUG STAGE 9
Description FRAC PLUG	Top (ftKB) 16,133.0	Btm (ftKB) 16,135.0	OD (in) 4.67	ID (in)	Run Date 6/13/2015	Pull Date 7/6/2015	Comment PLUG STAGE 11
Description FRAC PLUG	Top (ftKB) 16,308.0	Btm (ftKB) 16,310.0	OD (in) 4.67	ID (in)	Run Date 6/13/2015	Pull Date 7/6/2015	Comment PLUG STAGE 10
Description FRAC PLUG	Top (ftKB) 15,958.0	Btm (ftKB) 15,960.0	OD (in) 4.67	ID (in)	Run Date 6/14/2015	Pull Date 7/6/2015	Comment PLUG STAGE 12
Description FRAC PLUG	Top (ftKB) 15,784.0	Btm (ftKB) 15,786.0	OD (in) 4.67	ID (in)	Run Date 6/14/2015	Pull Date 7/6/2015	Comment PLUG STAGE 13
Description FRAC PLUG	Top (ftKB) 15,608.0	Btm (ftKB) 15,610.0	OD (in) 4.67	ID (in)	Run Date 6/15/2015	Pull Date 7/6/2015	Comment PLUG STAGE 14
Description FRAC PLUG	Top (ftKB) 15,433.0	Btm (ftKB) 15,435.0	OD (in) 4.67	ID (in)	Run Date 6/15/2015	Pull Date 7/6/2015	Comment PLUG STAGE 15
Description FRAC PLUG	Top (ftKB) 15,258.0	Btm (ftKB) 15,260.0	OD (in) 4.67	ID (in)	Run Date 6/16/2015	Pull Date 7/6/2015	Comment PLUG STAGE 16
Description FRAC PLUG	Top (ftKB) 15,083.0	Btm (ftKB) 15,085.0	OD (in) 4.67	ID (in)	Run Date 6/16/2015	Pull Date 7/6/2015	Comment PLUG STAGE 17
Description FRAC PLUG	Top (ftKB) 14,908.0	Btm (ftKB) 14,910.0	OD (in) 4.67	ID (in)	Run Date 6/16/2015	Pull Date 7/6/2015	Comment PLUG STAGE 18
Description FRAC PLUG	Top (ftKB) 14,733.0	Btm (ftKB) 14,735.0	OD (in) 4.67	ID (in)	Run Date 6/17/2015	Pull Date 7/6/2015	Comment PLUG STAGE 19
Description FRAC PLUG	Top (ftKB) 14,552.0	Btm (ftKB) 14,554.0	OD (in) 4.67	ID (in)	Run Date 6/17/2015	Pull Date 7/6/2015	Comment PLUG STAGE 20
Description FRAC PLUG	Top (ftKB) 14,383.0	Btm (ftKB) 14,385.0	OD (in) 4.67	ID (in)	Run Date 6/17/2015	Pull Date 7/6/2015	Comment PLUG STAGE 21
Description FRAC PLUG	Top (ftKB) 14,208.0	Btm (ftKB) 14,210.0	OD (in) 4.67	ID (in)	Run Date 6/18/2015	Pull Date 7/6/2015	Comment PLUG STAGE 22
Description FRAC PLUG	Top (ftKB) 14,033.0	Btm (ftKB) 14,035.0	OD (in) 4.67	ID (in)	Run Date 6/18/2015	Pull Date 7/6/2015	Comment PLUG STAGE 23
Description FRAC PLUG	Top (ftKB) 13,858.0	Btm (ftKB) 13,860.0	OD (in) 4.67	ID (in)	Run Date 6/18/2015	Pull Date 7/6/2015	Comment PLUG STAGE 24
Description FRAC PLUG	Top (ftKB) 13,678.0	Btm (ftKB) 13,680.0	OD (in) 4.67	ID (in)	Run Date 6/18/2015	Pull Date 7/6/2015	Comment PLUG STAGE 25
