

RUBICON OIL & GAS LLC EBUSINESS
DO NOT MAIL - 508 W WALL ST STE 500
MIDLAND, Texas

Pawnee 4-11-1

ENSIGN #14

Post Job Summary **Plug Service - Whipstock**

Prepared for: Mike Roberts
Date Prepared: 3/15/2010
Version: 1

Service Supervisor: Rick Congdon

Submitted by: Wes Aaron

HALLIBURTON

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Service Supervisor Reports

Job Log

Date/Time	Chart #	Activity Code	Pump Rate	Cum Vol	Pump		Pressure (psig)		Comments
03/10/2010 03:00		Arrive at Location from Service Center							
03/10/2010 03:45		Rig-Up Equipment							RIG CIRCULATED WELL 2 HOURS PRIOR TO CEMENTING. HELD SAFETY MEETING WITH RIG CREW AND CUSTOMER
03/10/2010 06:34		Start Job							
03/10/2010 06:35		Test Lines					3160.0		NO VISIBLE LEAKS
03/10/2010 06:37		Pump Spacer 1	2	10			158.0		RIG WATER AHEAD OF CEMENT
03/10/2010 06:42		Pump Cement	2	47			182.0		175 SACKS 15.8PPG PLUG CEMENT MIXED WITH RIG WATER
03/10/2010 07:06		Pump Spacer 1	2	2			49.0		RIG WATER BEHIND CEMENT
03/10/2010 07:07		Pump Displacement	2	68			11.0		9.0PPG MUD TO BALANCE APPROX. 597' PLUG SET FROM 8175' TO 7578'
03/10/2010 07:43		Shutdown					329.0		WAIT FOR RIG TO PULL 9 STANDS OF PIPE FROM HOLE
03/10/2010 07:52		Circulate Well							WAIT ON ADDITIONAL CEMENT TO ARRIVE FOR UNSCHEDULED PLUG. 1/2 BBL CEMENT RETURNED TO PIT
03/10/2010 09:46		Pump Spacer 1	2	10			154.0		RIG WATER AHEAD OF CEMENT
03/10/2010 09:51		Pump Cement	3	20			148.0		75 SACKS 15.8PPG PLUG CEMENT MIXED WITH RIG WATER
03/10/2010 09:58		Pump Spacer 1	2	1			54.0		RIG WATER BEHIND CEMENT
03/10/2010 09:59		Pump Displacement	3	76			18.0		9.2PPG MUD TO BALANCE APPROX. 254' PLUG SET FROM 7563' TO 7309"
03/10/2010 10:24		Shutdown					407.0		
03/10/2010 10:26		Wait on Customer or Customer Sub-Contractor Equip							WAIT FOR RIG TO PULL 3 STANDS OF PIPE FROM HOLE
03/10/2010 11:00		Circulate Well							RIG CIRCULATED WELL 1 HOUR. 1/2 BBL CEMENT RETURNED TO PIT
03/10/2010 12:10		Pump Spacer 1		10			145.0		RIG WATER AHEAD OF CEMENT
03/10/2010 12:15		Pump Cement		47			180.0		285 SACKS 17.5PPG PLUG CEMENT MIXED WITH RIG WATER
03/10/2010 12:39		Pump Spacer 1		1			36.0		RIG WATER BEHIND CEMENT
03/10/2010 12:40		Pump Displacement		70			2.0		9.2PPG MUD TO BALANCE APPROX. 597' PLUG SET FROM 7310' TO 6713'
03/10/2010 13:02		Shutdown					167.0		RIG PULLED ALL PIPE FROM HOLE
03/10/2010 13:08		End Job							RIG DOWN TO DEPART LOCATION

