

Energen Resources Corp.

605 Richard Arrington Blvd.
Birmingham, AL 35205
(800) 292-4005

WellWork AFE Chronological Regulatory Report

Well Name : UNIVERSITY 19-17 1H

Prospect:	Sandridge	AFE #:	PB090711
Sec/Twp/Rge:	19 / /	Operator:	Energen
API #:	4247535889	Field:	PHANTOM
Work Type:	Completion	County , St.:	WARD, TX
Production Oil:	0 / 0	Gas:	0 / 0
		Water:	0 / 0

Wellwork Details

Date : 7/22/2012	Activity: WO Completion	Rig Name:	Days : 1
Daily Report Summary :			
Daily Report Detail:	Waiting on Completion. Drilling Cost: Re-Entry Cost: Completion Cost: \$0.00.		
Date : 7/26/2012	Activity: SI WO Frac Date	Rig Name:	Days : 5
Daily Report Summary :			
Daily Report Detail:	7/25/12 NU 7 1/16" 10K frac stack. MI and RU Red Zone 2 3/8" Coil Tubing Unit and Eqpt PU and MU Lubricator. PU and MU SPC Tools 2.88" OD X 2" Coil Connector, 2.88" OD DBPV, 2.88" OD Hyd Disconnect. Pull Test to 18,000#. PU and MU 2.88"OD Dual Circ Sub. Pressure Test CT and Tools 2500 PSI OK. PU and MU 2.88" OD Motor and 6 1/8" OD Bladed Mill. Test Motor 2.5 BPM OK. Tools 18.45'. Pressure Test BOP's, Lubricator and Head Assembly and Frac Stack to 1000 PSI, 3000 PSI and 6000 PSI OK. GIH. Tagged top of liner top at 10,417'. No cement on liner top. POOH w/ 6 1/8" mill. Changed out 6 1/18" mill to 3 3/4" bladed ill. GIH w/ mill & motor on 2 3/8" coil. Tagged TD at 15,429'. No cement. Pumped sweep. POOH with mill. RD coil unit at 2400 hours. Moved to University 18-18 #1. Shut well in. Log well on		
Date : 7/27/2012	Activity: SI	Rig Name:	Days : 6
Daily Report Summary :			
Daily Report Detail:	Shut in. Run CBL next Monday.		
Date : 7/28/2012	Activity: WO Frac Date	Rig Name:	Days : 7
Daily Report Summary :			
Daily Report Detail:	7/28/12 SI . WO frac date		
Date : 7/29/2012	Activity: SI	Rig Name:	Days : 8
Daily Report Summary :			
Daily Report Detail:	7/28/12- SI. Monday Run CBL in lateral		
Date : 7/30/2012	Activity: Log	Rig Name:	Days : 9
Daily Report Summary :			
Daily Report Detail:	7/29/12 SI. Monday . Run CBL on tractor		
Date : 7/31/2012	Activity: SHUT WELL IN	Rig Name:	Days : 10
Daily Report Summary :			
Daily Report Detail:	7/30/12- 0 psi on casing. RU Renegade WL & Alker Soutlion tractor. RIH on tractor. Ran CCL/CBL/GR from 15,427' to top of 4 1/2" liner at 10,425'. RD WL. Shut in. Tuesday- SI.		
Date : 8/1/2012	Activity: SHUT WELL IN	Rig Name:	Days : 11
Daily Report Summary :			
Daily Report Detail:	7/31/12 Shut well in. Wednesday- RU coil unit. Perf toe. Spot acid acid . Break down		
Date : 8/2/2012	Activity: Perf /acidize	Rig Name:	Days : 12
Daily Report Summary :			
Daily Report Detail:	8/1/12 Shut in. Thursday am. GIH w/ TCP guns on 2 3/8" coil.		

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Work Type:	Completion	County , St.:	WARD, TX
Production Oil:	0 / 0	Gas:	0 / 0
		Water:	0 / 0

Date : **8/3/2012** Activity: Wait on Frac Rig Name: Days : 13

Daily Report Summary :

Daily Report Detail: 8-02-12- RU Red Zone 2"coil unit. MU Baker Bpv/Disconnect MU PSI 3 1/8"perf guns 48' spacing, 6 shots/ft., size perfs .52, 60 degree phasing. RIH perforate stage #1. Tagged at 15,436'. Top perf 15435', 15,388', 15340', 15,292', 15,244', 15155'. Pressure up to 1600 psi. Pulled up firing each gun. Good indication all guns fired OK. RIH to 15,436'. Spotted 47 bbls 15% HCL . POOH RD Red Zone 2 3/8 coil. RU pump to breakdown perfs Broke down perfs @ 5,500 psi . Pumped into perfs at rate of 10 bbls min at 6000 psi.. Pumped a total of 75 bbls behind acid. ISIP 4,800 psi. 5 min.-1,800 psi. 10 min.-1,700 psi. 15 min.-1,100 SWI csg valves

Date : **8/4/2012** Activity: Wait on Frac Rig Name: Days : 14

Daily Report Summary :

Daily Report Detail: 8-03-12- WSI WO Frac.

Saturday- Frac Wednesday.

Date : **8/5/2012** Activity: Wait on Frac Rig Name: Days : 15

Daily Report Summary :

Daily Report Detail: 8-04-12- WSI WO Frac.

Sunday- Frac Wednesday

Date : **8/6/2012** Activity: Wait on Frac Rig Name: Days : 16

Daily Report Summary :

Daily Report Detail: 8-05-12- WSI WO Frac. Monday- Frac Wednesday.

Date : **8/7/2012** Activity: Wait on Frac Rig Name: Days : 17

Daily Report Summary :

Daily Report Detail: 8-06-12- WSI WO Frac. Monday- Frac Thursday.

Date : **8/8/2012** Activity: RU Frac Equipment Rig Name: Days : 18

Daily Report Summary :

Daily Report Detail: 8-07-12- WSI WO Frac. Wednesday- MIRU frac equipment.

Date : **8/9/2012** Activity: RU Frac Equipment Rig Name: Days : 19

Daily Report Summary :

Daily Report Detail: 8-08-12- RU Slumberger Frac Equipment load frac tanks acid, MU lubricator, MU perf guns.. Thursday- Test P/L 10,000 PSI Frac stages 1 thru 10 as per program.

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Work Type:	Completion	County , St.:	WARD, TX
Production Oil:	0 / 0	Gas:	0 / 0
		Water:	0 / 0

Date : **8/10/2012** Activity: Fish Perf Guns Rig Name: Days : 20
Daily Report Summary :
Daily Report Detail: 8-09-12- PJSM Load pressure test lines 9,800 psi.

Friday- Test P/L 9,800 PSI Frac Stages #1 as per program.

RU Schlumberger 3" frac lines. Tested lines and frac stack to 9,800 psi. PJSM. Started pump at 10:00 hrs.. 4,315 psi on casing.

Pumped as follows:

Breakdown- Slickwater 432 gal.

Acid 15% HCL 2,500 gal.

Pad WF120 1,000 gal.

Pad YF-120Flex D 9,000 gal.

Step Down Test Slick water 20,435 gal.

0.3 PPA 100 Mesh Sand 3,496 lbs @ 36.6 BPM

0.3 PPA 100 Mesh 65 lb @ 44 BPM

0.5 PPA 100 Mesh 9,809 lb @ 45.5 BPM

0.5 PPA 100 Mesh 420 lb @ 48.2 BPM

1.0 PPA 100 Mesh 21,523 lbs @ 53.4 BPM

1.0 PPA Super DC 30/50 12,819 lbs @ 59.8 BPM

1.0 PPA Super DC 30/50 29,455 lbs @ 57.2 BPM

1.5 PPA Super DC 30/50 52,290 lbs @ 57.1 BPM

2.1 PPA Super DC 30/50 69,817 lbs @ 57.0 BPM

3.1 PPA Super DC 30/50 89,495 lbs @ 57.8 BPM

4.2 PPA Super DC 30/50 63,994 lbs @ 61.8 BPM

Flush WF-120 19,332 Gal.

Total sand 350,000 lbs. Total fluid 287,297 Gal.

Avg. treating psi 7,505, Max. psi 8,378 psi, Min. psi 2,838 psi, Avg Inj 52.8 bpm, Max Inj 62.4 bpm, Avg. HP 9,732.3 hhp, Max. HP 11,904.5 hhp, Max. Proppant 4.2 PPA.

Materials:

Slickwater 84,857 gal.

HCL 15% 2,500 gal.

WF 120 75,343 gal.

YF 120FlexD 126,541 gal.

100 Mesh Sand 35,314 lbs.

Super DC 30/50 317,884 lbs

B145 Friction Reducer 40 gal.

LO64 Clay Stabilizer 555 gal.

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Work Type:	Completion	County , St.:	WARD, TX
Production Oil:	0 / 0	Gas:	0 / 0
		Water:	0 / 0

F112 EZEFL0 Surfactant 290 gal.

B244 Biocide 80 gal.

LO65 195 gal.

J580 Gelling Agent 4,047 lbs.

J218 Breaker 22 lbs

J604 Crosslinker 320 gal.

J475 eb-Clean Breaker 495 lbs.

U028 Activator 70 gal.

ISIP 5,516 PSI, 5 MIN. 5,486 PSI 10 MIN. 5,310 PSI

Stage #1 Perfs-15,435' - 15,155' 36 holes size 0.52, 6 SPF RIH CBP/Perf gun to perf, pumping plug down 9 bpm sudden stop WL stuck want move up/down,over pull WL disconnected from tools. POOH WL RD Schlumberger WL/Frac equipment.stage #2 CBP/Guns stuck @ 11.160' Intended setting depth CBP 15,123'

Friday- RU Red Zone 2 3/8" coil,MU Baker fishing tools 2.31" RIH engage fish POOH.

Date : **8/11/2012** Activity: Fish WL & Drill out plug Rig Name: Days : 21
Daily Report Summary :
Daily Report Detail: 8-10-12 WSI RU Red Zone CTU MU lubricator, RU pump check fish tool, RU crane.

Saturday- MU Baker 3 3/4" overshot/jars/circ sub/weight bars. RIH to 11, 094' engage 42' guns/cbp fish. POOH

Date : **8/12/2012** Activity: WSI - WO CT Rig Name: Days : 22
Daily Report Summary :
Daily Report Detail: 8-11-12 . PJSM CP 5,000 psi. RU Red Zone 2 3/8" ctu perform pull test 25,000 lbs on coil connector. MU Baker fish tools coil connector, dual BPV,Acelerator,2 weight bars, jars,hyd. Disconnect, circ sub xo overshot 3.75" w/ 2 5/16" basket catch.Pump thru tools, test tools to 3,000 psi. Pressure test lubricator 8,000 psi. RIH coil tag fish @ 11,094' set down 5k weight, pull up fish jarred loose, RIH tag @ 11,094' work coil up down several times, POOH coil OOH 15:00 Recovered 3' Schlumberger perf gun and Baker fish tools intact. RD guns Baker tools. Blow coil dry. RD Red Zone ctu SWI.

Date : **8/13/2012** Activity: Tight Hole Rig Name: Days : 23
Daily Report Summary :
Daily Report Detail: Tight Hole

Date : **8/14/2012** Activity: Tight Hole Rig Name: Days : 24
Daily Report Summary :
Daily Report Detail: Tight Hole

Date : **8/15/2012** Activity: Tight Hole Rig Name: Days : 25
Daily Report Summary :
Daily Report Detail: Tight Hole

Well Name : UNIVERSITY 19-17 1H

Prospect:
Sec/Twp/Rge:
API #: 4247535889
Work Type: Completion
Production Oil:

Sandridge
19 / /
Field: PHANTOM
County , St.: WARD, TX
0 / 0 Gas: 0 / 0

AFE #: PB090711
Operator: Energen
Supervisor:
Phone:
Water: 0 / 0

Date : 8/16/2012	Activity: Tight Hole	Rig Name:	Days : 26
Daily Report Summary :			
Daily Report Detail: Tight Hole			
Date : 8/17/2012	Activity: Tight Hole	Rig Name:	Days : 27
Daily Report Summary :			
Daily Report Detail: Tight Hole			
Date : 8/18/2012	Activity: Tight Hole	Rig Name:	Days : 28
Daily Report Summary :			
Daily Report Detail: Tight Hole			
Date : 8/19/2012	Activity: Tight Hole	Rig Name:	Days : 29
Daily Report Summary :			
Daily Report Detail: Tight Hole			
Date : 8/20/2012	Activity: Tight Hole	Rig Name:	Days : 30
Daily Report Summary :			
Daily Report Detail: 8-19-12 Tight Hole			
Date : 8/21/2012	Activity: Tight Hole	Rig Name:	Days : 31
Daily Report Summary :			
Daily Report Detail: Tight Hole			
Date : 8/22/2012	Activity: Tight Hole	Rig Name:	Days : 32
Daily Report Summary :			
Daily Report Detail: Tight Hole			
Date : 8/23/2012	Activity: Tight Hole	Rig Name:	Days : 33
Daily Report Summary :			
Daily Report Detail: Tight Hole			
Date : 8/24/2012	Activity: Tight Hole	Rig Name:	Days : 34
Daily Report Summary :			
Daily Report Detail: Tight Hole			
Date : 8/25/2012	Activity: Tight Hole	Rig Name:	Days : 35
Daily Report Summary :			
Daily Report Detail: Tight Hole			
Date : 8/26/2012	Activity: Tight Hole	Rig Name:	Days : 36
Daily Report Summary :			
Daily Report Detail: Tight Hole			
Date : 8/27/2012	Activity: Tight Hole	Rig Name:	Days : 37
Daily Report Summary :			
Daily Report Detail: Tight Hole			
Date : 8/28/2012	Activity: Tight Hole	Rig Name:	Days : 38
Daily Report Summary :			
Daily Report Detail: Tight Hole			
Date : 8/29/2012	Activity: Tight Hole	Rig Name:	Days : 39
Daily Report Summary :			
Daily Report Detail: Tight Hole			
Date : 8/30/2012	Activity: Tight Hole	Rig Name:	Days : 40
Daily Report Summary :			
Daily Report Detail: Tight Hole			
Date : 8/31/2012	Activity: Tight Hole	Rig Name:	Days : 41
Daily Report Summary :			
Daily Report Detail: Tight Hole			

Well Name : UNIVERSITY 19-17 1H

Prospect:
Sec/Twp/Rge:
API #: 4247535889
Work Type: Completion
Production Oil:

Sandridge
19 / /
Field: PHANTOM
County , St.: WARD, TX
0 / 0 Gas: 0 / 0

AFE #: PB090711
Operator: Energen
Supervisor:
Phone:
Water: 0 / 0

Date : 9/1/2012	Activity: Tight Hole	Rig Name:	Days : 42
Daily Report Summary :			
Daily Report Detail: Tight Hole			
Date : 9/2/2012	Activity: Tight Hole	Rig Name:	Days : 43
Daily Report Summary :			
Daily Report Detail: Tight Hole			
Date : 9/3/2012	Activity: Tight Hole	Rig Name:	Days : 44
Daily Report Summary :			
Daily Report Detail: Tight Hole			
Date : 9/4/2012	Activity: Tight Hole	Rig Name:	Days : 45
Daily Report Summary :			
Daily Report Detail: Tight Hole			
Date : 9/5/2012	Activity: Tight Hole	Rig Name:	Days : 46
Daily Report Summary :			
Daily Report Detail: Tight Hole			
Date : 9/6/2012	Activity: Tight Hole	Rig Name:	Days : 47
Daily Report Summary :			
Daily Report Detail: Tight Hole			
Date : 9/7/2012	Activity: Tight Hole	Rig Name:	Days : 48
Daily Report Summary :			
Daily Report Detail: Tight Hole			
Date : 9/8/2012	Activity: Tight Hole	Rig Name:	Days : 49
Daily Report Summary :			
Daily Report Detail: Tight Hole			
Date : 9/9/2012	Activity: Tight Hole	Rig Name:	Days : 50
Daily Report Summary :			
Daily Report Detail: Tighty Hole			
Date : 9/10/2012	Activity: Tight Hole	Rig Name:	Days : 51
Daily Report Summary :			
Daily Report Detail: Tight Hole			
Date : 9/11/2012	Activity: Tight Hole	Rig Name:	Days : 52
Daily Report Summary :			
Daily Report Detail: Tight Hole			
Date : 9/12/2012	Activity: Tight Hole	Rig Name:	Days : 53
Daily Report Summary :			
Daily Report Detail: Tight Hole CP 2,200 psi			
Date : 9/13/2012	Activity: Tight Hole	Rig Name:	Days : 54
Daily Report Summary :			
Daily Report Detail: Tight Hole			
Date : 9/14/2012	Activity: WSI No Activity	Rig Name:	Days : 55
Daily Report Summary :			
Daily Report Detail: WSI no activity waiting on decision to repair well.			
Date : 10/9/2012	Activity: RIG UP Flow back Manifold	Rig Name:	Days : 80
Daily Report Summary :			
Daily Report Detail: 10/08/12			
RU BTI manifold bleed csg psi off.			
Date : 10/10/2012	Activity: Tight Hole	Rig Name:	Days : 81
Daily Report Summary :			
Daily Report Detail: Tight Hole			

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API #:	4247535889	Field:	PHANTOM
Work Type:	Completion	County , St.:	WARD, TX
Production Oil:	0 / 0	Gas:	0 / 0
		Water:	0 / 0

Date : **10/11/2012** Activity: Tight Hole Rig Name: Days : 82

Daily Report Summary :

Daily Report Detail: Tight Hole

Date : **10/12/2012** Activity: Tight Hole Rig Name: Days : 83

Daily Report Summary :

Daily Report Detail: Tight Hole10-11-12 CP 3,100 psi. WSI. Friday's plan. RU Schlumberger logging RIH log Gamma Ray/CCL log to CBP @ 11,214'

Date : **10/13/2012** Activity: Tight Hole Rig Name: Days : 84

Daily Report Summary :

Daily Report Detail: Tight Hole10/12/12 2850 psi on casing. Bled pressure to 0 psi in 5 minutes. RU SLB with full lub & grease. PU 1 11/16" OD GR/CCL. RIH to 788'. Tagged hard. Could not get down with tool. RD & released WL. SIFN. Saturday- Drill out plugs with coil.

Date : **10/14/2012** Activity: Tight Hole Rig Name: Days : 85

Daily Report Summary :

Daily Report Detail: Tight Hole10/13/12- 2850 psi on casing. Made up 3.850 OD mill and 2 7/8" motor, disconnect, circulating sub. Tested tools. Tested BOP's to 6000 psi.

GIH w/ mill. Did not tag at 788'. RIH and tagged plug at 11,214'. Did not drill out. Hole is clean. POOH and rigged down coil. SIFWE. Monday- Run GR/CCL.

Date : **10/15/2012** Activity: Tight Hole Rig Name: Days : 86

Daily Report Summary :

Daily Report Detail: Tight Hole SIFWE. Monday Run GR/CCL

Date : **10/16/2012** Activity: Tight Hole Rig Name: Days : 87

Daily Report Summary :

Daily Report Detail: Tight HoleMorning Report for 10/15/12 - Operations for 10/15/12
10/15/12 0700hrs MIRU EP Wireline Truck. CSG pressure @ 3000 PSI. Held PJSM Bled off well to 0 PSI (5 min) MU GR/CCL & RIH w tools to 11,000' Entered TOL @ 10,415' & adjusted counter to match. Logged from 11,000' to 9700' Correlated from previous log. POOH LD tools & RD WL truck. MIRU Redzone 2 3/8" CTU. NU BOPs & MU jet nozzle. NU lubricator & injector Tested to 6500 PSI. Test ok. RIH to 10,850' Circulated 13.5 PPG mud. (380bbls.) POOH W/ CT. Did not see mud circulate to surface, well on slight vacuum. RD CTU MOL.
Plans for Tuesday: MIRU PU, Reverse unit, MI & rack workstring, NU BOPE, PU & RIH w/ Pkr

Date : **10/17/2012** Activity: Tight Hole Rig Name: Days : 88

Daily Report Summary :

Daily Report Detail: Tight Hole

Date : **10/18/2012** Activity: Tight Hole Rig Name: Days : 89

Daily Report Summary :

Daily Report Detail: Tight Hole Morning Report for 10/18/12 – Operations for 10/17/12

10/17/12 0730hrs arrived on location held PJSM. Checked well pressure, Csg – 35 PSI, Tbg – 600 PSI. Bled off pressure to pit. (3 min) Continued RIH w/ 2 3/8" WS picking up from racks. Entered TOL @ 10,415' Continued into liner to 10,699' Set Pkr & pressure tested down Tbg to 3000 PSI. Bled off 600 PSI in 1 min. Pressured up to 3000 PSI, Bled off 600 PSI in 1 min. Rlsd Pkr & RIH 2 jts to 10,762' set & pressured up to 3000 PSI on Tbg. Bled off 50 PSI / min (5 min) Pressured up to 3000 PSI bled off 450 PSI in 5 min. Pressured up to 3000 PSI, bled off 100 PSI in 15 min. Rlsd pkr & PUH 1 jt to 10,729' Set pkr & pressured up to 3000 PSI. held. Rlsd pkr & PUH 1 jt to 10,699' Pressured up to 3000 PSI on Tbg. Bled off 600 PSI in 1 min. Rlsd pkr & PUH 2 jts to 10,638' Set & pressured up to 3000 PSI on BS. Test good. Rlsd pkr & RIH 1 jt to 10,668' Set & pressured up to 3000 PSI on BS. Test ok. Rlsd pkr & POOH standing back Tbg. SIWFE

Plans for Thursday: Set 4 1/2" composite plug on WL

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Work Type:	Completion	County , St.:	WARD, TX
Production Oil:	0 / 0	Gas:	0 / 0
		Water:	0 / 0

Date : **10/19/2012** Activity: Tight Hole Rig Name: Days : 90

Daily Report Summary :

Daily Report Detail:

Morning Report for 10/19/12 – Operations for 10/18/12
10/18/12 0700hrs MIRU Schlumberger wireline. Checked Csg pressure 0 PSI. Held PJSM. MU 4 ½" Composite plug. RIH w/ ccl & weight bars. Tagged TOL @ 10,415' & corrected depth at that point. RIH to 10,800' Logged up hole to correlate to previous logs. RIH & set composite plug @ 10,682' PUH & RIH lightly tag plug. POOH LD setting tool, RD wireline truck & SIWFE.
Plans for Friday. RIH & set scab liner

Date : **10/20/2012** Activity: Tight Hole Rig Name: Days : 91

Daily Report Summary :

Daily Report Detail:

Morning Report for 10/20/12 – Operations for 10/19/12
10/19/12 0730hrs arrived on location held PJSM. Checked well pressure 150 PSI. Bled off to pit. MU 4 ½" Scab liner on a 10'x 2 3/8" PH6 sub. RIH w/ tbg on derrick. Tagged composite plug @ 10,702' Tbg depth. WO wireline 4hrs. MIRU EP wireline, MU 2.10" OD GR/ CCL tool w/ 1 weight bar Opened well & attempted to RIH. Well flowing and would not let tool sink. Added 1 additional weight bar and attempted to RIH. Well flowing and tool kept floating. SIWFN.
Plans for Saturday: Bleed down well, rig up full lubricator & attempt to RIH w/ GR/CCL Tool.

Date : **10/21/2012** Activity: Tight Hole Rig Name: Days : 92

Daily Report Summary :

Daily Report Detail:

Morning Report for 10/21/12 – Operations for 10/20/12
10/20/12 0730hrs Held PJSM. Csg pressure @ 100 PSI. Bled off to pit. RU Oil States 5k lubricator, PU GR/CCL tool. Well over running through Tbg, let lubricator fill and attempted to RIH w/ logging tool. No success. Worked tool up & down in lubricator attempting to push it into Tbg, no success. RD lubricator & LD logging tool. Pumped 25bbls 13.5 PPG mud down tbg to kill. Tbg on vacuum. POOH standing back Tbg on derrick. Stood back scab liner on derrick. Well dead. MU 5k flange onto annular & PU GR/CCL tool & RIH entered TOL @ 10,514' corrected depth at that point. Cont. in hole tagged composite plug @ 10,682' logged up hole to 10,550 to correlate with previous gamma log. Confirmed composite plug was in correct place. POOH LD logging tool RD WL truck MOL. RIH w/ scab liner & WS to 4500' SIWFN.

Date : **10/22/2012** Activity: Tight Hole Rig Name: Days : 93

Daily Report Summary :

Daily Report Detail:

Morning Report for 10/22/12 – Operations for 10/21/12
10/21/12 0730hrs Held PJSM. Checked pressure, Csg – 0 PSI, Tbg – 0 PSI. Continued RIH w/ Scab liner. Entered TOL @ 10,415' did not see or feel on brake handle or weight indicator. RIH & calculated tbg stretch and placed bottom of liner @ 10,666' RU stand pipe & Kelly hose. Pumped 5bbls 13.5 mud to ensure tbg will circulate. SD & dropped .78" ball down tbg. Let fall for 1hr. Tested lines to 9000 PSI. Opened valve & finished pumping down ball. Ball seated & tbg pressure began to rise to 6500 PSI. Tool began to stroke & followed it up w/ pulling unit blocks. Tool completed stroke & pulled out of scab liner, pressure dropped to 0 PSI, SD pump. RIH lightly tagged top of scab liner. PUH & pressure tested to 2400 PSI, held 5 min tet ok no bleed off. POOH LD WS. LD 256jts. 1800hrs SIWFN
Plans for Monday: POOH LD setting tool, RDPU ND BOPE, NU frac stack, RIH w/ coil tbg displace hole w/ water

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Work Type:	Completion	County , St.:	WARD, TX
Production Oil:	0 / 0	Gas:	0 / 0
		Water:	0 / 0

Date : **10/23/2012** Activity: Tight Hole Rig Name: Days : 94

Daily Report Summary :

Daily Report Detail:

Morning Report for 10/23/12 – Operations for 10/22/12

10/22/12 0730hrs Held PJSM. Checked pressure, Csg – 0 PSI, Tbg – 0 PSI. Continued POOH LD WS & csg patch setting tool. ND BOPE, RDPU MOL. Cleaned & leveled location moved pipe racks & WS off location. NU frac stack, MIRU 2-3/8" Red Zone Coil Tubing Unit. PU and MU 2.88" OD coil connector, 2 7/8" dual flapper valve , 2 7/8" OD hydraulic disconnect. Perform 30,000 lb pull test. MU 2 7/8" dual circulating . Test CT and tools to 3500 psi. Test good. PU and MU 2 7/8" OD tempess hydro pull, 2 7/8" OD motor and 3.25" OD Opticut 5 blade mill. Test motor at 2.5 BPM. Test good. Test frac stack to 9500 PSI, test good. RIH w/ mill @ 100' / min @ 1bbls/ min. Entered TOL @ 10,415' did not see go in. increased rate to 2.8bbls/ min. Entered Csg patch did not see any drag. Tagged csg patch shoe @ 10,685' (CT depth) PUH above patch & circulate well w/ fresh water. (500bbls to get clean fluid to surface) SD & tested csg to 8000 PSI, held 5 min no bleed off, RIH & drilled shoe in 14 min. pumped 10bbl sweep, circulated bottoms up. RIH & tagged composite plug 9' below, PUH & test csg to 8000 PSI. Held 5 min no bleed off. PUH 10' above csg patch & unloaded hole w/ nitrogen. POOH left CTU rigged up, swung injector out of way.

