
OXY GRAND JUNCTION EBUSINESS

**CC 697-16-29A
GRAND VALLEY
Garfield County , Colorado**

Cement Intermediate Casing
26-Sep-2011

Post Job Report

The Road to Excellence Starts with Safety

Sold To #: 344034	Ship To #: 2820436	Quote #:	Sales Order #: 8490697
Customer: OXY GRAND JUNCTION EBUSINESS		Customer Rep: Coombs, Henry	
Well Name: CC	Well #: 697-16-29A	API/UWI #: 05-045-19936	
Field: GRAND VALLEY	City (SAP): PARACHUTE	County/Parish: Garfield	State: Colorado
Lat: N 39.536 deg. OR N 39 deg. 32 min. 9.708 secs.		Long: W 108.238 deg. OR W -109 deg. 45 min. 44.28 secs.	
Contractor: H&P Drilling		Rig/Platform Name/Num: H&P 353	
Job Purpose: Cement Intermediate Casing			
Well Type: Development Well		Job Type: Cement Intermediate Casing	
Sales Person: HIMES, JEFFREY		Srvc Supervisor: TRIPLETT, MICHEAL	MBU ID Emp #: 447908

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
HARDRICK, RAYMOND Frank	15	391324	STILLSON, ERIC W	15	393789	TRIPLETT, MICHEAL Anthony	15	447908
WEAVER, CARLTON Russell	15	457698	WOLFE, JON P	15	485217			

Equipment

HES Unit #	Distance-1 way						
10567589C	120 mile	10783493	120 mile	10822007	120 mile	10995027	120 mile
11259885	120 mile	11583917	120 mile				

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
09/25/2011	2	0	09/26/2011	13	4			
TOTAL	<i>Total is the sum of each column separately</i>							

Job

Job Times

Formation Name	Top	Bottom	Called Out	Date	Time	Time Zone
Formation Depth (MD)			On Location	25 - Sep - 2011	16:00	MST
Form Type	BHST		Job Started	25 - Sep - 2011	22:00	MST
Job depth MD	9375. ft	Job Depth TVD	9375. ft	Job Started	26 - Sep - 2011	08:17
Water Depth		Wk Ht Above Floor	4. ft	Job Completed	26 - Sep - 2011	11:37
Perforation Depth (MD)	<i>From</i>	<i>To</i>	Departed Loc	26 - Sep - 2011	13:00	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
9 1/2" Open Hole				9.5				2689.	9375.		
7" Intermediate Casing	New		7.	6.276	26	8 ROUND		.	9353.8		
9 5/8" Surface Casing	Used		9.625	8.921	36	8 ROUND	J-55	.	2689.0		

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	Water Spacer		20.00	bbl	8.34	.0	.0	4.0	
2	Gel Spacer		20.00	bbl	8.4	.0	.0	4.0	
3	Water Spacer		20.00	bbl	8.34	.0	.0	4.0	
4	ExtendaCem Lead Cement	EXTENDACEM (TM) SYSTEM (452981)	508.0	sacks	12.4	1.89	10.12	6.0	10.12
	10.12 Gal	FRESH WATER							
5	HalCem Tail Cement	VARICEM (TM) CEMENT (452009)	856.0	sacks	13.1	1.96	9.08	6.0	9.08
	9.08 Gal	FRESH WATER							
6	Displacement		355.00	bbl	8.34	.0	.0	8.0	
Calculated Values		Pressures			Volumes				
Displacement	355.3	Shut In: Instant		Lost Returns	70	Cement Slurry	470	Pad	
Top Of Cement	547.5	5 Min		Cement Returns	20	Actual Displacement	355.3	Treatment	
Frac Gradient		15 Min		Spacers	60	Load and Breakdown		Total Job	760
Rates									
Circulating	6	Mixing	6	Displacement	6	Avg. Job	6		
Cement Left In Pipe	Amount	52.5 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					

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Field: GRAND VALLEY	City (SAP): PARACHUTE	County/Parish: Garfield	State: Colorado
Legal Description:			
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Contractor: H&P Drilling		Rig/Platform Name/Num: H&P 353	
Job Purpose: Cement Intermediate Casing			Ticket Amount:
Well Type: Development Well		Job Type: Cement Intermediate Casing	
Sales Person: HIMES, JEFFREY		Srvc Supervisor: TRIPLETT, MICHEAL	MBU ID Emp #: 447908

