

## 1 General

### 1.1 Customer Information

Company	PICEANCE VLY
Representative	
Address	

### 1.2 Well Information

Well	RWF 12-36		
Project	RU 36-06S-094W	Site	GV 15-36 Pad
Rig Name/No.	SSD/576	Event	DRILLING
Start Date	3/12/2012	End Date	3/21/2012
Spud Date	3/12/2012	UWI	RWF 12-36
Active Datum	KB @6,413.0ft (above Mean Sea Level)		

## 2 Summary

### 2.1 Operation Summary

Date	Time Start-End	Duration (hr)	Phase	Code	Sub	Class	MD From (ft)	Operation
3/12/2012	0:00 4:00	4.00		01	02	P		SKID F/RWF 412-36 TO RWF 12-36 RIG UP PREPAIR TO DRILL
	4:00 5:00	1.00		06	07	P		P/U BHA & TOOLS
	5:00 6:00	1.00		02	01	P	86.0	SPUD DRILLING
	6:00 6:30	0.50		06	01	P		INSTALL GYRO
	6:30 11:00	4.50		02	01	P	123.0	DIRECTIONAL DRILLING
	11:00 11:30	0.50		20		T		SURVEY TROUBLE SHOOT
	11:30 15:00	3.50		06	03	T		NO SURVEY W/GYRO TRIP OUT XO GYRO ( FOUND OBSTRUCTION ON TOP OF HANG OFF)
	15:00 18:00	3.00		02	01	P	275.0	DIRECTIONAL DRILLING
	18:00 20:30	2.50		06	01	P		TRIP OUT FOR PDC, PULL GYRO INSTALL MWD
	20:30 22:30	2.00		05	01	P		MIX GEL RAISE VIS DUE TO HOLE FILL
	22:30 23:00	0.50		03		P		WASH TO BTM
	23:00 0:00	1.00		02	01	P	392.0	DIRECTIONAL DRILLING
3/13/2012	0:00 8:00	8.00		02	01	P	486.0	DIRECTIONAL DRILLING SURFACE TD.
	8:00 8:30	0.50		05	01	P		CIRCULATE
	8:30 9:30	1.00		06	05	P		TRIP OUT
	9:30 10:00	0.50		06	07	P		LD/MWD DRAIN MTR STAND BACK
	10:00 10:30	0.50		12	01	P		SM/ RIG UP CASEING EQUIPMENT
	10:30 13:00	2.50		12	02	P		RUN SURFACE, RAN 25 JTS. OF 9.625 32.30 LB/FT EVERAZ H-40 ST&C AND 1 JT. OF 9.625 36 LB/FT EVERAZ J-55 ST&C SURFACE CASING. GUIDE SHOE SET AT 1148' BAFFLE PLATE AT 1104'. USED 8 CENTRALIZERS INSTALLED 1ST THREE THEN EVERY 3RD JT.TILL GONE USED 2 TURBOLIZERS RAN WEATHERFORD EQUIPMENT - GUIDE SHOE AND BAFFLE PLATE.
	13:00 13:30	0.50		05	01	P		CIRCULATE SURFACE CASING SM/W HALLIBURTON & RIG CREW

## 2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Code	Sub	Class	MD From (ft)	Operation
3/14/2012	13:30 14:30	1.00		12	02	P		HOOK UP LINES TO CMT HEAD AND CEMENT W/ 20 BBL OF H2O SPACER AHEAD OF 67.8 BBL, 160 SK OF 12.3#, 2.38 YIELD, 13.75 GAL/SK, TYPE I/II LEAD CEMENT FOLLOWED BY 60.1 BBL, 160 SK OF 12.8#, 2.11 YIELD, 11.75 GAL/SK, TYPE I/II TAIL CEMENT. 2 % CAL SEAL, 2 % ECONOLIGHT, .3 % VERSASET, 5.64 LB/SK SALT, .125 LB/SK POL-E-FLAKE, .25% FDP C99-10 . DISPLACED WITH 81.5 BBLS @ 10 BBLS / MIN. 10 BBLS. @ 2 BBLS / MIN. BUMPED PLUG W/ 834 PSI. HELD FLOATS FOR 3 MIN. THEN RELEASED PRESSURE, FLOATS HELD. 20 BBLS CEMENT TO SURFACE, GOOD RETURNS THROUGH OUT THE JOB. RAN WEATHERFORD EQUIPMENT (BAFFLE PLATE AND GUIDE SHOE). CEMENT FELL 5'
	14:30 18:30	4.00		13		P		WAIT ON CEMENT
	18:30 19:30	1.00		14		P		NIPPLE UP
	19:30 23:00	3.50		15		P		TEST B.O.P. TEST ALL RAMS & CHOKES 3000 PSI 10 MIN, UPPER AND LOWER KELLY, SAFETY VALVES, AND MANIFOLD, KILL LINECHOKE LINE, MAN CHOKE 500 PSI 10 MIN, ANN 1500 PSI 10 MIN, TEST CASING @ 1050 PSI 30 MIN=1500 PSI.
	23:00 23:30	0.50		26		P		INSTALL WEAR BUSHING
	23:30 0:00	0.50		06	07	P		PICK UP TOOLS
	0:00 1:30	1.50		06	07	P		PICK UP TOOLS NEW MTR MAKE UP BIT
	1:30 2:00	0.50		06	06	P		TRIP IN
	2:00 2:30	0.50		02	01	P		DRILL CEMENT AND EQUIPMENTW 10' NEW FORMATION.
	2:30 3:00	0.50		25		P		FIT, 250 PSI @9.7 15 MIN 13.8 EMW
3/15/2012	3:00 16:30	13.50		02	01	P	1,167.0	DIRECTIONAL DRILLING
	16:30 17:00	0.50		07		P		RIG SERVICE
	17:00 0:00	7.00		02	01	P	2,652.0	DIRECTIONAL DRILLING
	0:00 6:00	6.00		02	01	P	3,506.0	DIRECTIONAL DRILLING
	6:00 6:30	0.50		05	01	P		CIRCULATE BTMS UP
	6:30 9:00	2.50		06	08	P		TRIP THROUGH G SANDS TO SHOE.
	9:00 10:30	1.50		06	08	P		TRIP IN
	10:30 15:30	5.00		02	01	P	4,078.0	DIRECTIONAL DRILLING
	15:30 16:00	0.50		07		P		RIG SERVICE
	16:00 20:00	4.00		02	01	P	4,457.0	DIRECTIONAL DRILLING
3/16/2012	20:00 21:30	1.50		05	02	T		LOST CIRCULATION SPOT 30% LCM WORK PIPE BUILD 25% LCM IN ACTIVE SYSTEM BYPASS SHAKERS ( LOST 150 BBLS)
	21:30 0:00	2.50		02	01	P	4,806.0	DIRECTIONAL DRILLING
	0:00 8:00	8.00		02	01	P	4,937.0	DIRECTIONAL DRILLING
	8:00 9:00	1.00		05	02	T		LOST RETURNS MIX 30 % LCM SWEEP AND SPOT REGAINED RETURNS LOST 80 BBLS
	9:00 15:30	6.50		02	01	P	5,331.0	DIRECTIONAL DRILLING
	15:30 16:00	0.50		07		P		RIG SERVICE
	16:00 23:30	7.50		02	01	P	5,602.0	DIRECTIONAL DRILLING
	23:30 0:00	0.50		05	01	P		CIRCULATE MIX SLUG
	0:00 3:30	3.50		06	01	P		TRIP OUT FOR BIT # 4
	3:30 4:00	0.50		06	01	P		CHANGE OUT BIT CHECK M MTR
3/17/2012	4:00 8:00	4.00		06	01	P		TRIP IN
	8:00 16:30	8.50		02	01	P	5,929.0	DIRECTIONAL DRILLING
	16:30 16:30	0.00		07		P		RIG SERVICE
	16:30 0:00	7.50		02	01	P	6,176.0	DIRECTIONAL DRILLING
	0:00 17:00	17.00		02	01	P	6,615.0	DIRECTIONAL DRILLING
	17:00 17:30	0.50		07		P		RIG SERVICE
	17:30 18:00	0.50		02	01	P	7,320.0	DIRECTIONAL DRILLING (SLIDING)
	18:00 18:30	0.50		05	01	T		CIRCULATE BTMS UP PREPARE TO PULL 5 STDS FOR ENCODER REPLACEMENT. TOP DRIVE
	18:30 21:00	2.50		08	03	T		TROUBLE SHOOT ENCODER FOUND LOSE CONNECTION.