Plans for Tuesday: RIH w/ WL temp. log

Date : **10/24/2012** Activity: Tight Hole Rig Name: Days : 95

Daily Report Summary :

Daily Report Detail:

Morning Report for 10/24/12 – Operations for 10/23/12

10/23/12 1400hrs E&P WL truck arrived on location. Csg pressure @ 0 PSI. RU WL & MU GR/CCL/water temp, & pressure logging tool. RIH entered TOL @ 10,415' Correlated depth to previous logs. RIH & tagged @ 10,640' made 1 pass & RIH to do repeat pass. WL truck broke down & had to WO mechanic 3.5hrs Repaired truck & logged well from 10,640' to 10,000' Fluid level @ 10,127' RIH tagged @ 10,640' Tool would stack out & not go deeper. Waited 30 min & made another log run up to 10,000' No fluid influx, fluid level still @ 10,127' temp & pressure stayed the same. POOH LD tool, RD WL truck SIWFN.

Date : **10/25/2012** Activity: Tight Hole Rig Name: Days : 96

Daily Report Summary :

Daily Report Detail:

Morning Report for 10/25/12 – Operations for 10/24/12

10/24/12 MIRU E&P WL w/ CCL/guage tool. Csg pressure @ 0 PSI. RIH entered TOL @ 10, 415' correlated to previous runs. Tagged @ 10,640' logged up hole to 10,000' RIH and made second pass. Tagged @ 10,640' guage tool showed csg patch to be collapsed gauging @ 2.50. Guaging @ 3.50 from 10,640' to top of patch. POOH SIWFN.

Plans for Thursday: WO Orders

Date : **10/26/2012** Activity: Tight Hole Rig Name: Days : 97

Daily Report Summary :

Daily Report Detail:

Morning Report for 10/26/12 – Operations for 10/25/12

10/25/12 WSI WO Orders

Plans for Friday: RIH w/ camera on WL

Date : **10/27/2012** Activity: Tight Hole Rig Name: Days : 98

Daily Report Summary :

Daily Report Detail:

Morning Report for 10/27/12 - Operations for 10/26/12

10/26/12 Flowed back well last 24hrs through test separator on a 18/64 choke. Tbg pressure @ 1725 PSI. Gas spot rate @ 1.496 MMCD Flowed back 558 bbls of water at avg of 24 BPH. Flowed back 426 bbls of oil at avg of 20 BPH. Total oil on location 1290 bbls Total H2O recovered after frac load: 9,070 bbls Sold 3 loads

Ticket # 10902995 – 190bbls

Ticket # 10902996 – 190bbls

Ticket # 10902997 – 190bbls

Plans for Saturday: Flowtest

Well Name : UNIVERSITY 19-17 1H

Prospect:	Sandridge	AFE #:	PB090711
Sec/Twp/Rge:	19 / /	Operator:	Energ
API #:	4247535889	Field:	PHANTOM
Work Type:	Completion	County , St.:	WARD, TX
Production Oil:	0 / 0	Gas:	0 / 0
		Water:	0 / 0

Date : **10/28/2012** Activity: Tight Hole Rig Name: Days : 99

Daily Report Summary :

Daily Report Detail: Morning Report for 10/28/12 – Operations for 10/27/12
10/27/12 Tight Hole – WSI WO Orders
Plans for Monday: WSI WO Orders

Date : **10/29/2012** Activity: Tight Hole Rig Name: Days : 100

Daily Report Summary :

Daily Report Detail: Morning Report for 10/29/12 – Operations for 10/28/12
10/28/12 Tight Hole – WSI WO Orders
Plans for Monday: WSI WO Orders

Date : **11/16/2012** Activity: Tight Hole Rig Name: Days : 118

Daily Report Summary :

Daily Report Detail: Operations Report 11/15/12 - Morning Report 11/16/12
Bleed Gas Off, Load Hole With Fresh Water 179 bbls
MIRU Choctaw Rig 9, N.U. BOP
Unload And Strap 2 7/8" Tubing
P.U. Whitaker CIBP With Circulating Sub
P.U. 112 Joints 2 7/8" Tubing
Shut In For Night
Fridays Operations Finish Picking Up 2 7/8" Tubing Set CIBP, Set Cement Plug

Date : **11/17/2012** Activity: Tight Hole Rig Name: Days : 119

Daily Report Summary :

Daily Report Detail: Operations Report 11/16/12 - Morning Report 11/17/12
Bleed Gas Off, P.U. 2 7/8" Tubing RIH With Whitaker CIBP (3.55 o.d.)
Set CIBP @ 10626'
Cement: Pump 100 sx Class H + 1.2% C-35 + 2% C-20 + .25% R-38 17.0 wt., 1.00 Yield, 17.5
bbls Slurry,
Displaced With 57.5 bbls Fresh water
P.O.O.H. , Like 51 Stands, Shut In For The Weekend

Date : **11/18/2012** Activity: Tight Hole Rig Name: Days : 120

Daily Report Summary :

Daily Report Detail: Shut In For The Weekend

Date : **11/19/2012** Activity: Tight Hole Rig Name: Days : 121

Daily Report Summary :

Daily Report Detail: Shut In For The Weekend

Date : **11/20/2012** Activity: Tight Hole Rig Name: Days : 122

Daily Report Summary :

Daily Report Detail: University 19-17 #1
Morning Report for 11/20/12 - Operations Report for 11/19/12. Held PJSM w/crew. SICP 0 psig.
SITP 0 psig. Finish TOOH w/80 jts 2-7/8", EUE 8rd, 6.5# N-80 tbg & setting tl. LD setting tl. PU &
TIH w/6-1/8" WO bit, XO, 3 - 3-1/2" DC's, XO & 314 jts 2-7/8", EUE 8rd, 6.5# N-80 tbg. Tgd
TOC @ 10,175'. RU 2.5 pwr swivel. Estb circ up tbg w/rev unit. DO HD cmt fr/10,175' - 10,415'
tbg depth (240' of cmt). Note: TOL tgd @ 10,465' w/tub on CIBP run. Circ cln. RD pwr swivel.
TOOH & LD w/5 jts 2-7/8", EUE 8rd, 6.5# N-80 tbg. SWI. Secure location. SDFN. Next day
operation : Finish TOOH & LD WS. RDMO service unit & equip.

Date : **11/21/2012** Activity: Tight Hole Rig Name: Days : 123

Daily Report Summary :

Daily Report Detail: University 19-17 #1
Morning Report for 11/21/12 - Operations Report for 11/20/12. Held PJSM w/crew. SICP 0 psig.
SITP 0 psig. PT csg to 1,000 psig for 10 min. Tst OK. Increase press to 2,000 psig for 15 min. Tst
ok Rlsd press. TOOH & LD w/315 jts 2-7/8", EUE 8rd, 6.5# N-80 tbg, XO, 3 - 3-1/2" DC's, XO & 6-
1/8" bit. Close & secure 7-1/16" frac vlv. RD floor & tls. ND BOP. RD LD equip. RDMO service
unit & equip. Secure location. Next day operation: WSI. WO Drilling rig.

Well Name : UNIVERSITY 19-17 1H

Prospect:	Sandridge	AFE #:	PB090711
Sec/Twp/Rge:	19 / /	Operator:	Energen
API #:	4247535889	Field:	PHANTOM
Work Type:	Completion	County , St.:	WARD, TX
Production Oil:	0 / 0	Gas:	0 / 0
		Water:	0 / 0

Date : **11/28/2012** Activity: Tight Hole Rig Name: Days : 130

Daily Report Summary :

Daily Report Detail: University 19-17 #1

Morning Report for 11/29/12 - Operations Report for 11/28/12. Held PJSM w/crew. MIRU Schlumberger E & P WLU & associated equip. SICP 0 psig. RIH w/3-1/8" SB & CCL tl. Tgd TOC @ 10,254' (note; logging t/s zeroed at ground level w/no KB added. Drilling rpts KB of 28'). Run CCL log fr/10,254' - 9,780' & fr/5,540' - 4,650'. POOH w/WL. SWI. RDMO WLU & equip. Next

Date : **1/14/2013** Activity: CO TO TOE w/CT, TCP Rig Name: Days : 177

Daily Report Summary :

Daily Report Detail: University 19-17 #1H

Morning report for 1.15.2013 operations report for 1.15.2013
Held PJSM w/crews. SICP 0 psig. MIRU BTI 10k frac stack & flow back manifold & lines. MIRU Redzone CTU w/pmp & equip. PT lines to 8,500 psig. Tst OK. Rlsd press. Load coil. PU head & lubricator. Assemble 2.88" X 2.0" connector. Pull tst 20K. Tst good. Assemble 2.88" DBPV/ 2.88" Fau hydraulic disconnect, 2.88 dual circ sub. PT 2" coil tbg to 2500 psig for 5 min. Tst OK. Rlsd press. Assemble hydro Tempres hydro pull tl tool, 2.88" X-tream NAVI Motor & 3.75" Glyphaloy ML. Perform motor function tst @ 2.5 BPM. Tst OK. PU head & lubricator w/tls & NU to stack. PT frac stack, flow back manifold, lubricator & BOP's 250 psig low & 8,500 psig high for 10 min. Tst OK. Rlsd press. PT csg to 5,000 psig for 15 min. Tst OK w/no leak off. Rlsd press. RIH while circ 1 BPM FW. Weight check @ 10,000' (pulling 37K out 23K in). Enter liner @ 10,213' w/no trouble. Increasing circ to 2.8 BPM. Tgd FC @ 15,481' CTD (drilling rpts depth of FC @ 15,491'). DO FC @ 15,481' CTD & cmt fr/15,482' - 15,545' CT (63' of cmt). Pmp 5 - 15 bbl sweeps pumped w/ FC & cmt drill out. Circ c/n. POOH while circ 2.8 BPM. Stop @ 50' FS & blow coil, frac stack & flow back lines & manifold dry. Con't POOH w/coil & BHA. SWI. SDFN.
Next day operation: RIH w/TCP guns & perf 1st stage. Spot acid. POOH w/coil & perform DFIT w/surf gauges.

Date : **1/15/2013** Activity: WSI Wait On Frac Rig Name: Days : 178

Daily Report Summary :

Daily Report Detail: University 19-17 #1H

Morning report for 1.16.2013 operations report for 1.15.2013
Held PJSM w/crews. SICP 0 psig. LD milling BHA of Tempres hydro pull tl tool, 2.88" X-tream NAVI Motor & 3.75" Glyphaloy ML. Mill w/med ware. MIRU GTR Transport w/3-1/8" TCP. RIH w/guns. Weight check @ 10,000' (pulling 28K out 23K in). Enter liner @ 10,213' w/no trouble. Tgd @ 15,545' (CTD PBTB). Pull up to 15,544'. Install surf press gauges in csg vlv. Press csg to 1,900 psig & engage direct pressure firing head. First stage perfs fr/ 15,542 - 15,544', 15,518' - 15,520', 15,456' - 15,458', 15,394' - 15,396', 15,332' - 15,334' w/3-1/8" guns loaded 8 JSPF w/23 gram charge , 0.52" hole & 36.20" penn @ 60 deg phasing. RIH w/guns. Tgd @ 15,454' CTU PBTB). PU 1' off bot. MIRU Rising star acid transport. Pmp 30 bbl Fw spacer, 35.7 bbls 15% acid dwn coil. Displace w/48 BFW. POOH w/coil to depth of 13,000'. Pmp 80 BFW mixed w/soda ash. Circ 2.5 BPM. POOH w/coil & guns. Inspect guns. All shots fired. RDMO GTR Transport & equip. Load csg w/12 BFW. EIR dwn csg @ 3 BPM w/13 BFW @ 5,900 psig. SD pmp. SWI. RDMO Redzone CTU and all associated equip. Secure location. SDFN.
Next day operation: WSI. Recording surface pressure data. Wait on frac date.

Date : **1/16/2013** Activity: Wait on Frac Date Rig Name: Days : 179

Daily Report Summary :

Daily Report Detail: Recording surface pressure data. Wait on frac date.

Date : **1/17/2013** Activity: Wait on Frac Date Rig Name: Days : 180

Daily Report Summary :

Daily Report Detail: Recording surface pressure data. Wait on frac date.

Date : **1/18/2013** Activity: Wait on Frac Date Rig Name: Days : 181

Daily Report Summary :

Daily Report Detail: Recording surface pressure data. Wait on frac date.

Date : **1/19/2013** Activity: Wait on Frac Date Rig Name: Days : 182

Daily Report Summary :

Daily Report Detail: Recording surface pressure data. Wait on frac date.

Well Name : UNIVERSITY 19-17 1H

Prospect: Sandridge
Sec/Twp/Rge: 19 / /
API #: 4247535889 Field: PHANTOM
Work Type: Completion County , St.: WARD, TX
Production Oil: 0 / 0 Gas: 0 / 0

AFE #: PB090711
Operator: Energen
Supervisor:
Phone:
Water: 0 / 0

Date : **1/20/2013** Activity: Wait on Frac Date Rig Name: Days : 183
Daily Report Summary :
Daily Report Detail: Recording surface pressure data. Wait on frac date.
Date : **1/21/2013** Activity: MIRU Frac Equip Rig Name: Days : 184
Daily Report Summary :
Daily Report Detail: MIRU Frac Equip & WLU and all associated equip.

Well Name : UNIVERSITY 19-17 1H

Prospect:	Sandridge	AFE #:	PB090711
Sec/Twp/Rge:	19 / /	Operator:	Energ
API #:	4247535889	Field:	PHANTOM
Work Type:	Completion	County , St.:	WARD, TX
Production Oil:	0 / 0	Gas:	0 / 0
		Water:	0 / 0
		Supervisor:	
		Phone:	

Date : **1/22/2013** Activity: FRAC SET CBP PERF Rig Name: Days : 185

Daily Report Summary :

Daily Report Detail:

University 19-17 #1H

Morning Report for 1/22/12. Operations on 1/23/12

Held PJSM w/crews. MIRU Schlumberger frac equip & E & P WLU and all associated equip. PT lines to 9,000 psig. Tst OK. Rlsd press. PT frac stack to 8500 psig. Tst OK. Rlsd press. SICP 3,515 psig.

Held PJSM. Frac stages 1 out of 12 in Wolfcamp. OWU.

Frac stages 1

Stage #1 – 15,332' – 15,544' ATP 7963 psi. AIR 54.9 BPM.

As measured volumes by stage for stage #1

Step Name	Slurry Vol	Rate	Fluid Name	Fluid Vol	Prop Name	Max
Prop Con	Prop Mass					
	(bbls)	(bbl/min)		(gals)		
(PPA)	(lbs)					
Stage Totals						
1. Slick wtr	23.8	9.0	Slickwater	993		
0	0					
2. Acid	59.5	15.0	15% HCl	2,496		
0	0					
3. Pad SW	777.2	24.0	Slickwater	32,609	100 Mesh sd	
.5	376					
4. .25 PPA	288.9	44.5	Slickwater	12,009	100 Mesh sd	
.3	2759					
5. Sweep	119.0	44.3	Slickwater	4992	100 Mesh sd	
.0	131					
6. 0.50 PPA	365.2	49.9	Slickwater	15,010	100 Mesh sd	
.4	7139					
7. Sweep	119.0	57.6	Slickwater	4996	100 Mesh sd	
.0	82					
8. 1.0 PPA	448.0	59.5	Slickwater	18,008	100 Mesh sd	
.7	17,673					
9.0.50 PPA	487.6	63.7	WF 120	19,986	Super DC 30/50	
.5	10,289					
10. 1.0 PPA	598.8	59.6	WF 120	24,002	Super DC 30/50	
.3	24,023					
11. 1.5 PPA	714.6	59.8	YF120FlexD	27,985	Super DC 30/50	
2.0	42,269					
12. 2.0 PPA	730.6	61.9	YF120FlexD	27,974	Super DC 30/50	
3.1	56,450					
13 3.0 PPA	653.6	65.5	YF120FlexD	23,983	Super DC 30/50	
3.8	72,273					
14. 4.0 PPA	347.0	68.0	YF120FlexD	12,451	Super DC 30/50	
4.1	44,374					
15. Flush	480.7	62.5	WF120	20,238	Super DC30/50	
0.1	28					

Stage Pressures and Rates:

Average Treating Pressure: 7936 psi

Maximum Treating Pressure: 8209

Minimum Treating Pressure: 3483 psi

Average Injection Rate: 54.9

bbl/min

Maximum Injection Rate: 70.7 bbl/min

Average Horsepower: 10,753 hhp

Maximum Horsepower: 14,072 hhp

Maximum Prop Concentration: 4.1

PPA

Material Balance Pumped:

WF 120- 64,226 gal

YF125Flex-L065- 149,984 gal

YF12Flex D- 92,393 gal

SuperDC 30/50 - 249,709 lb

Super DC 30/50- 249,707 lb

B244, Biocide- 50 gals

B145 Friction Reducer – 50 gals

Well Name : UNIVERSITY 19-17 1H

Prospect:	Sandridge	AFE #:	PB090711
Sec/Twp/Rge:	19 / /	Operator:	Energen
API #:	4247535889	Field:	PHANTOM
Work Type:	Completion	County, St.:	WARD, TX
Production	Oil:	Gas:	Water:
	0 / 0	0 / 0	0 / 0

L071, Clay Stabilizer- 345 gal J580, Gelling Agent- 3045 lb

F112, EZEFFLO Surfactant – 405 gals

J218, Breaker- 33 lb

J604, Crosslinker- 230 gal

J475, EB-CLEAN Breaker- 330 lb

U028 Activator- 20 gal

Total load stages #1: 5898 bbls

Total Frac Load Stages 1: 5898 bbls

ISIP: 5454

RU WLU & 10K lub. SICP 4680 psig. Equalize. OWU. RIH w/Baker 10K composite BP & 5 clusters of 2-7/8" guns loaded 8 JSPF per 2'. Found TOL @ 10,216' (Drilling reports TOL @ 10,213'). Enter TOL w/no trouble. Run 200' CCL strip across TOL. Pmp plg & guns dwn to 15,263' & 14 BPM w/no trouble. Spot 12 bbls 15% acid across 2nd stage perms w/pmp dwn. Set CBP @ 15,263'. All indications @ surface plg set OK. Pull WL up 2' off plg. Attempt to PT CBP. Plg not holding. Pumping past plg w/2 BPM @ 6,260 psig. SD pmps. Decision made to set 2nd plg.

Date : **1/23/2013**
Daily Report Summary :
Daily Report Detail:

Activity: FRAC SET CBP PERF

Rig Name:

Days : 186

University 19-17

Morning Report for 1.24.13 Operations on 1.23.13

Held PJSM w/crews. SICP 3680 psig. RU WL. Equalize. OWU. RIH w/Baker 10K composite BP & 5 clusters of 2-7/8" guns loaded 8 JSPF per 2'. Found TOL @ 10,216' (Drilling reports TOL @ 10,213'). Enter TOL w/no trouble. Run 200' CCL strip across TOL. Pmp plg & guns dwn @ 14 bpm. Plg set dwn @ 13,190'. Made 3 attempts to pmp plg past 13,190' w/o success. POOH w/WL. Inspect CBP. Found no damage to plg and no scarring on bottom or OD skin of plg. RU Schlumberger frac pmp. Mix & pmp 250 bbl 40 ppg gel sweep 35 BPM @ 7550 psig. Displace w/379 BFW. SD pmps. RU WL. Equalize. RIH w/Baker 10K composite BP & 5 clusters of 2-7/8" guns loaded 8 JSPF per 2'. Enter liner w/no trouble. Run 200' CCL strip across TOL. Pmp plg & guns dwn @ 14 bpm. Plg set dwn @ 13,190'. Made several attempts to pmp plg past 13,190' w/o success. POOH w/WL. SWI. Visual Inspect CBP. Did not find scarring or damage on plg. RD WLU & equip and move to side of location. RD frac stand pipe fr/WH. Move treating van to side of location. MIRU Redzone CTU & equip. SICP 4,850. Load coil. PU head & lubricator. Baker Oil Tool service hand arrive on locatin. Assemble 2.88" X 2.0" connector. Pull tst 20K. Tst good. Assemble 2.88" DBPV/ 2.88" Fau hydraulic disconnect, 2.88 dual circ sub. PT 2" coil tbg to 2500 psig for 5 min. Tst OK. Rlsd press. Assemble hydro Tempress hydro pull tl tool, 2.88" X-tream NAVI Motor & 3.875" flat bot ML. Perform motor function tst @ 2.5 BPM. Tst OK. PU head & lubricator w/tls & NU to stack. PT frac stack, flow back manifold, lubricator & BOP's to 4,850 psig w/WH press for 10 min. Tst OK. OWU. RIH w/coil @ 140 fpm (pmp kicked out no fld being pumped w/TH). Weight check @ 10,000' (pulling 37K out 23K in). Tgd TOL @ 10,216'. PU 15' & kick fld pmp in @ 1.5 bpm and roll motor over. Drop back dwn and enter liner w/no trouble. SD pmp. Con't TIH coil @ 80 fpm. Slow coil to 40 fpm @ 13,100. Con't RIH to 13,250' w/no tag (WL set dwn @ 13,190'). Pull back through this interval several times w/3.875" mill with motor kicked out and with motor kicked in @ 1.5 bpm w/no tag. SD pmp & con't RIH w/coil. Tgd @ 15,274' CTD (WL CBP set depth @ 15,263'). POOH w/coil pumping 1 bpm. SWI. RDMO Redzone CTU & all associated equip. Secure location. SDFN.

Well Name : UNIVERSITY 19-17 1H

Prospect:	Sandridge	AFE #:	PB090711
Sec/Twp/Rge:	19 / /	Operator:	Energ
API #:	4247535889	Field:	PHANTOM
Work Type:	Completion	County , St.:	WARD, TX
Production Oil:	0 / 0	Gas:	0 / 0
		Water:	0 / 0

Date : **1/24/2013** Activity: FRAC SET CBP PERF Rig Name: Days : 187

Daily Report Summary :

Daily Report Detail:

University 19-17 #1H

Morning Report for 1.25.13 Operations on 1.24.13

Held PJSM w/crews. SICP 4820 psig. RU WL & associated equip. PT lubricator & Frac stack to 8k. Tst OK. Rlsd press. Equalize lubricator w/WH press. OWU. RIH w/Baker 10K composite BP & 5 clusters of 2-7/8" guns loaded 8 JSPF per 2'. Found TOL @ 10,216'. Enter TOL w/no trouble. Run 200' CCL strip across TOL. Pmp plg & guns dwn @ 14 bpm. Set dwn @ 13,190' CCL depth w/CBP depth @ 13,230'. Pull t/s up hole 500'. Made 4 attempts to pmp plg past 13,230' pulling up hole 500' and pumping dwn @ 16 BPM w/o success. POOH w/WL. Inspect CBP. Found no damage to plg. SWI. RD WL & equip. WO CTU to arrive. IPS CTU arrive on location @ 16:30 hrs. SD 4 hrs to replace damaged main hydraulic hose on coil unit. PU head. Assemble 2.88" X 2.0" connector. Pull tst 20K. Tst good. Assemble 2.88" DBPV/ 2.88" universal disconnect & XO. Load coil w/FW. Lost transmission in fld pmp when loading coil. WO fld pump fr/town 4 hrs. RU fld pmp. Finish loading coil. Assemble #10 Mod "J" setting tl & 4-1/2" 10K Copperhead plg. PU head & lubricator w/t/s & NU to frac stack. PT frac stack, lubricator & BOP's to 8,000 psig for 10 min. Tst OK. Rlsd press. SICP 4,820 psig. Equalize w/csg press. OWU. RIH w/plg. Coil depth @ rpt time 7,200'.

Operations for day: Con't RIH w/plg on coil. Set plg @ 15,200' & PT.

Date : **1/25/2013**

Daily Report Summary :

Daily Report Detail:

University 19-17 #1H

Morning Report for 1.26.13 Operations on 1.25.13

Held PJSM w/crews. SICP 4820 psig. Con't RIH w/#10 Mod "J" setting tl & 4-1/2" 10K Copperhead plg. Tgd TOL @ 10,275' (62' deep). Drilling reports TOL @ 10,213'. Pull plg 200' kickpmp in @ 1.5 BPM. Made 2 attempts and worked plg into liner. Kick pmp out. Con't RIH. Tgd CBP Set @ 15,263'. Pull coil up 88'. Plg depth @ 15,175'. Drop 5/8" ball. Dicplace 5/8" ball dwn coil w/78 BBLs. Set CBP @ 15,175'. Pick up off plg 30'. Drop back dwn & tgd plg @ 15,175'. POOH 100' w/coil. Attempt to PT CBP to 8,000 psig w/40 BFW. No tst. EIR of 3 bpm @ 5,500 psig. SD pmp. POOH w/coil. SWI. Inspect #10 setting tl. Tool checked out OK & shear pins looked OK. RDMO Frac company. RDMO IPS CTU & all associated equip. Secure location. SDFN.

Next day operation.: Bull head 280 bbls 10# BW dwn csg. RU 7" 10K lub. PT. Set 7" AS-1X w/10K disk. SWI. PT pkr & csg. RD frac stack to BOT 7-1/16" Frac vlv.

Date : **1/26/2013**

Daily Report Summary :

Daily Report Detail:

University 19-17 #1H

Morning Report for 1.27.13 Operations on 1.26.13

Held PJSM w/crews. SICP 4,500 psig. MIRU E & P WLU & equip, Gibson 90 ton crane & Oil States 7" 10K lubricator w/dual hyd 10K WL BOP's. MIRU Rising Star fld pmp services. RU lines. Prime up & PT lines to 7,000 psig. Tst OK. Rlsd press DWN to 4,500 psig. OWU. Bull Head 400 bbls 10# BW dwn csg @ 8.5 BPM w/5,200 psig. SD pmp. SWI. MIRU Whitaker Oil Tools 7" x 2-7/8" AS-1X - 10K pkr w/2-7/8" x 2.31" XN profile nipple, 2-7/8" sub w/10K glass disk w/WL re-entry guide. Pkr equipped w/carbide slips & all wetted parts of pkr nickle plated. SICP 4,000 psig. Equalize lub w/WH press. OWU. RIH w/pkr. Tdg TOL @ 10,213'. Pull up & set pkr w/slow burn pwr charge @ 10,110'. PU WL 10' off pkr. Drop back dwn & tgd pkr @ 10,110'. POOH w/WL (BD csg press on 12/64" ck to 0 psig while WL POOH). SWI. LD t/s & LUB. RU Rising Star fld pmp. PT 7" csg & pkr to 2,000 psig for 30 min. Tst OK. Rlsd press. SWI. RDMO WLU equip, Rising Star pmp equip, Gibson crane & Oil states. Secure location. SDFWE.

Next day operation. WSI Sunday 1.27.2013. Monday 1.28.2013 RD frac stack dwn to bot 7-1/16" frac vlv & clean location.