Description FRAC PLUG	Top (ftKB) 13,508.0	Btm (ftKB) 13,510.0	OD (in) 4.67	ID (in)	Run Date 6/19/2015	Pull Date 7/6/2015	Comment PLUG STAGE 26
Description FRAC PLUG	Top (ftKB) 13,330.0	Btm (ftKB) 13,332.0	OD (in) 4.67	ID (in)	Run Date 6/19/2015	Pull Date 7/6/2015	Comment PLUG STAGE 27
Description FRAC PLUG	Top (ftKB) 13,158.0	Btm (ftKB) 13,160.0	OD (in) 4.67	ID (in)	Run Date 6/19/2015	Pull Date 7/6/2015	Comment PLUG STAGE 28
Description FRAC PLUG	Top (ftKB) 12,983.0	Btm (ftKB) 12,985.0	OD (in) 4.67	ID (in)	Run Date 6/20/2015	Pull Date 7/6/2015	Comment PLUG STAGE 29
Description FRAC PLUG	Top (ftKB) 12,808.0	Btm (ftKB) 12,810.0	OD (in) 4.67	ID (in)	Run Date 6/20/2015	Pull Date 7/6/2015	Comment PLUG STAGE 30
Description FRAC PLUG	Top (ftKB) 12,631.0	Btm (ftKB) 12,633.0	OD (in) 4.67	ID (in)	Run Date 6/21/2015	Pull Date 7/6/2015	Comment PLUG STAGE 31
Description FRAC PLUG	Top (ftKB) 12,459.0	Btm (ftKB) 12,461.0	OD (in) 4.67	ID (in)	Run Date 6/21/2015	Pull Date 7/6/2015	Comment PLUG STAGE 32
Description FRAC PLUG	Top (ftKB) 12,283.0	Btm (ftKB) 12,285.0	OD (in) 4.67	ID (in)	Run Date 6/21/2015	Pull Date 7/6/2015	Comment PLUG STAGE 33
Description FRAC PLUG	Top (ftKB) 12,108.0	Btm (ftKB) 12,110.0	OD (in) 4.67	ID (in)	Run Date 6/22/2015	Pull Date 7/6/2015	Comment PLUG STAGE 34
Description FRAC PLUG	Top (ftKB) 11,933.0	Btm (ftKB) 11,935.0	OD (in) 4.67	ID (in)	Run Date 6/22/2015	Pull Date 7/6/2015	Comment PLUG STAGE 35
Description FRAC PLUG	Top (ftKB) 11,758.0	Btm (ftKB) 11,760.0	OD (in) 4.67	ID (in)	Run Date 6/22/2015	Pull Date 7/6/2015	Comment PLUG STAGE 36
Description FRAC PLUG	Top (ftKB) 11,583.0	Btm (ftKB) 11,585.0	OD (in) 4.67	ID (in)	Run Date 6/23/2015	Pull Date 7/6/2015	Comment PLUG STAGE 37
Description FRAC PLUG	Top (ftKB) 11,408.0	Btm (ftKB) 11,410.0	OD (in) 4.67	ID (in)	Run Date 6/23/2015	Pull Date 7/6/2015	Comment PLUG STAGE 38
Description FRAC PLUG	Top (ftKB) 11,228.0	Btm (ftKB) 11,230.0	OD (in) 4.67	ID (in)	Run Date 6/23/2015	Pull Date 7/6/2015	Comment PLUG STAGE 39
Description FRAC PLUG	Top (ftKB) 11,058.0	Btm (ftKB) 11,060.0	OD (in) 4.67	ID (in)	Run Date 6/23/2015	Pull Date 7/6/2015	Comment PLUG STAGE 40
Description FRAC PLUG	Top (ftKB) 10,883.0	Btm (ftKB) 10,885.0	OD (in) 4.67	ID (in)	Run Date 6/24/2015	Pull Date 7/6/2015	Comment PLUG STAGE 41
Description FRAC PLUG	Top (ftKB) 10,708.0	Btm (ftKB) 10,710.0	OD (in) 4.67	ID (in)	Run Date 6/25/2015	Pull Date 7/6/2015	Comment PLUG STAGE 42