## 2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Code	Sub	Class	MD From (ft)	Operation
3/19/2012	21:00 21:30	0.50		06	06	P		TRIP IN OUT 5 STDS
	21:30 0:00	2.50		02	01	P	7,334.0	DIRECTIONAL DRILLING
	0:00 15:30	15.50		02	01	P	7,420.0	DIRECTIONAL DRILLING
	15:30 16:00	0.50		07		P		RIG SERVICE
3/20/2012	16:00 0:00	8.00		02	01	P	7,891.0	DIRECTIONAL DRILLING
	0:00 0:30	0.50		05	01	P		CIRCULATE GAS OUT
	0:30 1:00	0.50		06	06	T		PULL 5 STDS
	1:00 4:30	3.50		08	01	T		WORK ON PUMPS CHANGE OUT VALVES & SEATS
3/21/2012	4:30 5:00	0.50		06	06	P		TRIP IN 5 STDS
	5:00 21:30	16.50		02	01	P	8,086.0	DIRECTIONAL DRILLING TD geologist Tarin
	21:30 23:30	2.00		05	01	P		CIRCULATE GAS OUT
	23:30 0:00	0.50		06	05	P		TRIP OUT FOR PRODUCTION CASING.
	0:00 1:30	1.50		06	05	P		TRIP OUT OF HOLE
	1:30 2:30	1.00		06	06	U		WORK TIGHT HOLE 4786'
	2:30 7:30	5.00		06	05	P		TRIP OUT OF HOLE
	7:30 8:00	0.50		26		P		PULL WEAR BUSHING
	8:00 8:30	0.50		12	01	P		RIG UP CASING CREW AND HELD SAFETY MEETING
	8:30 14:30	6.00		12	02	P		RAN197 JTS. OF EVRAZ E 80 WITH A MARKER JT. @ # 75, SHOE DEPTH8698', FLOAT COLLAR DEPTH 8667'. RAN 30 CENTRALIZERS @8683, 8639,8595, THEN EVERT 3RD JT, USED WEATHERFORD FLOAT EQUIPMENT; FLOAT SHOE AND FLOAT COLLAR (BALL DROP). HAD FULL RETURNS THROUGHOUT THE JOB.
	14:30 16:30	2.00		05	01	P		CIRCULATE CASING
	16:30 18:00	1.50		12	02	P		PUMP 10 BBLS FRESH WATER SPACER,PUMP 277 SKS/HALCEM (TM) CEMENT 12.7 PPG,1.81 YIELD, 9.63 GAL/SK PUMPED 950 SKS, VARICEM(TM) 14.2 PPG,1.33 YIELD,5.79 GAL/SK WASH UP, DROP PLUG DISPLACE 124.4 BBLS KCL WATER, BUMP PLUG W 2800 PSI @ 4 BBLS MIN. FLOATS HELD, FULL RETURNES
	18:00 18:30	0.50		12	01	P		RIG DOWN CEMENTERS
	18:30 19:30	1.00		14		P		NIPPLE DOWN BOP SET CASING SLIPS WITH 90K, CUT OFF CASING RIG RELEASED AT 19:30 3/21/12

## 1 General

### 1.1 Customer Information

Company	PICEANCE VLY
Representative	
Address	

### 1.2 Well Information

Well	RWF 12-36		
Project	RU 36-06S-094W	Site	GV 15-36 Pad
Rig Name/No.		Event	COMPLETION
Start Date	4/7/2012	End Date	
Spud Date	3/12/2012	UWI	RWF 12-36
Active Datum	KB @6,413.0ft (above Mean Sea Level)		

