
ENTEK GRB LLC

**Roubidoux 13-15T
SLATER DOME
Moffat County , Colorado**

Squeeze Perfs
04-May-2011

Job Site Documents

The Road to Excellence Starts with Safety

The Road to Excellence Starts With Safety			
Sold To #: 361955	Ship To #: 2852026	Quote #:	Sales Order #: 8149367
Customer: ENTEK GRB LLC		Customer Rep: Workover, .	
Well Name: Roubidoux		Well #: 13-15T	API/UWI #: 05-081-07457
Field: SLATER DOME	City (SAP): CRAIG	County/Parish: Moffat	State: Colorado
Legal Description: Section 13 Township 12N Range 89W			
Contractor:		Rig/Platform Name/Num:	
Job Purpose: Squeeze Perfs			
Well Type: Development Well		Job Type: Squeeze Perfs	
Sales Person: COLLINS, JAMES		Srvc Supervisor: NELSON, CODY	MBU ID Emp #: 460315

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
CROITZ, JONATHAN Hollis	6	379787	LEATHAM, AARON J	6	481938	MADINGER, ROBERT W	6	451816
MAEDCHE, JAMES R	6	391220	NELSON, CODY Curtis	6	460315	PAYZANT, GARY Fred	6	380528

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
5/4/11	6	3						

TOTAL Total is the sum of each column separately

Job

Job Times

Formation Name	Top	Bottom	Called Out	Date	Time	Time Zone
Formation Depth (MD)			On Location	04 - May - 2011	04:00	MST
Form Type	BHST		Job Started	04 - May - 2011	10:00	MST
Job depth MD	6050. ft	Job Depth TVD	Job Completed	04 - May - 2011	12:17	MST
Water Depth		Wk Ht Above Floor	Departed Loc	04 - May - 2011	14:52	MST
Perforation Depth (MD)	From	To		04 - May - 2011	16:00	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
6 1/4" Open Hole Retainer	Unknown			6.25				6122.	7800.		
Retainer	Unknown							3600.	3600.		
Retainer	Unknown							6050.	6050.		
7" Intermediate Casing	Unknown		7.	6.366	23.		J-55	.	6122.		
2 7/8" Tubing	Unknown		2.875	2.441	6.5			.	3390.		
2 7/8" Tubing	Unknown		2.875	2.441	6.5			.	6050.		

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	7	1	HES	3628	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	Fresh Water		10.00	bbl	8.34	.0	.0	.0		
2	Mountain G	CMT - PREMIUM - CLASS G, 94 LB SK (100003685)	60.0	sacks	15.8	1.15	4.98		4.98	
	94 lbm	CMT - PREMIUM - CLASS G REG OR TYPE V, BULK (100003685)								
	0.2 %	HALAD(R)-322, 50 LB (100003646)								
	4.977 Gal	FRESH WATER								
3	Displacement			bbl	8.34	.0	.0	.0		
Calculated Values		Pressures		Volumes						
Displacement		Shut In: Instant	650	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						