The Road to Excellence Starts with Safety

Sold To #: 334602	Ship To #: 2771889	Quote #:	Sales Order #: 7224686
Customer: RUBICON OIL & GAS LLC EBUSINESS		Customer Rep: HOFFMAN, RAY	
Well Name: Pawnee		Well #: 4-11-1	API/UWI #: 05-123-31001-00
Field: WILD CAT	City (SAP): GREELEY	County/Parish: Weld	State: Colorado
Legal Description: Section SWSW11 Township 8N Range 66W			
Lat: N 40.67 deg. OR N 40 deg. 40 min. 12.18 secs.		Long: W 104.751 deg. OR W -105 deg. 14 min. 54.625 secs.	
Contractor: ENSIGN		Rig/Platform Name/Num: #14	
Job Purpose: Plug Service - Whipstock			
Well Type: Development Well		Job Type: Plug Service - Whipstock	
Sales Person: FLING, MATTHEW		Srvc Supervisor: CONGDON, RICHARD	MBU ID Emp #: 320306

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
CONGDON, RICHARD S.		320306	COPELAND, GEORGE Willard		429242	LAVALLEY, LARRY P		419296
SIPNEFSKI, ROBERT Anthony		419391						

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10248053C	50 mile	10857012C	50 mile	10866497C	50 mile	10948695	50 mile
11341988C	50 mile						

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
TOTAL			Total is the sum of each column separately					

Job

Job Times

Formation Name					Date	Time	Time Zone
Formation Depth (MD)	Top		Bottom		Called Out	10 - Mar - 2010 00:00	MST
Form Type		BHST			On Location	10 - Mar - 2010 03:00	MST
Job depth MD	8175. ft	Job Depth TVD	8175. ft		Job Started	10 - Mar - 2010 06:34	MST
Water Depth		Wk Ht Above Floor	5. ft		Job Completed	10 - Mar - 2010 13:08	MST
Perforation Depth (MD)	From		To		Departed Loc	10 - Mar - 2010 14:00	MST

Well Data

Description	New / Used	Max pressure psig	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
Open Hole	Unknown		9.	.				.	8450.		
Drill Pipe	Mixed		4.	3.34	14.			.	8150.	.	.

Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug			
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container			
Stage Tool										Centralizers			