## 2 Summary

### 2.1 Operation Summary

Date	Time Start-End	Duration (hr)	Phase	Code	Sub	Class	MD From (ft)	Operation
4/8/2012	0:00 0:00	24.00		LOG	01	P		Run CBL and RPM log
4/16/2012	0:00 0:00	0.00		LOC	01	P		4-16-2012 Badger-Clean out Cellar RSI - Install wellheads Cameron - Install wellheads, NU frac Trees and test Pure- RU flowback Iron  4/17/12 WSWS- Test Csg and Frac Trees to 7000 psi and hold 15 min, test Flowback Iron to 4500 psi RSI- Back Fill Cellar Box Badger- C/O FB tanks
4/18/2012	0:00 14:30	14.50		WSI	01	P		WSI waiting to perf
	14:30 15:30	1.00		PERF	01	P	8,223.0	Perf Lower Cameo, 22 holes, 6 Intervals
	15:30 0:00	8.50		WSI	01	P		WSI waiting to frac
4/19/2012	0:00 0:00	24.00		WSI	01	P		WSI waiting to frac
4/20/2012	0:00 11:27	11.45		WSI	01	P		WSI waiting to frac
	11:27 13:00	1.55		STIM	01	P	8,223.0	Frac Lower Cameo
	13:00 14:00	1.00		PERF	01	P	7,943.0	Set CFP @ 8191', Perf Cameo, 20 holes, 5 Intervals
	14:00 15:03	1.05		WSI	01	P		WSI waiting to frac
	15:03 16:30	1.45		STIM	01	P	7,943.0	Frac Cameo, screened out 84 bbls into flush, 80 sks left in wellbore
	16:30 0:00	7.50		PROD	01	P		Forced closed on 20/64 choke, Flowing to tanks
4/21/2012	0:00 4:30	4.50		PROD	01	P		Flowing to sales on 20/64 choke, 1750 psi
	4:30 7:00	2.50		WSI	01	P		WSI waiting to perf
	7:00 8:15	1.25		PERF	01	P	7,688.0	Set CFP @ 7907', Perf MV I, 20 holes, 6 Intervals
	8:15 8:24	0.15		WSI	01	P		WSI waiting to frac
	8:24 9:52	1.47		STIM	01	P	7,688.0	Frac MV I
	9:52 10:45	0.88		PERF	01	P	7,301.0	Set CFP @ 7569', Perf MV II, 18 holes, 5 Intervals
	10:45 11:25	0.67		WSI	01	P		WSI to frac
	11:25 12:32	1.12		STIM	01	P	7,301.0	Frac MV II
	12:32 0:00	11.47		PROD	01	P		Forced Closed on 20/64 choke, flowing to tanks
4/22/2012	0:00 0:00	24.00		PROD	02	P		Flowing to sales on 20/64 choke, 1900 psi
4/23/2012	0:00 4:30	4.50		PROD	02	P		Flowing to sales on 20/64, 2000 psi
	4:30 7:30	3.00		WSI	01	P		WSI waiting to perf
	7:30 8:45	1.25		PERF	01	P	6,955.0	Set CFP @ 7228', Perf MV III, 23 holes, 7 Intervals
	8:45 9:43	0.97		WSI	01	P		WSI waiting to frac
	9:43 11:02	1.32		STIM	01	P	6,955.0	Frac MV III

## 2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Code	Sub	Class	MD From (ft)	Operation
	11:02 12:50	1.80		PERF	01	P	6,756.0	Set CFP @ 6907', Bottom 2 shots go, then gun shorts out, POOH repair gun, RIH finish perfring MV IV, 20 holes 5 Intervals
	12:50 13:18	0.47		WSI	01	P		WSI waiting to frac
	13:18 14:31	1.22		STIM	01	P	6,756.0	Frac MV 4
	14:31 0:00	9.48		PROD	01	P		Forced Closed on 20/64 choke, flowing to tanks
4/24/2012	0:00 5:00	5.00		PROD	02	P		Flowing to sales on 20/64 choke @ 1800 psi
	5:00 6:00	1.00		WSI	01	P		WSI waiting to set kill plug
	6:00 6:45	0.75		PLUG	02	P		MIRU Pure WL, RIH to 5512' and set Baker Composite kill plug
	6:45 0:00	17.25		WSI	01	P		WSI waiting drillout
4/25/2012	0:00 12:30	12.50		WSI	01	P		WSI waiting drillout
	12:30 14:00	1.50		MIRU	03	P		MIRU RPS #1, ND Frac Tree, NU BOP's, pressure test
	14:00 16:50	2.83		RIH	01	P	5,512.0	Strap, P/U tbg and RIH to top of Kill Plug, POOH 2 jts and secure well
	16:50 0:00	7.17		WSI	03	P		SIFN
4/26/2012	0:00 6:30	6.50		WSI	03	P		SIFN
	6:30 6:50	0.33		MIRU	03	P		Hold safety meeting and pump tbg capacity
	6:50 7:00	0.17		RIH	01	P		Strap, P/U tbg, RIH to KP, MU swivel
	7:00 7:15	0.25		DOP	04	P	5,512.0	Drill Kill Plug @ 5512' 2000 psi, 0 fill
	7:15 7:40	0.42		RIH	01	P	6,907.0	RIH to 1st CFP @ 6907', MU swivel
	7:40 8:02	0.37		DOP	04	P	6,907.0	Drill 1st CFP @ 6907', 2000 psi, 0 fill
	8:02 8:15	0.22		RIH	01	P	7,228.0	RIH to 2nd CFP @ 7228'
	8:15 8:35	0.33		DOP	04	P	7,228.0	Drill 2nd CFP @ 7228', 1500 psi, 0 fill
	8:35 8:42	0.12		RIH	01	P	7,569.0	RIH to 3rd CFP @ 7569'
	8:42 9:00	0.30		DOP	04	P	7,569.0	Drill 3rd CFP @ 7569', 1500 psi, 0 fill
	9:00 9:15	0.25		RIH	01	P	7,904.0	RIH to 4th CFP @ 7904'
	9:15 9:32	0.28		DOP	04	P	7,904.0	Drill 4th CFP @ 7904', 1800 psi, 0 fill
	9:32 9:40	0.13		RIH	01	P	8,191.0	RIH to 5th CFP @ 8191'
	9:40 9:55	0.25		DOP	04	P	8,191.0	Drill 5th CFP @ 8191', 1500 psi, 0 fill
	9:55 10:15	0.33		RIH	01	P	8,595.0	RIH to 8595' tag fill, begin washing down to Float Collar
	10:15 10:25	0.17		DOP	02	P	8,667.0	Clean out fill to 8667', pump 20 bbl sweep
	10:25 10:40	0.25		POOH	01	P	8,251.0	Hang swivel back and POOH to landing depth 8251" (252 jts)
	10:40 11:10	0.50		RIH	02	P		Install tbg hanger
	11:10 13:30	2.33		RDMO	01	P		ND BOP's, NU Wellhead, pump off bit @ 3500 psi.
	13:30 14:00	0.50		MIRU	02	P		Rig Pure to tbg
4/27/2012	14:00 0:00	10.00		PROD	02	P		Flowing to sales on 20/64 choke @ 3000 psi csg, 1.976 mmscfd gas, ~120.2 bph water
	0:00 0:00	24.00		PROD	02	P		Flowing to sales on 20/64 choke @ 2650 psi csg, 2.228 mmscfd gas, ~33.9 bph water
	0:00 0:00	24.00		PROD	02	P		Flowing to sales on 20/64 choke @ 2425 psi csg, 2.285 mmscfd gas, ~24.6 bph water
	0:00 0:00	24.00		PROD	02	P		Flowing to sales on 20/64 choke @ 2250 psi csg, 2.283 mmscfd gas, ~20 bph water
4/30/2012	0:00 0:00	24.00		PROD	02	P		Flowing to sales on 20/64 choke @ 2050 psi csg, 2.266 mmscfd gas, ~15 bph water
5/1/2012	0:00 0:00	24.00		PROD	02	P		Flowing to sales on 20/64 choke @ 2000 psi csg, 2.785 mmscfd gas, ~11.4 bph water, 19 bbls condensate
5/2/2012	0:00 0:00	24.00		PROD	02	P		Flowing to sales on 20/64 choke @ 1875 psi csg, 2.256 mmscd gas, ~10.5 bph water, 23 bbls condensate
5/3/2012	0:00 8:00	8.00		PROD	02	P		Flowing to sales on 20/64 choke @ 1875 psi csg, 2.256 mmscd gas, ~10.5 bph water, 23 bbls condensate. Turnover to final sales.

