
OXY GRAND JUNCTION EBUSINESS

CC 697-08-56A
GRAND VALLEY
Garfield County - Colorado

Cement Surface Casing
02-Sep-2010

Job Site Documents

The Road to Excellence Starts with Safety

Sold To #: 344034	Ship To #: 2804888	Quote #:	Sales Order #: 7609848
Customer: OXY GRAND JUNCTION FUSION-SS	Customer Rep: Silva Marco		
Well Name: (X)	Well #: 897-08-56A	API/UWI #: 05-045-18305	
Field: GRAND VALLEY	City (SAP): PARACHUTE	County/Parish: Garfield	State: Colorado
Lat: N 39.531 deg. OR N 39 deg. 31 min. 50.074 SACS		Long: W 108.733 deg. OR W -108 deg. 46 min. 0.42 SACS	
Contractor: H&P Drilling	Rig/Platform Name/Num: H&P 330		
Job Purpose: Cement Surface Casing			
Well Type: Development Well	Job Type: Cement Surface Casing		
Sales Person: DUNNING DUSTIN	Srvs Supervisor: DANIEL EVERETT	MSU ID Emp #: 337325	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
DANIEL EVERETT	7.75	337325	HOEFER, FREEMAN	7.75	303000	LEIST, JAMES R	7.75	302787
KAMPT, STANTON	7.75	477009	SALAZAR, PAUL CAROL	7.75	440014			

Equipment

HES Unit #	Distance 1 way	HES Unit #	Distance 1 way	HES Unit #	Distance 1 way	HES Unit #	Distance 1 way
100004507	100 mile	100004507	100 mile	100004507	100 mile	100004507	100 mile
10050488	100 mile	10050488	100 mile	10050488	100 mile	10050488	100 mile
10000001	100 mile	10000001	100 mile				

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
02/09/10	7.75	5.75						
TOTAL	7.75	5.75	Total is the sum of each column separately					

JOB

Formation Name	Date	Time	Time Zone
Formation Depth (m): (ft):	02 - Sep - 2010	09:00	MST
Form Type	On Location	02 - Sep - 2010	09:00
Well Depth (m)	02 - Sep - 2010	10:30	MST
Water Depth	Job Completed	02 - Sep - 2010	10:30

Well Data

Description	Name / Head	Max pressure MPa	Size mm	ID mm	Weight kg/m	Thread	Grade	Top MD m	Bottom MD m	Top TVD m	Bottom TVD m
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Subcontractor Party H&P

Description	Qty	Qty uom	Depth	Supplier
PLUG UNIT FOR 8" O.D. PIPE, 6" TO 10" WIRE LOG RUN	1	EA		
R/A DENSOMETER W/CHART RECORDER, NOB, ZI	1	JOB		
PORT. DATA RECORD. W/PLUG LOGEM RT WIRING	1	EA		
ADC (AUTO DENSITY CTRL) SYS, NOB, ZI	1	JOB		

Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Grubbing Shoe					Bridge Plug					Bottom Plug			
Insert Float										Plug Container			
Cable Tool										Control Line			

Colling Aft	Conc	Surfactant	Conc	Acid Type	Qty	Conc %
Treatment Eld	Conc	Inhibitor	Conc	Acid Type	Qty	Conc %