Date : **1/27/2013**

Daily Report Summary :

Daily Report Detail:

WSI Sunday 1.27.2013. Monday 1.28.2013 RD frac stack dwn to bot 7-1/16" frac vlv & clean

Well Name : UNIVERSITY 19-17 1H

Prospect:	Sandridge	AFE #:	PB090711
Sec/Twp/Rge:	19 / /	Operator:	Energ
API #:	4247535889	Field:	PHANTOM
Work Type:	Completion	County , St.:	WARD, TX
Production Oil:	0 / 0	Gas:	0 / 0
		Water:	0 / 0

Date : **1/28/2013** Activity: ND Frac Valve & Cross Rig Name: Days : 191

Daily Report Summary :

Daily Report Detail: University 19-17 #1H
Morning Report for 1.29.13 Operations on 1.28.13
Held PJSM w/crews. SICP 0 psig. RD frac stack dwn to bot 7-1/16" frac vlv & NU BTI 10K B-1
adpt w/15K vlv. Clean location.

Date : **3/8/2013** Activity: MIRU Frac Equip Rig Name: Days : 230

Daily Report Summary : RU the 10k Frac Valve, Prep for WOU Ops

Daily Report Detail: 1500 Hrs, SICP 0 psi, MI ND BTI 7 1/16" 10k gate valve, RU 7 1/16" 10k Frac Valve, SD, Prep
to MI Tbg, pipe racks and catwalk. Prep for WOU Ops.

From 15:00 To 3 hrs Category/Rmks: MIRU : SICP 0 psi, MI RD BTI 7 1/16" 10k gate valve, RU 7 1/16" 10k Frac
Valve, SD, Prep to MI Tbg, pipe racks and catwalk. Prep for WOU Ops.

Date : **3/9/2013** Activity: MIRU Rig Name: Days : 231

Daily Report Summary : RU on Wellhead, Transfer 2 7/8" tubing to location for workover Ops, Prep to MIRU WOU
Daily Report Detail: 0600 hrs, RU line for monitoring annulus pressure, Transfer 3 67 Jts 2 7/8" 6.5# L80 Eue8rd
tubing and Pipe Racks from 39-17H location, Prep to MIRU WOU 3-13-13.

From 6:00 To 5:30 23.5 Category/Rmks: MIRU : RU line for monitoring annulus pressure, Transfer 3 67 Jts 2 7/8"
6.5# L80 Eue8rd tubing and Pipe Racks from 39-17H location, Prep to

Date : **3/11/2013** Activity: Wait on Equipment Rig Name: Days : 233

Daily Report Summary : Prep to MIRU WOU to RIH with 2 7/8" Tbg.

Daily Report Detail: 0600 hrs, SICP 0 psi, Prep to MIRU WOU, 7 1/16" X 10k Frac Valve RU, 2 7/8" Tbg on
Location

From 6:30 To 5:30 23 Category/Rmks: MIRU : SICP 0 psi, Prep to MIRU WOU, 7 1/16" X 10k Frac Valve RU, 2 7/8"
Tbg on Location

Date : **3/12/2013** Activity: Wait on Equipment Rig Name: Days : 234

Daily Report Summary : Prep to MIRU WOU, RU Flowcross and BOP's

Daily Report Detail: 0600 hrs, SICP 0 psi, Frac valve rigged up,
0530 hrs, Prep to MIRU flowcross and BOP's, MIRU WOU, pipe racks, catwalk, RU flowback
manifold, 2-Frac tanks and Lgt Plants.

From 6:00 To 13:00 7 hrs Category/Rmks: MIRU : SICP 0 psi, Frac valve rigged up,

From 13:00 To 5:30 16.5 Category/Rmks: MIRU : 0600 hrs, Prep to MIRU flowcross and BOP's, MIRU WOU, pipe racks,
catwalk, RU flowback manifold, 2-Frac tanks and Lgt Plants.

Date : **3/13/2013** Activity: MI & RU WO Equipment Rig Name: Days : 235

Daily Report Summary : MIRU WOU and equipment, Prep to PU RIH with 2 7/8" Tbg,

Daily Report Detail: 0600 hrs, SICP 0 psi, Frac valve rigged up, flow cross installed
1300 hrs, Prep to MIRU WOU, pipe racks, catwalk, RU flowback manifold, 2-Frac tanks and Lgt
Plants.

From 6:00 To 5:30 23.5 Category/Rmks: MIRU : SICP 0 psi, Frac valve rigged up, flow cross installed, Prep to MIRU
WOU, pipe racks, catwalk, RU flowback manifold, 2-Frac tanks and Lgt Plants,
MI BOP, annular and Acc.

Date : **3/14/2013** Activity: MI & RU WO Equipment Rig Name: Days : 236

Daily Report Summary : MIRU WOU, Prep to PU 2 7/8" tubing, and RIH to pull packer out of 7.0" casing.

Daily Report Detail: 0600 hrs, Prep to MIRU WOU, Rig broke down on way to location, MIRU FB tanks and pipe
racks
1500 hrs, WOU on location, RU WOU and set pipe racks

From 6:00 To 15:00 9 hrs Category/Rmks: MIRU : Prep to MIRU WOU, Rig broke down on way to location, MIRU FB
tanks and pipe racks, WOU on location, RU WOU and set pipe racks

From 15:00 To 5:30 14.5 Category/Rmks: MIRU : Prep to PU tubing.

Well Name : UNIVERSITY 19-17 1H

Prospect:	Sandridge	AFE #:	PB090711
Sec/Twp/Rge:	19 / /	Operator:	Energen
API #:	4247535889	Field:	PHANTOM
Work Type:	Completion	County , St.:	WARD, TX
Production	Oil:	Gas:	0 / 0
		Water:	0 / 0

Date : **3/15/2013** Activity: RIH . w/ tbg. Rig Name: Days : 237

Daily Report Summary : MIRU WOU, PU RIH with 2 7/8" tubing

Daily Report Detail: 0600 hrs, On location SICP 0 psi, WOU broke down, on way to location.
0800 hrs, MI MISwaco on location, RU flowback Iron, set circulating tank and skid Pump.
1030 hrs, Basic WOU on location, start RU, set pipe racks and load with 370 Jts of 2 7/8" 6.5# N80 Eue8rd tubing.RU PU/LD Machine.
1100 hrs, Start tally 370 Jts, 2 7/8" 6.5# L80 Eue8rd tubing,
1600 hrs, PU Whitaker on/off tool 5.5"OD and 1.55', 1 4'X 2 7/8" Ported pup JT, PU RIH with 2
16:30 hrs, RIH w/ 115 jts 2 7/8" N-80 tbg. (EOT 3,760')
2000 hrs, No night crew available, SIW SDON. Prep to PU and Con't RIH with tubing and in AM.

From 6:00 To 11:00 5 hrs Category/Rmks: RUN TBG : On location SICP 0 psi, WOU broke down, on way to location, MI MISwaco on location, RU flowback Iron, set circulating tank and skid Pump, Basic WOU on location, start RU, set pipe racks and load with 370 Jts of 2 7/8" 6.5# N80 Eue8rd tubing.RU PU/LD Machine.

From 11:00 To 9 hrs Category/Rmks: RUN TBG : Start tally 370 Jts, 2 7/8" 6.5# L80 Eue8rd tubing, PU Whitaker on/off tool 5.5"OD and 1.55', 1 4'X 2 7/8" Ported pup JT, PU RIH with 2, RIH w/ 115 jts 2 7/8" N-80 tbg. (EOT 3,760'), No night crew available, SIW SDON. Prep to PU and Con't RIH with tubing and in AM.

Date : **3/16/2013** Activity: RIH . w/ tbg. Rig Name: Days : 238

Daily Report Summary : RIH with tubing latch packer, prep to break glass disk and flowback

Daily Report Detail: 0600 hrs, SICP 0 psi, Con't to tally 370 Jts, 2 7/8" 6.5# L80 Eue8rd tubing,
0630 hrs, Con't to RIH w/ 309 jts 2 7/8" N-80 tbg.
17:30 hrs, Tag Pkr. w/ 309 jts 2 7/8" tbg. PU UN "J" from Pkr. Space out 2 7/8" tbg. w/ 6', & 2'.Tbg Sub. All subs below one full joint, NU 10k Tree.
1900 hrs, No night crew available, SIW SDON. Prep to Break glass and flow back.
0530 hrs, SDON

From 6:00 To 5:30 23.5 Category/Rmks: RUN TBG : SICP 0 psi, Con't to tally 370 Jts, 2 7/8" 6.5# L80 Eue8rd tubing, Con't to RIH w/ 309 jts 2 7/8" N-80 tbg, Tag Pkr. w/ 309 jts 2 7/8" tbg. PU UN "J" from Pkr. Space out 2 7/8" tbg. w/ 6', & 2'.Tbg Sub. All subs below one full joint, NU 10k Tree, No night crew available, SIW SDON. Prep to Break

Well Name : UNIVERSITY 19-17 1H

Prospect:	Sandridge	AFE #:	PB090711
Sec/Twp/Rge:	19 / /	Operator:	Energizer
API #:	4247535889	Field:	PHANTOM
Work Type:	Completion	County, St.:	WARD, TX
Production Oil:	0 / 0	Gas:	0 / 0
		Water:	0 / 0

Date : **3/17/2013** Activity: POH w /tubing Rig Name: Days : 239

Daily Report Summary : Break glass disk, pressure increased to 4050 psi, flowback 2500-50 psi 18/64" choke, Kill well, release packer, POH with tubing, prep to clean out with CTU, SD till AM.

Daily Report Detail: 0600 hrs, SICP 0 psi, Trucks on location delivering 16.5# mud,
 1000 hrs, Latched on Whitaker Arrow set packer @ 10,167 (311 Jts) 2 7/8" Tbg,
 1300 hrs Pressure test surface lines and Lubricator to 4500 psi, ok, RU SLU, RIH with Slick line
 1400 hrs, RIH with Slick line BHA, .6" rope socket, .9" Swivel, 12' Weight Bar, .6" Knuckle Jt, 7.0' Spang Jars, 1.75" OD 3-stage chisel 1.8', SLBHA 23'
 1430 hrs, Stop at 9540', pressure up to 3500 psi, RIH tag glass disk 10113 SLM, (PU Wt 500#)
 1500 hrs, Break glass disk RIH to 10120', clear, POH with SL, Pressure drop from 3500 psi to 3200 psi, pressure began to increase to 3800 psi, continue increasing to 4050 psi,
 1530, out of well with SL, RD SLU, SICP 4050 psi, start flowback 18/64" choke @ 2500 psi, continue to flowback.
 1547 hrs, 50 psi on 18/64" choke,
 1630 hrs, open well bleed off, pump 100 bbls, 16.5# mud, RD 10k tree, RU release packer POH 4 Std,
 1900 hrs, no night crew, SDSIW, prep to POH LD 2 7/8" tubing in AM.
 0530 hrs, SDON, Prep to POH.

From 6:00 To 5:30 23.5 Category/Rmks: CIRC BTMS : SICP 0 psi, Trucks on location delivering 16.5# mud, Latched on Whitaker Arrow set packer @ 10,167 (311 Jts) 2 7/8" Tbg, Pressure test surface lines and Lubricator to 4500 psi, ok, RU SLU, RIH with Slick line BHA, .6" rope socket, .9" Swivel, 12' Weight Bar, .6" Knuckle Jt, 7.0' Spang Jars, 1.75" OD 3-stage chisel 1.8', SLBHA 23', Stop at 9540', pressure up to 3500 psi, RIH tag glass disk 10113 SLM, (PU Wt 500#), Break glass disk RIH to 10120', clear, POH with SL, Pressure drop from 3500 psi to 3200 psi, pressure began to increase to 3800 psi, continue increasing to 4050 psi, 1530, out of well with SL, RD SLU, SICP 4050 psi, start flowback 18/64" choke @ 2500 psi, continue to flowback, 50 psi on 18/64" choke, open well bleed off, pump 100 bbls, 16.5# mud, RD 10k tree, RU release packer POH 4 Std, no night crew, SDSIW, prep to POH LD 2 7/8" tubing in AM, SDON,

Date : **3/18/2013** Activity: POH w /tubing Rig Name: Days : 240

Daily Report Summary : POH with 2 7/8" workstring/tubing and 7.0" Arrow set Pkr.

Daily Report Detail: 0600 hrs, SICP 0 psi, SICP, 600 psi, SITP 650,
 1000 hrs, Bleed off pressure, start pump 16.5# mud via casing, 2 bpm @ 0 psi, continue pumping with 200 bbls kill well,
 1100 hrs, POH with LD 2 7/8" tubing and packer,
 1900 hrs, out of well with equipment, AER, Prep to RD and release WOU in AM.
 1930 hrs, SD SIWON.

From 6:00 To 6:00 24 Category/Rmks: TOH : SICP 0 psi, SICP, 600 psi, SITP 650, Bleed off pressure, start pump 16.5# mud via casing, 2 bpm @ 0 psi, continue pumping with 200 bbls kill well, POH with LD 2 7/8" tubing and packer, out of well with equipment, AER, Prep to RD and release WOU in AM, SD SIWON. Prep to RD and

Date : **3/19/2013** Activity: C. O. 4-1/2" LATEERAL Rig Name: Days : 241

Daily Report Summary : RDMO WOU, Dress off location, MO tubing and equipment, Prep to RU CTU, RIH with CT and wash down BHA to clean out wellbore.

Daily Report Detail: 0600 hrs, SICP 100 psi, RDMO WOU,
 1030 hrs, dress off location, move out Tubing, Pipe racks, catwalk, RD LD machine, Prep to MIRU CTU, wash down and clean out 4 1/2" lateral.
 1830 hrs, SD secure well overnight.
 0600 hrs, Prep to MIRU CTU.

From 6:00 To 6:00 24 Category/Rmks: RDMO RIG : SICP 100 psi, RDMO WOU, dress off location, move out Tubing, Pipe racks, catwalk, RD LD machine, Prep to MIRU CTU, wash down and clean out 4 1/2" lateral, SD secure well overnight, Prep to MIRU CTU.

Well Name : UNIVERSITY 19-17 1H

Prospect:	Sandridge	AFE #:	PB090711
Sec/Twp/Rge:	19 / /	Operator:	Energen
API #:	4247535889	Field:	PHANTOM
Work Type:	Completion	County , St.:	WARD, TX
Production Oil:	0 / 0	Gas:	0 / 0
		Water:	0 / 0

Date : **3/20/2013** Activity: Clean Out Rig Name: Days : 242

Daily Report Summary : Cleaned out wellbore to 15,555' CTM, Prep to RIH with packer and find casing leaks

Daily Report Detail: 0600 hrs, SICP 800 psi,
0700 hrs, MIRU CTU, bleed off wellhead pressure,
1100 hrs, PU drill out assembly, BHA # 1, 3.75" OD 5 blade Rev-Clutch Mill (Cutrite on Btm)=1.050', 5/6 3.5" Bico Motor= 13.5', NOV Agitator HP 130, 2.875" OD, 4.9', CT disconnect, 2.875"OD, .875" ID= 2.46', Bi-Direct Jars 2.875" OD, 1.0" ID, 4.60', , BPV 2.875" OD1.01" ID=1.21', 2" CT connector (Pull test 15k low/30k high) 2.875"OD, 1.35"ID=.75', BHA#1=28.34'.
1130 hrs, RIH with BHA#1 and 2.0" CT, pumping 2.5 bpm at 4127 psi Tbg/149 psi WH
1330 hrs, at TOL10,223' no tag/no show, Con't RIH washing down,
1430 hrs, PU Wt 47k/SO Wt 22k, continue RIH washing down,
1445 hrs, Tag at 15,186', start drilling not drilling down, plug depth not indicated, on reports, 148' above top perms at 15,332',
1500 hrs, drill thru appears to be a CBP, continue in well tag at tag at 15256', CBP continue drilling out pressure increased from 400 psi to 1800 psi, continue drilling plug.
1600, pressure continues to increase from 1800 psi to 2700 psi, continue drilling off plug,
1800 hrs, make 1000' short trip to remove debris, continue to RIH tag plug at 15256' drilled plug RIH with CT to PBDT at 15555' CTM, circulate clean.
1930 hrs, Start POH with CT and BHA#1 assembly Pumping circulating 3 bpm at 5000 psi Tbg/2200 psi WH, continue POH with CT,
2300 hrs, out of well with BHA#1, Mill (green), LD drill out assembly, SIW secure overnight, Prep to PU expandable packer to RIH and test for casing leaks.
2330 hrs, SDON.

From 6:00 To 15:00 9 hrs Category/Rmks: Clean Out : SICP 800 psi, MIRU CTU, bleed off wellhead pressure, PU drill out assembly, BHA # 1, 3.75" OD 5 blade Rev-Clutch Mill (Cutrite on Btm)=1.050', 5/6 3.5" Bico Motor= 13.5', NOV Agitator HP 130, 2.875" OD, 4.9', CT disconnect, 2.875"OD, .875" ID= 2.46', Bi-Direct Jars 2.875" OD, 1.0" ID, 4.60', , BPV 2.875" OD1.01" ID=1.21', 2" CT connector (Pull test 15k low/30k high) 2.875"OD, 1.35"ID=.75', BHA#1=28.34', RIH with BHA#1 and 2.0" CT, pumping 2.5 bpm at 4127 psi Tbg/149 psi WH, at TOL10,223' no tag/no show, Con't RIH washing down, PU Wt 47k/SO Wt 22k, continue RIH

From 15:00 To 5:30 14.5 Category/Rmks: Clean Out : Tag at 15,186', start drilling not drilling down, plug depth not indicated, on reports, 148' above top perms at 15,332', drill thru appears to be a CBP, continue in well tag at tag at 15256', CBP continue drilling out pressure increased from 400 psi to 1800 psi, continue drilling plug.
1600, pressure continues to increase from 1800 psi to 2700 psi, continue drilling off plug, make 1000' short trip to remove debris, continue to RIH tag plug at 15256' drilled plug RIH with CT to PBDT at 15555' CTM, circulate clean, Start POH with CT and BHA#1 assembly Pumping circulating 3 bpm at 5000 psi Tbg/2200 psi WH, continue POH with CT, out of well with BHA#1, Mill (green), LD drill out assembly, SIW secure overnight, Prep to PU expandable packer to RIH and test for casing leaks, SDON.

Well Name : UNIVERSITY 19-17 1H

Prospect:	Sandridge	AFE #:	PB090711
Sec/Twp/Rge:	19 / /	Operator:	Energ
API #:	4247535889	Field:	PHANTOM
Work Type:	Completion	County, St.:	WARD, TX
Production Oil:	0 / 0	Gas:	0 / 0
		Water:	0 / 0

Date : **3/21/2013** Activity: Clean Out Rig Name: Days : 243

Daily Report Summary : RIH with expandable packer to test casing, tag up at 11,400', POH, Prep to Test casing for

Daily Report Detail: 0600 hrs, SICP 1500 psi,

1600 hrs, CT Personnel on location, expandable packer arrive, RU flowback equipment, RU CTU, Install CT connector (pull test 15k/25k) PU expandable packer, BHA #1, NCS 4.5" 11.6# NCS Inflatable Packer BHA #1, Bull nose 3.86" OD, .32', XO, 2.5" SA pin X 2.375" SA box 3.46" OD, 1.57', NCS Inflatable packer 4.0" OD 1.8', EqValve w/ball Ck 3.25" OD 2.0', Jet body 3.07" OD .30', 2-Centralizer 3.86" OD 6.0', Ball drop seat 3.0" OD, .36', Shear sub, 3.13" OD 1.0', CT Connector 2.5" OD, .65', BHA=16.30',

1800 hrs, PU RIH with CT and BHA#1, to 10223' TOL, No Tag/No Show, Continue in well, PU Wt 22k / SO Wt 14k, tag at 11,412' 3 attempts to get get thru, no success, POH with CT and expandable packer.

0200 hrs, Out of well with CT/Pkr BHA, SD/SIW, Prep to Chg-out packer centralizers to 3.67" OD, ETA on location 0900 hrs,

0300 hrs, wait fo Packer equipment,

0500 hrs, PU BHA #2, RIH with, 2.875" 4 hole wash tool= .67', CT disconnect, 2.875"OD, .875" ID= 2.12', BPV 2.875" OD1.01" ID=1.21', 2" CT connector (Pull test 15k low/30k high) 2.875"OD, 1.35"ID=.87', BHA=4.87'

From 6:00 To 3:00 21 Category/Rmks: Clean Out : SICP 1500 psi, CT Personnel on location, expandable packer arrive, RU flowback equipment, RU CTU, Install CT connector (pull test 15k/25k) PU expandable packer, BHA #1, NCS 4.5" 11.6# NCS Inflatable Packer BHA #1, Bull nose 3.86" OD, .32', XO, 2.5" SA pin X 2.375" SA box 3.46" OD, 1.57', NCS Inflatable packer 4.0" OD 1.8', EqValve w/ball Ck 3.25" OD 2.0', Jet body 3.07" OD .30', 2-Centralizer 3.86" OD 6.0', Ball drop seat 3.0" OD, .36', Shear sub, 3.13" OD 1.0', CT Connector 2.5" OD, .65', BHA=16.30', 1800 hrs, PU RIH with CT and BHA#1, to 10223' TOL, No Tag/No Show, Continue in well, PU Wt 22k / SO Wt 14k, tag at 11,412' 3 attempts to get get thru, no success, POH with CT and expandable packer. Out of well with CT/Pkr BHA, SD/SIW, Prep to Chg-out packer centralizers to 3.67" OD, ETA

From 3:00 To 6:00 3 hrs Category/Rmks: Clean Out : PU BHA #2, RIH with, 2.875" 4 hole wash tool= .67', CT disconnect, 2.875"OD, .875" ID= 2.12', BPV 2.875" OD1.01" ID=1.21', 2" CT connector (Pull test 15k low/30k high) 2.875"OD, 1.35"ID=.87', BHA=4.87' Continue washing down with CT.

Date : **3/22/2013** Activity: RIH . w/ tbg. Rig Name: Days : 244

Daily Report Summary : RIH to test Casing with packer unable to get below 11700', RIH with dummy CBP to

15100',Prep to set CBP at 15100' and test

Daily Report Detail: 0600 hrs, SICP 2500 psi,

0700 hrs, RU CT and wash tool, RIH to tag @15,555' circulate clean, running 10 bbl gel sweeps

1330 hrs, on location with 3.67" OD packer centralizers,

1400 hrs, out of well with wash tool equipment, LD tools, PU CT NCS inflatable packer with 3.67" OD centralizers.

1503 hrs, RIH with NCS Pkr, Tag at 11,543' work pipe thru, 11587', 11677' 11768' (Dog leg @ 11480'-11700',

1630 hrs, POH with Packer, Prep to make dummy CBP run.

1800 hrs, RIH with dummy run to 15,100' good run with dummy run

2200 hrs, POH to PU CBP

0400 hrs, PU 4.5" Jayco CBP RIH to set at 15100'

0600 hrs, RIH with CBP

From 6:00 To 6:00 24 Category/Rmks: TEST CASING : SICP 2500 psi, RU CT and wash tool, RIH to tag @15,555' circulate clean, running 10 bbl gel sweeps, on location with 3.67" OD packer centralizers, out of well with wash tool equipment, LD tools, PU CT NCS inflatable packer with 3.67" OD centralizers, RIH with NCS Pkr, Tag at 11,543' work pipe thru, 11587', 11677' 11768' (Dog leg @ 11480'-11700', POH with Packer, Prep to make dummy CBP run, RIH with dummy run to 15,100' good run with dummy run, POH to PU CBP, PU 4.5" Jayco CBP RIH

Well Name : UNIVERSITY 19-17 1H

Prospect:	Sandridge	AFE #:	PB090711
Sec/Twp/Rge:	19 / /	Operator:	Energen
API #:	4247535889	Field:	PHANTOM
Work Type:	Completion	County, St.:	WARD, TX
Production Oil:	0 / 0	Gas:	0 / 0
		Water:	0 / 0

Date : **3/23/2013** Activity: C O LATERAL Rig Name: Days : 245

Daily Report Summary : Mill out CBP unblock wellbore, make clean up trip, Re-Run CBP

Daily Report Detail: 0600 hrs, RU 4.5" 11.6# Jaycar Mustang Series composite bridge plug, 3.5" OD, 1.69', Set Slev 3.48" OD 1.42', Bkr10 Setting tool 2.746" OD 5.32', Ball Drop Seat 3.131" OD, 1.57', XO, 2 3/8" 8rd pin X Box 2.875"OD, 1.95"ID .55', CT disconnect, 2.875" OD .875" ID= 2.12', CT connector, 2.875"OD, 1.35"ID=.87', BHA =13.54',
0700 hrs, RIH w/plug 2bpm/5400/3500. Tight spots @ 11,500', 12,600' , 13,303'.
8:30 hrs, Plug stuck @ 13,303', work to release plug, no success, Drop 5/8" ball. 2 bpm for 48.5 bbls @ 7460 psi. PU 10 '.set plug.
0900 hrs, Tag plug w/2k. Test plug -2500/+5000 psi, POH with CT.
12:30 hrs, POH. LD setting tools.
0130 hrs, attempt to Test casing. Pressured to 5400 psi. Formation taking fluid.
2bpm@5800psi.

13:45, Conduct injection test.

Bpm.	Pressure.	Bbl.
1	5000-5600	5
2.	5600-5800.	20
3.	5800-5950.	10
3.5,	5950-6050.	10
4.	6050-6200.	10

Total. 55 bbls ISIP = 5950 .91 FG

14:30, RU 10k plug catcher. & repair CTU.

16:45 Pu coil tool & TIH w/3-3/4" mill.

18:55 Tagged plug @ 13,303'. Began milling.

18:55 Start milling bridge plug @ 13,292'

19:40 Milled thru

20:40 tag bottom @ 15,555'

0500hrs, PU to start cleanout cycles up/down 13,550' to 13,050', 3 cycles 3 BPM, 15 bbl sweeps every 55 bbl with XAN Sweep L & pipe on pipe. No tags or drags; smooth & clear. Next RIH to 15,150'. Stop paint pipe. POOH while still pumping same.

0600 CT at surface. ND mill. NU plug, RIH attempt to set plug @ 15,150'

From 6:00 To 8:30 2.5 Category/Rmks: Clean Out : RU 4.5" 11.6# Jaycar Mustang Series composite bridge plug, 3.5" OD, 1.69', Set Slev 3.48" OD 1.42', Bkr10 Setting tool 2.746" OD 5.32', Ball Drop Seat 3.131" OD, 1.57', XO, 2 3/8" 8rd pin X Box 2.875"OD, 1.95"ID .55', CT disconnect, 2.875" OD .875" ID= 2.12', CT connector, 2.875"OD, 1.35"ID=.87', BHA =13.54',

From 8:30 To 13:30 5 hrs Category/Rmks: Clean Out : Plug stuck @ 13,303', work to release plug, no success, Drop 5/8" ball. 2 bpm for 48.5 bbls @ 7460 psi. PU 10 '.set plug. Tag plug w/2k. Test plug -2500/+5000 psi, POH with CT, POH. LD setting tools, attempt to Test casing. Pressured to 5400 psi. Formation taking fluid. 2bpm @ 5800psi

From 13:30 To 5:00 15.5 Category/Rmks: Clean Out : Conduct injection test.
Bpm. Pressure. Bbl.
1 5000-5600. 5
2. 5600-5800. 20
3. 5800-5950. 10
3.5, 5950-6050. 10
4. 6050-6200. 10
Total. 55 bbls ISIP = 5950 .91 FG
14:30, RU 10k plug catcher. & repair CTU.
16:45 Pu coil tool & TIH w/3-3/4" mill.
18:55 Tagged plug @ 13,303'. Began milling.
18:55 Start milling bridge plug @ 13,292'
19:40 Milled thru
20:40 tag bottom @ 15,555'

From 5:00 To 6:00 1 hrs Category/Rmks: Clean Out : PU to start cleanout cycles up/down 13,550' to 13,050', 3 cycles 3 BPM, 15 bbl sweeps every 55 bbl with XAN Sweep L & pipe on pipe. No tags or drags; smooth & clear. Next RIH to 15,150'. Stop paint pipe. POOH while still pumping same, CT at surface. ND mill. NU plug, RIH

Well Name : UNIVERSITY 19-17 1H

Prospect:	Sandridge	AFE #:	PB090711
Sec/Twp/Rge:	19 / /	Operator:	Energen
API #:	4247535889	Field:	PHANTOM
Work Type:	Completion	County , St.:	WARD, TX
Production Oil:	0 / 0	Gas:	0 / 0
		Water:	0 / 0

Date : **3/24/2013** Activity: C O LATERAL Rig Name: Days : 246

Daily Report Summary : RDLD Mill assembly, Wait for wind to die down, crane unable to operate, Prep to RIH with CBP and set to test.