## 1 General

### 1.1 Customer Information

Company	PICEANCE VLY
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### 1.2 Well Information

Well	RWF 12-36	Wellbore No.	
Well Name	RWF 12-36	Common Name	RWF 12-36
Project	RU 36-06S-094W	Site	GV 15-36 Pad
Vertical Section Azimuth	223.05 (°)	North Reference	True
Origin N/S		Origin E/W	
Spud Date	3/12/2012	UWI	RWF 12-36
Active Datum	KB @6,413.0ft (above Mean Sea Level)		

## 2 Survey Name

### 2.1 Survey Name: Survey #1

Survey Name	Survey #1	Company	SCIENTIFIC
Date Started	3/12/2012	Ended	
Tool Name	MWD	Engineer	

#### 2.1.1 Tie On Point

MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)
0.0	0.00	0.00	0.00	0.00	0.00

#### 2.1.2 Survey Stations

Date	Type	MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLS (°/100ft)	Build Rate (°/100ft)	Turn (°/100ft)	TFace (°)
3/12/2012	Tie On	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/12/2012	NORMAL	84.0	0.26	281.78	84.00	0.04	-0.19	0.10	0.31	0.31	0.00	281.78
	NORMAL	178.0	1.85	269.65	177.98	0.07	-1.91	1.25	1.70	1.69	-12.90	345.91
	NORMAL	269.0	3.52	229.66	268.88	-1.74	-5.51	5.04	2.65	1.84	-43.95	290.55
	NORMAL	330.0	5.28	219.37	329.70	-5.13	-8.72	9.70	3.15	2.89	-16.87	330.65
	NORMAL	431.0	7.03	219.45	430.12	-13.49	-15.59	20.51	1.73	1.73	0.08	0.32
3/13/2012	NORMAL	522.0	8.50	222.16	520.28	-22.78	-23.65	32.79	1.66	1.62	2.98	15.33
	NORMAL	614.0	9.71	225.75	611.12	-33.23	-33.77	47.34	1.45	1.32	3.90	26.93
	NORMAL	705.0	10.50	225.67	700.71	-44.38	-45.20	63.29	0.87	0.87	-0.09	358.94
	NORMAL	796.0	10.55	218.33	790.18	-56.71	-56.30	79.87	1.47	0.05	-8.07	268.52
	NORMAL	888.0	9.30	216.10	880.80	-69.33	-65.90	95.65	1.42	-1.36	-2.42	196.00
	NORMAL	980.0	10.20	216.46	971.47	-81.88	-75.12	111.12	0.98	0.98	0.39	4.05
	NORMAL	1,075.0	9.06	220.59	1,065.13	-94.33	-84.99	126.95	1.40	-1.20	4.35	150.81
	NORMAL	1,111.0	9.34	220.06	1,100.67	-98.72	-88.71	132.70	0.81	0.78	-1.47	342.90
3/14/2012	NORMAL	1,199.0	9.67	224.19	1,187.46	-109.48	-98.46	147.22	0.86	0.38	4.69	66.23
	NORMAL	1,262.0	9.58	224.48	1,249.58	-117.02	-105.82	157.75	0.16	-0.14	0.46	151.83
	NORMAL	1,358.0	9.18	225.34	1,344.29	-128.10	-116.86	173.39	0.44	-0.42	0.90	161.11
	NORMAL	1,453.0	10.64	221.12	1,437.87	-140.03	-128.02	189.72	1.72	1.54	-4.44	331.46
	NORMAL	1,549.0	10.82	220.15	1,532.20	-153.60	-139.66	207.58	0.27	0.19	-1.01	314.43
	NORMAL	1,645.0	10.26	228.77	1,626.58	-166.12	-151.90	225.09	1.74	-0.58	8.98	113.76
	NORMAL	1,740.0	10.02	226.64	1,720.10	-177.37	-164.27	241.75	0.47	-0.25	-2.24	236.34

