

The Road to Excellence Starts with Safety

Sold To #: 303297		Ship To #: 2482566		Quote #:		Sales Order #: 4258445	
Customer: CIMAREX ENERGY CO				Customer Rep: Walker, Steve			
Well Name: State 14 A Com			Well #: 2		API/UWI #: 30-015-34604		
Field: MILLMAN		City (SAP): LOCO HILLS		County/Parish: Eddy		State: New Mexico	
Legal Description: Section 14 Township 19S Range 29E							
Contractor: Cactus Drilling Co.			Rig/Platform Name/Num: Cactus Drilling122				
Job Purpose: Cement Surface Casing							
Well Type: Development Well			Job Type: Cementing				
Sales Person: RINGHOFFER, ALEX			Srvc Supervisor: REZA, HECTOR			MBU ID Emp #: 104476	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BURNS, JARRED Wayne	20	359190	FRANKLIN, MELVIN D	20	362498	HARRIS, JIMMY	10.0	352531
MAC EWEN, MILES	9.5	339318	REZA, HECTOR N	11.0	104476			

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10243538	25 mile	10582268	25 mile	10633273	25 mile	10744576C	25 mile
7093	25 mile	75010	25 mile				

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
3/7/06	2	0	3/8/06	15	2.5			

TOTAL	Total is the sum of each column separately							
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Job

Formation Name	Formation Depth (MD)	Top	Bottom	Form Type	Job depth MD	Water Depth	Perforation Depth (MD)	From	To	Job Times	Date	Time	Time Zone
				BHST	427 ft					Called Out	07 - Mar - 2006	19:00	CST
				85 degF						On Location	07 - Mar - 2006	22:30	MST
										Job Started	08 - Mar - 2006	05:44	MST
										Job Completed	08 - Mar - 2006	14:00	MST
										Departed Loc	08 - Mar - 2006	15:30	MST

Well Data

Description	New / Used	Max pressure	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
Surface Open Hole				17.5				0	400		
Surface Casing	New		13.375	12.615	54.5	8 RD (ST&C)	J-55	0	400		

Sales/Rental/3rd Party (HES)

Description	Qty	Qty uom	Depth	Supplier
PLUG,CMTG,TOP,WOODN,TWO CUP TY,13 3/8	1	EA		
SHOE,CSG,TIGER TOOTH,13-3/8 8RD	1	EA		
CLR,FLOAT,TROPHY SEAL,13 3/8 8RD	1	EA		
CENTRALIZER-13 3/8"-CSG-17 1/2"-HINGED	5	EA		
CLAMP - LIMIT - 13-3/8 - HINGED -	1	EA		
KIT,HALL WELD-A	2	EA		
HR-7 CEMENT RETARDER	100	LB		
SUGAR	50	EA		

Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe		1	HES		Packer					Top Plug		1	HES
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar		1	HES		Retainer					SSR plug set			
Insert Float										Plug Container		1	HES
Stage Tool										Centralizers		5	HES