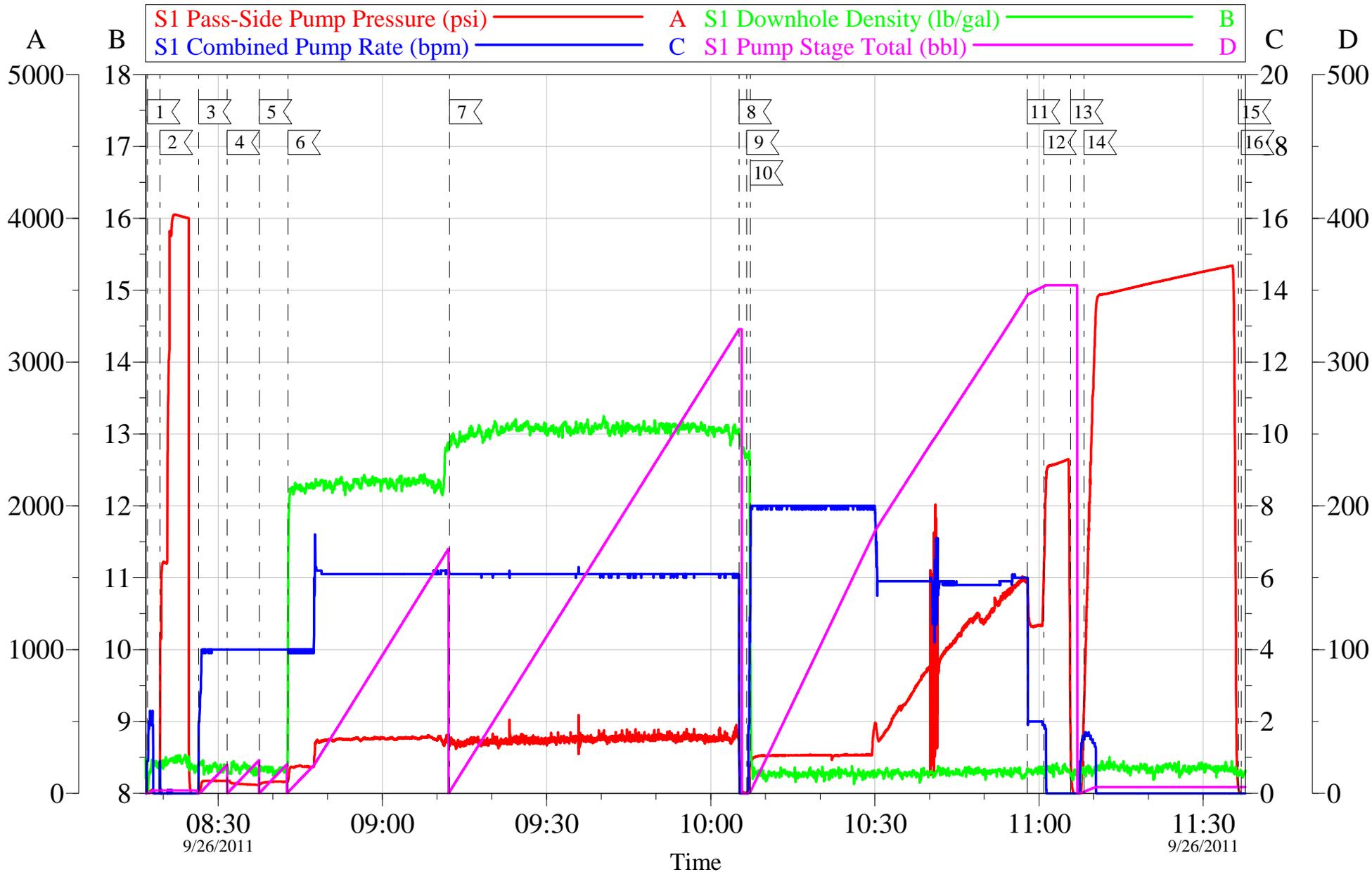
Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	09/25/2011 17:00							
Pre-Convoy Safety Meeting	09/25/2011 18:50							
Crew Leave Yard	09/25/2011 19:00							
Arrive At Loc	09/25/2011 22:00							RIG WAS STILL RUNNING CASING.
Assessment Of Location Safety Meeting	09/25/2011 22:10							
Other	09/26/2011 03:00							SPOT EQUIPMENT, 1 RCM PUMP TRUCK 1 660 BULK TRUCK.
Pre-Rig Up Safety Meeting	09/26/2011 03:10							
Rig-Up Equipment	09/26/2011 03:15							
Pre-Job Safety Meeting	09/26/2011 08:00							GO OVER JOB PROCEDURES AND SAFETY INFORMATION.
Start Job	09/26/2011 08:16							TD:9375', TP:9353.79', SJ:52.50', MW:9.2, CASING: 7" 26#, OH: 9.5", SURFACE SET @ 2689'.
Test Lines	09/26/2011 08:19						4000	PRESSURE TEST PUMPS AND LINES. STARTED AT 4040 PSI ENDED AT 4016 PSI, LOST 24 PSI IN THREE MINUTES.
Pump Spacer 1	09/26/2011 08:26		4	20			100.0	FRESH WATER
Pump Spacer 2	09/26/2011 08:31		4	20			80.0	LGC 2.5 GALLONS PER 10 BARRELS.