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 0921H
AEPB WELL NO. 54

Report Date 7/8/2015
AFE # 1420225
Total AFE 4,687,800

API 42383389370000	State TEXAS	County REAGAN	Well Config HORIZONTAL	Ground Elevation (ft) 2,645.00	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 5/5/2015	End Date	
AFE Number 1420225		Supplemental AFE Number			Daily Field Est (Cost) 59,650		Cum Field Est (Cost) 3,132,460		
Number of Stages (ft) 56		Lateral Length (ft) 9,872			Time Since LTI (days)		Time Since Reportable Incident (days)		
Daily Contacts									
Contacts COMP SUP, DAN CURTIS, LOOP; COMP SUPER, WES WILSON, LOOP									
Daily Operations									
Operations Summary 0 EHS ISSUES; 1 NPT DUE TO LIGHTING; DRILL OUT 4 PLUGS 4-1 OF 55 WITH NABORS COMPLETION RIG; AVG WHP 450 PSI; AVG CIRC PRESS 3200 PSI; AVG DT 8 MIN; RETURNS: MEDIUM SAND AND SMALL PLUG PARTS; POOH LAYING DOWN 502 JTS, LEAVING 70 JTS FOR SNUBBING; MIRU BASIC SNUBBING UNIT, SNUB OUT 20 JTS; SHUT IN SECURE WELL, SICP 780 PSI, PUMP THROUGH TO IN SURE CLEAN; WELL READY FOR FLOW BACK; RDMO NABORS COMPLETION RIG AND SUPORT EQUIPMENT.									
Planned Operations DRILL OUT PLUGS, WELL SHUT IN SCURE AND READY FOR FLOW BACK, WAITING ON DRILL OUT TO FINISH ON 09-0902H									
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	CLEAN OUT	No	TAG PLUG # 4 OF 55 W/JT #557 DEPTH: 17358' RATE: 6 BPM IN AND 6.2 BPM OUT DRILL TIME : 12 MIN CIRCULATING PRESSURE: 3300 FCP: 400 PSI SWEEP: 5 BBL 80 VISC PLUG PARTS: SMALL PLUG PARTS / MEDIUM SAND WASH DOWN TO NEXT PLUG			
05:30	06:00	0.50	1.00	CLEAN OUT	No	TAG PLUG # 3 OF 55 W/JT #565 DEPTH: 17708' RATE: 6 BPM IN AND 6.2 BPM OUT DRILL TIME : 8 MIN CIRCULATING PRESSURE: 3300 FCP: 400 PSI SWEEP: 5 BBL 80 VISC PLUG PARTS: SMALL PLUG PARTS / MEDIUM SAND WASH DOWN TO NEXT PLUG			
06:00	06:30	0.50	1.50	CLEAN OUT	No	TAG PLUG # 2 OF 55 W/JT #571 DEPTH: 17708' RATE: 6 BPM IN AND 6.2 BPM OUT DRILL TIME : 10 MIN CIRCULATING PRESSURE: 3300 FCP: 400 PSI SWEEP: 5 BBL 80 VISC PLUG PARTS: SMALL PLUG PARTS / MEDIUM SAND WASH DOWN TO NEXT PLUG			
06:30	07:00	0.50	2.00	CLEAN OUT	No	TAG PLUG # 1 OF 55 W/JT #578 DEPTH: 17879' RATE: 6 BPM IN AND 6.2 BPM OUT DRILL TIME : 8 MIN CIRCULATING PRESSURE: 3300 FCP: 400 PSI SWEEP: DO BTMS UP WITH 20/10/20 PLUG PARTS: SMALL PLUG PARTS / MEDIUM SAND ALL PLUGS DRILLED OUT			
07:00	07:15	0.25	2.25	SAFETY MEETING	No	DAY CREW: DISCUSSED PINCHPOINTS, TRIP HAZARDS, WEATHER, EMERGENCY PROCEDURES, COMMUNICATION, RANCH SPEED LIMIT, HOUSE KEEPING.			
07:15	08:15	1.00	3.25	CLEAN OUT	No	CIRCULATE 20/10/20 80 VISC SWEEP BACK TO SURFACE. SHUT WELL IN. SICP 650 PSI			