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	Premium Plus - Single Cement Slurry	CMT - PREMIUM PLUS CEMENT (100012205)	450	sacks	14.8	1.35	6.37	6.0	6.37
6.365 Gal		FRESH WATER							
2 %		CALCIUM CHLORIDE - HI TEST PELLET (100005053)							
2	Premium Plus Thixotropic	CMT - PREMIUM PLUS CEMENT (100012205)	150	sacks	14.2	1.64	7.0		7.0
2 %		CALCIUM CHLORIDE - HI TEST PELLET (100005053)							
10 lbm		CAL-SEAL 60, 100 LB BAG (100005051)							
10 lbm		GILSONITE, BULK (100003700)							
0.5 lbm		FLOCELE - 3/8, 25 LB SK (100005049)							
6.996 Gal		FRESH WATER							
3	premium plus	CMT - PREMIUM PLUS CEMENT (100012205)	150	sacks	14.8	1.35	6.3		.0
2 %		CALCIUM CHLORIDE - HI TEST PELLET (100005053)							
Calculated Values		Pressures		Volumes					
Displacement	58	Shut In: Instant		Lost Returns	YES	Cement Slurry	185	Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	YES	Actual Displacement	58.5	Treatment	
Frac Gradient		15 Min		Spacers	H2O	Load and Breakdown		Total Job	243
Rates									
Circulating	5	Mixing	5	Displacement	5	Avg. Job	5		
Cement Left In Pipe	Amount	42 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: MILLMAN	City (SAP): LOCO HILLS	County/Parish: Eddy	State: New Mexico
Legal Description: Section 14 Township 19S Range 29E			
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: Cactus Drilling Co.		Rig/Platform Name/Num: Cactus Drilling122	
Job Purpose: Cement Surface Casing			Ticket Amount: \$ 23,888.29
Well Type: Development Well		Job Type: Cementing	
Sales Person: RINGHOFFER, ALEX		Srvc Supervisor: REZA, HECTOR	MBU ID Emp #: 104476

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	03/07/2006 19:00							
Safety Meeting - Service Center or other Site	03/07/2006 21:00							
Depart from Service Center or Other Site	03/07/2006 21:15							
Arrive At Loc	03/07/2006 22:00							
Assessment Of Location Safety Meeting	03/07/2006 22:30							
Other	03/07/2006 22:45							Spot pump & bulk equipment
Safety Meeting - Pre Rig-Up	03/07/2006 23:00							
Rig-Up Equipment	03/07/2006 23:05							
Rig-Up Completed	03/08/2006 00:45							
Wait on Customer or Customer Sub-Contractor Equip	03/08/2006 00:46							
Rig-Up Equipment	03/08/2006 05:00							Rig up floor
Rig-Up Completed	03/08/2006 05:20							
Safety Meeting - Pre Job	03/08/2006 05:30							
Start Job	03/08/2006 05:44		1	2			15	
Test Lines	03/08/2006 05:48		1	0.1		1700		
Pump Spacer 1	03/08/2006 05:51		6	21			135	Fresh water
Pump Cement	03/08/2006 05:56		6	44			205	150 sx Premium Plus Thixotropic @14.2, 1.64, 7

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Lead Cement	03/08/2006 06:04		5.5	105			255	450 sx Premium Plus, 2% C.C., 14.8, 1.35, 6.37
Drop Top Plug	03/08/2006 06:28		3	3			75	Drop plug on the fly. Wash up on top of plug.
Pump Displacement	03/08/2006 06:28		4.5				15	Fresh water
Other	03/08/2006 06:49		2	56			112	Slow rate
Bump Plug	03/08/2006 06:50		2	58.5			795	
Check Floats	03/08/2006 06:51							Didn't hold
Bump Plug	03/08/2006 06:53		1.5				785	
Check Floats	03/08/2006 06:54							Didn't hold
Bump Plug	03/08/2006 06:56		1.5				750	
Check Floats	03/08/2006 06:57							Didn't hold
End Job	03/08/2006 06:58							Didn't circulate cement had no returns
Other	03/08/2006 07:15							Called for more cement
Safety Huddle	03/08/2006 07:30							
Rig-Up Equipment	03/08/2006 07:35							Rigged up wash up line
Rig-Up Completed	03/08/2006 08:10							
Post-Job Safety Meeting (Pre Rig-Down)	03/08/2006 14:20							
Pump Spacer 1	03/08/2006 14:39		0.5		0.5	140		H2O AHEAD
Pump Cement	03/08/2006 14:39		2.5		36	600		PUMP & MIX 150 SKS P+ 2%CC
End Job	03/08/2006 14:39							CIRCULATED 35 SKS TO PIT
Depart Location for Service Center or Other Site	03/08/2006 15:39							THANKS HECTOR REZA & CREW ARTESIA N.M