## 2.1.2 Survey Stations (Continued)

Date	Type	MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLS (°/100ft)	Build Rate (°/100ft)	Turn (°/100ft)	TFace (°)
3/14/2012	NORMAL	1,836.0	10.29	228.59	1,814.59	-188.78	-176.78	258.62	0.46	0.28	2.03	52.82
	NORMAL	1,930.0	8.79	226.13	1,907.29	-199.31	-188.25	274.15	1.65	-1.60	-2.62	194.00
	NORMAL	2,025.0	8.46	224.03	2,001.22	-209.36	-198.34	288.39	0.48	-0.35	-2.21	222.63
	NORMAL	2,121.0	8.53	224.81	2,096.16	-219.49	-208.27	302.57	0.14	0.07	0.81	59.11
	NORMAL	2,216.0	8.54	221.11	2,190.11	-229.80	-217.87	316.66	0.58	0.01	-3.89	269.21
	NORMAL	2,312.0	8.10	219.41	2,285.10	-240.40	-226.85	330.53	0.53	-0.46	-1.77	208.37
	NORMAL	2,408.0	9.29	221.40	2,380.00	-251.44	-236.27	345.03	1.28	1.24	2.07	15.17
	NORMAL	2,502.0	8.79	220.15	2,472.83	-262.62	-245.92	359.78	0.57	-0.53	-1.33	200.83
	NORMAL	2,596.0	9.94	220.41	2,565.58	-274.29	-255.81	375.06	1.22	1.22	0.28	2.24
	NORMAL	2,691.0	9.85	221.74	2,659.16	-286.59	-266.53	391.38	0.26	-0.09	1.40	112.15
	NORMAL	2,786.0	9.82	223.72	2,752.77	-298.51	-277.54	407.60	0.36	-0.03	2.08	96.04
	NORMAL	2,882.0	9.61	223.36	2,847.39	-310.26	-288.70	423.80	0.23	-0.22	-0.38	195.96
	NORMAL	2,977.0	9.49	222.77	2,941.07	-321.77	-299.46	439.56	0.16	-0.13	-0.62	218.91
	NORMAL	3,071.0	8.83	221.42	3,033.87	-332.87	-309.50	454.52	0.74	-0.70	-1.44	197.37
	NORMAL	3,163.0	10.35	223.45	3,124.59	-344.16	-319.86	469.85	1.69	1.65	2.21	13.55
	NORMAL	3,259.0	10.58	223.06	3,218.99	-356.86	-331.80	487.28	0.25	0.24	-0.41	342.69
	NORMAL	3,354.0	10.30	220.83	3,312.42	-369.66	-343.31	504.49	0.52	-0.29	-2.35	234.19
	NORMAL	3,450.0	10.27	221.65	3,406.87	-382.55	-354.61	521.62	0.16	-0.03	0.85	101.98
	NORMAL	3,545.0	10.16	220.58	3,500.37	-395.24	-365.69	538.46	0.23	-0.12	-1.13	239.37
3/15/2012	NORMAL	3,641.0	10.03	226.98	3,594.89	-407.38	-377.31	555.26	1.18	-0.14	6.67	99.75
	NORMAL	3,736.0	10.08	226.32	3,688.43	-418.76	-389.37	571.81	0.13	0.05	-0.69	293.13
	NORMAL	3,832.0	8.93	230.08	3,783.11	-429.35	-401.16	587.60	1.36	-1.20	3.92	153.48
	NORMAL	3,926.0	8.71	224.63	3,876.00	-439.09	-411.76	601.95	0.92	-0.23	-5.80	252.57
	NORMAL	4,021.0	8.44	223.31	3,969.94	-449.29	-421.59	616.11	0.35	-0.28	-1.39	215.44
	NORMAL	4,116.0	8.44	222.06	4,063.91	-459.54	-431.04	630.06	0.19	0.00	-1.32	269.38
	NORMAL	4,212.0	9.15	225.42	4,158.78	-470.12	-441.20	644.73	0.91	0.74	3.50	37.56
	NORMAL	4,307.0	9.29	222.73	4,252.55	-481.06	-451.78	659.94	0.48	0.15	-2.83	286.66
	NORMAL	4,401.0	9.47	225.10	4,345.30	-492.09	-462.41	675.26	0.45	0.19	2.52	66.19
	NORMAL	4,504.0	8.53	224.11	4,447.03	-503.56	-473.73	691.36	0.92	-0.91	-0.96	188.87
	NORMAL	4,590.0	8.46	224.03	4,532.08	-512.68	-482.57	704.06	0.08	-0.08	-0.09	189.54
	NORMAL	4,686.0	8.13	224.26	4,627.08	-522.62	-492.21	717.91	0.35	-0.34	0.24	174.37
	NORMAL	4,792.0	8.63	223.10	4,731.95	-533.80	-502.88	733.36	0.50	0.47	-1.09	340.74
	NORMAL	4,887.0	8.26	220.57	4,825.92	-544.19	-512.19	747.30	0.55	-0.39	-2.66	223.87
3/16/2012	NORMAL	4,973.0	9.44	225.17	4,910.89	-553.85	-521.20	760.52	1.60	1.37	5.35	33.24
	NORMAL	5,068.0	9.45	226.89	5,004.60	-564.67	-532.42	776.09	0.30	0.01	1.81	88.82
	NORMAL	5,164.0	7.72	225.79	5,099.52	-574.56	-542.80	790.40	1.81	-1.80	-1.15	184.88
	NORMAL	5,260.0	7.74	227.97	5,194.65	-583.38	-552.22	803.28	0.31	0.02	2.27	87.18
	NORMAL	5,355.0	6.82	223.65	5,288.89	-591.74	-560.87	815.29	1.13	-0.97	-4.55	208.62
	NORMAL	5,450.0	6.24	224.90	5,383.27	-599.48	-568.41	826.09	0.63	-0.61	1.32	166.85
	NORMAL	5,546.0	5.01	217.69	5,478.81	-606.50	-574.65	835.48	1.48	-1.28	-7.51	206.33
	NORMAL	5,641.0	2.86	213.20	5,573.58	-611.76	-578.49	841.95	2.28	-2.26	-4.73	185.92
	NORMAL	5,737.0	2.77	216.97	5,669.46	-615.62	-581.19	846.61	0.21	-0.09	3.93	117.80
	NORMAL	5,833.0	2.56	206.94	5,765.36	-619.38	-583.56	850.98	0.53	-0.22	-10.45	240.80
	NORMAL	5,928.0	2.79	214.42	5,860.26	-623.18	-585.83	855.30	0.44	0.24	7.87	60.39
3/17/2012	NORMAL	5,928.0	2.79	214.42	5,860.26	-623.18	-585.83	855.30	0.44	0.24	7.87	60.39
	NORMAL	6,023.0	1.41	210.65	5,955.19	-626.10	-587.73	858.73	1.46	-1.45	-3.97	183.83
	NORMAL	6,119.0	0.26	278.33	6,051.18	-627.08	-588.55	860.01	1.39	-1.20	70.50	169.60
	NORMAL	6,215.0	0.60	206.12	6,147.18	-627.50	-588.99	860.61	0.60	0.35	-75.22	262.36
	NORMAL	6,310.0	0.83	239.09	6,242.17	-628.30	-589.79	861.75	0.49	0.24	34.71	77.96
	NORMAL	6,406.0	0.88	343.56	6,338.16	-627.95	-590.60	862.05	1.41	0.05	108.82	140.93
	NORMAL	6,501.0	1.04	308.43	6,433.15	-626.71	-591.48	861.74	0.63	0.17	-36.98	267.19
	NORMAL	6,597.0	0.78	319.41	6,529.14	-625.68	-592.59	861.74	0.32	-0.27	11.44	151.56
3/18/2012	NORMAL	6,597.0	0.78	319.41	6,529.14	-625.68	-592.59	861.74	0.00	0.00	0.00	0.00
	NORMAL	6,692.0	0.62	311.27	6,624.13	-624.85	-593.40	861.69	0.20	-0.17	-8.57	207.84
	NORMAL	6,786.0	1.14	288.40	6,718.12	-624.22	-594.67	862.09	0.66	0.55	-24.33	314.17
	NORMAL	6,882.0	0.88	18.77	6,814.11	-623.22	-595.34	861.82	1.50	-0.27	94.14	142.47
	NORMAL	6,977.0	0.82	14.45	6,909.10	-621.87	-594.93	860.56	0.09	-0.06	-4.55	224.74