Daily Report Detail: 0600 hrs, PU RIH with 4.5" 11.6# Jaycar Mustang Series Frac Plug, 3.5" OD, 1.69', Set Slev 3.48" OD 1.42', Bkr10 Setting tool 2.746" OD 5.32', Ball Drop Seat 3.131" OD, 1.57', XO, 2 3/8" 8rd pin X Box 2.875"OD, 1.95"ID .55', CT disconnect, 2.875" OD .875" ID= 2.12', CT connector, 2.875"OD, 1.35"ID=.87', BHA =13.54',
 0730 hrs, RIH and tag at 10,222', make four attempts to pass beyond that point
 0800 hrs, POH to look at CBP and check for any damage.
 1200 hrs, out of well with CT, order out tapered Mill
 1500 hrs, PU Tapered mill-out BHA #2, 3.75"-2.18" OD, 1.50" ID, String Mill=1.65', 5/6 3.5" BICO Motor= 11.42', NOV Agitator 2.875" OD=4.91', AV Sub 2.875" OD, 1.0" ID, .56', CT disconnect, 2.875"OD, .875" ID= 2.12', Bi-Direct Jars 2.875"OD, 1.0"=4.6', BPV 2.875" OD 1.01" ID=1.21', 2" CT connector (Pull test 15k low/30k high) 2.875"OD, 1.35"ID=.87', BHA=29.50'
 1600 hrs, RIH with 2.0" CT and BHA#2,
 1900 hrs, Tag at 10,217',10,231', 10,223' and 10,234' tight spots,
 2002 hrs, continue to work pipe thru this area until it was clear, RIH to 10,300', pumping 10 bbl gel sweeps.
 2030 hrs, POH with tapered mill assembly, windy weather SD crane Ops. SDSIW.
 0600 hrs, SDSIW thru the night, Prep to POH with Mill assembly. (SD windy 40 MPH wind Crane operations)

From 6:00 To 6:00 24 Category/Rmks: Clean Out : 0600 hrs, PU RIH with 4.5" 11.6# Jaycar Mustang Series Frac Plug, 3.5" OD, 1.69', Set Slev 3.48" OD 1.42', Bkr10 Setting tool 2.746" OD 5.32', Ball Drop Seat 3.131" OD, 1.57', XO, 2 3/8" 8rd pin X Box 2.875"OD, 1.95"ID .55', CT disconnect, 2.875" OD .875" ID= 2.12', CT connector, 2.875"OD, 1.35"ID=.87', BHA =13.54',
 0730 hrs, RIH and tag at 10,222', make four attempts to pass beyond that point
 0800 hrs, POH to look at CBP and cheak for any damage.
 1200 hrs, out of well with CT, order out Tapered Mill
 1500 hrs, PU Tapered mill-out BHA #2, 3.75"-2.18" OD, 1.50" ID, String Mill=1.65', 5/6 3.5" BICO Motor= 11.42', NOV Agitator 2.875" OD=4.91', AV Sub 2.875" OD, 1.0" ID, .56', CT disconnect, 2.875"OD, .875" ID= 2.12', Bi-Direct Jars 2.875"OD, 1.0"=4.6', BPV 2.875" OD 1.01" ID=1.21', 2" CT connector (Pull test 15k low/30k high) 2.875"OD, 1.35"ID=.87', BHA=29.50'
 1600 hrs, RIH with 2.0" CT and BHA#2,
 1900 hrs, Tag at 10,217',10,231', 10,223' and 10,234' tight spots,
 2002 hrs, continue to work pipe thru this area until it was clear, RIH to 10,300'
 2030 hrs, POH with Tapered mill assembly, windy weather SD crane Ops. SDSIW.

Well Name : UNIVERSITY 19-17 1H

Prospect:	Sandridge	AFE #:	PB090711
Sec/Twp/Rge:	19 / /	Operator:	Energen
API #:	4247535889	Field:	PHANTOM
Work Type:	Completion	County, St.:	WARD, TX
Production Oil:	0 / 0	Gas:	0 / 0
		Water:	0 / 0
		Supervisor:	
		Phone:	

Date : **3/25/2013** Activity: C O LATERAL Rig Name: Days : 247

Daily Report Summary : RIH set CBP 11,855', test casing to 8000 psi, RIH drillout CBP, continue cleaning up lateral.

Daily Report Detail: 0600 hrs, PU RIH with 4.5" 11.6# Jaycar Mustang Series Frac Plug, 3.5" OD, 1.69', Set Slev 3.48" OD 1.42', Bkr10 Setting tool 2.746" OD 5.32', Ball Drop Seat 3.131" OD, 1.57', XO, 2 3/8" 8rd pin X Box 2.875"OD, 1.95"ID .55', CT disconnect, 2.875" OD .875" ID= 2.12', CT connector, 2.875"OD, 1.35"ID=.87', BHA#1 =13.54',

0800 hrs, RIH and set CBP at 11,855', will not pass this point, drop 5/8" ball, pressure to 7500 psi, retag plug with 2k down, +/- test to 3500/6000 psi pick up off plug, pressure test to 8000 psi, holding,

1100 hrs, POH with CT.

1700 hrs, out of well with CT, order out Mill with wash nozzles.

1500 hrs, PU flat-Btm mill with wash nozzles-out BHA #2, 3.75"-2.18" OD, 1.50" ID, 3.75" OD Mill=1.65', 5/6 3.5" BICO Motor= 11.42', NOV Agitator 2.875" OD=4.91', AV Sub 2.875" OD, 1.0" ID, .56', CT disconnect, 2.875"OD, .875" ID= 2.12', Bi-Direct Jars 2.875"OD, 1.0"=4.6', BPV 2.875" OD 1.01" ID=1.21', 2" CT connector (Pull test 15k low/30k high) 2.875"OD, 1.35"ID=.87', BHA=29.50'

1730 hrs, RIH with 2.0" CT and BHA#2,, Tag CBP at 11855' CTM, (Note this is at the most severe dogleg 14,18,&14 deg.

2230 hrs, Drilled out passed thru to 11,894', Continue to TD @ 15,565', pump 15 bbl sweeps every 55 bbls @ 2.75 bpm, POH 35 fpm, pumping and circulating for clean up, PU Wt 25k.

0600 hrs, POH with CT and BHA#2, passing by 13,360' WHP increased from 3800 psi to 4600 psi, (hole may be in this area) due to pressure increase, placed 5 gal polymer beads in dogleg at

From 6:00 To 15:00 9 hrs Category/Rmks: Clean Out : PU RIH with 4.5" 11.6# Jaycar Mustang Series Frac Plug, 3.5" OD, 1.69', Set Slev 3.48" OD 1.42', Bkr10 Setting tool 2.746" OD 5.32', Ball Drop Seat 3.131" OD, 1.57', XO, 2 3/8" 8rd pin X Box 2.875"OD, 1.95"ID .55', CT disconnect, 2.875" OD .875" ID= 2.12', CT connector, 2.875"OD, 1.35"ID=.87', BHA#1 =13.54', RIH and set CBP at 11,855', will not pass this point, drop 5/8" ball, pressure to 7500 psi, retag plug with 2k down, +/- test to 3500/6000 psi pick up off plug, pressure test to 8000 psi, holding, POH with CT. out of well with CT, order out Mill with wash nozzles.

From 15:00 To 6:00 15 Category/Rmks: Clean Out : PU flat-Btm mill with wash nozzles-out BHA #2, 3.75"-2.18" OD, 1.50" ID, 3.75" OD Mill=1.65', 5/6 3.5" BICO Motor= 11.42', NOV Agitator 2.875" OD=4.91', AV Sub 2.875" OD, 1.0" ID, .56', CT disconnect, 2.875"OD, .875" ID= 2.12', Bi-Direct Jars 2.875"OD, 1.0"=4.6', BPV 2.875" OD 1.01" ID=1.21', 2" CT connector (Pull test 15k low/30k high) 2.875"OD, 1.35"ID=.87', BHA=29.50', RIH with 2.0" CT and BHA#2,, Tag CBP at 11855' CTM, (Note this is at the most severe dogleg 14,18,&14 deg, Drilled out passed thru to 11,894', Continue to TD @ 15,565', pump 15 bbl sweeps every 55 bbls @ 2.75 bpm, POH 35 fpm, pumping and circulating for clean up, PU Wt 25k, POH with CT and BHA#2, passing by 11300' WHP increased from 3800 psi to 4600 psi, (hole may be in this area) due to pressure increase, placed 5 gal polymer beads in dogleg at 11,855', continue POH

Well Name : UNIVERSITY 19-17 1H

Prospect:	Sandridge	AFE #:	PB090711
Sec/Twp/Rge:	19 / /	Operator:	Energ
API #:	4247535889	Field:	PHANTOM
Work Type:	Completion	County , St.:	WARD, TX
Production Oil:	0 / 0	Gas:	0 / 0
		Water:	0 / 0

Date : **3/26/2013** Activity: Clean Out Rig Name: Days : 248

Daily Report Summary : RIH with CBP to test casing. CBP stuck @ 12173'. RIH and Drill out CBP clean out well bore

Daily Report Detail: 0600 hrs, PU RIH with 4.5" 11.6# Jaycar Mustang Series Frac Plug, 3.5" OD, 1.69', Set Slev 3.48" OD 1.42', Bkr10 Setting tool 2.746" OD 5.32', Ball Drop Seat 3.131" OD, 1.57', XO, 2 3/8" 8rd pin X Box 2.875"OD, 1.95"ID .55', CT disconnect, 2.875" OD .875" ID= 2.12', CT connector, 2.875"OD, 1.35"ID=.87', BHA =13.54',
0900 hrs, RIH and tag at several places, at 12,223' made 3 attempts to pass beyond 12,222 point PU pull heavy @ 12,173', plug stuck will not move.
1000 hrs, Drop 5/8" steel ball, set plug @ 12,173', with 52 bbls gone pressue increased to 7600 psi. PU 15' test plug to 6500 psi, good test, retag plug paint tubing orange, POH
1200 hrs, POH with drill out assembly, at surface LD setting tools test casing to 8000 psi. good test
1500 hrs, PU 4 blade mill 3.75", 5/6 3.5" BICO Motor= 11.42', NOV Agitator 2.875" OD=4.91', AV Sub 2.875" OD, 1.0" ID, .56', CT disconnect, 2.875"OD, .875" ID= 2.12', Bi-Direct Jars 2.875"OD, 1.0"=4.6', BPV 2.875" OD 1.01" ID=1.21', 2" CT connector (Pull test 15k low/30k high) 2.875"OD, 1.35"ID=.87', BHA=26.79'
1600 hrs, RIH with 2.0" CT and BHA.,
1800 hrs, Tag plug at 12,167', start drill out
1900 hrs, plug drilled up, work through several tight spots while RIH passed thru ok to 15313'.
2200 POH continue pumping 2.5 bpm to 10220", stop pumping POH with CT..
0600 hrs, continue POH with CT

From 6:00 To 6:00 24 Category/Rmks: Clean Out : PU RIH with 4.5" 11.6# Jaycar Mustang Series Frac Plug, 3.5" OD, 1.69', Set Slev 3.48" OD 1.42', Bkr10 Setting tool 2.746" OD 5.32', Ball Drop Seat 3.131" OD, 1.57', XO, 2 3/8" 8rd pin X Box 2.875"OD, 1.95"ID .55', CT disconnect, 2.875" OD .875" ID= 2.12', CT connector, 2.875"OD, 1.35"ID=.87', BHA =13.54', RIH and tag at several places, at 12,223' made 3 attempts to pass beyond 12,222 point PU pull heavy @ 12,173', plug stuck will not move.
Drop 5/8" steel ball, set plug @ 12,173', with 52 bbls gone pressue increased to 7600 psi. PU 15' test plug to 6500 psi, good test, retag plug paint tubing orange, POH with drill out assembly, at surface LD setting tools test casing to 8000 psi. good test, PU 4 blade mill 3.75", 5/6 3.5" BICO Motor= 11.42', NOV Agitator 2.875" OD=4.91', AV Sub 2.875" OD, 1.0" ID, .56', CT disconnect, 2.875"OD, .875" ID= 2.12', Bi-Direct Jars 2.875"OD, 1.0"=4.6', BPV 2.875" OD 1.01" ID=1.21', 2" CT connector (Pull test 15k low/30k high) 2.875"OD, 1.35"ID=.87', BHA=26.79'
1600 hrs, RIH with 2.0" CT and BHA., Tag plug at 12,167', start drill out, plug drilled up, work through several tight spots while RIH passed thru ok to 15313', POH continue pumping 2.5 bpm to 10220", stop pumping POH with

Date : **3/27/2013** Activity: C O LATERAL Rig Name: Days : 249

Daily Report Summary : RDMO CTU, Prep to RU frac Equipment

Daily Report Detail: hrs, out of well with CT, LD drill out assembly, RDMO CTU, Continue MIRU Frac equipment

From 6:00 To 6:00 24 Category/Rmks: PREP TO FRAC : Out of well with CT, LD drill out assembly(Mill Green), RDMO CTU, Continue MIRU Frac equipment

Date : **3/28/2013** Activity: MIRU Frac Equip Rig Name: Days : 250

Daily Report Summary : Prep Frac Operations

Daily Report Detail: 6:00 - Prep for Frac. MIRU field office, fill frac pit, set frac tanks.

6:00 - Cont. RU & prep for Frac.

From 6:00 To 6:00 24 Category/Rmks: MIRU : Prep for Frac Operations

Well Name : UNIVERSITY 19-17 1H

Prospect:	Sandridge	AFE #:	PB090711
Sec/Twp/Rge:	19 / /	Operator:	Energen
API #:	4247535889	Field:	PHANTOM
Work Type:	Completion	County , St.:	WARD, TX
Production Oil:	0 / 0	Gas:	0 / 0
		Water:	0 / 0

Date : **3/29/2013** Activity: MIRU Rig Name: Days : 251

Daily Report Summary : Injection test, RU frac stack, Prep for Frac Operations

Daily Report Detail: 0600 hrs, SICP 3800 psi, Prep to MIRU to Frac
1000 hrs, Start injection test, 3 bpm, 3800-4500, 10 bbls, 4 bpm, 4500-5450, 20 bbls, 5450-5900 5 bpm, 20 bbls, 5900-6150 6 bpm, 20 bbls, Total bbls pumped 70 bbls, ISIP 5450 psi, 5 min - 4875 psi
1230 hrs, RU Frac Stack
1300 hrs, Water transfer, haul water, Prep to Circ chemical in Frac pit

From 6:00 To 12:00 6 hrs Category/Rmks: MIRU : SICP 3800 psi, Prep to MIRU to Frac, Start injection test, 3 bpm, 3800-4500, 10 bbls, 4 bpm, 4500-5450, 20 bbls, 5450-5900 5 bpm, 20 bbls, 5900-6150 6 bpm, 20 bbls, Total bbls pumped 70 bbls, ISIP 5450 psi, 5 min

From 12:00 To 6:00 18 Category/Rmks: MIRU : RU Frac Stack, Water transfer, haul water, Prep to Circ chemical in Frac pit, SIWON

Date : **3/30/2013** Activity: MIRU Frac Equip Rig Name: Days : 252

Daily Report Summary : MI Frac Tanks and fill Frac Pits, RU flowback Equipment and SLB Frac Equipment

Daily Report Detail: 0600 hrs, Prep to Frac, MI Frac Tanks and Frac Pit, RU flowback Equipment and SLB Frac Equipment, Prep for Fiber-Net treatment. SIW SDON
0600 hrs, SIWON

From 6:00 To 6:00 24 Category/Rmks: MIRU : 0600 hrs, Prep to Frac, MI Frac Tanks and Frac Pit, RU flowback Equipment and SLB Frac Equipment, Prep for Fiber-Net treatment. SIW SDON

Date : **3/31/2013** Activity: MI & RU Equipment Rig Name: Days : 253

Daily Report Summary : MIRU, SLB Frac equipment, Prep to pump Fibernet treatment

Daily Report Detail: 0600 hrs Continue to fill pits, Prep for Frac operations
1100 hrs, Blender and pumps on location to run a single line to Frac stack/wellhead to pump Fibernet treatment,
1400 hrs, RU 3.0" flowback equipment, with W/2 dual manifolds, and blowdown lines, SD over Easter Sunday.
1900 hrs, Prep for fibernet treatment
0600 hrs, SDON Prep to Frac

From 6:00 To 6:00 24 Category/Rmks: MIRU : Continue to fill pits, Prep for Frac operations, Blender and pumps on location to run a single line to Frac stack/wellhead to pump Fibernet treatment, RU 3.0" flowback equipment, with W/2 dual manifolds, and blowdown lines, SD over Easter Sunday, Prep for fibernet treatment, SDON

Date : **4/1/2013** Activity: Flow Test Rig Name: Days : 254

Daily Report Summary : Prep to RU and pump FiberNet and Prep to Frac

Daily Report Detail: 0600, Prep to Frac, RU flowback Equip, Prep to pump FiberNet treatment, MIRU HES Frac Equip, transfer water.
0600 hrs, Well SION, Prep to Frac

From 6:00 To 6:00 24 Category/Rmks: MIRU : Prep to Frac, RU flowback Equip, Prep to pump FiberNet treatment, MIRU HES Frac Equip, transfer water.
0600 hrs, Well SION, Prep to Frac

Well Name : UNIVERSITY 19-17 1H

Prospect:	Sandridge	AFE #:	PB090711
Sec/Twp/Rge:	19 / /	Operator:	Energen
API #:	4247535889	Field:	PHANTOM
Work Type:	Completion	County , St.:	WARD, TX
Production Oil:	0 / 0	Gas:	0 / 0
		Water:	0 / 0

Date : **4/2/2013** Activity: MIRU Frac Equip Rig Name: Days : 255

Daily Report Summary : SICP 3945 psi, Pump SLB Fibernet, Screen off in casing, RU SLB CTU to clean out.

Daily Report Detail: 0600 hrs, Safety Meeting, RU SLB, Prep for Fibernet application, Pressure test to 9000 psi,

good test,

0930 hrs, Open well SICP 3945 psi, Start pump initial injection rate 12 bpm at 6642 psi,

Continue to pump fibernet as follows,

21 bbls, WF120 including 150 ppt (45# Fiber with 2602# of 100 mesh sand), 100 bbls WF110

spacer, 21 bbls, WF120 including 150 ppt (45# Fiber with 2923# of 100 mesh sand, displace

with 470 bbls WF110. AR=10.6 bpm, AP=6352 psi, MR=12.3 bpm, MP=7932 psi, reduced rate

to 2 bpm for the last 25 bbls,

1115 hrs, SD, ISIP 7538 psi, 5 min, 5355 psi, 30 Min 4900 psi, 60 Min 4841 psi, FG 1.09 psi/ft,

1217 hrs, RU to pressure test, 1.3 bpm pressure continued to increase to 7932 psi in +/- 3 Min (appears to be screened off),

1300 hrs, RD SLB Fibernet equipment, Prep to MIRU SLB CTU

1900 hrs, PU SLB CT BHA,, 3.75" 6 blade Rev-clutch mill 3.75" OD 1.17', 5/6 3.5" BICO Motor=

13.53', CTT Agitator 2.875" OD=5.85', CT disconnect, 2.875"OD, .875" ID= .82', Bi-Direct Jars

2.875"OD, 1.0"=6.26', DFBPV 2.875" OD 1.01" ID=1.73', 2.0" CT connector (Pull test 15k low/30k

high) 2.875"OD, 1.35"ID=.55', BHA=29.91' (Max OD 3.75", Min ID .82" ID)

Wind gusts decreased, continue to with CTU operation., RIH to 15,550', Circulate clean, POH to TOL @ 10,689'

From 6:00 To 12:30 6.5 Category/Rmks: Clean Out : Safety Meeting, RU SLB, Prep for Fibernet application, Pressure test to 9000 psi, good test, Open well SICP 3945 psi, Start pump initial injection rate 12 bpm at 6642 psi, Continue to pump fibernet as follows,

21 bbls, WF120 including 150 ppt (45# Fiber with 2602# of 100 mesh sand),

100 bbls WF110 spacer, 21 bbls, WF120 including 150 ppt (45# Fiber with

2923# of 100 mesh sand, displace with 470 bbls WF110. AR=10.6 bpm,

AP=6352 psi, MR=12.3 bpm, MP=7932 psi, reduced rate to 2 bpm for the

From 12:30 To 6:00 17.5 Category/Rmks: TEST CASING : RU to pressure test, 1.3 bpm pressure continued to increase to 7932 psi in +/- 3 Min (appears to be screened off),

RD SLB Fibernet equipment, Prep to MIRU SLB CTU, PU SLB CT BHA,,

3.75" 6 blade Rev-clutch mill 3.75" OD 1.17', 5/6 3.5" BICO Motor= 13.53',

CTT Agitator 2.875" OD=5.85', CT disconnect, 2.875"OD, .875" ID= .82', Bi-

Direct Jars 2.875"OD, 1.0"=6.26', DFBPV 2.875" OD 1.01" ID=1.73', 2.0" CT

connector (Pull test 15k low/30k high) 2.875"OD, 1.35"ID=.55', BHA=29.91'

(Max OD 3.75", Min ID .82" ID)

Wind gusts decreased, continue to with CTU operation., RIH to 15,550',

Well Name : UNIVERSITY 19-17 1H

Prospect:	Sandridge	AFE #:	PB090711
Sec/Twp/Rge:	19 / /	Operator:	Energen
API #:	4247535889	Field:	PHANTOM
Work Type:	Completion	County , St.:	WARD, TX
Production Oil:	0 / 0	Gas:	0 / 0
		Water:	0 / 0

Date : **4/3/2013** Activity: Acidize & Frac Rig Name: Days : 256

Daily Report Summary : Perforate stage 2. Frac stage 2 with 35,641 # 100 Mesh and 322,221 # 30/50 sand, PU clean-out BHA clean out liner, POH with CT, Prep to TCP stage 3 Perfs

Daily Report Detail: 0600 hrs, POH WO Pump to 15,330', LD Mill and BHA, PU Gun assembly, PU TCP Guns as follows, CT CTC 1 3/4" MMT, 2.875" OD x 87', BPV, 2.875" x 1.21', CT Release 2.875" OD x 2.12', XO 2.875" x 0.55', BD Firing Head (FH), 9-3.13" OD x 2.2', 6- 2.65" OD X 1' Time Delay (FH) Guns loaded 6/SPF with Titan HMX, 18 gram, Chgs (.41" Entry, TPP 36.2"), BHA #1 Total Length = 27.75'.
 0130 hrs, Load .625" OD ball, pressure to 6000 psi, open valve launch ball, Pump down 2 bpm at 4890 psi CT/3500 psi WH, reduce rate to 1.5 bpm at 4605 psi CT/3500 psi WH, seat ball at 43 bbls pressure increased to 6400 psi perforate 15232', 15171', 15110', 15049', 14,988', 14927', 6spf., PU to 14,896' Paint pipe to POH, for next stage
 1645 hrs, Pressure tst to 9000 psi, open well SICP 4518 psi,
 1730 hrs, BD 10.5 bpm at 5817 psi, spot 15% HCL/acid 14.5 bpm at 7100 psi, displace HCL/acid into perforations, SD ISIP 5445 psi, FG .92 psi/ft, 15 Min SICP 4805 psi.
 1800 hrs, Frac stage 2 as follows: spearhead 2500 gal of 15% HCL/acid and 35,641 lbs 100 Mesh sand with WF 120 322,221 lbs of Super DC 30/50 sand in YF120 FlexD fluid, all sand put away, flush with 50 bbl YF120 FlexD, 10 bbl diverter with 45 lbs Fiber-Net, displace with 457 bbls WF120 Lgel, 71 bpm at 7145 psi, stage diverter into the last 65 bbls with 20-6 bpm with no pressure increase indicated, MP 7653 psi, MR 71.4 bpm, AP 7029 psi, AR 61 bpm, flush with 50 bbls of X-link fluid, SD ISIP 5445 psi, 5 Min 5025 psi, 10 Min 4892 psi, 15 Min 4805 psi. FG .914 psi/ft.
 2000 hrs, Pump 10 bbls of diverter with 45# Fiber-Net and 20 bbls of spacer fluid, Pump 10 bbls of diverter with 45# Fiber-Net and displace with 457 bbls of WF120 Lgel, 1st diverter stage on perforations pressure increased to 7071 psi, 2nd diverter stage on perforations pressure increased to 7930 psi, with 53 bbls in liner(3919'). SD with pressure ending at 6960 psi
 2200 hrs, RD release Frac crew for evening (12 hrs crew only), RU CTU PU SLB CT BHA#2, 3.75" 6 blade Rev-clutch mill 3.75" OD 1.17', 5/6 3.5" BICO Motor= 13.53', CTT Agitator 2.875" OD=5.85', CT disconnect, 2.875"OD, .875" ID= .82', Bi-Direct Jars 2.875"OD, 1.0"=6.26', DFBPV 2.875" OD 1.01" ID=1.73', 2.0" CT connector (Pull test 15k low/30k high) 2.875"OD, 1.35"ID=.55', BHA=29.91' (Max OD 3.75", Min ID .82" ID), RIH to clean-out liner.
 0050 hrs, TOL at 10,900', increased rate to 2.5 bpm at 6700 psi, holding 5000 psi back pressure,
 0130 hrs, Tag diverter at 13,007' washed down to 13,366', pump 10 bbl sweeps , tagged at 14,600' washed down to 14,900', Circ 15 Min start out of well.