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Spacer 3	09/26/2011 08:37		4	20			96.0	FRESH WATER
Pump Lead Cement	09/26/2011 08:42		6	171			390.0	508 SACKS MIXED @ 12.4 PPG, 1.89 YIELD, 10.12 GALS/SACK.
Pump Tail Cement	09/26/2011 09:12		6	298.8			400.0	856 SACKS MIXED @ 13.1, 1.96 YIELD, 9.08 GALS/SACK.
Shutdown	09/26/2011 10:05							
Drop Top Plug	09/26/2011 10:06							VERIFY PLUG LEFT.
Pump Displacement	09/26/2011 10:07		6	355.3			1500	FRESHWATER, RAN 8 BBLS/MIN UNTIL CAUGHT PRESSURE, THEN RAN 6 BBLS/MIN THE REST OF DISPLACEMENT.
Slow Rate	09/26/2011 10:57		2	345.3			1175	SLOWED RATE LAST 10BBLS OF DISPLACEMENT
Bump Plug	09/26/2011 11:00			355.3			1200	BUMP PLUG AND WENT 1000PSI OVER TO 2290 PSI
Check Floats	09/26/2011 11:05							FLOATS HELD
Pressure Test	09/26/2011 11:08						3500	PRESSURE TEST CASING TO 3500 PSI FOR 30 MINUTES.
Release Casing Pressure	09/26/2011 11:36						3658	CASING TEST GOOD.

End Job	09/26/2011 11:37								HAD GOOD CIRCULATION THROUGHOUT JOB. RIG HAD 1400 CFM AIR GOING THROUGH PARASITE DURING CEMENT, LOWERED IT TO 900 ON DISPLACEMENT AND SHUT AIR OFF WHEN CEMENT CAME TO SURFACE. GOT 20 BBLS OF CEMENT TO SURFACE AND LOST RETURNS WITH 280 BBLS OF DISPLACEMENT AWAY. 4 ADDITIONAL HOURS ADDED AND CUBIC FEET AND TONS WRONG ON TICKET CHANGED TO RIGHT AMOUNT. 40 #S OF SUGAR USED.
Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments	
				Stage	Total	Tubing	Casing		
Post-Job Safety Meeting (Pre Rig-Down)	09/26/2011 11:40								
Rig-Down Equipment	09/26/2011 11:45								
Pre-Convoy Safety Meeting	09/26/2011 12:55								
Crew Leave Location	09/26/2011 13:00							THANKS FOR USING HALLIBURTON MIKE TRIPLETT AND CREW.	