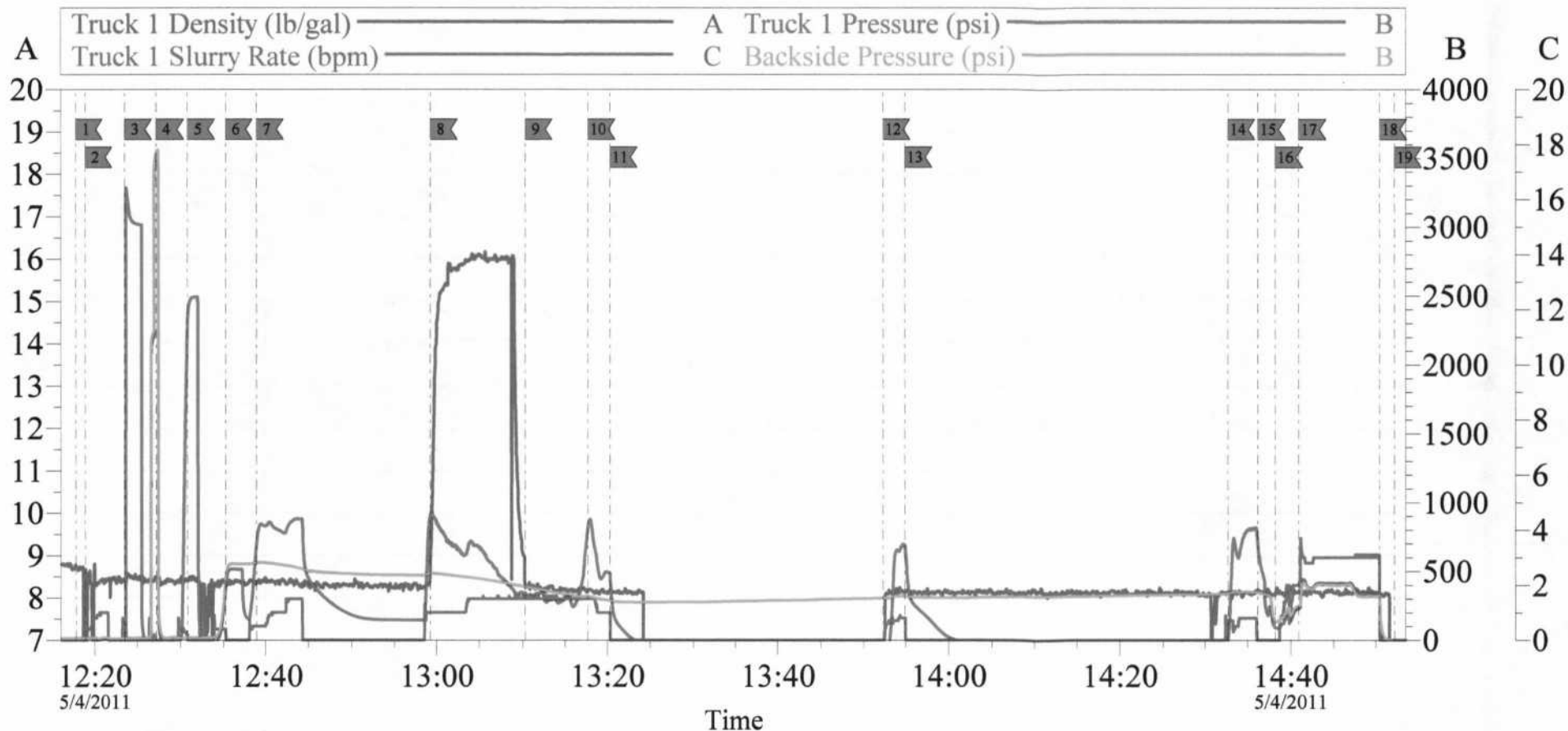
The Road to Excellence Starts with Safety

Sold To #: 361955	Ship To #: 2852026	Quote #:	Sales Order #: 8149367
Customer: ENTEK GRB LLC		Customer Rep: Workover, .	
Well Name: Roubidoux	Well #: 13-15T	API/UWI #: 05-081-07457	
Field: SLATER DOME	City (SAP): CRAIG	County/Parish: Moffat	State: Colorado
Legal Description: Section 13 Township 12N Range 89W			
Lat: N 0 deg. OR N 0 deg. 0 min. 0 secs.		Long: E 0 deg. OR E 0 deg. 0 min. 0 secs.	
Contractor:		Rig/Platform Name/Num:	
Job Purpose: Squeeze Perfs		Ticket Amount:	
Well Type: Development Well		Job Type: Squeeze Perfs	
Sales Person: COLLINS, JAMES		Srv Supervisor: NELSON, CODY	MBU ID Emp #: 460315

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	05/04/2011 03:00							CUSTOMER REQUESTED CEMENT CREW TO BE ON LOCATION 5/4/11 @ 10:00
Depart Yard Safety Meeting	05/04/2011 05:50							
Depart from Service Center or Other Site	05/04/2011 06:00							
Arrive At Loc	05/04/2011 10:00							
Assessment Of Location Safety Meeting	05/04/2011 10:05							
Pre-Rig Up Safety Meeting	05/04/2011 10:10							
Rig-Up Equipment	05/04/2011 10:15							
Rig-Up Completed	05/04/2011 11:30							
Pre-Job Safety Meeting	05/04/2011 11:45							
Rig-Up Equipment	05/04/2011 12:00							RIG UP FLOOR
Start Job	05/04/2011 12:17	1						
Pump Water	05/04/2011 12:18	2	1	2	2		20.0	BREAK CIRCULATION
Test Lines	05/04/2011 12:23	3						TEST HES PUMPS AND LINES TO 3000
Test Lines	05/04/2011 12:27	4						TEST HES PUMPS AND LINES TO 3000
Test Lines	05/04/2011 12:30	5				2500. 0		TEST TUBING TO 2500 PSI
Pressure Up Annulus	05/04/2011 12:35	6					500.0	PUT 500 PSI ON THE BACKSIDE

