
OXY GRAND JUNCTION EBUSINESS

**SHELL 797-03-23B
GRAND VALLEY
Garfield County , Colorado**

Cement Surface Casing
14-Nov-2010

Job Site Documents

The Road to Excellence Starts with Safety

Sold To #: 344034	Ship To #: 2819426	Quote #:	Sales Order #: 7763504
Customer: OXY GRAND JUNCTION EBUSINESS	Customer Rep: Goddeyene, Andy		
Well Name: SHELL	Well #: 797-03-23B	API/UWI #: 05-045-17891	
Field: GRAND VALLEY	City (SAP): PARACHUTE	County/Parish: Garfield	State: Colorado
Lat: N 39.478 deg. OR N 39 deg. 28 min. 42.15 secs.	Long: W 108.202 deg. OR W -109 deg. 47 min. 52.778 secs.		
Contractor: NABORS M-37	Rig/Platform Name/Num: NABORS M-37		
Job Purpose: Cement Surface Casing			
Well Type: Development Well	Job Type: Cement Surface Casing		
Sales Person: DUNNING, DUSTIN	Srv Supervisor: DANIEL, EVERETT	MBU ID Emp #: 337325	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
ANDERSON, ADAM S	2.5	456683	DANIEL, EVERETT Dean	6.75	337325	SALAZAR, PAUL Omar	6.75	445614
WINKER, STEVEN	2.5	478776	ZUMWALT, ORVILLE Raymond	4.25	398157			

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10296152C	40 mile	10867094	40 mile	10897797	40 mile	10897925	40 mile
10951248	40 mile						

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
11/14/10	6.75	4						
TOTAL	6.75	4	Total is the sum of each column separately					

Job

Job Times

Formation Name	Formation Depth (MD)	Top	Bottom	Called Out	Date	Time	Time Zone
Form Type			BHST	On Location	14 - Nov - 2010	04:30	MST
Job depth MD	1325. m		Job Depth TVD	Job Started	14 - Nov - 2010	07:05	MST
Water Depth			Wk Ht Above Floor	Job Completed	14 - Nov - 2010	09:24	MST
Perforation Depth (MD)	From		To	Departed Loc	14 - Nov - 2010	10:45	MST

Well Data

Description	New / Used	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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Sales/Rental/3rd Party (HES)

Description	Qty	Qty uom	Depth	Supplier
PLUG,CMTG,TOP,9 5/8,HWE,8.16 MIN/9.06 MA	1	EA		
R/A DENSOMETER W/CHART RECORDER,/JOB,ZI	1	JOB		
PORT. DATA ACQUIS. W/OPTICEM RT W/HES	1	EA		
ADC (AUTO DENSITY CTRL) SYS, /JOB,ZI	1	JOB		

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 kg/m3	Yield m3/sk	Mix Fluid m3/tonne	Rate m3/min	Total Mix Fluid m3/tonne
1	Water Spacer		20	bbl	8.33	.0	.0	.0	
2	Gel Spacer		20	bbl	.	.0	.0	.0	
3	Water Spacer		20	bbl	.	.0	.0	.0	
4	Lead Cement	VERSACEM (TM) SYSTEM (452010)	176	sacks	12.3	2.38	13.77		13.77
5	Tail Cement	SWIFTCEM (TM) SYSTEM (452990)	105	sacks	14.2	1.43	6.85		6.85
6.85 Gal		FRESH WATER							
6	Displacement		96.2	bbl	.	.0	.0	.0	
Calculated Values		Pressures		Volumes					
Displacement	96.2	Shut In: Instant		Lost Returns		Cement Slurry	101.3	Pad	
Top Of Cement	UNKNOWN	5 Min		Cement Returns	0	Actual Displacement	96.2	Treatment	
Frac Gradient		15 Min		Spacers	60	Load and Breakdown		Total Job	
Rates									
Circulating	5	Mixing	5	Displacement	5	Avg. Job	5		
Cement Left In Pipe	Amount	54 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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Job Purpose: Cement Surface Casing						Ticket Amount:	
Well Type: Development Well			Job Type: Cement Surface Casing				
Sales Person: DUNNING, DUSTIN			Srv Supervisor: DANIEL, EVERETT			MBU ID Emp #: 337325	