OXY

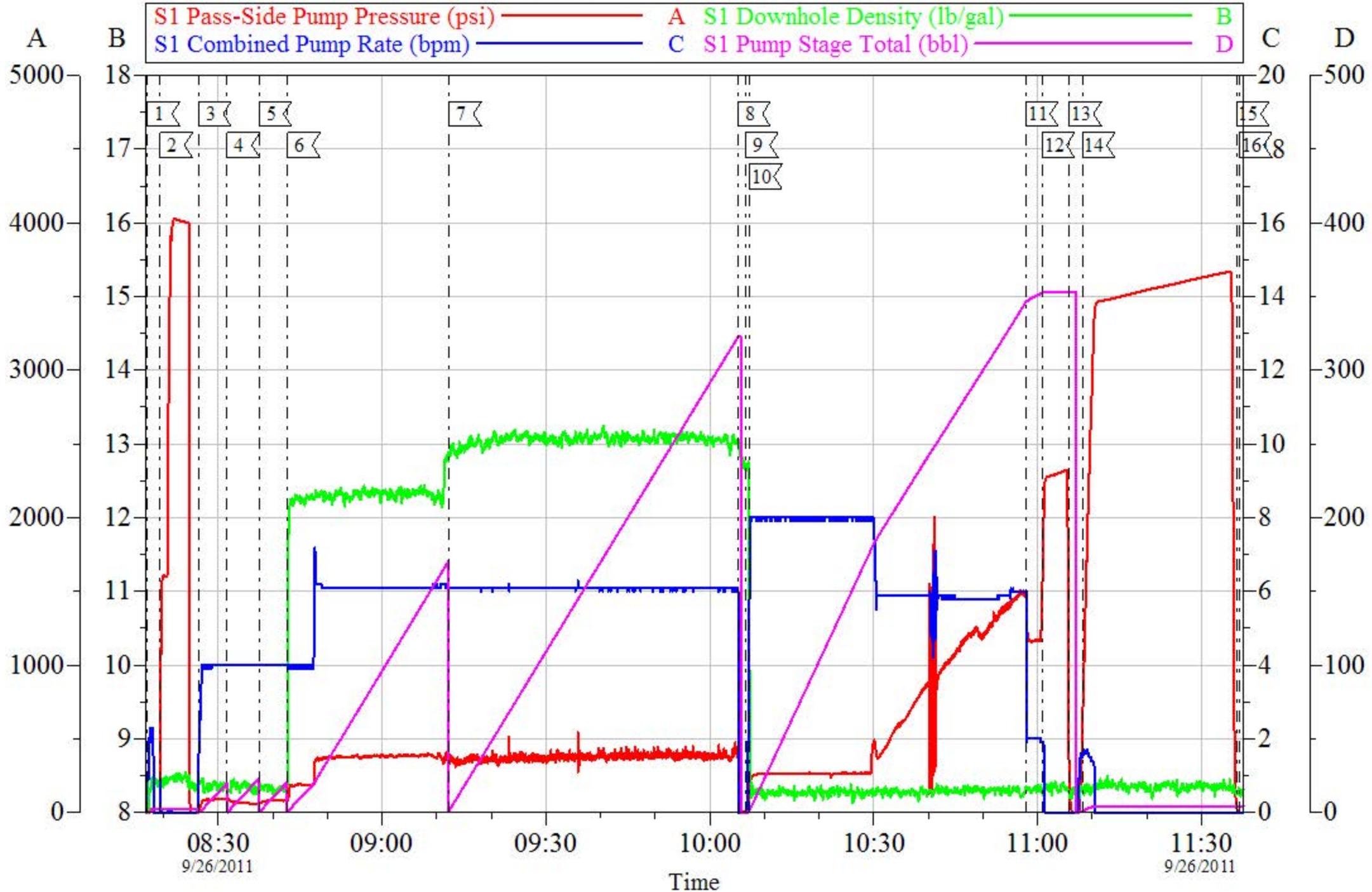
7" INTERMEDIATE CC-697-16-29A



Customer: OXY	Job Date: 26-Sep-2011	Sales Order #: 8490697
Well Description: CC-697-16-29A	JOB TYPE: INTERMEDIATE	COMPANY REP: HENRY COOMBS
ADC USED: YES	SERVICE SUPERVISOR: MIKE TRIPLETT	ELITE/OPERATER 3/ RUSTY WEAVER

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ADC USED: YES	SERVICE SUPERVISOR: MIKE TRIPLETT	ELITE/OPERATER 3/RUSTY WEAVER

HALLIBURTON

Water Analysis Report

Company: OXY

Date: 9/26/2011

Submitted by: MIKE TRIPLET

Date Rec.: 9/26/2011

Attention: LAB

S.O.# 8490697

Lease CASCADE CREEK

Job Type: INTERMEDIATE

Well # 697-16-29A

Specific Gravity	<i>MAX</i>	1
pH	<i>8</i>	8
Potassium (K)	<i>5000</i>	250 Mg / L
Calcium (Ca)	<i>500</i>	100 Mg / L
Iron (FE2)	<i>300</i>	3 Mg / L
Chlorides (Cl)	<i>3000</i>	425 Mg / L
Sulfates (SO ₄)	<i>1500</i>	-200 Mg / L
Chlorine (Cl ₂)		0 Mg / L
Temp	<i>40-80</i>	65 Deg
Total Dissolved Solids		180 Mg / L

Respectfully: MIKE TRIPLET

Title: CEMENTING SUPERVISOR

Location: Grand Junction, CO

NOTICE:

This report is limited to the described sample tested. Any person using or relying on this report agrees that Halliburton shall not be liable for any loss or damage whether due to act or omission resulting from such report or its

Sales Order #: 8490697	Line Item: 10	Survey Conducted Date: 9/26/2011
Customer: OXY GRAND JUNCTION EBUSINESS		Job Type (BOM): CMT INTERMEDIATE CASING BOM
Customer Representative: JEREMY KNEESE		API / UWI: (leave blank if unknown) 05-045-19936
Well Name: CC		Well Number: 697-16-29A
Well Type: Development Well	Well Country: United States of America	
H2S Present: No	Well State: Colorado	Well County: Garfield

Dear Customer,

We hope that you were satisfied with the service quality of this job performed by Halliburton. It is the aim of our management and service personnel to deliver equipment and service of a standard unmatched in the service sector of the energy industry.