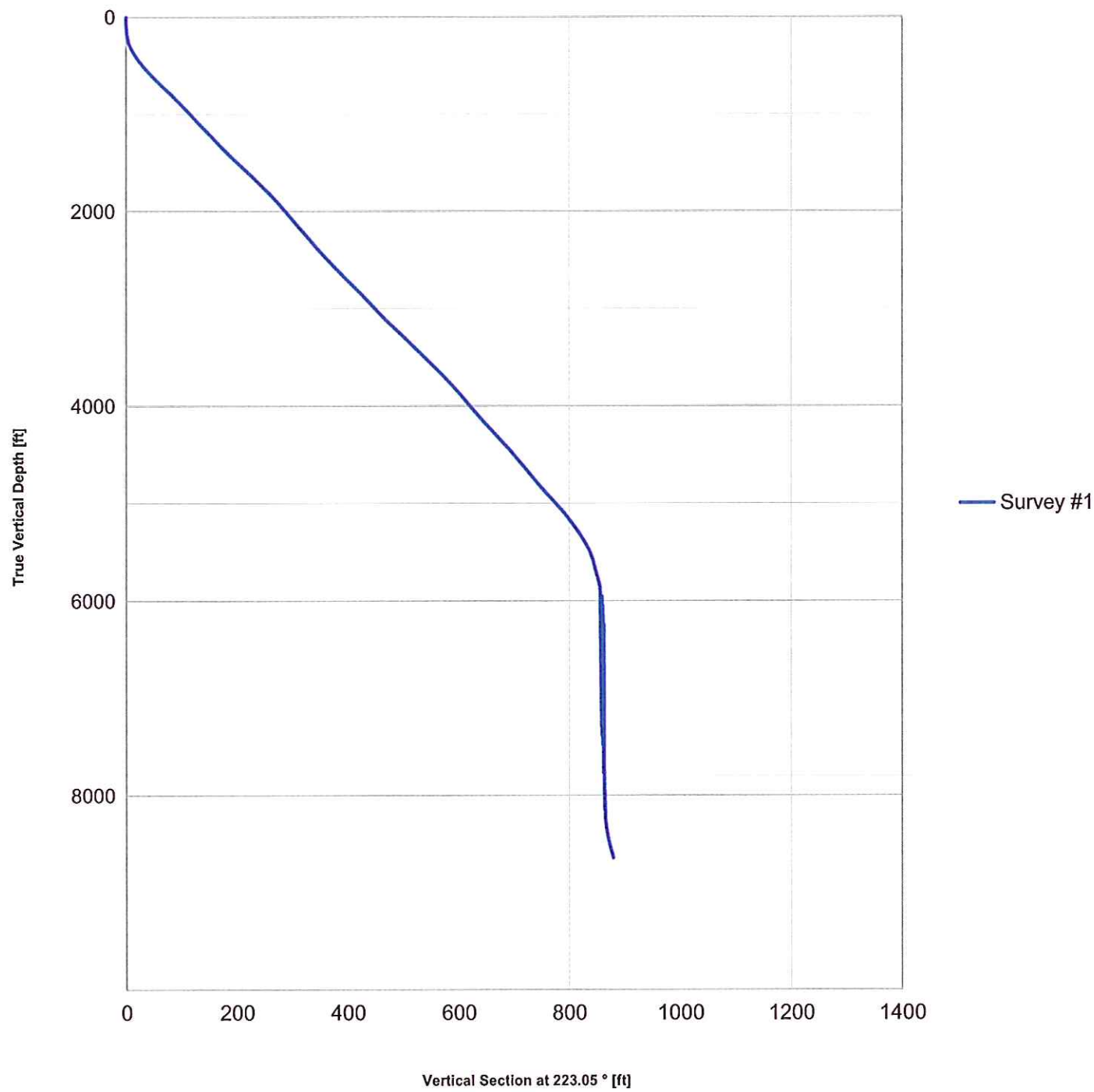
2184 FAL 1123 FAL

## 2.1.2 Survey Stations (Continued)

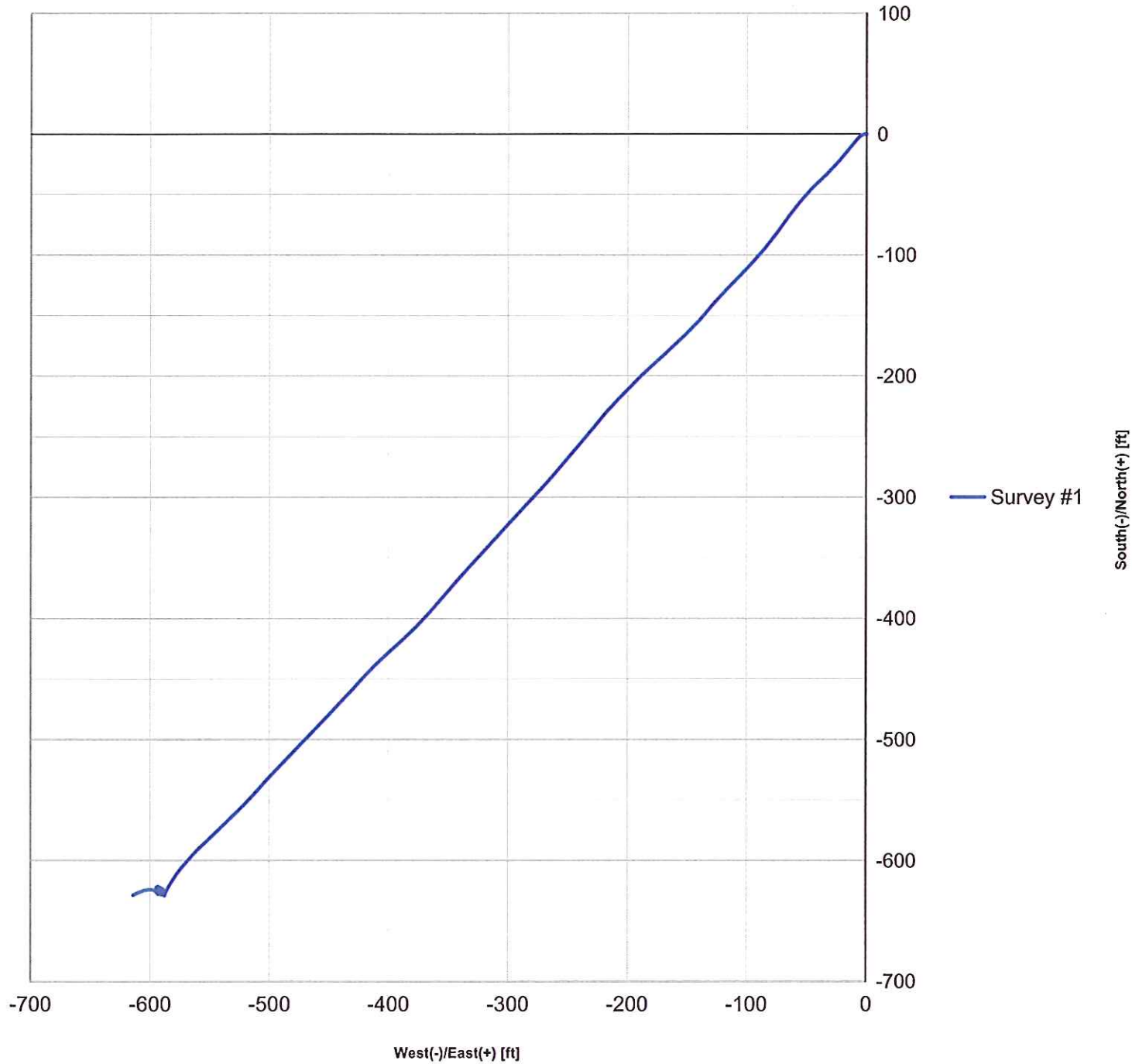
Date	Type	MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLS (°/100ft)	Build Rate (°/100ft)	Turn (°/100ft)	TFace (°)
3/18/2012	NORMAL	7,072.0	1.48	98.27	7,004.09	-621.39	-593.55	859.26	1.70	0.69	88.23	114.17
	NORMAL	7,168.0	1.13	124.09	7,100.06	-622.10	-591.54	858.41	0.70	-0.36	26.90	133.24
	NORMAL	7,262.0	1.47	120.56	7,194.04	-623.23	-589.73	858.00	0.37	0.36	-3.76	344.98
	NORMAL	7,358.0	1.22	138.48	7,290.01	-624.62	-587.99	857.83	0.51	-0.26	18.67	129.48
3/19/2012	NORMAL	7,452.0	1.13	181.41	7,383.99	-626.29	-587.35	858.62	0.92	-0.10	45.67	117.02
	NORMAL	7,548.0	1.06	208.90	7,479.98	-628.02	-587.80	860.19	0.55	-0.07	28.64	111.19
	NORMAL	7,643.0	0.31	192.94	7,574.97	-629.04	-588.29	861.26	0.81	-0.79	-16.80	186.38
	NORMAL	7,739.0	0.67	326.47	7,670.97	-628.82	-588.65	861.36	0.95	0.38	139.09	147.80