08:15	09:15	1.00	4.25	RIG UP/DOWN	No	577 JOINTS IN HOLE (17879'). PULL WEIGHT OFF BOTTOM WAS 80,000 LB. PULLED THREE JOINTS AND LAY OUT SWIVEL.			
09:15	12:15	3.00	7.25	TRIPPING	No	START TRIPPING PIPE. LAY OUT 302 JTS LEAVING 275 JTS IN HOLE TO CLEAN ANY DEBRIS IN HEEL.			
12:15	13:15	1.00	8.25	CLEAN OUT	No	STOP AT JT #275 (8350') . MIX A 10/10/10 80 VISC SWEEP AND CIRCULATE BACK TO SURFACE. RECOVERED LARGE AMOUNT OF SLIP PARTS. RATE: 6 BPM IN / 6.2 BPM OUT CIRC PRESSRE : 4000 PSI FCP: 350 PSI AFTER SHUT DOWN : SICP 750 PSI			
13:15	14:15	1.00	9.25	DOWNTIME	No	SHUT DOWN FOR LIGHTNING WITH STORM.		Yes	
14:15	17:15	3.00	12.25	TRIPPING	No	CONTINUE TRIPPING OUT TO JT 70 , LEAVING PIPE HEAVY FOR SNUBBING UNIT, INSTALL TIW VALVE AND LAND DRILL STRING ON BOP'S.			
17:15	18:15	1.00	13.25	RIG UP/DOWN	No	RIG DOWN FLOOR AND PREPARE FOR SNUBBING UNIT			
18:15	18:30	0.25	13.50	SAFETY MEETING	No	TALKED ABOUT SNUBBING PROCEDURES, WELL CONTROL, OVER HEAD LOADS AND PINCH POINTS			
18:30	20:30	2.00	15.50	RIG UP/DOWN	No	MIRU BASIC SNUBBING UNIT			
20:30	22:30	2.00	17.50	TRIPPING	No	EQUILIZE WELL OVER TO SNUBBING UNIT 780 PSI, TOH WITH 2 7/8 PH-6 TO ACHIVE PIPE LIGHT, SNUB OUT 20 JTS AND TOP NOTCH BHA, CLOSE MASTER VALVE AND SECURE WELL.			
22:30	23:30	1.00	18.50	RIG UP/DOWN	No	RDMO BASIC SNUBBING UNIT			
23:30	01:30	2.00	20.50	RIG UP/DOWN	No	RDMO NABORS COMPLETION RIG AND SUPPORT EQUIPMENT.			
01:30	05:00	3.50	24.00	INACTIVE	Yes	WELL SHUT IN SCURE AND READY FOR FLOW BACK, WAITING ON DRILL OUT TO FINISH ON 09-0902H			
NPT									
Typ		SubTyp	Des		Start Date	End Date	Failed Item	Accountable Party	Dur (hr)
OTHER		WEATHER	LIGHTNING		7/7/2015 13:15	7/7/2015 14:15		AMERICAN ENERGY PERMIAN BASIN	1.00
Safety Checks									
Time		Type			Inspected By		Description		
07:00		SAFETY MEETING			DAN CURTIS		SAFETY MEETING / JSA'S		
Plug Details									
Description FRAC PLUG	Top (ftKB) 17,879.0	Btm (ftKB) 17,881.0	OD (in) 4.67	ID (in)	Run Date 6/10/2015	Pull Date 7/7/2015	Comment PLUG STAGE 1		
Description FRAC PLUG	Top (ftKB) 17,708.0	Btm (ftKB) 17,710.0	OD (in) 4.67	ID (in)	Run Date 6/10/2015	Pull Date 7/7/2015	Comment PLUG STAGE 2		
Description FRAC PLUG	Top (ftKB) 17,533.0	Btm (ftKB) 17,535.0	OD (in) 4.67	ID (in)	Run Date 6/10/2015	Pull Date 7/7/2015	Comment PLUG STAGE 3		
Description FRAC PLUG	Top (ftKB) 17,358.0	Btm (ftKB) 17,360.0	OD (in) 4.67	ID (in)	Run Date 6/10/2015	Pull Date 7/7/2015	Comment PLUG STAGE 4		
Perforation Intervals									
Time	Zone		Top (ftKB)		Btm (ftKB)		Shot Dens (shots/ft)	Gun Size (in)	Com