Please take the time to let us know if our performance met with your satisfaction. Please be as critical as possible to ensure we constantly improve our service. Your comments are of great value to us and are intended for the exclusive use of Halliburton.

CUSTOMER SATISFACTION SURVEY

CATEGORY	CUSTOMER SATISFACTION RESPONSE	
Survey Conducted Date	The date the survey was conducted	9/26/2011
Survey Interviewer	The survey interviewer is the person who initiated the survey.	MICHEAL TRIPLETT (HB15721)
Customer Participation	Did the customer participate in this survey? (Y/N)	Yes
Customer Representative	Enter the Customer representative name	JEREMY KNEESE
HSE	Was our HSE performance satisfactory? Circle Y or N	Yes
Equipment	Were you satisfied with our Equipment? Circle Y or N	Yes
Personnel	Were you satisfied with our people? Circle Y or N	Yes
Customer Comment	Customer's Comment	
Job DVA	Did we provide job DVA above our normal service today? Circle Y or N	No
Time	Please enter hours in decimal format to nearest quarter hour.	
Other	Enter short text for other efficiencies gained.	
Customer Initials	Customer's Initials	
Please provide details	Please describe how the job efficiencies were gained.	

CUSTOMER SIGNATURE

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Well Type: Development Well	Well Country: United States of America	
H2S Present: No	Well State: Colorado	Well County: Garfield

KEY PERFORMANCE INDICATORS

General	
Survey Conducted Date	9/26/2011
The date the survey was conducted	

Cementing KPI Survey	
Type of Job	0
Select the type of job. (Cementing or Non-Cementing)	
Select the Maximum Deviation range for this Job	Vertical
What is the highest deviation for the job you just completed? This may not be the maximum well deviation.	
Total Operating Time (hours)	6
Total Operating Hours Including Rig-up, Pumping, Rig-down. Enter in decimal format.	
HSE Incident, Accident, Injury	No
HSE Incident, Accident, Injury. This should be recordable incidents only.	
Was the job purpose achieved?	Yes
Was the job delivered correctly as per customer agreed design?	
Operating Hours (Pumping Hours)	4
Total number of hours pumping fluid on this job. Enter in decimal format.	
Customer Non-Productive Rig Time (hrs)	0
Lost time due to Halliburton in the start, execution, or completion of an ordered service or product, or delays in a follow-on service. Enter in decimal format. 0 if none.	
Type of Rig Classification Job Was Performed	Drilling Rig (Portable)
Type Of Rig (classification) Job Was Performed On	
Number Of JSAs Performed	7
Number Of Jsas Performed	
Number of Unplanned Shutdowns	0
Unplanned shutdown is when injection stops for any period of time.	
Was this a Primary Cement Job (Yes / No)	Yes

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Well Name: CC		Well Number: 697-16-29A
Well Type: Development Well	Well Country: United States of America	
H2S Present: No	Well State: Colorado	Well County: Garfield

Primary Cement Job= Casing job, Liner job, or Tie-back job.	
Did We Run Wiper Plugs? Did We Run Top And Bottom Casing Wiper Plugs?	Top
Mixing Density of Job Stayed in Designed Density Range (0-100%) Density Range defined as +/- .20 ppg. Calculation: Total BBLs cement mixed at designed density divided by total BBLs of cement multiplied by 100	95
Was Automated Density Control Used? Was Automated Density Control (ADC) Used ?	Yes
Pump Rate (percent) of Job Stayed At Designed Pump Rate Pump Rate range defined as +/- 1bbl/min. Calculation: Total BBLs of fluid pumped at the designed rate divided by Total BBLs of fluid pumped, multiplied by 100	95
Nbr of Remedial Sqz Jobs Rqd - Competition Number Of Remedial Squeeze Jobs Required After Primary Job Performed By Competition	0
Nbr of Remedial Plug Jobs Rqd - HES Number Of Remedial Plug Jobs Needed After Primary Plug Pumped By HES	0
Nbr of Remedial Sqz Jobs Rqd - HES Number Of Remedial Squeeze Jobs Required After Primary Job Performed By HES	0