Activity Description	Date/Time	Cht #	Rate m3/min	Volume m3		Pressure MPa		Comments
				Stage	Total	Tubing	Casing	
Call Out	11/14/2010 00:15							Crew in the field at another location
Depart Yard Safety Meeting	11/14/2010 03:15							
Depart from Service Center or Other Site	11/14/2010 03:30							
Arrive at Location from Service Center	11/14/2010 04:30							Arrived 1.5 hr. early. Did not start charging time until 0600
Assessment Of Location Safety Meeting	11/14/2010 04:35							
Consult with Co. Rep.	11/14/2010 04:40							Verified calculations and materials on location including H2O and Cement totals
Safety Meeting - Pre Rig-Up	11/14/2010 04:45							Discussed job procedures and safety issues
Rig-Up Equipment	11/14/2010 04:45							
Rig-Up Completed	11/14/2010 05:45							
Safety Meeting - Pre Job	11/14/2010 07:00							Discussed job procedures and safety issues
Start Job	11/14/2010 07:05							
Prime Pumps	11/14/2010 07:08		1.5	3			58.0	Fresh Water
Test Lines	11/14/2010 07:10		0.5	0.1			2200.0	Fresh Water
Pump Spacer 1	11/14/2010 07:16		4	20			110.0	Fresh Water
Pump Spacer 2	11/14/2010 07:24		3	20			90.0	Gel Water with 5 gal. LGC 36 and 30 lbs. Tuff Fibre

Sold To #: 344034

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Quote #:

Sales Order #:

7763504

SUMMIT Version: 7.20.130

Sunday, November 14, 2010 10:03:00

Activity Description	Date/Time	Cht #	Rate m3/min	Volume m3		Pressure MPa		Comments
				Stage	Total	Tubing	Casing	
Pump Spacer 1	11/14/2010 07:35		2	20			100.0	Fresh Water
Pump Lead Cement	11/14/2010 07:42		5	74.6			222.0	176 sks of VersaCem @ 12.3# - 2.38 yield - 13.75 H2O requirement
Pump Tail Cement	11/14/2010 07:59		5	26.7			153.0	105 sks of SwiftCem @ 14.2#-1.43 Yield-6.85 H2O requirement
Shutdown	11/14/2010 08:05							
Drop Top Plug	11/14/2010 08:06							
Pump Displacement	11/14/2010 08:07		5	96.2			340.0	Fresh Water
Slow Rate	11/14/2010 08:26		2	86			340.0	Slowed to 2 bpm
Bump Plug	11/14/2010 08:33		2	96.2			903.0	Bumped Plug @ calculated displacement and 500 psi over
Check Floats	11/14/2010 08:44							Floats Held
Pressure Test	11/14/2010 08:48						1500.0	Testing Casing @ 1500 psi for 30 min
Release Casing Pressure	11/14/2010 09:22						1544.0	Pressure Held to 1544 psi
End Job	11/14/2010 09:24							Stopped charging time at end of casing pressure test.
Safety Meeting - Pre Rig-Down	11/14/2010 09:30							HES Personell
Rig-Down Equipment	11/14/2010 09:45							
Rig-Down Completed	11/14/2010 10:30							
Safety Meeting - Departing Location	11/14/2010 10:45							
Depart Location for Service Center or Other Site	11/14/2010 11:00							

Total Depth = 1325, Total Casing = 1301, Shoe Joint =54, Mud Weight =9.1# . Casing remained stationary throughout job and was chained down. 0 bbls of cement returned to surface, Co Rep will check level of cement after 24 hrs. 231 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

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Quote # :