UNIVERSITY 09 0921H
AEPB WELL NO. 54

Report Date	7/9/2015
AFE #	1420225
Total AFE	4,687,800

Job Information				
Job Category COMPLETION	Primary Job Type COMPLETION - ORIGINAL	Secondary Job Type	Start Date 5/5/2015	End Date
AFE Number 1420225	Supplemental AFE Number	Daily Field Est (Cost) 200	Cum Field Est (Cost) 3,132,660	
Number of Stages (ft) 56	Lateral Length (ft) 9,872	Time Since LTI (days)	Time Since Reportable Incident (days)	

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

Operations Summary
WELL SHUT IN , READY FOR PRODUCTION. SICP 780 PSI
Planned Operations
WELL SHUT IN , READY FOR PRODUCTION. SICP 780 PSI

Start Time	End Time	Dur (hr)	Cum Dur (hr)	Activity	Inactive?	Comments	Unschd Typ	NPT
05:00	05:00	24.00	24.00	INACTIVE	No	WELL SHUT IN WAITNG FOR DRILL OUT ON 09-0902H TO FINISH		

Time	Type	Inspected By	Description

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



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

UNIVERSITY 09 0921H
AEPB WELL NO. 54

Report Date 7/10/2015
AFE # 1420225
Total AFE 4,687,800

API 42383389370000	State TEXAS	County REAGAN	Well Config HORIZONTAL	Ground Elevation (ft) 2,645.00	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 5/5/2015		End Date					
AFE Number 1420225		Supplemental AFE Number		Daily Field Est (Cost) 200		Cum Field Est (Cost) 3,133,051							
Number of Stages (ft) 56		Lateral Length (ft) 9,872		Time Since LTI (days)		Time Since Reportable Incident (days)							
Daily Contacts													
Contacts COMP SUP, DAN CURTIS, LOOP; COMP SUPER, WES WILSON, LOOP													
Daily Operations													
Operations Summary WELL SHUT IN , READY FOR PRODUCTION. SICP 780 PSI													
Planned Operations WELL SHUT IN , READY FOR PRODUCTION. SICP 780 PSI													
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	INACTIVE	Yes	WELL SHUT IN WAITNG FOR DRILL OUT ON 09-0902H TO FINISH							
Safety Checks													
Time		Type			Inspected By		Description						
Perforation Intervals													
Time	Zone			Top (ftKB)		Btm (ftKB)		Shot Dens (shots/ft)		Gun Size (in)		Com	



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

UNIVERSITY 09 0921H
AEPB WELL NO. 54

Report Date 7/11/2015
AFE # 1420225
Total AFE 4,687,800

API 42383389370000	State TEXAS	County REAGAN	Well Config HORIZONTAL	Ground Elevation (ft) 2,645.00	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 5/5/2015	End Date					
AFE Number 1420225		Supplemental AFE Number			Daily Field Est (Cost) 200		Cum Field Est (Cost) 3,133,251						
Number of Stages (ft) 56		Lateral Length (ft) 9,872			Time Since LTI (days)		Time Since Reportable Incident (days)						
Daily Contacts													
Contacts COMP SUP, DAN CURTIS, LOOP; COMP SUPER, WES WILSON, LOOP													
Daily Operations													
Operations Summary WELL SHUT IN , READY FOR PRODUCTION. SICP 780 PSI													
Planned Operations WELL SHUT IN , READY FOR PRODUCTION. SICP 780 PSI													
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	INACTIVE	Yes	WELL SHUT IN WAITNG FOR DRILL OUT ON 09-0902H TO FINISH							
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 0921H
AEPB WELL NO. 54