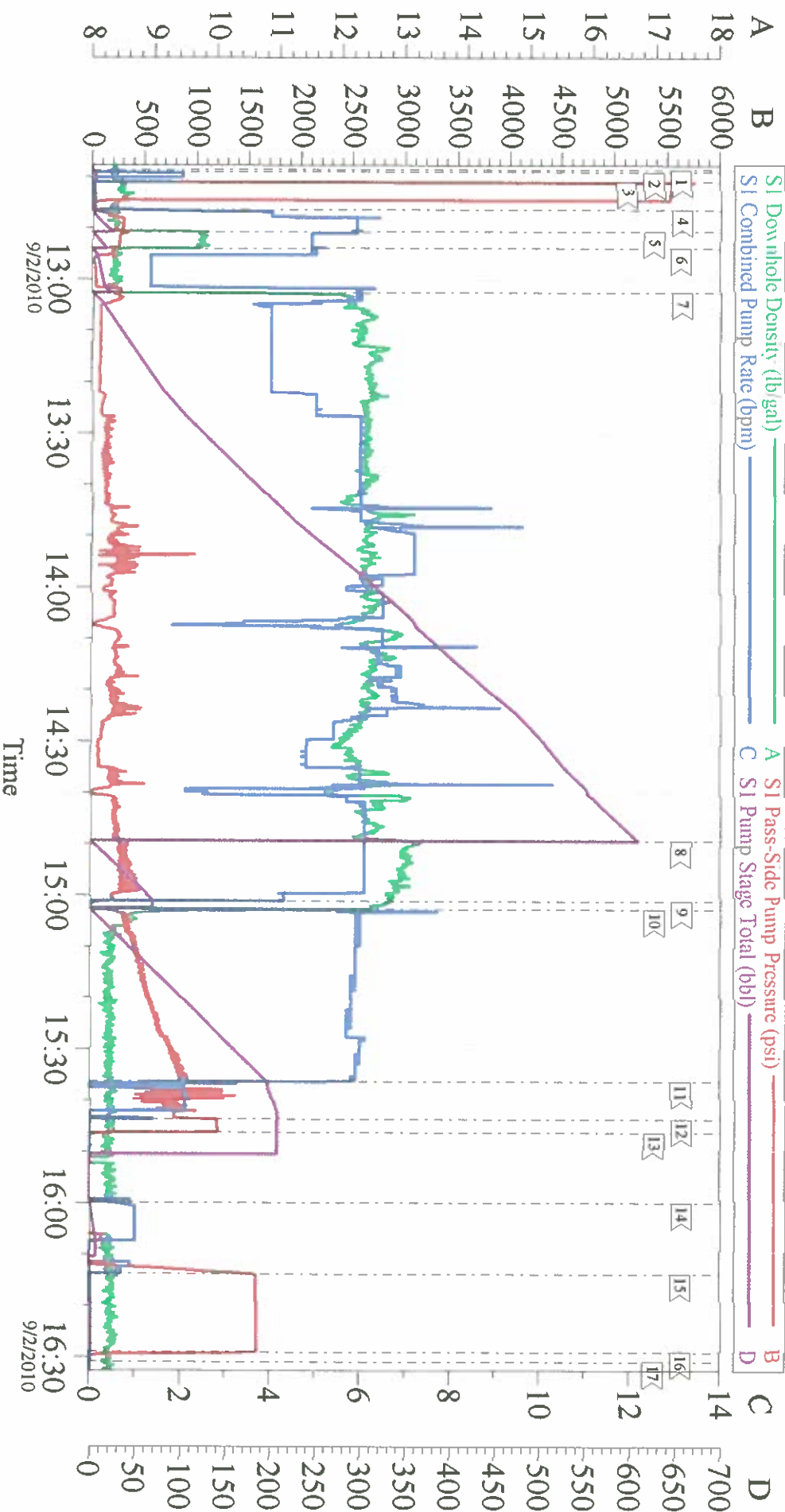
Fluid Data									
Stage/Plug #: 1									
Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density kg/m3	Yield m3/sk	Mix Fluid m3/tonne	Rate m3/min	Total Mix Fluid m3/tonne
1	Water Spacer		20	bbbl	6.33	.0	.0	.0	
2	Super Flush 101	SUPER FLUSH 101 - SBM (12199)	20	bbbl	10.	.0	.0	.0	
3	Water Spacer		20	bbbl	.	.0	.0	.0	
4	Lead Cement	VERSACEM (TM) SYSTEM (452010)	1060	sacks	12.3	2.33	12.62		12.62
	12.02 Gal	FRESH WATER							
5	Tail Cement	VERSACEM (TM) SYSTEM (452010)	160	sacks	12.3	2.07	10.67		10.67
	10.07 Gal	FRESH WATER							
6	Displacement		204	bbbl	.	.0	.0	.0	
7	Topout Cement	HVALCEM (TM) SYSTEM (602900)	0	sacks	12.3	1.97	10.90		10.90
	10.90 Gal	FRESH WATER							
Calculated Values		Pressures		Volumes					
Displacement	204.3	Shut In: Instant		Lost Returns		Cement Slurry	499.9	Pad	
Top Of Cement	Surface	5 min		Cement Return		Partial Displacement			
Frac Gradient		15 Min		Spacers	60	Load and Breakdown		Total Job	
Circulating 0 Mixing 0 Displacement 0 AVG. JOB 0									
Fracturing #1 @ 10 Fracturing #2 @ 10 Fracturing #3 @ 10 Fracturing #4 @ 10									
The Information Stated Herein Is Correct					Contract Representative Signature				