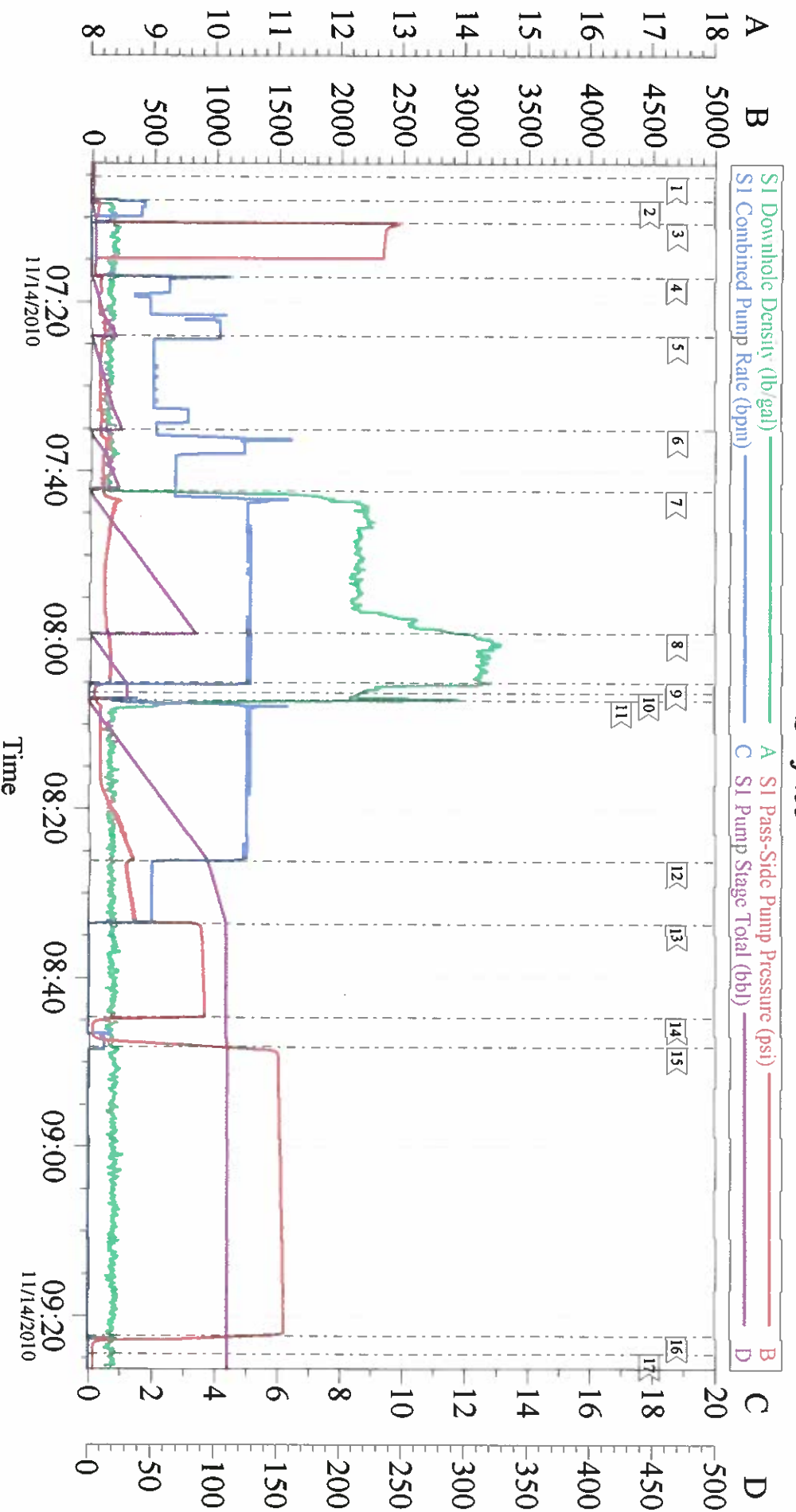
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Sundav. November 14. 2010 10:03:00

OXY **Surface**



Customer: OXY
Well Description: 797-03-23B
Company Rep: Roy Kimball

Job Date: 14-Nov-2010
Job Type: Surface
Cement Supervisor: Dean Daniel

Sales Order #: 7763504
ADC Used: Yes
Elite #/Operator: 9/Paul Salazar