From 6:00 To 17:00 11 Category/Rmks: PERF : POH WO Pump to 15,330', LD Mill and BHA, PU Gun assembly, PU TCP Guns as follows, CT CTC 1 3/4" MMT, 2.875" OD x 87', BPV, 2.875" x 1.21', CT Release 2.875" OD x 2.12', XO 2.875" x 0.55', BD Firing Head (FH), 9-3.13" OD x 2.2', 6- 2.65" OD X 1' Time Delay (FH) Guns loaded 6/SPF with Titan HMX, 18 gram, Chgs (.41" Entry, TPP 36.2"), BHA #1 Total Length = 27.75'.
 0130 hrs, Load .625" OD ball, pressure to 6000 psi, open valve launch ball, Pump down 2 bpm at 4890 psi CT/3500 psi WH, reduce rate to 1.5 bpm at 4605 psi CT/3500 psi WH, seat ball at 43 bbls pressure increased to 6400 psi perforate 15232', 15171', 15110', 15049', 14,988', 14927', 6spf., PU to

Well Name : UNIVERSITY 19-17 1H

Prospect:	Sandridge	AFE #:	PB090711
Sec/Twp/Rge:	19 / /	Operator:	Energen
API #:	4247535889	Field:	PHANTOM
Work Type:	Completion	County , St.:	WARD, TX
Production Oil:	0 / 0	Gas:	0 / 0
		Water:	0 / 0

From 17:00 To 5 hrs 0500 hrs POH with CT and BHA #2 Category/Rmks: Frac : Pressure tst to 9000 psi, open well
SICP 4518 psi, 0600 hrs, POH with CT, Prep to PU TCP guns. 1730 hrs, BD 10.5 bpm at 5817 psi, spot 15% HCL/acid
14.5 bpm at 7100

psi, displace HCL/acid into perforations, SD ISIP 5445 psi, FG .92 psi/ft, 15 Min SICP 4805 psi.

1800 hrs, Frac Stage 2 as follows, spearhead 2500 gal of 15% HCL/acid and 35,641 lbs 100 Mesh sand with WF 120 322,221 lbs of Super DC 30/50 sand in YF120 FlexD fluid, all sand put away, flush with 50 bbl YF120 FlexD, 10 bbl diverter with 45 lbs Fiber-Net, displace with 457 bbls WF120 Lgel, 71 bpm at 7145 psi, stage diverter into the last 65 bbls with 20-6 bpm with no pressure increase indicated, MP 7653 psi, MR 71.4 bpm, AP 7029 psi, AR 61 bpm, flush with 50 bbls of X-link fluid, SD ISIP 5445 psi, 5 Min 5025 psi, 10 Min 4892 psi, 15 Min 4805 psi. FG .914 psi/ft.

2000 hrs, Pump 10 bbls of diverter with 45# Fiber-Net and 20 bbls of spacer fluid, Pump 10 bbls of diverter with 45# Fiber-Net and displace with 457 bbls of WF120 Lgel, 1st diverter stage on perforations pressure increased to 7071 psi, 2nd diverter stage on perforations pressure increased to 7930 psi, with 53 bbls in liner(3919'). SD with pressure ending at 6960 psi

From 22:00 To 6:00 8 hrs Category/Rmks: Clean Out : RD release Frac crew for evening (12 Hr Crew only). RU CTU PU
SLB CT BHA#2, 3.75" 6 blade Rev-clutch mill 3.75" OD 1.17', 5/6 3.5"
BICO Motor= 13.53', CTT Agitator 2.875" OD=5.85', CT disconnect,
2.875"OD, .875" ID= .82', Bi-Direct Jars 2.875"OD, 1.0"=6.26', DFBPV 2.875"
OD 1.01" ID=1.73', 2.0" CT connector (Pull test 15k low/30k high) 2.875"OD,
1.35"ID=.55', BHA=29.91' (Max OD 3.75", Min ID .82" ID), RIH to clean-out
liner.
0050 hrs, TOL at 10,900', increased rate to 2.5 bpm at 6700 psi, holding
5000 psi back pressure,
0130 hrs, Tag diverter at 13,007' washed down to 13,366', pump 10 bbl
sweeps , tagged at 14,600' washed down to 14,900', Circ 15 Min start out of

From 6:00 To 0 hrs Category/Rmks: :

Well Name : UNIVERSITY 19-17 1H

Prospect:	Sandridge	AFE #:	PB090711
Sec/Twp/Rge:	19 / /	Operator:	Energex
API #:	4247535889	Field:	PHANTOM
Work Type:	Completion	County, St.:	WARD, TX
Production Oil:	0 / 0	Gas:	0 / 0
		Water:	0 / 0
		Supervisor:	
		Phone:	

Date : **4/4/2013** Activity: Acidize & Frac Rig Name: Days : 257

Daily Report Summary :

- PU Gun assembly, PU TCP Guns as follows, CT CTC 1 3/4" MMT, 2.875": OD x 87", BPV, 2.875" x 1.21', CT Release 2.875" OD x 2.12', XO 2.875" x 0.55', BD Firing Head (FH), 9-3.13" OD x 2.2', 6- 2.65" OD X 1' Time Delay (FH) Guns loaded 6/SPF with Titan HMX, 18 gram, Chgs (.41" Entry, TPP 36.2"), BHA #1 Total Length = 27.75'.
- Tih to 14,866'. Load .625" OD ball, pressure to 6000 psi, open valve launch ball, Pump down 2 bpm at 4890 psi CT/3500 psi WH, reduce rate to 1.5 bpm at 4605 psi CT/3500 psi WH, seat ball at 43.5 bbls pressure increased to 6200 psi Perforate Stage #3 as follows; 14,866', Time delay shots - 14,805', 14,744', 14,683', 14,622', 14,561', 6spf, HMX Charge EXP-2818-421T: 18 Gram, .41" E/H, W/36.22"Pen.. PU to 14,530'. Paint pipe to POH, for next stage.
- Clean-out fiber in SLB Frac Line.
- Breakdown Pressure = 6460 psi @ 7.4 Bpm. Pump 15% acid to Perfs. 14 @ 7120 psi. SD for 15 min.
- ISIP = 5764 psi. FG = .97, 15 min. = 4672 psi.
- Resume Treatment.
- At .5# x-link Sand Stage. Gate Valve vibrated open, Outer bull plug failed blew for 5-7 min. Pressure dropped to 4785 psi. Lost @ 15 -20 Bbls of frac fluid in reserve pit.
- SI Csg. Valve. Secure well. Flush Sand to Perfs 44 BPM @ 6975 psi.
- Replace & repair outer Csg, valves.
- Well head pressure = 4641 psi. Resume Frac treatment.
- Treat Stage #3 as follows; 47,316# 100 Mesh with WF 120 , 315,982# Super DC 30/50 sandw/ YF120 FlexD
- Avg Pressure - 7291 psi. Rate - 52.2 Bpm.
- Max " - 7860 psi. " - 70.9 " .
- Isip = 5441. 5 Min. = 4996, 10 Min. 4895, 15 Min. 4881.
- flush with 50 bbl YF120 FlexD, 2- 10 bbl diverter with 45 lbs Fiber-Net, displace with 450 bbls WF120 Lgel Stages in the Flush. Stage last 25 Bbls. SI for 30 Min.
- Wait 30 Min. Attempt to pressure test. 3.5 Bpm @ 5200 psi.
- Pump 3rd Fiber Divert. Dtsge Last 25 Bbls. SI 30 Min. Pressure test 3 bpm @ 7300.
- RD SLB. Release Frac Crew.
- RU CTU PU SLB CT BHA#2, 3.75" 6 blade Rev-clutch mill 3.75" OD 1.17', 5/6 3.5" BICO Motor= 13.53', CTT Agitator 2.875" OD=5.85', CT disconnect, 2.875"OD, .875" ID= .82', Bi-Direct Jars 2.875"OD, 1.0"=6.26', DFBPV 2.875" OD 1.01" ID=1.73', 2.0" CT connector (Pull test 15k low/30k high) 2.875"OD, 1.35"ID=.55', BHA=29.91' (Max OD 3.75", Min ID .82" ID), RIH On 2" Coil.W/O pump to check liner for Fiber Diverter.
- Tih to w/ Mill. Tagg @ 12830-90', 14,224-14,248'. Clear to 14530'.
- Presently LD 3.7" Mill to PU Perf. Guns.

Daily Report Detail:

6:00 - PU Gun assembly, PU TCP Guns as follows, CT CTC 1 3/4" MMT, 2.875": OD x 87", BPV, 2.875" x 1.21', CT Release 2.875" OD x 2.12', XO 2.875" x 0.55', BD Firing Head (FH), 9-3.13" OD x 2.2', 6- 2.65" OD X 1' Time Delay (FH) Guns loaded 6/SPF with Titan HMX, 18 gram, Chgs (.41" Entry, TPP 36.2"), BHA #1 Total Length = 27.75'.

8:15 - Tih to 14,866'. Load .625" OD ball, pressure to 6000 psi, open valve launch ball, Pump down 2 bpm at 4890 psi CT/3500 psi WH, reduce rate to 1.5 bpm at 4605 psi CT/3500 psi WH, seat ball at 43.5 bbls pressure increased to 6200 psi Perforate Stage #3 as follows; 14,866', Time delay shots - 14,805', 14,744', 14,683', 14,622', 14,561', 6spf, HMX Charge EXP-2818-421T: 18 Gram, .41" E/H, W/36.22"Pen.. PU to 14,530'. Paint pipe to POH, for next stage.

10:30 - Clean-out fiber in SLB Frac Line.

11:45 - Breakdown Pressure = 6460 psi @ 7.4 Bpm. Pump 15% acid to Perfs. 14 @ 7120 psi. SD for 15 min.

ISIP = 5764 psi. FG = .97, 15 min. = 4672 psi.

12:45 Resume Treatment.

At .5# x-link Sand Stage. Gate Valve vibrated open, Outer bull plug failed blew for 5-7 min. Pressure dropped to 4785 psi. Lost @ 15 -20 Bbls of frac fluid in reserve pit.

13:55 - SI Csg. Valve. Secure well. Flush Sand to Perfs 44 BPM @ 6975 psi.

15:25 - Replace & repair outer Csg, valves.

17:05 - Well head pressure = 4641 psi. Resume Frac treatment.

Treat Stage #3 as follows; 47,316# 100 Mesh with WF 120 , 315,982# Super DC 30/50 sandw/ YF120 FlexD

Avg Pressure - 7291 psi. Rate - 52.2 Bpm.

Well Name : UNIVERSITY 19-17 1H

Prospect:	Sandridge	AFE #:	PB090711
Sec/Twp/Rge:	19 / /	Operator:	Energen
API #:	4247535889	Field:	PHANTOM
Work Type:	Completion	County , St.:	WARD, TX
Production	Oil:	Gas:	0 / 0
		Water:	0 / 0

Max " - 7860 psi. " - 70.9 " .
Isip = 5441. 5 Min. = 4996, 10 Min. 4895, 15 Min. 4881.
flush with 50 bbl YF120 FlexD, 2- 10 bbl diverter with 45 lbs Fiber-Net, displace with 450 bbls
WF120 Lgel Stages in the Flush. Stage last 25 Bbls. SI for 30 Min.
Wait 30 Min. Attempt to pressure test. 3.5 Bpm @ 5200 psi.
20:00 - Pump 3rd Fiber Divert. Dtsge Last 25 Bbls. SI 30 Min. Pressure test 3 bpm @ 7300.
RD SLB. Release Frac Crew.
21:00 - RU CTU PU SLB CT BHA#2, 3.75" 6 blade Rev-clutch mill 3.75" OD 1.17', 5/6 3.5"
BICO Motor= 13.53', CTT Agitator 2.875" OD=5.85', CT disconnect, 2.875"OD, .875" ID= .82', Bi-
Direct Jars 2.875"OD, 1.0"=6.26', DFBPV 2.875" OD 1.01" ID=1.73', 2.0" CT connector (Pull test
15k low/30k high) 2.875"OD, 1.35"ID=.55', BHA=29.91' (Max OD 3.75", Min ID .82" ID), RIH On
2" Coil.W/O pump to check liner for Fiber Diverter.
2:00 - Tih to w/ Mill. Tagg @ 12830-90', 14,224-14,248'. Clear to 14530'.
6:00 - Presently LD 3.7" Mill & PU Perf. Guns.
Chlorides - 4076, PH - 7.47.

From 6:00 To 12:00	6 hrs	Category/Rmks: PERF : Perf Stage #3
From 12:00 To	10	Category/Rmks: Frac : Frac Stage #3. Pump Fiber Diverter.
From 22:00 To 6:00	8 hrs	Category/Rmks: Clean Out : Make Cleanout run w/ Coil.
From 0:00 To	0 hrs	Category/Rmks: :

Well Name : UNIVERSITY 19-17 1H

Prospect:	Sandridge	AFE #:	PB090711
Sec/Twp/Rge:	19 / /	Operator:	Energen
API #:	4247535889	Field:	PHANTOM
Work Type:	Completion	County, St.:	WARD, TX
Production Oil:	0 / 0	Gas:	0 / 0
		Water:	0 / 0

Date : **4/5/2013** Activity: Acidize & Frac Rig Name: Days : 258

Daily Report Summary : Perforate Stage #4. 14,500', 14,439', 14,378', 14,317', 14,256', 14,195'. Frac Treat Stage #4 - 64196# 100Mesh, 316,381# Super DC 30/50. All Sand Away. Made 3 attempts to seal Stage #4 Perfs W/ Fiber Diverter. Final Pressure 7900psi. Plug Held. PU 3.75" mill & wash out 4.5" Liner. PU Guns Presently - Perf Stage #5. 14,134', 14,073', 14,102', 13,951', 13,890', 13829'.

Daily Report Detail: 6:00 - PU Gun assembly, PU TCP Guns as follows, CT CTC 1 3/4" MMT, 2.875": OD x 87', BPV, 2.875" x 1.21', CT Release 2.875" OD x 2.12', XO 2.875" x 0.55', BD Firing Head (FH), 9-3.13" OD x 2.2', 6- 2.65" OD X 1' Time Delay (FH) Guns loaded 6/SPF with Titan HMX, 18 gram, Chgs (.41" Entry, TPP 36.2"), BHA #1 Total Length = 27.75'..

8:00 - Load .625" OD ball, pressure to 6000 psi, open valve launch ball, Pump down 2 bpm at 4890 psi CT/3500 psi WH, reduce rate to 1.5 bpm at 4605 psi CT/3500 psi WH, seat ball at 43.5 bbls pressure increased to 7000 psi.

Perforate Stage #4 as follows; 14,500', Time delay shots - 14,439', 14,378", 14,317', 14,256', 14,195',

6spf, HMX Charge EXP-2818-421T: 18 Gram, .41" E/H,

W/36.22"Pen.. PU to 14,530'. Paint pipe to POH, for next stage @ 14,164'.

10:15 - LD Perf. Guns. All Shots fired.

Cut 2" Coil. PU 3.7" Mill

RU SLB Began Treatment of Stage #4 as follows;

12:30 - 2500 gal 15% Acid. 7397 @ 10.1. Displace to Top Perf. ISIP = 6228, 15 min. 4769.

Treat w/ 64916# 100 Mesh, 316,381# Super DC 30/50 Sand W/ YF120 FlexD Gel & WF 120 Slick Water.

Avg Pressure - 7165 psi. Rate - 52.9 Bpm.

Max " - 7997 psi. " - 69.5 " .

Isip = 5310, 5 Min. = 5103, 10 Min. 5012, 15 Min. 4964.

15:50 Flush with 50 bbl YF120 FlexD, 2- 10 bbl diverter with 45 lbs Fiber-Net, displace with 450 bbls WF120 Lgel Stages in the Flush. Stage last 25 Bbls. SI for 30 Min.

Wait 30 Min. Attempt to pressure test. 3.5 Bpm @ 5200 psi.

16:51 - Pump 2nd Fiber Divert. Stage Last 25 Bbls. SI 30 Min. Pressure test 3-7 bpm @ 5300.

17:15 - Pump 3rd Fiber Divert Strage. Added 1000 # 100 Mesh ahead. 3 Slugs Fiber - 210 #.

Last Slug @ 30/50 #2500.

Staged last slug 16 @ 5873 psi. 12 @ 6199, Stage Pressure Lock up with 45 bbls left in Pipe.

Pressured 3 bpm @ 7900

& pressure held.

17:30 - Release Frac Crew.

19:15 - Repair Coil Unit. Cut off 30' 2" Coil on CTU.

19:45 - PU 3.70" 6 blade Rev-clutch mill 3.75" OD 1.17', 5/6 3.5" BICO Motor= 13.53', CTT Agitator 2.875" OD=5.85', CT disconnect, 2.875"OD, .875" ID= .82', Bi-Direct Jars 2.875OD, 1.0=6.26', DFBPV 2.875" OD 1.01" ID=1.73', 2.0" CT connector (Pull test 15k low/30k high) 2.875"OD, 1.35ID=.55', BHA=29.91' (Max OD 3.75", Min ID .82" ID),

Tih to Wash, 2.5 bpm at 6700 psi, 11,400' - 620', 13,240' - 300'. Tagged hard fill @ 14180'.

Circ . POH w/ 3.75" Mill.

3:00 - PU Gun assembly, PU TCP Guns as follows, CT CTC 1 3/4" MMT, 2.875": OD x 87', BPV, 2.875" x 1.21', CT Release 2.875" OD x 2.12', XO 2.875" x 0.55', BD Firing Head (FH), 9-3.13" OD x 2.2', 6- 2.65" OD X 1' Time Delay (FH) Guns loaded 6/SPF with Titan HMX, 18 gram, Chgs (.41" Entry, TPP 36.2"), BHA #1 Total Length = 27.75'.

From 6:00 To 10:30	4.5	Category/Rmks: Log and Perforate : Perforate Stage #4.
From 10:30 To	7.17	Category/Rmks: Frac : Frac Stage #4.
From 17:40 To 3:00	9.33	Category/Rmks: Clean Out : Clean-out to perf Stage #5.
From 3:00 To 6:00	3 hrs	Category/Rmks: Log and Perforate : Perforate #5

Well Name : UNIVERSITY 19-17 1H

Prospect:	Sandridge	AFE #:	PB090711
Sec/Twp/Rge:	19 / /	Operator:	Energen
API #:	4247535889	Field:	PHANTOM
Work Type:	Completion	County , St.:	WARD, TX
Production Oil:	0 / 0	Gas:	0 / 0
		Water:	0 / 0

Date : **4/6/2013** Activity: Acidize & Frac Rig Name: Days : 259

Daily Report Summary : Finish Perf Stage #5. Attempt to Pump Acid Pressure to 8000 after 315 bbls. TIH w/ Wash Nozzle on 2" CTU. Tagg 12,399'. POH PU 3 .75" mill. Tih to 13,218' to 13,224' wash bridge. Wash to 14, 214' Short Trip to Liner top 10, 220. C & C. Tih to 13,218' to 13,224'. Unable to drill thru. High Torque.

Daily Report Detail: 06:00 - Load .625" OD ball, pressure to 6000 psi, open valve launch ball, Pump down 2 bpm at 5300 psi CT/3700 psi WH, reduce rate to 1.5 bpm at 5300 psi CT/3500 psi WH, seat ball at 42 bbls pressure increased to 7000 psi. Perforate Stage #5 as follows; 14,134', Time delay shots - 14,073', 14,012', 13,951', 13,890', 13,829', 6spf, HMX Charge EXP-2818-421T: 18 Gram, .41" E/H, W/36.22"Pen. PU - Paint pipe to POH, for next stage @ 13,798. 10:15 - LD Perf. Guns. All Shots fired. 11:00 - RD SLB Began pumping 2500 gal 15% Acid. Breakdown 5876 psi. Started pumping @ 9.5 to 1 Bpm Pumped 315 bbls. Pressure increased to 8000 psi. 15:00 - SI attempt to surge. Dropped pressure to 4500 psi. Pumped 2 bbls pressure to 8000 psi. RU CTS 2" Coil. PU Wash Nozzle on 2" Coil. Tih to wash perms & spot acid. 17:30 - Tagged @ 12,399'. Wash for 30 Min. No progress. Poh w/ wash nozzle. 20:30 - PU 3.70" 6 blade Rev-clutch mill 3.75" OD 1.17', 5/6 3.5" BICO Motor= 13.53', CTT Agitator 2.875" OD=5.85', CT disconnect, 2.875"OD, .875" ID= .82', Bi-Direct Jars 2.875OD, 1.0=6.26', DFBPV 2.875" OD 1.01" ID=1.73', 2.0" CT connector (Pull test 15k low/30k high) 2.875"OD, 1.35ID=.55', BHA=29.91' (Max OD 3.75", Min ID .82" ID), 22:00 - Service Frac Tree. 23:30 - Tih wash bridge 12,414' - 12,424'. Wash to 14,214. 2.5 Bpm @ 7900 psi/4900 csg. 3:00 - Pump Sweeps. Toh to liner to 10,200'. C & C. Tih tagg bridge @ 13, 218' to 13,224'. 5:00 - Unable to work past. Mill high torque. Recovered Sand & acid . 6:00 - Poh to inspect 3.75" mill.

From 6:00 To 11:00	5 hrs	Category/Rmks: PERF : Perf Stage #5.
From 11:00 To	4 hrs	Category/Rmks: Frac : Attemot to Spot Acid
From 15:00 To	5.5	Category/Rmks: CIRC : PU Wash Nozzle. Tagged 12,399'.
From 20:30 To	3 hrs	Category/Rmks: Clean Out : TOH PU 3.75" mill.
From 23:30 To 3:00	3.5	Category/Rmks: Clean Out : Wash 12,414' - 424'. To 14,214'. TOH to 10,220 Short Trip.
From 3:00 To 5:00	2 hrs	Category/Rmks: MILL : Wash to 13,218' - 224'. Would not go past.
From 5:00 To 6:00	1 hrs	Category/Rmks: Clean Out : Poh inspect mill

Well Name : UNIVERSITY 19-17 1H

Prospect:	Sandridge	AFE #:	PB090711
Sec/Twp/Rge:	19 / /	Operator:	Energen
API #:	4247535889	Field:	PHANTOM
Work Type:	Completion	County , St.:	WARD, TX
Production Oil:	0 / 0	Gas:	0 / 0
		Water:	0 / 0

Date : **4/7/2013** Activity: Acid & Frac Rig Name: Days : 260
Daily Report Summary : POH Found Wear on outer 1/4" of 3.75" mill. PU 1.75 x 3.625 tapered mill. Work thru tite spot

Daily Report Detail:

@ 13,225'. Tih to 14,200'. C & C Hole Clean. Final TIH to 14,200' W/O pump. No Obstruction.

6:00 - POH w/ 3.75" Mill.

8:30 - Found wear on outer 1/4"+ of Mill. Inner section of Mill with no wear = 3.07".

11:00 - PU 1.75" x 3.625" Tapered Mill 3.12', XO - .67', 5/6 3.5" BICO Motor= 13.53', CTT Agitator 2.875" OD=5.85', CT disconnect, 2.875"OD, .875" ID= .82', Bi-Direct Jars 2.875OD, 1.0=6.26', DFBPV 2.875" OD 1.01" ID=1.73', 2.0" CT connector (Pull test 15k low/30k high) 2.875"OD, 1.35ID=.55', BHA=29.91' (Max OD 3.625", Min ID .82" ID),

12:00 - TIH wash thru spot @ 13,224' w/ light torque (2.5 bpm/6800.)

15:00 - Tih to 14224'. C&C . Toh as Sweep cleared EOC.

17:30 - C & C @ 10,200'.

18:30 - Tih 2nd clean-out run to 14,300'. 2.5 to 1.5 Bpm. 6-7000 psi.

23:00 - Tih 3rd clean-out to 14,214' W/O Pump no Obstructions. TOH w/ tapered Mill & LD Mill & Mtr.

2:45 - PU Gun assembly, PU TCP Guns as follows, CT CTC 1 3/4" MMT, 2.875": OD x 87', BPV, 2.875" x 1.21', CT Release 2.875" OD x 2.12', XO 2.875" x 0.55', BD Firing Head (FH), 9-3.13" OD x 2.2', 6- 2.65" OD X 1' Time Delay (FH) Guns loaded 6/SPF with Titan HMX, 18 gram, Chgs (.41"Entry, TPP 36.2") Total Length = 27.75'.

6:00 - Presently on depth to perf Stag #6.

From 6:00 To 9:00	3 hrs	Category/Rmks: PULL BHP GAUGES : POH w/ Mill & LD Tools
From 9:00 To 11:00	2 hrs	Category/Rmks: Clean Out : WO Tapered Mill
From 11:00 To	4.5	Category/Rmks: Clean Out : Tih to Dress tite spot
From 15:30 To	7.5	Category/Rmks: Clean Out : C & C. Short Trip to liner. TOH w/o pump
From 23:00 To 2:45	3.75	Category/Rmks: Clean Out : Poh w/ tapered Mill. PU Guns
From 2:45 To 6:00	3.25	Category/Rmks: Log and Perforate : TIH Perf stage #6.