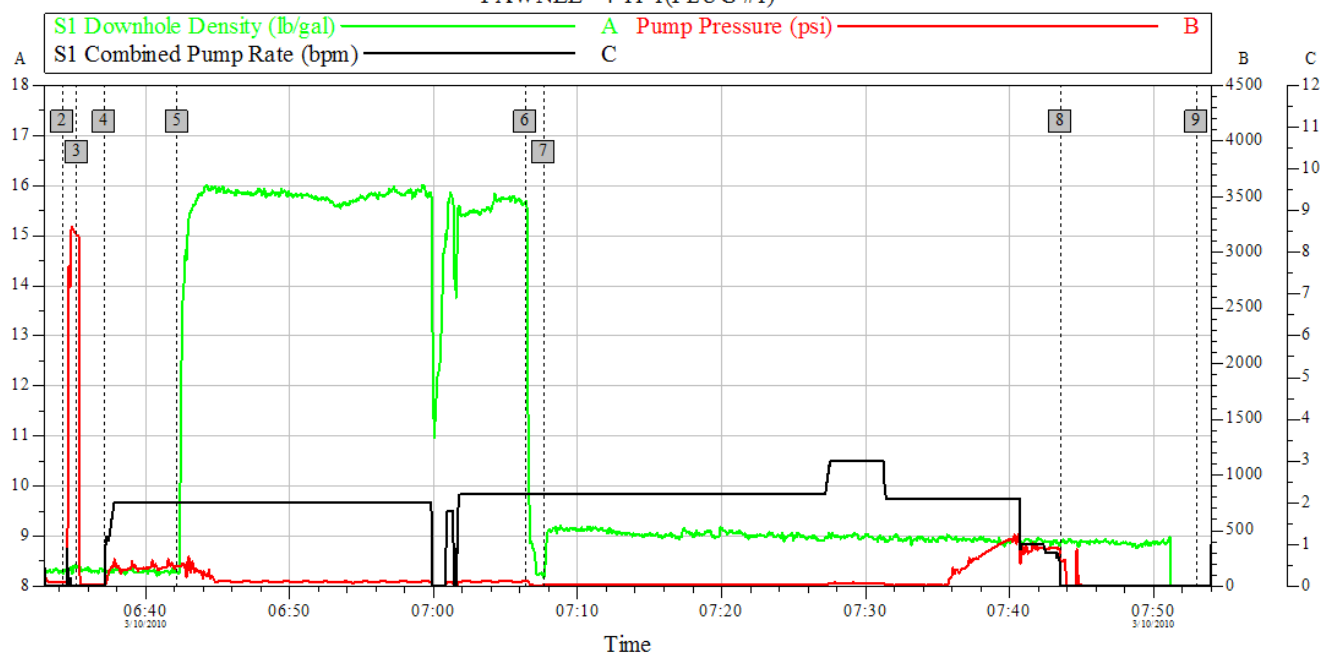
Miscellaneous Materials

Gelling Agt	Conc	Surfactant	Conc	Acid Type	Qty	Conc	%
Treatment Fld	Conc	Inhibitor	Conc	Sand Type	Size		Qty

Fluid Data										
Stage/Plug #: 1										
Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft ³ /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk	
1	Plug Cement 15.8#	CMT - PREMIUM - CLASS G, 94 LB SK (100003685)	250.0	sacks	15.8	1.52	6.21	3.0	6.21	
	94 lbm	CMT - PREMIUM - CLASS G REG OR TYPE V, BULK (100003685)								
	0.3 %	HR-5, 50 LB SK (100005050)								
	35 %	SAND-SSA-1 - SILICA FLOUR - 200 MESH, BULK (100003691)								
	0.2 %	HALAD(R)-322, 50 LB (100003646)								
	6.209 Gal	FRESH WATER								
2	Plug 17.5#	CMT - PREMIUM - CLASS G, 94 LB SK (100003685)	285.0	sacks	17.5	.94	3.33	3.0	3.33	
	94 lbm	CMT - PREMIUM - CLASS G REG OR TYPE V, BULK (100003685)								
	0.2 %	HR-5, 50 LB SK (100005050)								
	0.75 %	CFR-3, W/O DEFOAMER, 50 LB SK (100003653)								
	3.339 Gal	FRESH WATER								
Calculated Values		Pressures		Volumes						
Displacement		Shut In: Instant		Lost Returns		Cement Slurry		Pad		
Top Of Cement		5 Min		Cement Returns		Actual Displacement		Treatment		
Frac Gradient		15 Min		Spacers		Load and Breakdown		Total Job		
Rates										
Circulating		Mixing		Displacement		Avg. Job				
Cement Left In Pipe	Amount	0 ft	Reason	Shoe Joint						
Frac Ring # 1 @	ID	Frac ring # 2 @	ID	Frac Ring # 3 @	ID	Frac Ring # 4 @	ID			
The Information Stated Herein Is Correct				Customer Representative Signature						

RUBICON OIL & GAS

PAWNEE 4-11-1(PLUG #1)



Global Event Log											
Intersection			SDD	SPPP	SCPR	Intersection			SDD	SPPP	SCPR
2	Start Job	06:34:15	8.299	42.00	0.000	3	Test Lines	06:35:12	8.390	3160	0.000
4	Water Ahead	06:37:08	8.330	14.00	0.000	5	15.8ppg Plug Cement	06:42:11	8.280	182.0	2.000
6	Water Behind	07:06:23	15.67	49.00	2.200	7	Mud to Balance	07:07:38	8.190	11.00	2.200
8	Shutdown	07:43:32	8.880	247.9	0.000	9	Circulate Well	07:52:59	-0.370	-3.000	0.000