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Establish Rate	05/04/2011 12:38	7	1.5	6	8		840.0	ESTABLISH INJECTION RATE 1.5 BPM @ 840 PSI, ISIP 650 PSI
Pump Lead Cement	05/04/2011 12:59	8	1.5	3	11		911.0	PUMPED 15 SKS OF 15.8 #/GAL, 1.15 FT/SK, 4.97 GAL/SK LEAD CEMENT WITH 20 LBS OF SALT, AND 4 LBS OF VERSASET
Pump Tail Cement	05/04/2011 13:01	8	1.5	9	20		725.0	PUMPED 45 SKS OF 15.8 #/GAL, 1.15 FT/SK, 4.97 GAL/SK TAIL CEMENT
Pump Displacement	05/04/2011 13:10	9	1.5	14.5	34.5		870.0	PUMPED H2O DISPLACEMENT
Slow Rate	05/04/2011 13:18	10	1	2	36.5		475.0	SLOW RATE DUE TO LOSS OF PSI
Shutdown	05/04/2011 13:20	11						SHUTDOWN HESITATE ON CEMENT FOR 30 MIN
Pump Displacement	05/04/2011 13:52	12	1	2	38.5		684.0	PUMPED H2O DISPLACEMENT
Shutdown	05/04/2011 13:54	13						SHUTDOWN HESITATE ON CEMENT FOR 30 MIN
Pump Displacement	05/04/2011 14:32	14	1	2	40.5		813.0	PUMPED H2O DISPLACEMENT
Shutdown	05/04/2011 14:36	15						
Other	05/04/2011 14:38	16						RIG STUNG OUT OF RETAINER WITH 1/2 BBL OF CEMENT IN TUBING
Reverse Circ Well	05/04/2011 14:40	17	3	30	70.5		400.0	REVERSED OUT 1/2 TO 1 BBL OF GOOD CEMENT
Shutdown	05/04/2011 14:50	18						
End Job	05/04/2011 14:52	19						
Post-Job Safety Meeting (Pre Rig-Down)	05/04/2011 14:55							
Rig-Down Equipment	05/04/2011 15:00							
Rig-Down Completed	05/04/2011 15:50							
Pre-Convoy Safety Meeting	05/04/2011 15:55							

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Crew Leave Location	05/04/2011 16:00							



Local Event Log

Intersection		T1D T1P T1SR BP					Intersection		T1D T1P T1SR BP				
1	START JOB	12:17:46	8.715	-27.00	0.000	14.00	2	BREAK CIRCULATION	12:18:53	8.650	-28.00	0.767	14.00
3	TEST LINES	12:23:34	8.430	35.96	0.000	12.00	4	TEST LINES	12:27:16	8.474	3519	0.000	3551
5	TEST TUBING	12:30:49	8.410	2371	0.000	16.00	6	PUT 500 PSI ON THE BACKSIDE	12:35:16	8.349	433.7	0.000	472.7
7	ESTABLISH INJECTION RATE	12:38:57	8.390	721.9	0.500	563.0	8	PUMP CEMENT	12:59:17	9.056	911.1	1.000	486.0
9	PUMP H2O DISPLACEMENT	13:10:17	8.260	341.6	1.500	387.9	10	SLOW RATE	13:17:45	8.190	838.0	1.500	319.0
11	SHUTDOWN/HESITATE	13:20:20	8.180	425.0	0.000	288.0	12	PUMP H2O DISPLACEMENT	13:52:21	-0.190	-32.00	0.000	305.0
13	SHUTDOWN/HESITATE	13:54:56	8.140	684.0	0.800	320.0	14	PUMP H2O DISPLACEMENT	14:32:42	8.129	19.77	0.700	338.0
15	SHUTDOWN	14:36:14	8.174	650.9	0.000	344.4	16	RIG PULLED OUT OF RETAINER	14:38:13	8.134	88.00	0.000	138.0
17	REVERSE OUT	14:40:55	8.150	230.0	2.005	249.0	18	SHUTDOWN	14:50:28	8.081	214.1	0.000	224.4
19	END JOB	14:52:13	-0.255	-33.00	0.000	-2.000							

Customer: ENTEK
Well Description: ROUBIDOUX 13-15T

Job Date: 04-May-2011
Job Description SQUEEZE

Sales Order #: 8149367
Supervisor CODY NELSON

OptiCem v6.4.9
04-May-11 15:27