Report Date	7/12/2015
AFE #	1420225
Total AFE	4,687,800

Job Information				
Job Category COMPLETION	Primary Job Type COMPLETION - ORIGINAL	Secondary Job Type	Start Date 5/5/2015	End Date
AFE Number 1420225	Supplemental AFE Number	Daily Field Est (Cost) 2,850	Cum Field Est (Cost) 3,136,101	
Number of Stages (ft) 56	Lateral Length (ft) 9,872	Time Since LTI (days)	Time Since Reportable Incident (days)	

Contacts
COMP SUP, DAN CURTIS, LOOP; COMP SUPER, WES WILSON, LOOP; FB SUPVR, DAVID BRAY, LOOP

Operations Summary
RD DRILLOUT RIG AND SUPPORT EQUIPMENT; CONTINUE TO CLEAN UP LOCATION FROM DRILLLOT; MIRU FLOWBACK EQUIPMENT; CONSTRUCTION OPERATIONS ON PAD
Planned Operations
SPOT AND RIGUP FLOWBACK EQUIPMENT

Start Time	End Time	Dur (hr)	Cum Dur (hr)	Activity	Inactive?	Comments	Unschd Typ	NPT
05:00	13:00	8.00	8.00	RIG UP/DOWN	No	RDMO DRILLOUT EQUIPMENT		
13:00	05:00	16.00	24.00	RIG UP/DOWN	No	MIRU FLOWBACK EQUIPMENT; NU AND TEST 2ND LMV AND FLOWCROSS; CONSTRUCTION ONSITE INSTALLING BURIED FLOWLINES		