Customer: RUBICON
Well Description: WHIPSTOCK

Job Date: 10-Mar-2010
UWI: 05-123-31001

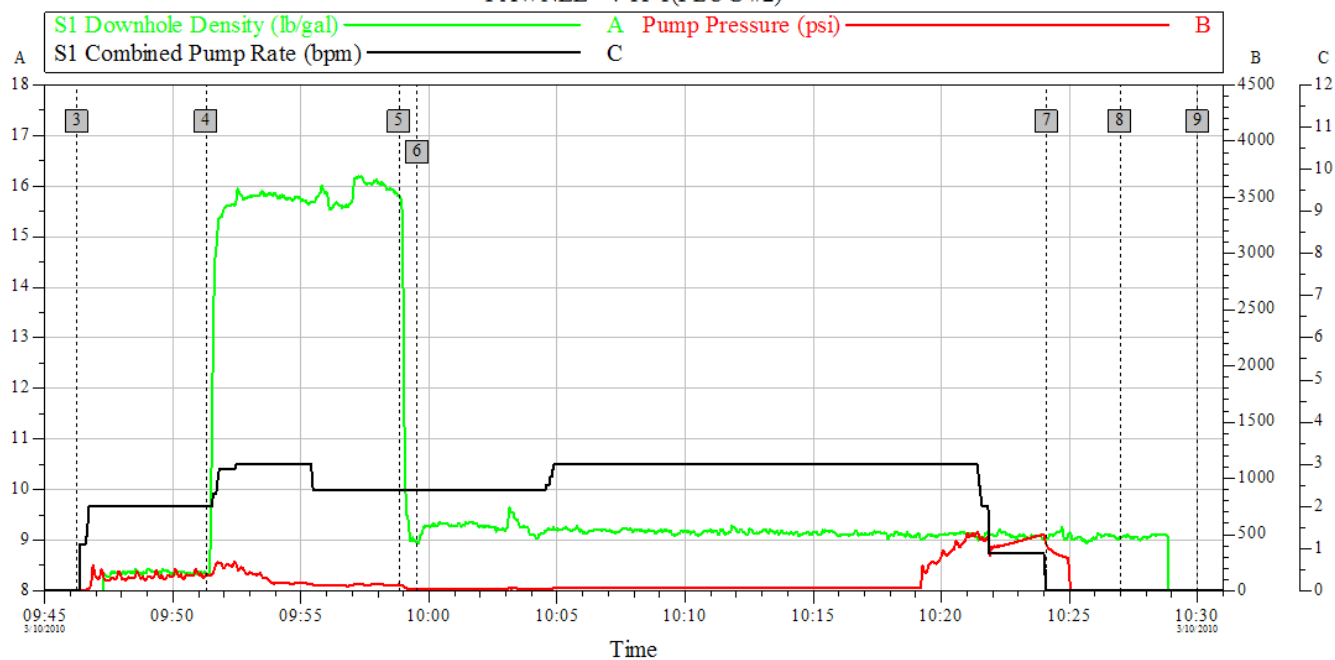
Sales Order #: 7224686

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10-Mar-10 08:50

HALLIBURTON

RUBICON OIL & GAS

PAWNEE 4-11-1(PLUG #2)



Global Event Log

Water Level Log										
Intersection		SDD	SPPP	SCPR	Intersection		SDD	SPPP	SCPR	
3	Water Ahead	09:46:16	-0.555	0.000	4	15.8ppg Plug Cement	09:51:18	8.320	148.0	2.000
5	Water Behind	09:58:50	15.80	54.00	6	Mud to Balance	09:59:32	8.950	18.00	2.400
7	Shutdown	10:24:07	9.030	406.6	8	Pull Pipe	10:26:59	9.068	1.000	0.000
9	Circulate Bottoms Up	10:30:01	-0.120	-1.000						