Well Name : UNIVERSITY 19-17 1H

Prospect:	Sandridge	AFE #:	PB090711
Sec/Twp/Rge:	19 / /	Operator:	Energ
API #:	4247535889	Field:	PHANTOM
Work Type:	Completion	County, St.:	WARD, TX
Production Oil:	0 / 0	Gas:	0 / 0
		Water:	0 / 0
		Supervisor:	
		Phone:	

Date : **4/8/2013** Activity: Acidize & Frac Rig Name: Days : 261

Daily Report Summary : Finish Perf Stage #6, POH all shots fired. PU Guns TIH Perf Stage #7- 13,402' 13,341', 13,280', 13,219', 13,158'b', 13,097'.
 RU SLB Treat stage #5 w/ 52,903# 100 Mesh & 317,751# 30/50. Max Rate 74.1 BPM @ 7877 Psi. Avg Rate 55.3 Bpm @ 7278. Treat stage #6 w/ 39,076# 100 Mesh & 312,484# 30/50. Max Rate 70 BPM @ 7890Psi. Avg Rate 57.6 Bpm @ 7270. Treat stage #7 w/ 35,142# 100 Mesh & 315,413# 30/50.. Max Rate 71.4BPM @ 7890Psi. Avg Rate 63.2@ 7591psi. PU 4.5" Jaycar Plug Tih set @ 13,066'. Did not test. Neg. test to 3500. pressure to 4200 in 10 min. POH

Daily Report Detail: 6:00 - Finish Perf Stage #6. Pump down 2 bpm at 5300 psi CT/3700 psi WH, reduce rate to 1.5 bpm at 5300 psi CT/3500 psi WH, seat ball at 42 bbls pressure increased to 7900 psi. Perf. 13,768'. Time delay shots 13,707', 13,646', 13,586', 13,524', 13,463'. 6spf, HMX Charge EXP-2818-421T: 18 Gram, .41" E/H, W/36.22"Pen. PU - Paint pipe for next stage @ 13,432'.
 8:30 - LD Perf. Guns. All Shots fired. PU Gun assembly, PU TCP Guns as follows, CT CTC 1 3/4" MMT, 2.875": OD x 87', BPV, 2.875" x 1.21', CT Release 2.875" OD x 2.12', XO 2.875" x 0.55', BD Firing Head (FH), 9-3.13" OD x 2.2', 6- 2.65" OD X 1' Time Delay (FH) Guns loaded 6/SPF with Titan HMX, 18 gram, Chgs (.41" Entry, TPP 36.2"), BHA #1 Total Length = 27.75'..
 9:30 - Tih to Perf Stage #7. Tih to 13,402'. Load .625" OD ball, pressure to 6000 psi, open valve launch ball, Pump down 2 bpm at 5774 psi CT/4500 psi WH, reduce rate to 1.5 bpm at 5125 psi CT/4500 psi WH, seat ball at 44 bbls pressure increased to 7200 psi. Time delay shots - 13,341', 13,280', 13,219', 13,158", 13,097', 6spf, HMX Charge EXP-2818-421T: 18 Gram, .41" E/H, W/36.22"Pen. PU - Paint pipe to POH, for next stage @ 13,798.
 12:30- LD Perf. Guns. All Shots fired.
 13:30 - RU SLB Pump . SICP = 4070 psi. Breakdown 6630 @ 12.2 Bpm. Increase to 17.1 Bpm

Pressure increased to 7244 psi. Pump 3500 # 100 Mesh Good diversion w/o Fiber.
 14:45 - Treat Stage #5 as Per design:
 2500 gal 15% Acid. 7238 @ 17.2 Bpm. Displace to Top Perf. ISIP = 5035, 15 min. 651.
 Treat w/ 52,903# 100 Mesh, 317,751# Super DC 30/50 Sand W/ YF120 FlexD Gel & WF 120 Slick Water.
 Pump 450# Fiber Divert w/ 105# Fiber & 4500# 100 Mesh Sand. Stage Last 50 BBls. Pressure increased from
 5058 to 5410 psi @ 6 - 3 Bpm. SD for 1 hr to repair pumps & Fiber divert.
 Avg Pressure - 7278 psi. Rate - 55.3 Bpm.
 Max " - 7877 psi. " - 74.1 ".
 17:20 - Isip = 5281, 5 Min. = 5102, 10 Min. 5046, 15 Min. 5001.
 18:00 - Resume Treatment Stage #6 as Per design:
 2500 gal 15% Acid. 5982 @ 9.7 Bpm. Displace to Top Perf. ISIP = 5316 Psi.
 Treat w/ 39,076 # 100 Mesh, 312,484 # Super DC 30/50 Sand W/ YF120 FlexD Gel & WF 120 Slick Water.
 Pump 450# Fiber Divert w/ 105# Fiber & 4500# 100 Mesh Sand. Stage Last 50 BBls. Pressure increased from
 5156 to 5316 psi @ 8 - 3 Bpm. SD for 30 min. for Fiber divert.
 Avg Pressure - 7271 psi Rate - 57.6 Bpm.
 Max " - 7890 psi .Avg. - 74.1 ".
 20:30 - ISIP = 5145, 5 Min. = 4862, 10 Min. 4807, 15 Min. 4774.
 21:30 - Resume .Treat Stage #7 as Per design:
 2500 gal 15% Acid. 6316 @ 16.4 Bpm. Displace to Perfs. Pressure drop from 7407 to 6990 psi.
 Treat w/ 35,142 # 100 Mesh, 315,413# Super DC 30/50 Sand W/ YF120 FlexD Gel & WF 120 Slick Water.
 Avg Pressure - 7591 psi. Rate - 63.2 Bpm.
 Max " - 7890 psi. " - 71.4 ".
 22:50- Isip = 5263 psi, 5 Min. = 4897, 10 Min. =4805, 15 Min. =4752.
 RD SLB - Release Frac Crew.
 0:15 - PU Jaycar CBP Tih on @ " Coil.4.5" 11.6# Jaycar Mustang Series Frac Plug, 3.5" OD, 1.69', Set Slev 3.48" OD 1.42', Bkr10 Setting tool 2.746" OD 5.32', Ball Drop Seat 3.131" OD, 1.57', XO, 2 3/8" 8rd pin X Box 2.875"OD, 1.95"ID .55', CT disconnect, 2.875" OD .875" ID= 2.12', CT connector, 2.875"OD, 1.35"ID=.87', BHA =13.54',
 02:30 - Tih. Locate on Depth at 13,066', Drop 5/8"steel ball and Pump Ball down 2 bpm @ 5800psi . 1 1/2 Bpm @ 5200. Seat ball @ 8000 psi, Set CBP @ 13,066', PU 25' Bled test plug

Well Name : UNIVERSITY 19-17 1H

Prospect:	Sandridge	AFE #:	PB090711
Sec/Twp/Rge:	19 / /	Operator:	Energen
API #:	4247535889	Field:	PHANTOM
Work Type:	Completion	County , St.:	WARD, TX
Production	Oil:	Gas:	0 / 0
		Water:	0 / 0

to 3,500 psi Did not test. Pump 10 Bbl- pressure to 5000 psi dropp to4400 in 10 min. RIH Tag
plug and set 2,000 lbs over. Plug in place.
3:30 - POH.

From 6:00 To 12:00	6 hrs	Category/Rmks:	Log and Perforate : Perf Stage #6 & #7
From 12:00 To 0:15	12.2	Category/Rmks:	Frac : Treat Stage #5, #6, #7.
From 0:15 To 6:00	5.75	Category/Rmks:	: Set Plug @ 13066'.

Well Name : UNIVERSITY 19-17 1H

Prospect:	Sandridge	AFE #:	PB090711
Sec/Twp/Rge:	19 / /	Operator:	Energizer
API #:	4247535889	Field:	PHANTOM
Work Type:	Completion	County, St.:	WARD, TX
Production Oil:	0 / 0	Gas:	0 / 0
		Water:	0 / 0

Date : **4/9/2013** Activity: Acidize & Frac Rig Name: Days : 262

Daily Report Summary : Csg Injection Test 2.5 Bpm @ 6000 psi. 10 Bbl. Perf Stage #8 13.036', 12,975', 12,914', 12,853', 12,791', Frac w/ 341102# 100 mesh, 316172 # super dc 30/50 w/ Yf 120 flex d & Wf 120 Slickwater. Avg Pressure 7485psi. Avg Rate 56.4Bpm.
Total load stage #8 6624 bbls. TLTR 66,487bbls. Set plug #2 at 12,700'. Pressure tested loss 400# in 5 min. Perf stage #9 12,670', 12,609', 12,548', 12,487', 12,426', 12,365'. All shots fired. Prep to Frac stage #9.

Daily Report Detail: 06:00 - Conduct Casing Injection Test 2.5 BPM@5800-6000psi(10 Bbl), 3Bpm@6000-7600 psi(20Bbl), 3Bpm@7600-8000psi.10 Bbls build to 8000 psi.
-PU TCP Guns as follows, CT CTC 1 3/4" MMT, 2.875": OD x 87', BPV, 2.875" x 1.21', CT Release 2.875" OD x 2.12', XO 2.875" x 0.55', BD Firing Head (FH), 9-3.13" OD x 2.2', 6- 2.65" OD X 1' Time Delay (FH) Guns loaded 6/SPF with Titan HMX, 18 gram, Chgs (.41" Entry, TPP 36.2"), BHA #1 Total Length = 27.75'..
08:45 - Tih to Perf Stage #8. Tih to 13,036'. Load .625" OD ball, pressure to 6000 psi, open valve launch ball, Pump down 2 bpm at 5530 psi CT/4500 psi WH, reduce rate to 1.5 bpm at 4950 psi CT/4500 psi WH, seat ball at 42bbls pressure increased to 7300 psi. Time delay shots - 12,975, 12,914', 12,853', 12,791, 12,731'.
6spf, HMX Charge EXP-2818-421T: 18 Gram, .41" E/H, W/36.22"Pen.
09:30 - PU to Paint pipe for next CBP =Stage #9 @ 12,700'.
11:30 - LD Perf. Guns. All Shots fired.
12:00 - RU SLB. Treat Stage #8 as Per design:
2500 gal 15% Acid. 7438@ 7.6 Bpm. Displace to Top Perf. ISIP = 6151, 15 min. 5061.
Treat w/ 34,102# 100 Mesh, 316,172# Super DC 30/50 Sand W/ YF120 FlexD Gel & WF 120 Slick Water.
Avg Pressure - 7485 psi. Rate - 56.4 Bpm
Max " - 7982 psi. " - 70.2 ".
15:00 - Isip = 5566, 5 Min. = 5261, 10 Min. 5163, 15 Min. 5111
RD SLB & Release Frac Crew.
16:00 - PU Jaycar CBP Tih on @ " Coil.4.5" 11.6# Jaycar Mustang Series Frac Plug#2. 3.5" OD, 1.69', Set Slev 3.48" OD 1.42', Bkr10 Setting tool 2.746" OD 5.32', Ball Drop Seat 3.131" OD, 1.57', XO, 2 3/8" 8rd pin X Box 2.875"OD, 1.95"ID .55', CT disconnect, 2.875" OD .875" ID= 2.12', CT connector, 2.875"OD, 1.35"ID=.87', BHA =13.54',
16:45 - Tih. Locate on Depth at 12,700', Drop 5/8"steel ball and Pump Ball down 2 bpm @ 6350psi . 1 1/2 Bpm @ 4975. Seat ball @ 7300 psi, w/ 47 Bbl . Set CBP @ 12,700', Test Plug to 5000 psi. Lost 400 # in 5 min.
20:00 - Poh w/ setting tool.
22:30 - PU TCP Guns as follows, CT CTC 1 3/4" MMT, 2.875": OD x 87', BPV, 2.875" x 1.21', CT Release 2.875" OD x 2.12', XO 2.875" x 0.55', BD Firing Head (FH), 9-3.13" OD x 2.2', 6- 2.65" OD X 1' Time Delay (FH) Guns loaded 6/SPF with Titan HMX, 18 gram, Chgs (.41" Entry, TPP 36.2"), BHA #1 Total Length = 27.75'..
00:35 - Tih to Perf Stage #9. Tih to 12,670". Load .625" OD ball, pressure to 6000 psi, open valve launch ball, Pump down 2 bpm at 7600 psi CT/4500 psi WH, reduce rate to 1.5 bpm at 6250 psi CT/4500 psi WH, seat ball at 45 bbls pressure increased to 7900 psi. Time delay shots - 12,609', 12,548', 12,487',12,426', 12,365'. m6spf, HMX Charge EXP-2818-421T: 18 Gram, .41" E/H, W/36.22"Pen. PU - Paint pipe to POH, for next CBP =Stage #10 @ 12,334'. ".
02:00 - POH w/ Perf Guns & LD. All Shots fired.

From 6:00 To 11:30	5.5	Category/Rmks: Log and Perforate : Perf stage #8
From 11:30 To	4.5	Category/Rmks: Frac : Frac stage #8
From 16:00 To	6.5	Category/Rmks: RIH W/CIBP : Set Plug #2, Stage #9
From 22:30 To 4:30	6 hrs	Category/Rmks: Log and Perforate : Perf Stage #9.
From 4:30 To 6:00	1.5	Category/Rmks: : Prep to Frac Stage #9

Well Name : UNIVERSITY 19-17 1H

Prospect:	Sandridge	AFE #:	PB090711
Sec/Twp/Rge:	19 / /	Operator:	Energizer
API #:	4247535889	Field:	PHANTOM
Work Type:	Completion	County, St.:	WARD, TX
Production Oil:	0 / 0	Gas:	0 / 0
		Water:	0 / 0

Date : **4/10/2013** Activity: Acidize & Frac Rig Name: Days : 263

Daily Report Summary : Frac Stage #9. w/ 38,006 # 100 mesh, 314,492# Super DC 30/50 w/ Yf 120 flex d & Wf 120 Slickwater. Avg Pressure 7566 psi. Avg Rate 52.5 Bpm. Total load stage #9= 6771 bbls. TLTR 73,258 bbls. Set plug #3 at 12,334'. Pressure tested OK. Perf Stage #10 - 12,304', 12,234', 12,182', 12,121', 12,060', 11,999'. All shots fired. Prep to Frac stage #10. RD CTS WO Frac Crew. SDFN.

Daily Report Detail: 06:00 - RU SLB. Treat Stage #9 as Per design:
 2500 gal 15% Acid. Breakdown 7428 @ 8.7 Bpm. Displace to Top Perf. ISIP = 5856, 15 min. 5221.
 Treat w/ 38,006# 100 Mesh, 314,492# Super DC 30/50 Sand W/ YF120 FlexD Gel & WF 120 Slick Water.
 Avg Pressure - 7566 psi. Rate - 52.5 Bpm
 Max " - 7888 psi. " - 70.1 ".
 8:45 - Isip = 5626, 5 Min. = 5181, 10 Min. 5052, 15 Min. 4980
 RD SLB & Release Frac Crew.
 9:30 - PU Jaycar CBP Tih on 2" Coil.4.5" 11.6# Jaycar Mustang Series CBP #3. 3.5" OD, 1.69', Set Slev 3.48" OD 1.42', Bkr10 Setting tool 2.746" OD 5.32', Ball Drop Seat 3.131" OD, 1.57', XO, 2 3/8" 8rd pin X Box 2.875"OD, 1.95"ID .55', CT disconnect, 2.875" OD .875" ID= 2.12', CT connector, 2.875"OD, 1.35"ID=.87', BHA =13.54',
 12:00 - Tih. Locate on Depth at 12,334", Drop 5/8"steel ball and Pump Ball down 2 bpm @ 4749psi . 1 1/2 Bpm @ 4260. Seat ball @ 6200 psi, w/ 44 Bbl . Set CBP @ 12,334', Test Plug to 5000 psi. Test OK
 13:00 - Poh w/ setting tool.
 15:45 - PU TCP Guns as follows, CT CTC 1 3/4" MMT, 2.875": OD x 87', BPV, 2.875" x 1.21', CT Release 2.875" OD x 2.12', XO 2.875" x 0.55', BD Firing Head (FH), 9-3.13" OD x 2.2', 6-2.65" OD X 1' Time Delay (FH) Guns loaded 6/SPF with Titan HMX, 18 gram, Chgs (.41" Entry, TPP 36.2"), BHA #1 Total Length = 27.75'. Tih to Perf Stage #10. Tih to 12,304'. Load .625" OD ball, pressure to 6000 psi, open valve launch ball, Pump down 2 bpm at 4260 psi CT/1800 psi WH, reduce rate to 1.5 bpm at 4100 psi CT/1800 psi WH, seat ball at 45 bbls pressure increased to 6300 psi. Time delay shots - 12,234', 12,182', 12,121', 12,060', 11,999'. 6/SPF, HMX Charge EXP-2818-421T: 18 Gram, .41" E/H, W/36.22"Pen.
 18:40 - POH w/ Perf Guns & LD. All Shots fired.

From 6:00 To 10:30	4.5	Category/Rmks: Frac : Frac Stage #9
From 10:30 To	5.5	Category/Rmks: RIH W/CIBP : Set CBP #3.
From 16:00 To	4.5	Category/Rmks: Log and Perforate : Perf Stage #10
From 20:00 To	3.5	Category/Rmks: ND : LD Guns. Prep to Drill out after Frac.
From 23:30 To 6:00	6.5	Category/Rmks: SDFN : SDFN WO Frac Crew to Finish Stage #10.
From 6:00 To	hrs	Category/Rmks: :

Well Name : UNIVERSITY 19-17 1H

Prospect:	Sandridge	AFE #:	PB090711
Sec/Twp/Rge:	19 / /	Operator:	Energen
API #:	4247535889	Field:	PHANTOM
Work Type:	Completion	County , St.:	WARD, TX
Production Oil:	0 / 0	Gas:	0 / 0
		Water:	0 / 0

Date : **4/11/2013** Activity: DRILL BP & CO TO PBTD Rig Name: Days : 264

Daily Report Summary : Frac Stage #9. w/ 38,006 # 100 mesh, 314,492# Super DC 30/50 w/ Yf 120 flex d & Wf 120 Slickwater. Avg Pressure 7566 psi. Avg Rate 52.5 Bpm. Total load stage #10= 6902 bbls. TLTR 73,258 bbls. Total Sand - 421,180# 100 Mesh, 2,860,300# Super dc 30/50 Sand. Rd SLB Frac. RD Top Frac Stack. RE spot CTU. PU 3.625" Mill & Mtr.. TIH , Drill CBP @12234,

Daily Report Detail: 06:00 - RU SLB. Treat Stage #10 as Per design:
 2520 gal 15% Acid. Breakdown 6159 @ 7.7 Bpm. Displace to Top Perf. ISIP = 5312, 15 min. 54904
 Treat w/ 34,652# 100 Mesh, 308,620# Super DC 30/50 Sand W/ YF120 FlexD Gel & WF 120 Slick Water.
 Avg Pressure - 7625 psi. Rate - 52.5 Bpm
 Max " - 7899 psi. " - 70.6 "
 9:35 - Isip = 5424, 5 Min. = 4984, 10 Min. 4898, 15 Min. 4848.
 13:30 - RD SLB Pump Services.
 14:00 - ND Frac Tree, NU Flow Tree.
 17:30 - NU CTS 2" CTU.
 19:30 - PU SLB CT BHA#2, 3.625" 6 blade Rev-clutch mill 3.75" OD 1.17', 5/6 3.5" BICO Motor= 13.53', CTT Agitator 2.875"OD=5.85', CT disconnect, 2.875"OD, .875" ID= .82', Bi-Direct Jars 2.875"OD, 1.0"=6.26', DFBPV 2.875" OD 1.01" ID=1.73', 2.0" CT connector (Pull test 15k low/30k high) 2.875"OD, 1.35"ID=.55', BHA=29.91' (Max OD 3.75", Min ID .82" ID),
 20:15 - RIH On 2" Coil.23:38 TIH to top of liner at 10,200 2.5 bpm @7000 annular 4000psi TIH to 12234
 00:12 - Drilling on Plug #10 (first Plug of 3) Drilled up in 18 mins TIH to 12500 washing sand Toh to 12200, Tih to 12700 tagged plug Started sweep circulated sweep to end of coil 45 bbls Circulated 30 mins
 02:15 - Short tripped to 10, 200

From 6:00 To 13:30	7.5	Category/Rmks: Frac : Frac Stage #10. RD SLB Frac Services
From 13:30 To	6 hrs	Category/Rmks: MIRU : ND Top Frac Stack. RU 2"CTS
From 19:30 To	2.5	Category/Rmks: DRILL CIBP : Pu Coil Tools. w/3.625" Mill
From 22:00 To 4:30	6.5	Category/Rmks: DRILL CIBP : TIH, Drill CIBP #1 @12,700', ST to liner top
From 4:30 To 6:00	1.5	Category/Rmks: DRILL CIBP : Milling CBP #2 @ 12,700'.

Well Name : UNIVERSITY 19-17 1H

Prospect:	Sandridge	AFE #:	PB090711
Sec/Twp/Rge:	19 / /	Operator:	Energ
API #:	4247535889	Field:	PHANTOM
Work Type:	Completion	County, St.:	WARD, TX
Production Oil:	0 / 0	Gas:	0 / 0
		Water:	0 / 0

Date : **4/12/2013** Activity: DRILL BP & CO TO PBTD Rig Name: Days : 265

Daily Report Summary : Drill Plugs @ 12,700' & 13,066'. TIH to 15,560 Circulated Sweeps. TOH @ 35/fpm. 2/bpm@ 6800/3940csg.

RD 2" CTU. RU Premier Flow Control Flow-back. Open well @ 01:00 4/13/2013 SICP 3800
Opened on 8/64ck. FTP 3800 First hour rec'd. 40 bbls wtr. Total Load 73,285 bbls. Rec'd 307
Bbls in 5 hrs.

TLTR = 72951. Presently FTP = 3800 psi. 60/BPH. Note - Unable to Pump UD 28 Fiber breaker.
CTS advised possible damage to 2" coil.

Daily Report Detail: 06:00 - DrillPlug #2 @ 12,700'. In 15 Min. C & C sweeps.
07:30 - TIH to 12700 Finished drilling plug #2. Tih to 13600 drill Plug #3. Started sweep .
08:45 - Sweep on btm and out Started Short trip to Liner top
10:30 - Finished Short Trip to top of liner TIH
12:45 -Tih to 14500 Start sweeps. 3 bpm/7420/3850csg.
13:45 -TOH to Top of liner. Tih
15:00 - Finished TIH to 15479, washed to 15560 Started sweep
19:45 - Poh LD Mill and motor Rigging Down
23:00 - RD CTS @ CTU. Rigging up Flowback
01:00 - Started flowback SICP 3800 Fcp 3800 on 8/64 ck
02:00 - FCP 3800 Rec 40 bbls wtr Total to rec 73258 bbls.
06:00 - Flowback operations for last 5 hrs psi on 8/64" choke, 0 bbls of Oil recovered and 307
bbls of load water out of total 73.258 bbls to recover, 0 % of load recovered with 72951 bbls
left to recover. 0 bbls of oil, 299 bbls Wtr) 60 BWPH, 0 BOPH. recovering load water (5,000
Chlor/PH 7.2), no sand indicated

From 6:00 To 7:30	1.5	Category/Rmks: DRILL CIBP : Drill CBP
From 7:30 To 19:45	12.2	Category/Rmks: Clean Out : Clean out to PBTD.
From 19:45 To	3.25	Category/Rmks: RDMO RIG : RD Coil & RU Flowback.
From 23:00 To 6:00	7 hrs	Category/Rmks: FLOW BACK : Flow back Frac Load

Date : **4/13/2013** Activity: Flowback Rig Name: Days : 266

Daily Report Summary : Oil
Hourly = 0 Bbls
Daily Oil = 0
Total Oil bbls = 0
Load Water
Hourly = 60Bbls
Daily Wtr = 1434
Total Wtr = 1807
Total Load to Recover.73285 Bbl. 2.5% of load recovered
Gas
(last 24 hrs Metered gas sales 0 Mcfd,
8/64" Choke @ 3650 Psi FCP.
FCP = 3650. 8/64" Choke .

Daily Report Detail: 06:00 - Flowback operations total ours flowed 29 hrs psi on 8/64" choke, 0 bbls of Oil
recovered and 1807 bbls of load water out of total 73,258 bbls to recover, 2.5 % of load
recovered with 71451 bbls left to recover. 0 bbls of oil, 60 BWPH, 0 BOPH. recovering load
water (5,000 Chlor/PH 7.2), no sand indicated Daily recovery 1434 bbls wtr Trace of oil

From 6:00 To 6:00	24	Category/Rmks: FLOW BACK :
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Well Name : UNIVERSITY 19-17 1H

Prospect:	Sandridge	AFE #:	PB090711
Sec/Twp/Rge:	19 / /	Operator:	Energen
API #:	4247535889	Field:	PHANTOM
Work Type:	Completion	County , St.:	WARD, TX
Production Oil:	0 / 0	Gas:	0 / 0
		Water:	0 / 0

Date : **4/14/2013** Activity: Flow Back Rig Name: Days : 267

Daily Report Summary : Oil
Hourly = 0 Bbls
Daily Oil = 0
Total Oil bbls = 0
Load Water
Hourly = 61Bbls
Daily Wtr = 1468
Total Wtr = 3275
Total Load to Recover.73285 Bbl. 4.5% of load recovered
Gas
(last 24 hrs Metered gas sales 0 Mcfd,
8/64" Choke @ 3500 Psi FCP.
FCP = 3500. 10/64" Choke .

Daily Report Detail: 06:00 -06:00 Flowback operations total ours flowed 53 hrs psi on 10/64" choke, 0 bbls of Oil recovered and 3275 bbls of load water out of total 73,258 bbls to recover 4.5 % of load recovered with 69983 bbls left to recover. 0 bbls of oil, 61 BWPH, 0 BOPH. recovering load water (3,000 Chlor/PH 7.2), no sand indicated Daily recovery 1468 bbls wtr Trace of oil

From 6:00 To 6:00 24 Category/Rmks: FLOW BACK :
Date : **4/15/2013** Activity: Flowback Rig Name: Days : 268

Daily Report Summary : Oil
Hourly = 0 Bbls
Daily Oil = 0
Total Oil bbls = 0
Load Water
Hourly = 65Bbls
Daily Wtr = 1565
Total Wtr = 4840
Total Load to Recover.73285 Bbl. 6.6% of load recovered
Gas
(last 24 hrs Metered gas sales 0 Mcfd,
8/64" Choke @ 3360 Psi FCP.
FCP = 3360. 12/64" Choke .

Daily Report Detail: 06:00 -06:00 Flowback operations total ours flowed 77 hrs psi on 12/64" choke, 0 bbls of Oil recovered and 4840 bbls of load water out of total 73,258 bbls to recover 6.6 % of load recovered with 68418 bbls left to recover. 0 bbls of oil, 65 BWPH, 0 BOPH. recovering load water (3,000 Chlor/PH 7.2), no sand indicated Daily recovery 1565 bbls wtr Trace of oil

From 6:00 To 6:00 24 Category/Rmks: FLOW BACK :

Well Name : UNIVERSITY 19-17 1H

Prospect:	Sandridge	AFE #:	PB090711
Sec/Twp/Rge:	19 / /	Operator:	Energen
API #:	4247535889	Field:	PHANTOM
Work Type:	Completion	County , St.:	WARD, TX
Production Oil:	0 / 0	Gas:	0 / 0
		Water:	0 / 0

Date : **4/16/2013** Activity: Flowback Rig Name: Days : 269

Daily Report Summary : Flowback Operations
.Daily Fluid Report
Choke = 14/64" @ FCP 3220

Oil
Hourly = Trace
Daily Oil = 0
Total Oil bbls = 0

Load Water
Hourly = 64 Bbls
Daily Wtr = 1538
Total Wtr = 6378
Total Load to Recover.66880 Bbl. 8.7% of load recovered
Gas
(last 24 hrs Est gas Flared 393 Mcfd,)

Daily Report Detail: 06:00 Flowback operations total ours flowed 101 hrs psi on 14/64" choke, 0 bbls of Oil recovered and 6378 bbls of load water out of total 73,258 bbls to recover 8.7 % of load recovered with 66880 bbls left to recover. Trace of oil, 64 BWPH, 0 BOPH. recovering load water (27,850 Chlor/PH 7.5), no sand indicated
Daily recovery 1565 bbls Wtr w/Trace oil

From 6:00 To 6:00 24 Category/Rmks: FLOW BACK : Flowback operations total ours flowed 101 hrs psi on 14/64" choke, 0 bbls of Oil recovered and 6378 bbls of load water out of total 73,258 bbls to recover 8.7 % of load recovered with 66880 bbls left to recover. Trace of oil, 64 BWPH, 0 BOPH. recovering load water (27,850 Chlor/PH 7.5), no sand indicated

Date : **4/17/2013** Activity: Flowback Rig Name: Days : 270

Daily Report Summary : Flowback Operations
.Daily Fluid Report
Choke = 24/64" @ 2050 FCP

Oil
Hourly = 11 Bbl
Daily Oil =264
Total Oil bbls = 264

Load Water
Hourly = 50.4 Bbls
Daily Wtr = 1512
Total Wtr = 7890
Total Load to Recover. 65368 Bbl. 10.8% of load recovered
Gas
(last 24 hrs Est gas Flared 381 Mcfd,)

Daily Report Detail: 06:00-06:00 Flowback operations total ours flowed 101 hrs psi on 16/64" choke, 264 bbls of Oil recovered and 7890 bbls of load water out of total 73,258 bbls to recover 10.8 % of load recovered with 65368 bbls left to recover.
50.4 BWPH, 11 BOPH. recovering load water (27,850 Chlor/PH 7.5), no sand indicated
Daily recovery 1512 bbls Wtr. Daily Oil 264 oil. Daily Gas 381 Mcfd. Flaring Gas.