Time	Type	Inspected By	Description

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



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

UNIVERSITY 09 0921H
AEPB WELL NO. 54

Report Date 7/18/2015
AFE # 1420225
Total AFE 4,687,800

API 42383389370000	State TEXAS	County REAGAN	Well Config HORIZONTAL	Ground Elevation (ft) 2,645.00	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 5/5/2015		End Date		
AFE Number 1420225		Supplemental AFE Number		Daily Field Est (Cost) 52,112		Cum Field Est (Cost) 3,212,083				
Number of Stages (ft) 56		Lateral Length (ft) 9,736		Time Since LTI (days)		Time Since Reportable Incident (days)				
Daily Contacts										
Contacts FB SUPVR, DAVID BRAY, LOOP; CONSLTNT, MIKE COOKE, CRSCNT										
Daily Operations										
Operations Summary NABORS RIG 480 CREW TO LOCATION. SAFETY MEETING ON JSA- 15 MINUTES. SHUTIN WELL W/ 140 PSI ISIP. ND FLOW LINES, FLOW CROSS & TOP FRAC VALVE. MIRU RIG BASE BEAM & RIG 480. RU NABORS KILL TRK, CONTROL CSG PSI W/ 180 BBLS 10 LB BRINE H2O, RD KILL TRK. RU 5 K BOP & HYDRILL, BOP TEST- OK. ND FRAC VALVE, NU BOP & HYDRILL. SPOT LD MACHINE, LOAD & TALLY 222 JTS 2 7/8" NEW 6.5# L-80 TBG. PU 1ST 3.75" STANLEY FILTER W/ 2 7/8" 6.5# L-80 TBG SUB (23.19'), 2ND 3.75" STANLEY FILTER W/ SUB (22.50'), 3RD 3.75" STANLEY FILTER W/ SUB (22.50'), 4TH 3.75" STANLEY FILTER W/ SUB (22.45'), 5TH STANLEY FILTER W/ SUB (22.47') & 2 7/8" X 5.5" PACKER ASSEMBLY (7.42'). TOTAL 120.53'. PU INSTALL & SERVICE SCHLUMBERGER ESP (95.60') BANDING ESP W/ SS BANDS. RIH W/ 2 JTS 2 7/8" 6.5# L-80 NEW PROD TBG, INSTALL 2 7/8" CHECK VALVE, 2 JTS NEW 2 7/8" 6.5# L-80 PROD TBG, INSTALL DRAIN SUB, TIH W/ 75 JTS 2 7/8" 6.5# L-80 PRODUCTION TBG INSTALLING ON EVERY TBG COLLAR W/ NEW CANNON CLAMPS & CHECKING ESP VOLTAGE EVERY 1000'. SHUTIN WELL, SDFD. NO ACCIDENTS OR SPILLS REPORTED FOR TODAY.										
Planned Operations FINISH TIH W/ ESP & PRODUCTION TBG.										
Time Log										
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Activity	Inactive?	Comments		Unschd Typ	NPT	
07:30	08:00	0.50	0.50	SAFETY MEETING	No	NABORS RIG 480 CREW TO LOCATION. SAFETY MEETING ON JSA- 15 MINUTES.				
08:00	10:00	2.00	2.50	RIG UP/DOWN	No	SHUTIN WELL W/ 140 PSI ISIP. ND FLOW LINES, FLOW CROSS & TOP FRAC VALVE. END OF FLOWTEST, ISSUE FINAL FLOWBACK REPORT, RDMO FLOWBACK EQUIPMENT				
10:00	11:00	1.00	3.50	RIG UP/DOWN	No	MIRU RIG BASE BEAM & RIG 480.				
11:00	11:30	0.50	4.00	GENERAL OPERATIONS	No	RU NABORS KILL TRK, CONTROL CSG PSI W/ 180 BBLS 10 LB BRINE H2O, RD KILL TRK.				
11:30	12:30	1.00	5.00	INSTALL BOP'S	No	RU 5 K BOP & HYDRILL, BOP TEST- OK. ND FRAC VALVE, NU BOP & HYDRILL.				
12:30	14:00	1.50	6.50	GENERAL OPERATIONS	No	SPOT LD MACHINE, LOAD & TALLY 222 JTS 2 7/8" NEW 6.5# L-80 TBG.				
14:00	16:00	2.00	8.50	TRIPPING	No	PU 1ST 3.75" STANLEY FILTER W/ 2 7/8" 6.5# L-80 TBG SUB (23.19'), 2ND 3.75" STANLEY FILTER W/ SUB (22.50'), 3RD 3.75" STANLEY FILTER W/ SUB (22.50'), 4TH 3.75" STANLEY FILTER W/ SUB (22.45'), 5TH STANLEY FILTER W/ SUB (22.47') & 2 7/8" X 5.5" PACKER ASSEMBLY (7.42'). TOTAL 120.53'.				
16:00	18:30	2.50	11.00	RUN TUBING	No	PU INSTALL & SERVICE SCHLUMBERGER ESP (95.60') BANDING ESP W/ SS BANDS. RIH W/ 2 JTS 2 7/8" 6.5# L-80 NEW PROD TBG, INSTALL 2 7/8" CHECK VALVE, 2 JTS NEW 2 7/8" 6.5# L-80 PROD TBG, INSTALL DRAIN SUB, TIH W/ 75 JTS 2 7/8" 6.5# L-80 PRODUCTION TBG INSTALLING ON EVERY TBG COLLAR W/ NEW CANNON CLAMPS & CHECKING ESP VOLTAGE EVERY 1000'.				
18:30	19:00	0.50	11.50	GENERAL OPERATIONS	No	SHUTIN WELL, SDFD. NO ACCIDENTS OR SPILLS REPORTED FOR TODAY.				
Safety Checks										
Time		Type			Inspected By		Description			
07:30		SAFETY MEETING			MIKE COOKE		JSA.			
Workover Rig										
Contractor NABORS				Rig Number 480			Rig Type WORKOVER			
Perforation Intervals										
Time	Zone		Top (ft)KB		Btm (ft)KB		Shot Dens (shots/ft)		Gun Size (in)	Com