	NORMAL	7,834.0	0.76	279.95	7,765.96	-628.25	-589.58	861.57	0.60	0.09	-48.97	255.07
	NORMAL	7,930.0	1.34	267.98	7,861.94	-628.18	-591.33	862.71	0.64	0.60	-12.49	333.19
	NORMAL	8,024.0	1.49	290.31	7,955.92	-627.80	-593.58	863.96	0.60	0.16	23.78	86.15
3/20/2012	NORMAL	8,710.0	2.81	243.71	8,641.48	-628.63	-614.48	878.84	0.00	0.00	0.00	0.00
3/20/2012	NORMAL	8,119.0	1.38	337.46	8,050.89	-626.31	-595.17	863.97	1.21	-0.12	49.63	118.59
	NORMAL	8,213.0	1.23	298.81	8,144.87	-624.78	-596.49	863.75	0.93	-0.16	-41.12	241.37
	NORMAL	8,308.0	1.41	275.52	8,239.84	-624.18	-598.55	864.71	0.59	0.19	-24.52	276.67
	NORMAL	8,404.0	2.28	269.40	8,335.79	-624.08	-601.63	866.75	0.93	0.91	-6.38	344.17
	NORMAL	8,500.0	2.19	252.06	8,431.72	-624.67	-605.29	869.67	0.71	-0.09	-18.06	253.81
	NORMAL	8,595.0	2.99	247.31	8,526.62	-626.18	-609.30	873.52	0.87	0.84	-5.00	342.60
	NORMAL	8,654.0	2.81	243.71	8,585.55	-627.42	-612.02	876.27	0.43	-0.31	-6.10	223.55