From 6:00 To 6:00 24 Category/Rmks: FLOW BACK : Flowback operations total ours flowed 101 hrs psi on 16/64" choke, 264 bbls of Oil recovered and 7890 bbls of load water out of total 73,258 bbls to recover 10.8 % of load recovered with 65368 bbls left to

Well Name : UNIVERSITY 19-17 1H

Prospect:	Sandridge	AFE #:	PB090711
Sec/Twp/Rge:	19 / /	Operator:	Energen
API #:	4247535889	Field:	PHANTOM
Work Type:	Completion	County , St.:	WARD, TX
Production Oil:	0 / 0	Gas:	0 / 0
		Water:	0 / 0

Date : **4/18/2013** Activity: Flowback Rig Name: Days : 271

Daily Report Summary : Flowback Operations
.Daily Fluid Report
Choke = 16/64" @ 2850 FCP

Oil
Hourly = 14 Bbl
Daily Oil = 367
Total Oil bbls = 631

Load Water
Hourly = 65 Bbls
Daily Wtr = 1519
Total Wtr = 9409
Total Load to Recover. 63849 Bbl. 12.8% of load recovered
Gas
(last 24 hrs Est gas Flared 611 Mcfd,)

Daily Report Detail: 06:00-06:00 Flowback operations total ours flowed 149 hrs 2850 psi on 16/64" choke 631 bbls of Oil recovered and 9409 bbls of load water out of total 73,258 bbls to recover 12.8 % of load recovered with 63849 bbls left to recover.
65 BWPH, 14 BOPH. recovering load water (30000 Chlor/PH 7.5), no sand indicated
Daily recovery 1519 bbls Wtr. Daily Oil 367 oil. Daily Gas 611 Mcfd. Flaring Gas.

From 6:00 To 6:00 24 Category/Rmks: FLOW BACK :

Date : **4/19/2013** Activity: Flowback Rig Name: Days : 272

Daily Report Summary : Flowback Operations
.Daily Fluid Report
Choke = 16/64" @ 2750 FCP

Oil
Hourly = 14 Bbl
Daily Oil = 356
Total Oil bbls = 987

Load Water
Hourly = 62 Bbls
Daily Wtr = 1501
Total Wtr = 10910
Total Load to Recover. 62348 Bbl. 14.9% of load recovered
Gas
(last 24 hrs Est gas Flared 792 Mcfd,)

Daily Report Detail: 06:00-06:00 Flowback operations total hours flowed 173 hrs FCP 2750 psi on 16/64" choke. 987 bbls of Oil recovered and 10910 bbls of load water out of total 73,258 bbls to recover 14.9 % of load recovered with 62348 bbls left to recover.
62 BWPH, 14 BOPH. recovering load water (30000 Chlor/PH 8.0), no sand indicated
Daily recovery 1501 bbls Wtr. Daily Oil 356 bbls. Daily Gas 792 Mcfd. Flaring Gas.

From 6:00 To 6:00 24 Category/Rmks: FLOW BACK : Flowback

Well Name : UNIVERSITY 19-17 1H

Prospect:	Sandridge	AFE #:	PB090711
Sec/Twp/Rge:	19 / /	Operator:	Energen
API #:	4247535889	Field:	PHANTOM
Work Type:	Completion	County , St.:	WARD, TX
Production Oil:	0 / 0	Gas:	0 / 0
		Water:	0 / 0

Date : **4/20/2013** Activity: Flowback Rig Name: Days : 273
Daily Report Summary : Choke = 18/64" @ 2550 FCP

Oil
Hourly = 14 Bbl
Daily Oil = 367
Total Oil bbls = 1354

Load Water
Hourly = 62 Bbls
Daily Wtr = 1500
Total Wtr = 12410
Total Load to Recover. 60848 Bbl. 16.9% of load recovered
Gas
(last 24 hrs Est gas Flared 1059 Mcfd,)

Daily Report Detail: 06:00-06:00 Flowback operations total hours flowed 197 hrs FCP 2550 psi on 18/64" choke.
1354 bbls of Oil recovered and 12410 bbls of load water out of total 73,258 bbls to recover
16.9 % of load recovered with 60848 bbls left to recover.
62 BWPH, 14 BOPH. recovering load water (30000 Chlor/PH 8.0), no sand indicated
Daily recovery 1500 bbls Wtr. Daily Oil 367 bbls. Daily Gas 1059 Mcfd. Flaring Gas

From 6:00 To 6:00 24 Category/Rmks: FLOW BACK :
Date : **4/21/2013** Activity: Flowback Rig Name: Days : 274
Daily Report Summary : Choke = 18/64" @ 2300 FCP

Oil
Hourly = 16 Bbl
Daily Oil = 393
Total Oil bbls = 1747

Load Water
Hourly = 61 Bbls
Daily Wtr = 1461
Total Wtr = 13874
Total Load to Recover. 59384 Bbl. 18.9% of load recovered
Gas
(last 24 hrs Est gas Flared 1154 Mcfd,)

Daily Report Detail: 06:00-06:00 Flowback operations total hours flowed 221 hrs FCP 2300 psi on 18/64" choke.
1747 bbls of Oil recovered and 13874 bbls of load water out of total 73,258 bbls to recover
18.9 % of load recovered with 59384 bbls left to recover.
61 BWPH, 16 BOPH. recovering load water (30000 Chlor/PH 8.0), no sand indicated
Daily recovery 1464 bbls Wtr. Daily Oil 393 bbls. Daily Gas 1154 Mcfd. Flaring Gas

From 6:00 To 6:00 24 Category/Rmks: FLOW BACK : Flowback Frac Load and test

Well Name : UNIVERSITY 19-17 1H

Prospect:	Sandridge	AFE #:	PB090711
Sec/Twp/Rge:	19 / /	Operator:	Energen
API #:	4247535889	Field:	PHANTOM
Work Type:	Completion	County , St.:	WARD, TX
Production Oil:	0 / 0	Gas:	0 / 0
		Water:	0 / 0

Date : **4/22/2013** Activity: Flowback Rig Name: Days : 275
Daily Report Summary : Choke = 18/64" @ 2100 FCP

Oil
Hourly = 16 Bbl
Daily Oil = 382
Total Oil bbls = 2129

Load Water
Hourly = 61 Bbls
Daily Wtr = 1464
Total Wtr = 15338
Total Load to Recover. 57920 Bbl. 20.9% of load recovered
Gas
(last 24 hrs Est gas Flared 1103 Mcfd,)

Daily Report Detail: 06:00-06:00 Flowback operations total hours flowed 245 hrs FCP 2100 psi on 18/64" choke.
2129 bbls of Oil recovered and 15338 bbls of load water out of total 73,258 bbls to recover
20.9 % of load recovered with 57920 bbls left to recover.
57 BWPH, 16 BOPH. recovering load water (31000 Chlor/PH 8.0), no sand indicated
Daily recovery 1464 bbls Wtr. Daily Oil 382 bbls. Daily Gas 1103 Mcfd. Flaring Gas

From 6:00 To 6:00 24 Category/Rmks: FLOW BACK : Flowback Frac Load and Test
Date : **4/23/2013** Activity: Flowback Rig Name: Days : 276
Daily Report Summary : Choke = 18/64" @ 2100 FCP

Oil
Hourly = 12 Bbl
Daily Oil = 321
Total Oil bbls = 2450

Load Water
Hourly = 56 Bbls
Daily Wtr = 1417
Total Wtr = 16755
Total Load to Recover. 56503 Bbl. 22.9% of load recovered
Gas
(last 24 hrs Est gas Flared 906 Mcfd,)

Daily Report Detail: 06:00-06:00 Flowback operations total hours flowed 269 hrs FCP 1950 psi on 18/64" choke.
2450 bbls of Oil recovered and 16755 bbls of load water out of total 73,258 bbls to recover
22.9 % of load recovered with 56503 bbls left to recover.
56 BWPH, 12 BOPH. recovering load water (31000 Chlor/PH 8.0), no sand indicated
Daily recovery 1417 bbls Wtr. Daily Oil 321 bbls. Daily Gas 906 Mcfd. Flaring Gas
Oil Sales : # 1178853= 180.46, #1178851 = 182.0, #1178854 = 180.11, # 1178850 = 182.0,
#1178852= 180.0 bbls API gravity 41
Total Daily Sales 904.57 Total Sales = 904.57.

From 6:00 To 6:00 24 Category/Rmks: FLOW BACK : Flowback Frac Load and Test

Well Name : UNIVERSITY 19-17 1H

Prospect:	Sandridge	AFE #:	PB090711
Sec/Twp/Rge:	19 / /	Operator:	Energen
API #:	4247535889	Field:	PHANTOM
Work Type:	Completion	County , St.:	WARD, TX
Production Oil:	0 / 0	Gas:	0 / 0
		Water:	0 / 0

Date : **4/24/2013** Activity: Flowback Rig Name: Days : 277
Daily Report Summary : Choke = 18/64" @ 1800 FCP

Oil
Hourly = 13 Bbl
Daily Oil = 310
Total Oil bbls = 2760

Load Water
Hourly = 53 Bbls
Daily Wtr = 1303
Total Wtr = 18058
Total Load to Recover. 55200 Bbl. 24.6% of load recovered
Gas
(last 24 hrs Est gas Flared 847Mcf,)

Daily Report Detail: 06:00-06:00 Flowback operations total hours flowed 293 hrs FCP 1800 psi on 18/64" choke.
2760 bbls of Oil recovered and 18058 bbls of load water out of total 73,258 bbls to recover 24.6
% of load recovered with 55200 bbls left to recover.
53 BWPH, 13 BOPH. recovering load water (32000 Chlor/PH 8.0), no sand indicated
Daily recovery 1303 bbls Wtr. Daily Oil 310 bbls. Daily Gas 847 Mcfd. Flaring Gas Total Oil

From 6:00 To 6:00 24 Category/Rmks: FLOW BACK : Flowback Frac Load and Test
Date : **4/25/2013** Activity: Flowback Rig Name: Days : 278
Daily Report Summary : Daily Fluid Totals
Choke = 18/64" @ 1650 FCP

Oil
Hourly = 12 Bbl
Daily Oil = 299
Total Oil bbls = 3050
Total Daily Oil Sales = 722.88 Total Oil Sales = 1627.45

Load Water
Hourly = 53 Bbls
Daily Wtr = 1251
Total Wtr = 19309
Total Load to Recover. 53949 Bbl. 26.4% of load recovered
Gas
(last 24 hrs Avg Gas Flared 847Mcf,)

Daily Report Detail: 06:00-06:00 Flowback Operations total hours flowed 317 hrs. FCP 1650 psi on 18/64" choke.
3059 bbls of Oil recovered and 19309 bbls of load water out of total 73,258 bbls to recover 26.4
% of load recovered with 53949 bbls left to recover.
53 BWPH, 12 BOPH. recovering load water (32000 Chlor/PH 8.0), no sand indicated
Daily recovery 1251 bbls Wtr. Daily Oil 299 bbls. Daily Gas Avg.= 847 Mcfd. Flaring Gas
Oil Sales # 1180544 = 180.44 bbls, # 1180543= 180.44bbls, # 1178855 = 181.00 bbls, #
1180545 = 181.00
Total Daily Oil Sales = 722.88 Total Oil Sales = 1627.45

From 6:00 To 6:00 24 Category/Rmks: FLOW BACK : Flowback Frac Load and Test

Well Name : UNIVERSITY 19-17 1H

Prospect:	Sandridge	AFE #:	PB090711
Sec/Twp/Rge:	19 / /	Operator:	Energen
API #:	4247535889	Field:	PHANTOM
Work Type:	Completion	County , St.:	WARD, TX
Production Oil:	0 / 0	Gas:	0 / 0
		Water:	0 / 0

Date : **4/26/2013** Activity: Flow Test Rig Name: Days : 279

Daily Report Summary : Daily Fluid Totals
Choke = 18/64" @ 1600 FCP
OIL
Hourly = 12 (Bbl)
Daily Oil = 275 "
Total Oil bbls = 3334 "
Total Daily Oil Sales =360.88 Total Oil Sales = 1,988.33
LOAD WATER
Hourly = 41 (Bbls)
Daily Wtr = 1,163 "
Total Wtr = 20,472 "
Total Load to Recover. 52786 Bbl. 27.9% of load recovered
Gas
(last 24 hrs Avg Gas Flared 742 Mcfd,)

Daily Report Detail: 06:00 Flowback Operations total hours flowed 341 hrs. FCP 1600psi on 18/64" choke. 3334bbls of Oil recovered and 20472 bbls of load water out of total 73,258 bbls to recover 27.9 % of load recovered with 52758 bbls left to recover.
41 BWPH, 12 BOPH. recovering load water (32000 Chlor/PH 8.0) - Oil Gravity 40.6, No Sand indicated
Daily recovery 1251 bbls Wtr. Daily Oil 299 bbls. Daily Gas Avg.= 847 Mcfd. Flaring Gas
Oil Sales Tickets - #1181370 = 180.44, #1180546 = 180.44.
Daily Oil Sales = 360.88. Bbl.

From 6:00 To 6:00 24 Category/Rmks: FLOW BACK : Flowback Frac Load and Test
Date : **4/27/2013** Activity: Flow Test Rig Name: Days : 280

Daily Report Summary : Daily Fluid Totals
Choke = 18/64" @ 1525 FCP
OIL
Hourly = 12 (Bbl)
Daily Oil = 277 "
Total Oil = 3611 "
Total Daily Oil Sale = 718.01
Total Oil Sales = 2706.34
LOAD WATER
Hourly = 24 (Bbls)
Daily Wtr = 554 "
Total Wtr = 26,978 "
Total Load to Recover. 45893. 37 % of load recovered
Gas
(last 24 hrs Metered gas Flared est at 1544 - Mcfd,)
Targa Gas Pipeline Issues. On line 9:00am Back to Flair 12:00

Daily Report Detail: 06:00 Flowback Operations total hours flowed 365 hrs. FCP 1525 psi on 18/64" choke. 3611 bbls of Oil recovered, and 21494 bbls of load water out of total 72,871 bbls to recover 29.3 % of load recovered with 51764 bbls left to recover.
43 BWPH, 12 BOPH. recovering load water (32000 Chlor/PH 8.0) - Oil Gravity 45.2, No Sand indicated
Daily recovery 1022 bbls Wtr. Daily Oil 277 bbls. Daily Gas Avg.= 737 Mcfd. Flaring Gas
Oil Sales Tickets - #1183135=178.73, #1183134=179.42, 1183132=180.44, #1183133=179.42

From 6:00 To 6:00 24 Category/Rmks: FLOW BACK : Flow Back Frac load & Flow Test

Well Name : UNIVERSITY 19-17 1H

Prospect:	Sandridge	AFE #:	PB090711
Sec/Twp/Rge:	19 / /	Operator:	Energen
API #:	4247535889	Field:	PHANTOM
Work Type:	Completion	County , St.:	WARD, TX
Production Oil:	0 / 0	Gas:	0 / 0
		Water:	0 / 0

Date : **4/28/2013** Activity: Flow Test Rig Name: Days : 281

Daily Report Summary : Daily Fluid Totals
Choke = 18/64" @ 1475 FCP
OIL
Hourly = 10 (Bbl)
Daily Oil = 285 "
Total Oil = 3896 "
Total Oil Sales = 2,706.34 Bbls.
LOAD WATER
Hourly = 43 (Bbls)
Daily Wtr = 996 "
Total Wtr = 22,490 "
Total Load to Recover 22,490 Bbl. 30.7 % of load recovered
Gas
Last 24 hrs Avg Gas Flared 723 (Mcf,)

Daily Report Detail: 06:00 Flowback Operations. Total hours flowed 389. FCP =1475psi on 18/64" Choke. Total Oil Recovered 3,896 Bbls
Total Wtr Recovered 22,490 Bbl of 73,258 bbls Total Frac Load. TLTR is 50,768 - 30.7 % of Total Fluid Pumped.
43 BWPH, 10 BOPH recovering load water (32000 Chlor/PH 8.0) - Oil Gravity 45.2, No Sand indicated

From 6:00 To 6:00 24 Category/Rmks: FLOW BACK : Flowback Frac load & Flow Test
Date : **4/29/2013** Activity: Flow Test Rig Name: Days : 282

Daily Report Summary : Daily Fluid Totals
Choke = 18/64" @ 1350 FCP
OIL
Hourly = 8 (Bbl)
Daily Oil = 239 "
Total Oil = 4135 "
Daily Oil Sales = 732.5
Total Oil Sales = 3438.84 Bbls.
LOAD WATER
Hourly = 37 (Bbls)
Daily Wtr = 921 "
Total Wtr = 23,411 "
Total Load to Recover 49,847 Bbl. 32 % of load recovered
Gas
Last 24 hrs Avg Gas Flared 722 (Mcf,)

Daily Report Detail: 06:00 Flowback Operations.Total hours flowed 413. FCP =1350psi on 18/64" Choke. Total Oil Recovered 4135 Bbls
Total Wtr Recovered 23,411 Bbl of 73,258 bbls Total Frac Load. TLTR is 49,847 - 32 % of Total Fluid Pumped.
37 BWPH, 8 BOPH Recovering load water (32000 Chlor/PH 8.0) - Oil Gravity 45.2, No Sand indicated
Daily recovery 921 bbls Wtr. Daily Oil 239 bbls. Daily Gas Avg.= 722 Mcfd. Flaring Gas.
Daily Oil Sales, #1185049=183.21, 1185050=182.52, #1185051=183.56, #1185052=183.21 Bbls.

From 6:00 To 6:00 24 Category/Rmks: FLOW BACK : Contine Flowback Frac Load & Flow Test

Well Name : UNIVERSITY 19-17 1H

Prospect:	Sandridge	AFE #:	PB090711
Sec/Twp/Rge:	19 / /	Operator:	Energen
API #:	4247535889	Field:	PHANTOM
Work Type:	Completion	County , St.:	WARD, TX
Production Oil:	0 / 0	Gas:	0 / 0
		Water:	0 / 0

Date : **4/30/2013** Activity: Flowback Rig Name: Days : 283

Daily Report Summary : Daily Fluid Totals
Choke = 20/64" @ 1250 FCP
OIL
Hourly = 12 (Bbl)
Daily Oil = 279 "
Total Oil = 4414 "
Daily Oil Sales = 695.38
Total Oil Sales = 4134.22 Bbls.
LOAD WATER
Hourly = 43 (Bbls)
Daily Wtr = 1010 "
Total Wtr = 24,421 "
Total Load to Recover 48,837 Bbl. 33 % of load recovered
Gas
Last 24 hrs Avg Gas Flared 829 (Mcf,)

Daily Report Detail: 06:00 Flowback Operations.Total hours flowed 437. FCP =1250psi on 20/64" Choke. Total Oil Recovered 4414 Bbls
Total Wtr Recovered 24,421 Bbl of 73,258 bbls Total Frac Load. TLTR is 48,837 - 33 % of Total Fluid Pumped.
43 BWPH, 12 BOPH Recovering load water (32000 Chlor/PH 8.0) - Oil Gravity@ Sales 45.2, No Sand indicated
Daily recovery 1010 bbls Wtr. Daily Oil 279 bbls. Daily Gas Avg.= 829 Mcfd. Flaring Gas.
Daily Oil Sales, #1185824=172.11, 1185825=170.72, #1185823=1830.44, #1185822=172.11 Bbls.
Daily Oil Sales = 695.38 Bbls.

From 6:00 To 6:00 24 Category/Rmks: FLOW BACK : Flowback Frac Load and Test
Date : **5/1/2013** Activity: Flowback Frac Rig Name: Days : 284

Daily Report Summary : Daily Fluid Totals
Choke = 20/64" @ 1125 FCP
OIL
Hourly = 11 (Bbl)
Daily Oil = 262 "
Total Oil = 4676 "
Daily Oil Sales = 515.41 BBbls.
Total Oil Sales = 4649.63 Bbls.
LOAD WATER
Hourly = 35 (Bbls)
Daily Wtr = 919 "
Total Wtr = 25340 "
Total Load to Recover 47,918 Bbl. 34.6 % of load recovered
Gas
Last 24 hrs Avg Gas Flared 736 (Mcf,)

Daily Report Detail: 06:00 Flowback Operations.Total hours flowed 461. FCP =1125psi on 20/64" Choke. Total Oil Recovered 4676 Bbls
Total Wtr Recovered 25,340 Bbl of 73,258 bbls Total Frac Load. TLTR is 47,918 - 34.6 % of Total Fluid Pumped.
35 BWPH, 11 BOPH Recovering load water (32000 Chlor/PH 8.0) - Oil Gravity@ Sales 45.2, No Sand indicated
Daily recovery 919 bbls Wtr. Daily Oil 262 bbls. Daily Gas Avg.= 736 Mcfd. Flaring Gas.
Daily Oil Sales, #1186669=183. #1186672=181.81, #1186666=150.6 Bbls.
Daily Oil Sales = 515.41 - Bbls.
Total Oil Sales = 4649.63 - Bbls.

From 6:00 To 6:00 24 Category/Rmks: FLOW BACK : Flowback Frac Load & Flow-Test Well

Well Name : UNIVERSITY 19-17 1H

Prospect:	Sandridge	AFE #:	PB090711
Sec/Twp/Rge:	19 / /	Operator:	Energen
API #:	4247535889	Field:	PHANTOM
Work Type:	Completion	County , St.:	WARD, TX
Production Oil:	0 / 0	Gas:	0 / 0
		Water:	0 / 0

Date : **5/2/2013** Activity: Flow Test Rig Name: Days : 285

Daily Report Summary : Daily Fluid Totals
Choke = 20/64" @ 1075 FCP
OIL
Hourly = 11 (Bbl)
Daily Oil = 234 "
Total Oil = 4910 "
Total Oil Sales = 4649.63 Bbls.
LOAD WATER
Hourly = 35 (Bbls)
Daily Wtr = 871 "
Total Wtr = 26,211 "
Total Load to Recover 47,047 Bbl. 36 % of load recovered
Gas
Last 24 hrs Avg Gas Flared 687 (Mcf,)

Daily Report Detail: 06:00 Flowback Operations.Total hours flowed 485. FCP =1075 psi on 20/64" Choke. Total Oil Recovered 4910 Bbls
Total Wtr Recovered 26,211 Bbl of 73,258 bbls Total Frac Load. TLTR is 47,047 - 36 % of Total Fluid Pumped.
35 BWPH, 11 BOPH Recovering load water (32000 Chlor/PH 8.0) - Oil Gravity@ Sales 45.2, No Sand indicated
Daily recovery 871 bbls Wtr. Daily Oil 234 bbls. Daily Gas Avg.= 687 Mcfd. Flaring Gas.
Total Oil Sales = 4649.63 - Bbls.

From 6:00 To 6:00 24 Category/Rmks: FLOW BACK : Flowback frac Load & Flow Test Well

Date : **5/3/2013** Activity: Flowback Rig Name: Days : 286

Daily Report Summary : Daily Fluid Totals
Choke = 20/64" @ 1075 FCP
OIL
Hourly = 10 (Bbl)
Daily Oil = 223 "
Total Oil = 5133 "
Daily Oil Sales = 181.5 bbls
Total Oil Sales = 4831.13 Bbls.
LOAD WATER
Hourly = 35 (Bbls)
Daily Wtr = 767 "
Total Wtr = 27012 "
Total Load to Recover 46,246 Bbl. 37 % of load recovered
Gas
Last 24 hrs Avg Gas Flared 694 (Mcf,)

Daily Report Detail: 06:00 Flowback Operations.Total hours flowed 509. FCP =1050 psi on 20/64" Choke. Total Oil Recovered 5133 Bbls
Total Wtr Recovered 27012 Bbl of 73,258 bbls Total Frac Load. TLTR is 46246 - 37 % of Total Fluid Pumped.
35 BWPH, 10 BOPH Recovering load water (32000 Chlor/PH 8.0) - Oil Gravity@ Sales 45.2, No Sand indicated
Daily recovery 767 bbls Wtr. Daily Oil 223 bbls. Daily Gas Avg.= 687 Mcfd. Flaring Gas.
Daily Oil Sales # 1189001 = 181.5 bbls Total Oil Sales = 4831.13 - bbls

From 6:00 To 6:00 24 Category/Rmks: FLOW BACK : Flowback Frac Load and Test

Well Name : UNIVERSITY 19-17 1H

Prospect:	Sandridge	AFE #:	PB090711
Sec/Twp/Rge:	19 / /	Operator:	Energen
API #:	4247535889	Field:	PHANTOM
Work Type:	Completion	County , St.:	WARD, TX
Production Oil:	0 / 0	Gas:	0 / 0
		Water:	0 / 0

Date : **5/4/2013** Activity: Flowback Rig Name: Days : 287

Daily Report Summary : Choke = 20/64" @ 925 FCP

OIL

Hourly = 9 (Bbl)

Daily Oil = 219 "

Total Oil = 5352 "

Daily Oil Sales = 0 bbls

Total Oil Sales = 4831.13 Bbls.

LOAD WATER

Hourly = 34 (Bbls)

Daily Wtr = 778 "

Total Wtr = 27790 "

Total Load to Recover 45,468 Bbl. 38 % of load recovered

Gas

Last 24 hrs Avg Gas Flared 676 (Mcfd,)

Daily Report Detail: 06:00 Flowback Operations.Total hours flowed 533. FCP =925 psi on 20/64" Choke. Total Oil Recovered 5352 Bbls
Total Wtr Recovered 27,790 Bbl of 73,258 bbls Total Frac Load. TLTR is 45,468 - 38 % of
Total Fluid Pumped.
34 BWPH, 9 BOPH Recovering load water (32000 Chlor/PH 8.0) - Oil Gravity@ Sales 45.2, No
Sand indicated
Daily recovery 778 bbls Wtr. Daily Oil 219 Bbls. Daily Gas Avg.= 676 Mcfd. Flaring Gas.
Daily Oil Sales = 0
Total oil Sales=4831.13

From 6:00 To 6:00 24 Category/Rmks: FLOW BACK : Flowback Frac Load and Test

Date : **5/5/2013** Activity: Flowback Rig Name: Days : 288

Daily Report Summary : Choke = 20/64" @ 850 FCP

OIL

Hourly = 9 (Bbl)

Daily Oil = 219 "

Total Oil = 5571 "

Daily Oil Sales = 183.22 bbls

Total Oil Sales = 5014.35 Bbls.