Customer: RUBICON
Well Description: WHIPSTOCK

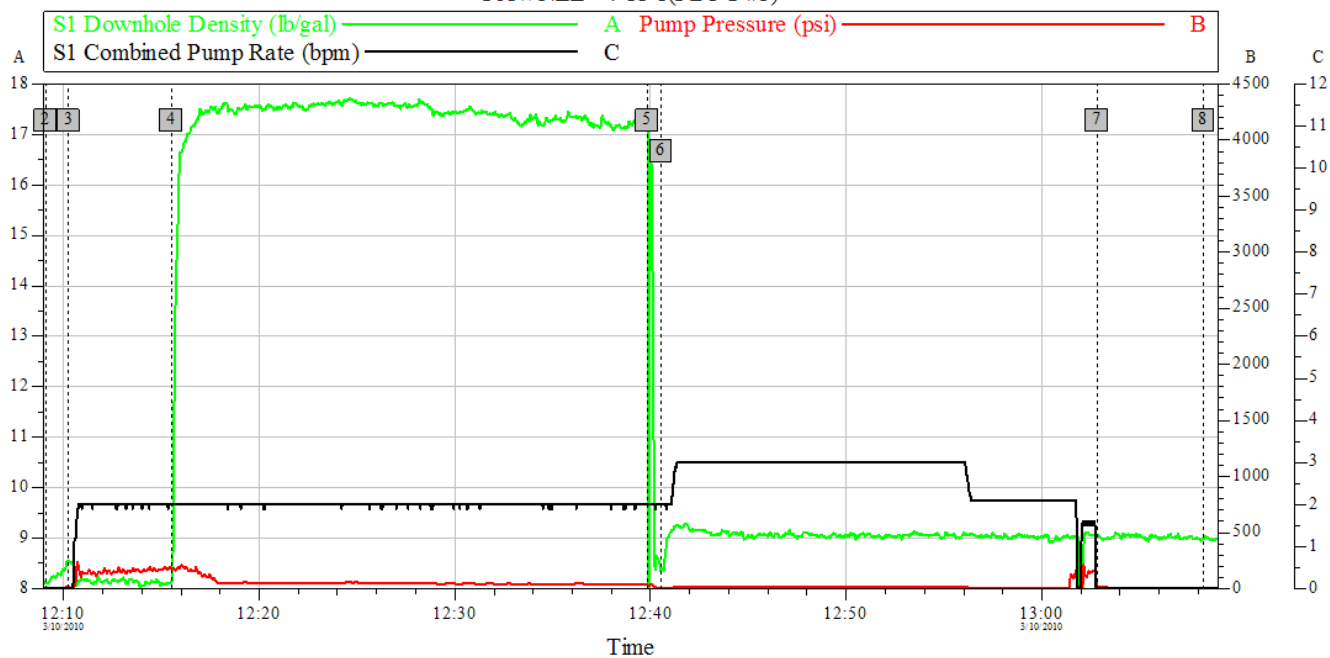
Job Date: 10-Mar-2010
UWI: 05-123-31001

Sales Order #: 7224686

HALLIBURTON
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10-Mar-10 11:29

RUBICON OIL & GAS

PAWNEE 4-11-1(PLUG #3)



Global Event Log

Intersection			SDD	SPPP	SCPR	Intersection			SDD	SPPP	SCPR
2	Start Third Plug	12:09:05	8.130	-2.959	0.000	3	Water Ahead	12:10:16	8.550	11.00	0.000
4	17.5ppg Whipstock Cement	12:15:30	8.130	180.0	2.000	5	Water Behind	12:39:51	17.14	36.18	2.000
6	Mud to Balance	12:40:33	8.370	2.000	2.000	7	Shutdown	13:02:49	9.050	19.54	0.000
8	End Job	13:08:15	8.990	-2.000	0.000						

Customer: RUBICON
Well Description: WHIPSTOCK

Job Date: 10-Mar-2010
UWI: 05-123-31001

Sales Order #: 7224686

HALLIBURTON
OptiCem v6.4.2
10-Mar-10 13:25