Activity Description	Date/Time	Cht #	Rate m3/min	Volume m3		Pressure MPa		Comments
				Stage	Total	Tubing	Casing	
Pump Spacer 1	09/02/2010 12:54		6	20			239.0	Fresh Water
Pump Lead Cement	09/02/2010 13:02		6	439.9			265.0	1060 sks of VersaCem @ 12.3# - 2.33 yield - 12.62 H2O requirement with 7 boxes of tuff fiber
Pump Tail Cement	09/02/2010 14:49		6	59			380.0	160 sks of VersaCem @ 12.8#-2.07 Yield-10.67 H2O requirement
Shutdown	09/02/2010 15:01							
Drop Top Plug	09/02/2010 15:01							
Pump Displacement	09/02/2010 15:02		6	204.3			883.0	Fresh Water
Slow Rate	09/02/2010 15:36		2	194			600.0	Slowed to 4 bpm
Bump Plug	09/02/2010 15:43		2	204.3			1100.0	Bumped Plug @ calculated displacement and 500 psi over
Check Floats	09/02/2010 15:46							Floats Held
Pump Down Parasite String	09/02/2010 15:59		1	10			115.0	Pump Down Parasite String Sugar Water
Pressure Test Casing	09/02/2010 16:13		1	2			1580.0	Pressure up on casing to 1500 psi
Release Casing Pressure	09/02/2010 16:28						1580.0	Test Held
End Job	09/02/2010 16:30							
Safety Meeting - Pre Rig-Down	09/02/2010 16:35							Discussed job procedures and safety issues
Rig-Down Equipment	09/02/2010 16:45							
Rig-Down Completed	09/02/2010 17:30							
Safety Meeting - Departing Location	09/02/2010 17:40							Discussed job procedures and safety issues
Depart Location for Service Center or Other Site	09/02/2010 17:45							

Total Depth = 2730 , Total Casing = 2693 , Shoe Joint =49.65 , Mud Weight =9.7# . Casing remained stationary throughout job and was chained down. 200 bbls of cement returned to surface. 583 bbls of H2O were used for the job and 30 bbls were used for clean up (after the job) The plug landed at calculated displacement and the floats held.

Thank you for using Grand Junction Halliburton Dean Daniel & Crew

Surface



Local Event Log

1 < Start Job	12:38:46	2 < Prime Lines	12:39:11	3 < Test Lines	12:41:00
4 < Pump H2O Spacer	12:46:33	5 < Pump Super Flush 101	12:50:46	6 < Pump H2O Spacer	12:54:02
7 < Pump Lead Cement	13:02:38	8 < Pump Tail Cement	14:49:25	9 < Shut Down/Drop Top Plug	15:01:10
10 < Pump H2O Displacement	15:02:47	11 < Slow Rate	15:36:16	12 < Bump Plug	15:43:34
13 < Check Floats	15:46:08	14 < Pump Down Parasite	15:59:50	15 < Pressure Test Casing	16:13:40
16 < Release Pressure	16:28:55	17 < End Job	16:30:51		

Customer: OXY
Well Description: CC-697-08-56A
Company Rep: George Lyerly

Job Date: 02-Sep-2010
Job Type: Surface
Cement Supervisor: Dean Daniel

Sales Order #: 7609848
ADC Used: Yes
Elite #/Operator: 9/Dennis Hoeller