3 Charts

3.1 Vertical Section View



3.2 Plan View



6/25/2012

## Allocated Daily Production

BASIN PICEANCE

Start Date 05/01/2012

FIELD RULISON

End Date 06/25/2012

WELL RWF 12-36

62253530

Production Date	MCF	MMBTU	Casing Press	Tubing Press	Hours On
5/1/2012	2,504.3	2,734.8	0.0	0.0	24
5/2/2012	1,964.4	2,145.3	0.0	0.0	19
5/3/2012	1,118.8	1,221.7	925.0	818.0	22
5/4/2012	1,195.0	1,305.0	2197.0	1916.0	24
5/5/2012	1,162.0	1,269.0	2188.0	1887.0	24
5/6/2012	1,136.8	1,241.4	2176.0	1861.0	24
5/7/2012	1,121.5	1,224.8	2163.0	1829.0	24
5/8/2012	1,106.2	1,208.1	2146.0	1803.0	24
5/9/2012	1,098.4	1,199.5	2131.0	1782.0	24
5/10/2012	1,088.1	1,188.3	2114.0	1769.0	24
5/11/2012	1,076.1	1,175.2	2099.0	1751.0	24
5/12/2012	1,060.9	1,158.6	2075.0	1728.0	24
5/13/2012	1,049.1	1,145.7	2058.0	1706.0	24
5/14/2012	1,054.9	1,152.1	2037.0	1698.0	24
5/15/2012	1,066.6	1,164.8	2014.0	1699.0	24
5/16/2012	1,067.5	1,165.7	1993.0	1703.0	24
5/17/2012	1,050.8	1,147.5	1974.0	1667.0	24
5/18/2012	1,041.4	1,137.3	1963.0	1648.0	24
5/19/2012	1,041.6	1,137.5	1947.0	1636.0	24
5/20/2012	1,036.1	1,131.5	1928.0	1626.0	24
5/21/2012	1,032.6	1,127.6	1910.0	1612.0	24
5/22/2012	1,026.4	1,120.9	1893.0	1602.0	24
5/23/2012	1,130.1	1,234.1	1863.0	1575.0	24
5/24/2012	1,101.7	1,203.1	1813.0	1504.0	24
5/25/2012	1,092.5	1,193.1	1785.0	1482.0	24
5/26/2012	1,084.6	1,184.4	1763.0	1465.0	24
5/27/2012	1,081.2	1,180.8	1741.0	1450.0	24
5/28/2012	1,075.5	1,174.5	1717.0	1443.0	24
5/29/2012	1,063.0	1,160.9	1697.0	1422.0	24
5/30/2012	1,056.2	1,153.5	1679.0	1409.0	24
5/31/2012	1,039.3	1,135.0	1661.0	1394.0	24
Total MCF	35,823.8	39,121.7	31	Days on production	

6/3/12  
Compl due

6/25/2012

**Allocated Daily Production****BASIN** PICEANCE**Start Date** 05/01/2012**FIELD** RULISON**End Date** 06/25/2012**WELL** RWF 12-36

62253530

Production Date	MCF	MMBTU	Casing Press	Tubing Press	Hours On
6/1/2012	1,038.2	1,206.0	1644.0	1381.0	24
6/2/2012	1,027.8	1,193.9	1630.0	1367.0	24
6/3/2012	1,018.7	1,183.3	1613.0	1353.0	24
6/4/2012	1,008.8	1,171.8	1600.0	1336.0	24
6/5/2012	1,002.1	1,164.0	1584.0	1325.0	24
6/6/2012	995.2	1,156.0	1571.0	1314.0	24
6/7/2012	991.4	1,151.7	1555.0	1311.0	24
6/8/2012	982.8	1,141.6	1540.0	1300.0	24
6/9/2012	974.6	1,064.3	1528.0	1287.0	24
6/10/2012	967.1	1,056.1	1518.0	1274.0	24
6/11/2012	952.7	1,040.4	1508.0	1251.0	24
6/12/2012	948.1	1,035.4	1495.0	1243.0	24
6/13/2012	946.4	1,033.5	1481.0	1237.0	24
6/14/2012	933.8	1,019.7	1468.0	1217.0	24
6/15/2012	924.0	1,009.0	1463.0	1208.0	24
6/16/2012	919.8	1,004.4	1451.0	1199.0	24
6/17/2012	917.9	1,002.5	1440.0	1198.0	24
6/18/2012	901.8	984.8	1431.0	1172.0	24
6/19/2012	889.7	971.6	1428.0	1153.0	24
6/20/2012	886.4	968.0	1421.0	1149.0	24
6/21/2012	880.9	962.0	1410.0	1142.0	24
6/22/2012	880.4	961.4	1398.0	1143.0	24
6/23/2012	875.4	955.9	1387.0	1139.0	24
<b>Total MCF</b>	21,863.8	24,437.5	23	<b>Days on production</b>	

## Western Slope Well Services LLC.

Well Information		Pressure Test Info	
Company	WPX	Start time	4/17/12 12:04:30 PM
Companyman	Jered Rundberg	Stop time	4/17/12 1:06:24 PM
Well Number	RWF 12-36	Start Pressure	7013
Pad Number	GV 15-36	End Pressure	6939
Type of test	Casing Pressure Test	Pressure Loss PSI	74 psi / 15 min
Units	PSI/minutes	Manifold Test	4501