LOAD WATER

Hourly = 31 (Bbls)

Daily Wtr = 756 "

Total Wtr = 28,546 "

Total Load to Recover 44,712 Bbl. 39 % of load recovered

Gas

Last 24 hrs Avg Gas Flared 646 (Mcfd,)

Daily Report Detail: 06:00 Flowback Operations.Total hours flowed 558. FCP =850 psi on 20/64" Choke. Total Oil Recovered 5571 Bbls
Total Wtr Recovered 28,546 Bbl of 73,258 bbls Total Frac Load. TLTR is 44,712 - 39 % of
Total Fluid Pumped.
31 BWPH, 9 BOPH Recovering load water (32000 Chlor/PH 8.0) - Oil Gravity@ Sales 45.2, No
Sand indicated
Daily recovery 756 bbls Wtr. Daily Oil 219 Bbls. Daily Gas Avg.= 646 Mcfd. Flaring Gas.
Daily Oil Sales = 183.22 bbls
Total oil Sales= 5014.35 bbls

From 6:00 To 6:00 24 Category/Rmks: FLOW BACK : Flowback Frac Load and Test

Well Name : UNIVERSITY 19-17 1H

Prospect:	Sandridge	AFE #:	PB090711
Sec/Twp/Rge:	19 / /	Operator:	Energen
API #:	4247535889	Field:	PHANTOM
Work Type:	Completion	County , St.:	WARD, TX
Production Oil:	0 / 0	Gas:	0 / 0
		Water:	0 / 0

Date : **5/6/2013** Activity: Flowback Rig Name: Days : 289

Daily Report Summary : Daily Fluid Recovery
Choke = 20/64" @ 850 FCP
OIL
Hourly = 9 (Bbl)
Daily Oil = 208 "
Total Oil = 5779 "
Daily Oil Sales = 550.33 bbls
Total Oil Sales = 5564.68 Bbls.
LOAD WATER
Hourly = 31 (Bbls)
Daily Wtr = 738 "
Total Wtr = 29,284 "
Total Load to Recover 43,974 Bbl. 40 % of load recovered
Gas
Last 24 hrs Avg Gas Flared 645 (Mcf,)

Daily Report Detail: 06:00 Flowback Operations.Total hours flowed 581 FCP =850 psi on 20/64" Choke. Total Oil Recovered 5779 Bbls
Total Wtr Recovered 29,284 Bbl of 73,258 bbls Total Frac Load. TLTR is 43,974 - 40% of
Total Fluid Pumped.
31 BWPH, 9 BOPH Recovering load water (32000 Chlor/PH 8.0) - Oil Gravity@ Sales 45.2, No Sand indicated
Daily recovery 738 bbls Wtr. Daily Oil 208 Bbls. Daily Gas Avg.= 645 Mcfd. Flaring Gas.
Daily Oil Sales = 550.33 bbls #1191704 =183.21 bbls # 1192601 = 183.90 bbls # 1192563 = 183.22

From 6:00 To 6:00 24 Category/Rmks: FLOW BACK : Flowback Frac Load and Flow Test
Date : **5/7/2013** Activity: Flowback Rig Name: Days : 290

Daily Report Summary : Daily Fluid Recovery
Choke = 20/64" @ 850 FCP
OIL
Hourly = 98 (Bbl)
Daily Oil = 199 "
Total Oil = 5978 "
Daily Oil Sales = 0
Total Oil Sales = 5564.68 Bbls.
LOAD WATER
Hourly = 26 (Bbls)
Daily Wtr = 676 "
Total Wtr = 29,962 "
Total Load to Recover 43,296 Bbl. 41 % of load recovered
Gas
Last 24 hrs Avg Gas Flared 565 (Mcf,)

Daily Report Detail: 06:00 Flowback Operations.Total hours flowed 605 FCP =650 psi on 20/64" Choke. Total Oil Recovered 5978 Bbls
Total Wtr Recovered 29,962 Bbl of 73,258 bbls Total Frac Load. TLTR is 43,296 - 41% of
Total Fluid Pumped.
26 BWPH, 8 BOPH Recovering load water (32000 Chlor/PH 8.0) - Oil Gravity@ Sales 46, No Sand indicated
Daily recovery 678 bbls Wtr. Daily Oil 199 Bbls. Daily Gas Avg.= 565 Mcfd. Flaring Gas.
Total Oil Sales= 5564.68bbls

From 6:00 To 6:00 24 Category/Rmks: FLOW BACK : Flowback Load & Test Well

Well Name : UNIVERSITY 19-17 1H

Prospect:	Sandridge	AFE #:	PB090711
Sec/Twp/Rge:	19 / /	Operator:	Energen
API #:	4247535889	Field:	PHANTOM
Work Type:	Completion	County , St.:	WARD, TX
Production Oil:	0 / 0	Gas:	0 / 0
		Water:	0 / 0

Date : **5/8/2013** Activity: Flowback Rig Name: Days : 291

Daily Report Summary : Daily Fluid Report
 Choke = 20/64" @ 850 FCP
 OIL
 Hourly = 6 (Bbl)
 Daily Oil = 194 "
 Total Oil = 6172 "
 Daily Oil Sales = 364.71
 Total Oil Sales = 5928.92 Bbls.
 LOAD WATER
 Hourly = 26 (Bbls)
 Daily Wtr = 658 "
 Total Wtr = 30,620 "
 Total Load to Recover 42,638 Bbl. 42 % of load recovered
 Gas
 Last 24 hrs Avg Gas Flared 525 (Mcf,)

Daily Report Detail: 06:00 Flowback Operations.Total hours flowed 629 FCP =650 psi on 20/64" Choke. Total Oil Recovered 6172 Bbls
 Total Wtr Recovered 30,620 Bbl of 73,258 bbls Total Frac Load. TLTR is 42,638 - 42% of Total Fluid Pumped.
 26 BWPH, 6 BOPH Recovering load water (32000 Chlor/PH 8.0) - Oil Gravity@ Sales 46, No Sand indicated
 Daily recovery 658 bbls Wtr. Daily Oil 194 Bbls. Daily Gas Avg.= 525 Mcfd. Flaring Gas.
 Daily oil sales = 364.71 - #1194073=183,21, 1192564=181.5
 Total Oil Sales= 5928.92 bbls

From 6:00 To 6:00 24 Category/Rmks: FLOW BACK : Flowback Frac Load and Test
 Date : **5/9/2013** Activity: Clean Out with CTU Rig Name: Days : 292

Daily Report Summary : Daily Fluid Report
 Choke = 20/64" @ 725 FCP
 OIL
 Hourly = 7 (Bbl)
 Daily Oil = 57 "
 Total Oil = 6229 "
 Total Oil Sales = 5928.92 Bbls.
 LOAD WATER
 Hourly = 43 (Bbls)
 Daily Wtr = 609 "
 Total Wtr = 31,229 "
 Total Load to Recover 42,029 Bbl. 43 % of load recovered
 Gas
 Last 24 hrs Avg Gas Flared 220 (Mcf,)
 Wash w/ 2" coil to 15,474'. POH. Flow back well.
 Prep to spot UD -28 Fluid in Lateral

Daily Report Detail: 06:00 Flowback Operations.Total hours flowed 653 FCP =725 psi on 20/64" Choke. Total Oil Recovered 6229 Bbls Total Wtr Recovered 31,229 Bbl of 73,258 bbls Total Frac Load. TLTR is 42029 - 43% of Total Fluid Pumped. 43 BWPH, 7 BOPH Recovering load water (32000 Chlor/PH 8.0) - Oil Gravity@ Sales 46, No Sand indicated Daily recovery 609 bbls Wtr. Daily Oil 57 Bbls. Daily Gas Avg.= 220 Mcfd. Flaring Gas. 11:00 - No Tools available. Cut mule shoe on 2" CT. Test Stack to 5000. RIH pumping 1 bpm @ 1523/735 psi WH. 15:00 - Increase rate to 2 bpm 2371psi Tbg/590 psi WH @ 10,300'. Cont RIH w/ Coil. 18:00 Tag Btm @ 15,474', Wash 2 times, tag same, Raint reel(Red). Pump 20 Bbl gel sweep. C & C lateral clean. 18:30 - Poh w/ 2" Coil. 2 bpm @ 2355 tbg/578 psiWH 21:00 - Out of well> Close top Master valve, Continue

From 6:00 To 12:30 6.5 Category/Rmks: FLOW BACK : Flow Test
 From 12:30 To 8.5 Category/Rmks: Clean Out : Clean out w/ CTU
 From 21:00 To 6:00 9 hrs Category/Rmks: FLOW BACK : Flow back.

Well Name : UNIVERSITY 19-17 1H

Prospect:	Sandridge	AFE #:	PB090711
Sec/Twp/Rge:	19 / /	Operator:	Energ
API #:	4247535889	Field:	PHANTOM
Work Type:	Completion	County , St.:	WARD, TX
Production Oil:	0 / 0	Gas:	0 / 0
		Water:	0 / 0

Date : **5/10/2013** Activity: Clean Out with Coil Tbg Rig Name: Days : 293

Daily Report Summary : 800 psi on 24/64 choke. Flow 5 Bbls Oil & 39 Bbls Wtr. Gas Spot check - 527 Mcfd.

Start RIH with CT and cut mule shoe.

Tag PBDT at 15,564' Circulate clean, 11 bpm @ 1000 psi Tbg/ 850 psi WH.

RU Supreme Services, start 2 bpm @ 2600 psi Tbg/600 psi WH, at 47 bbls slow rate to 1 bpm @

1168 psi Tbg / 602 psi WH start SLB caustic fluid UD-28 Sodium Hydroxide solution, continue

pumping via 2"CT, at 57 bbls. POH at 45 Fpm,

95 bbls of Caustic pumped (4000 gal), start displacement with 47 bbls Treated water.

SD pump with 47 bbls displacement, SICP 875 psi, continue POH with CT at 10,300', all caustic fluid left in lateral.

Out of well with CT, SIW overnight for contact time in lateral.

SICP 1264 psi. Prep to flowback.

Daily Report Detail: 06:00 FCP - 800 psi on 24/64 choke. Flow 5 Bbls Oil & 39 Bbls Wtr. Gas Spot check - 527.Mcfd.

0700 hrs, Start RIH with CT and cut mule shoe.

1100 hrs, Tag PBDT at 15,564' Circulate clean, 11 bpm @ 1000 psi Tbg/ 850 psi WH.

1200 hrs, RU Supreme Serv pump Trk, start 2 bpm @ 2600 psi Tbg/600 psi WH, at 47 bbls slow

rate to 1 bpm @ 1168 psi Tbg / 602 psi WH start SLB caustic fluid UD-28 Sodium Hydroxide

solution, continue pumping via 2" CT, at 57 bbls start POH at 45 fpm,

1300 hrs, 95 bbls of caustic pumped (4000 gal), start displacement with 47 bbls treated water.

1400 hrs, SD pump with 47 bbls displacement, SICP 875 psi, continue POH with CT at 10,300',

all caustic fluid left in lateral.

1730 hrs, out of well with CT, SIW overnight for contact time in lateral.

0600 hrs, SICP 1264 psi. Prep to flowback.

From 6:00 To 17:30 11.5 Category/Rmks: CIRC : Circ UD 28 via 2" Coil

From 17:30 To 6:00 12.5 Category/Rmks: SDFN : SI Soak UD 28

Date : **5/11/2013** Activity: Flowback Rig Name: Days : 294

Daily Report Summary : Flowback Frac Load and Test

Daily Report Detail: 06:00 Flowback Operations.Total hours flowed 691 FCP =650 psi on 20/64" Choke. Total Oil

Recovered 6408Bbls

Total Wtr Recovered 31,855 Bbl of 73,258 bbls Total Frac Load. TLTR is 41,403 - 43% of

Total Fluid Pumped.

26 BWPH, 8 BOPH Recovering load water (32000 Chlor/PH 8.0) - Oil Gravity@ Sales 46, No Sand indicated

Daily recovery 587 bbls Wtr. Daily Oil 174 Bbls. Daily Gas Avg.= 442 Mcfd. Flaring Gas.

Daily oil sales = 183.56 #1196414=183.56

Total Oil Sales= 6112.48 bbls

From 6:00 To 6:00 24 Category/Rmks: FLOW BACK : Flowback Frac Load and Test

Well Name : UNIVERSITY 19-17 1H

Prospect:	Sandridge	AFE #:	PB090711
Sec/Twp/Rge:	19 / /	Operator:	Energen
API #:	4247535889	Field:	PHANTOM
Work Type:	Completion	County , St.:	WARD, TX
Production Oil:	0 / 0	Gas:	0 / 0
		Water:	0 / 0

Date : **5/12/2013** Activity: Flowback Rig Name: Days : 295

Daily Report Summary : Choke = 22/64" @ 525 FCP

OIL

Hourly = 8 (Bbl)

Daily Oil = 216 "

Total Oil = 6624 "

Daily Oil Sales = 0 bbls

Total Oil Sales = 6112.48 Bbls.

LOAD WATER

Hourly = 25 (Bbls)

Daily Wtr = 657 "

Total Wtr = 32512 "

Total Load to Recover 40746 Bbl. 44 % of load recovered

Gas

Last 24 hrs Avg Gas Flared 515 (Mcfd,)

Daily Report Detail: 06:00 Flowback Operations.Total hours flowed 725 FCP =525psi on 22/64" Choke. Total Oil Recovered 6624Bbls
Total Wtr Recovered 32,512 Bbl of 73,258 bbls Total Frac Load. TLTR is 40,746 - 44% of Total Fluid Pumped.
25 BWPH, 8 BOPH Recovering load water (32000 Chlor/PH 8.0) - Oil Gravity@ Sales 46, No Sand indicated
Daily recovery 657 bbls Wtr. Daily Oil 216 Bbls. Daily Gas Avg.= 515 Mcfd. Flaring Gas.
Daily oil sales = 0
Total Oil Sales= 6112.48 bbls

Date : **5/13/2013** Activity: Flowback Rig Name: Days : 296

Daily Report Summary : Daily Fluid Recovery

Choke = 22/64" @ 475 FCP

OIL

Hourly = 6 (Bbl)

Daily Oil = 187 "

Total Oil = 6811 "

Daily Oil Sales = 365.06 bbls

Total Oil Sales = 6477.54 Bbls.

LOAD WATER

Hourly = 27 (Bbls)

Daily Wtr = 633 "

Total Wtr = 33,145 "

Total Load to Recover 40,113 Bbl. 45 % of load recovered

Gas

Last 24 hrs Avg Gas Flared 434 (Mcf Flared)

Daily Report Detail: 06:00 Flowback Operations.Total hours flowed 749 FCP =475psi on 22/64" Choke. Total Oil Recovered 6811Bbls
Total Wtr Recovered 33,145 Bbl of 73,258 bbls Total Frac Load. TLTR is 40,113 - 45% of Total Fluid Pumped.
27 BWPH, 6 BOPH Recovering load water (32000 Chlor/PH 8.0) - Oil Gravity@ Sales 46, No Sand indicated
Daily recovery 633 bbls Wtr. Daily Oil 187 Bbls. Daily Gas Avg.= 434 Mcfd. Flaring Gas.
Daily oil sales = 365.06 #1197516 = 181.50 # 1198494 = 183.56
Total Oil Sales= 6477.54 bbls

From 6:00 To 6:00 24 Category/Rmks: FLOW BACK : Flowback Frac Load and Test

Well Name : UNIVERSITY 19-17 1H

Prospect:	Sandridge	AFE #:	PB090711
Sec/Twp/Rge:	19 / /	Operator:	Energen
API #:	4247535889	Field:	PHANTOM
Work Type:	Completion	County , St.:	WARD, TX
Production Oil:	0 / 0	Gas:	0 / 0
		Water:	0 / 0

Date : **5/14/2013** Activity: Flow Test Rig Name: Days : 297

Daily Report Summary : Daily Fluid Recovery
 Choke = 22/64" @ 450 FCP
 OIL
 Hourly = 6 (Bbl)
 Daily Oil = 171 "
 Total Oil = 6982 "
 Daily Oil Sales = 184.25 bbls
 Total Oil Sales = 6661.79Bbls.
 LOAD WATER
 Hourly = 24 (Bbls)
 Daily Wtr = 608 "
 Total Wtr = 33,753 "
 Total Load to Recover 39,505 Bbl. 46 % of load recovered
 Gas
 Last 24 hrs Avg Gas Flared 436 (Mcf Flared)

Daily Report Detail: 06:00 Flowback Operations.Total hours flowed 773 FCP =450 psi on 22/64" Choke. Total Oil Recovered 6982Bbls
 Total Wtr Recovered 33,753 Bbl of 73,258 bbls Total Frac Load. TLTR is 39,505- 46% of Total Fluid Pumped.
 24 BWPH, 6 BOPH Recovering load water (32000 Chlor/PH 8.0) - Oil Gravity@ Sales 46, No Sand indicated
 Daily recovery 608 bbls Wtr. Daily Oil 171 Bbls. Daily Gas Avg.= 436 Mcfd. Flaring Gas.
 Daily oil sales = #1199246 = 184.25
 Total Oil Sales= 6661.79 bbls

From 6:00 To 6:00 24 Category/Rmks: FLOW BACK : Flowback & Flow Test well
 Date : **5/15/2013** Activity: RUN PRODUCTION TBG Rig Name: Days : 298

Daily Report Summary : SI Well RU Pioneer WL Service & Crane.. PU CCL/6" GR & Junk Basket. Tih to 10,200'.
 RIH w/ Baker Hornet packer assembly, Baker 20 setting tool & WLAK, 3.82"OD, 10.65' Packer 6.0'OD x 2.23" ID profile X 8.82 ', Pup jt. Glass disk 3.78 " OD X 2.432 " ID X 5.78'. Set Pkr @ 10,135'. End of Pkr Assembly @ 10,146'. TOH w/ Setting tool
 Out of hole w/WL. RD Pioneer WL & Crane. Bled down csg. Pkr held. ND Frac Stack & RU 5l Hyd. BOP.
 Move 320 jts 2 7/8 6.5 # L-80 EUE 8 rd tbg to pipe racks. RU laydown machine. PU on off tool on 2 7/8: tbg. PU 5 jts. 2 7/8" tbg.

Daily Report Detail: 06:00 - SI Well RU Pioneer WL Service & Crane.
 7:30 - PU CCL/6" GR & Junk Basket. Tih to 10,200'.
 10:00 - RIH w/ Baker 600-237 Hornet packer assembly, Baker 20 setting tool & WLAK, 3.82"OD, 10.65' Packer 6.0'OD x 2.23" ID profile X 8.82 ', Pup jt. Glass disk 3.78 " OD X 2.432 " ID X 5.78'.
 11:00 - Set Pkr @ 10,135'. End of Pkr Assembly @ 10,146'. TOH w/ Setting tool
 12:30 - Out of hole w/WL. RD Pioneer WL & Crane. Bled down csg. Pkr held.
 14:30 - ND Frac Stack & RU 5l Hyd. BOP.
 17:00 - Move 320 jts 2 7/8 6.5 # L-80 EUE 8 rd tbg to pipe racks. RU laydown machine.
 18:30 - PU on off tool on 2 7/8: tbg. PU 5 jts. 2 7/8" tbg.

From 6:00 To 13:00	7 hrs	Category/Rmks: Log and Perforate : Set Pkr.
From 13:00 To	5 hrs	Category/Rmks: ND FRAC VALVE : ND Frac Stack Nu 5k Bop
From 16:00 To	3 hrs	Category/Rmks: MIRU : Load tbg on Racks.

Well Name : UNIVERSITY 19-17 1H

Prospect:	Sandridge	AFE #:	PB090711
Sec/Twp/Rge:	19 / /	Operator:	Energen
API #:	4247535889	Field:	PHANTOM
Work Type:	Completion	County , St.:	WARD, TX
Production Oil:	0 / 0	Gas:	0 / 0
		Water:	0 / 0

Date : **5/16/2013** Activity: RU the Pulling Unit & PU Rig Name: Days : 299

Daily Report Summary : Ran on/off tool and 2.875" L-80 tbg. Circ pkr fluid, latched, ND BOP, NU Head, Broke disc, ,
Flowing back thru test equipment.

Daily Fluid Recovery

Choke = 20/64" @ 375 FCP

OIL

Hourly = 11 (Bbl)

Daily Oil = 74 "

Total Oil = 7056 "

Total Oil Sales = 6661.79Bbls.

LOAD WATER

Hourly = 28 (Bbls)

Daily Wtr = 410 "

Total Wtr = 34,163 "

Total Load to Recover 39,095 Bbl. 47 % of load recovered

Gas

Last 24 hrs Avg Gas Flared 389 (Mcf Flared).

Daily Report Detail: 06:00-Continue Tih w/ L-10 on/off tool- 2.875"x2.31" XN, 319 jt 2.875 2" 6.5# L-80 8rd, 10,8,6 Pup subs, 1 jt 2.875" 6.5#L-80 8rd. Landing hanger
Circulate 300 bbl of Pkr-Fluid. Latched on/off tool set w 11k compression. Pkr set @ 10,131.26'.
End of Pkr-10,146.97'.
17:00-ND BOP NU Cameron wellhead, 7 1/16 10K x 2 9/16 5k master valves, flow tee, 2-9/16 5k wing/ Accumulator 5k flange, 2-9/16 Hi/low shut-in, 5k top cap valve. Hanger Cameron 7 1/16 x 2-7/8 7C-1A_EN Total tbg on location 325 jts. Ran 320 jt 5 jt on location.
18:00 - Ru Pressure Data. 108" slick line TIH with 1.81" chisel. BHA = 18.94' Pressured tbg to 1500 psi Broke disc Pressure lost to 1200 psi. Cycled thru disc area until clean.
19:00 RD Wireline, Hooked up Flow Line. Opened well to flow back tank. Well Flowing to tank.
21:15-Turned thru test separator.
6:00 Flowback Operations. Total hours flowed 821 FCP =375 psi on 20/64" Choke. Total Oil Recovered 7056 bbls
Total Wtr Recovered 34,163 Bbl of 73,258 bbl Total Frac Load. TLTR -39,095-47% of Total Fluid Pumped.
28 BWPH, 11 BOPH Recovering load water (32,000 Chlor/Ph 8.0)- Oil Gravity @ 46, No Sand indicated
Daily recovery 410 bbls Wtr. Daily Oil 74 Bbls. Daily Gas Avg.=389 Mcf. Flaring Gas

From 6:00 To 17:00	11	Category/Rmks: RUN TBG : Run 320 jts Tbg.
From 17:00 To	1 hrs	Category/Rmks: NU FRAC VALVE : ND Frac Stack Nu Tree. Break Disc
From 18:00 To 6:00	12	Category/Rmks: FLOW BACK : Flowback

Well Name : UNIVERSITY 19-17 1H

Prospect:	Sandridge	AFE #:	PB090711
Sec/Twp/Rge:	19 / /	Operator:	Energen
API #:	4247535889	Field:	PHANTOM
Work Type:	Completion	County , St.:	WARD, TX
Production Oil:	0 / 0	Gas:	0 / 0
		Water:	0 / 0

Date : **5/17/2013** Activity: Flow Test Rig Name: Days : 300

Daily Report Summary : Daily Fluid Recovery
Choke = 22/64" @ 725 FCP
OIL
Hourly = 9 (Bbl)
Daily Oil = 225 "
Total Oil = 7281 "
Daily Oil Sales = 367.81 bbls
Total Oil Sales = 7029.60Bbls.
LOAD WATER
Hourly = 24 (Bbls)
Daily Wtr = 684 "
Total Wtr = 34,847 "
Total Load to Recover 38,411 Bbl. 48 % of load recovered
Gas
Last 24 hrs Avg Gas Flared 451 (Mcf Flared)
Flowing thru Production Equipment@ 9 am

Daily Report Detail: 06:00 Flowback Operations.Total hours flowed 845 FCP =725 psi on 22/64" Choke. Total Oil Recovered 7272Bbls
Total Wtr Recovered 34,847 Bbl of 73,258 bbls Total Frac Load. TLTR is 38,411- 48% of Total Fluid Pumped.
24 BWPH, 9 BOPH Recovering load water (32000 Chlor/PH 8.0) - Oil Gravity@ Sales 46, No Sand indicated
Daily recovery 684 bbls Wtr. Daily Oil 225 Bbls. Daily Gas Avg.= 451 Mcfd. Flaring Gas.
Daily oil sales =367.81 #1202059 = 183.56 #1201029= 184.25
Total Oil Sales= 7029.6 bbls
Flowing Thru Production Equipment@ 9am

From 6:00 To 6:00 24 Category/Rmks: FLOW BACK : Flowback Frac Load and Test
Date : **5/18/2013** Activity: Flow Back Rig Name: Days : 301

Daily Report Summary : Daily Fluid Recovery
Choke = 22/64" @ 625 FCP
OIL
Hourly = 8 (Bbl)
Daily Oil = 210 "
Total Oil = 7491 "
Daily Oil Sales = 0 bbls
Total Oil Sales = 7029.60Bbls.
LOAD WATER
Hourly = 23 (Bbls)
Daily Wtr = 608 "
Total Wtr = 35,455 "
Total Load to Recover 37,803 Bbl. 48 % of load recovered
Gas
Last 24 hrs Avg Gas Flared 362 (Mcf Flared)
FINAL REPORT TURNED OVER TO MIDLAND PRODUCTIN 6:00 5-18-13
All rental equipment released

Daily Report Detail: 06:00 Flowback Operations.Total hours flowed 869 FCP =625 psi on 22/64" Choke. Total Oil Recovered 7491Bbls
Total Wtr Recovered 35,455 Bbl of 73,258 bbls Total Frac Load. TLTR is 37,803- 48% of Total Fluid Pumped.
23 BWPH, 8 BOPH Recovering load water (32000 Chlor/PH 8.0) - Oil Gravity@ Sales 46, No Sand indicated
Daily recovery 608 bbls Wtr. Daily Oil 210 . Daily Gas Avg.= 362 Mcfd. Flaring Gas.
Daily oil sales =0
Total Oil Sales= 7029.6 bbls.
FINAL REPORT TURNED OVER TO MIDLAND PRODUCTIN 6:00 5-18-13 All rental equipment released.

From 6:00 To 6:00 24 Category/Rmks: FLOW BACK : Flowback Final report
Page 57 of 58 **Powered by Production Access**

12/13/2013 06:26 PM

Well Name : UNIVERSITY 19-17 1H

Prospect:
Sec/Twp/Rge:
API #: 4247535889
Work Type: Completion
Production Oil:

Sandridge
19 / /
Field: PHANTOM
County, St.: WARD, TX
Gas: 0 / 0

AFE #: PB090711
Operator: Energen
Supervisor:
Phone:
Water: 0 / 0

Casing									
DateIn	Setting Depth	Jts Run	Type	Size	Weight	Grade	MINID	HoleDiam	TD
10/20/20	1386.18	32	1. Conductor	13.375	68	L-80	0	17.5	1400
Stage: 1, Lead, 0, 750, C w4%D020,3pps D042,.2% d046,.125pps D130, 5% D044, Class C, 1.81, 13.5									
Stage: 1, Tail, 0, 300, C w3pps D042, .125pps, d130,.2% D046,.2% D065, Class C, 1.34, 14.8									
10/31/20	8050.98	187	4. Intermediate	10.75	55.5	L-80	0	12.25	0
Stage: 1, Lead, 0, 1220, 50/50 POZ "H", Pozmix, 2.36, 11.9									
Stage: 1, Tail, , 400, PVL, Other, 1.36, 13.2									
Stage: 1, , 0, , , , ,									
Stage: 1, , 0, , , , ,									
Stage: 2, Lead, 0, 1325, 50/50 POZ "H", Pozmix, 2.35, 11.9									
Stage: 2, Tail, 0, 200, PVL, Other, 1.36, 13.2									
11/27/20	11688.87	286	5. Production	7	29	P-110	0	0	0
Stage: 1, Spacer, 20, 0, CW - 100, , 0, 0									
Stage: 1, Spacer, 20, 0, FRESH WATER, , 0, 0									
Stage: 1, Lead, 0, 900, 8% D020+5%BWOW+D044+.05% D208+.2% D046+.2% D065+.3% D201, 50/50 POZ "H", 2.44, 11.9									
Stage: 1, Tail, 0, 850, .4% D201+.2% D065+4% D207+3PPS D042+.2% D046+.125 PPS D130, TXI, 1.36, 13.2									
Stage: 1, Displacement, 430, 0, FRESH WAQTER, , 0, 0									
7/9/2012	15527.77	113	6. Liner	4.5	11.6		0	6.125	15529
Stage: 1, Lead, 0, 600, , Class H, 1.11, 16.2									
12/24/20	15582.09	121	6. Liner	4.5	11.6	P-110	0	6.125	15605