



## Service Order for i-District Job 331948

<b>Customer Name:</b> ENCANA USA - PARACHUTE FIELD O	<b>Person Taking Call:</b>	<b>Location:</b> Grand Junction, CO WS	<b>Order Date:</b>	<b>Job Number:</b> 331948
<b>Service Order Number:</b> B7O8-00076	<b>Service Line:</b> Cementing	<b>Supervisor:</b> Dellit, Christopher	<b>Legal Location:</b>	
<b>Well Name and Number:</b> SGU 8502B-36 B36 496	<b>Pad/Platform:</b>	<b>Field:</b> Story Gulch	<b>County:</b> Garfield	<b>State/Prov:</b> Colorado
<b>Well Master Number:</b> 0631165496	<b>API/UWI:</b>	<b>Rig Name:</b> PATTERSON 308	<b>Well Age:</b>	<b>Sales Engineer:</b>
<b>Job Type:</b> Cementing – 9 5/8" Surface Casing	<b>Time Well Ready:</b>	<b>Deviation:</b>	<b>Hole Size:</b> 14.75 in	<b>Well MD:</b> 3000 ft
<b>Well TVD:</b> 3000 ft	<b>BHP:</b>	<b>BHST:</b> 115 °F	<b>BHCT:</b> 95 °F	<b>Treat Down:</b> Casing
<b>Packer Type:</b>	<b>Packer Depth:</b>	<b>Well Head Connection:</b> 9 5/8 Cement Head	<b>HHP on Location:</b>	<b>Max Allowed Pressure:</b> 4000 psi
<b>Max Allowed Ann Pressure:</b> 1500 psi		<b>Job Stage Number:</b>	<b>FTL Ticket/Quote Number :</b> B7O8-00076	
<b>Expected on Location:</b> 3/12/2010 6:00 AM	<b>Ready to Pump:</b>	<b>Job Start Date:</b> 3/12/2010 6:00 AM	<b>Job End Date:</b> 3/13/2010 6:00 AM	
<b>Leave for Job:</b> 3/12/2010 6:00:00 AM		<b>Arrive from Job:</b> 3/13/2010 6:00:00 AM		

<b>Casing/Tubing</b>						<b>Service Instructions:</b> Cement 9 5/8" Surface Casing @ 3000ft w/ 75% Excess  160bbls CemNET + in mud  30bbls ZONELOCK  50bbls MUDPUSH  1065sks 9.0ppg LiteCRETE  348sks 12.5ppg Tail (TOT @ 2500ft)  Displace with water  CemNET in all slurry
<b>String Type</b>	<b>Depth</b>	<b>Size</b>	<b>Weight</b>	<b>Grade</b>	<b>Thread</b>	
Casing	120 ft	20 in	94 lb/ft			
Casing	3000 ft	9.625 in	36 lb/ft			
<b>Perforations</b>						
<b>Top</b>	<b>Bottom</b>	<b>SPF</b>	<b>No of Shots</b>	<b>Formation Name</b>		
<b>Total Interval:</b> 0			<b>Diameter:</b>			
<b>Coiled Tubing</b>						
<b>Size</b>	<b>Thickness</b>	<b>Length</b>	<b>String ID</b>	<b>Reel ID</b>		

<b>Client Contact</b>						
<b>Name</b>	<b>Voice</b>	<b>Fax</b>	<b>Email</b>	<b>Title</b>	<b>Company</b>	<b>Notes</b>
Curt Childers	303-353-5358					
<b>Notes:</b> 9 5/8" swedge/AR 9 5/8" head, bowl, plug 1000lbs of CemNET 1600lbs of CemNET + 600lbs of S001 Take extra iron Take mudhose						

**Directions:**

Materials				
Name	Code	Description	Quantity	Density
12.5ppg Surface Tail		LiteFill + 6%D053 + 0.2%D046 + 0.25pps D029	109.00 bbl	12.50 lb/gal
8.6 MudPush		49bbls Water + 215lbs D182 + 775lbs D031	50.00 bbl	8.60 lb/gal
9.0 LiteCRETE		LiteCRETE Blend + 0.8%D079 + 0.8%D065 + 0.4%D013 + 0.2%D046 + 0.25pps D029	537.00 bbl	9.00 lb/gal
B290	B290	CemNET+	1,600.00 lb	
D095	D095	D095 Cement Additive	1,000.00 lb	
S001	S001	Calcium Chloride S1	600.00 lb	

**Fluid Systems:**

12.5ppg Surface Tail				
LiteFill + 6%D053 + 0.2%D046 + 0.25pps D029				
Sacks Of:	Cement	Total Blend/Cem:	34,772.00	lb
Sack Weight:	100.00 lb	Dry Blend Code:		
Yield:	1.76 ft3/sk	Final Fluid Density:	12.50	lb/gal
Mix Water:	7.03 ft3/sk	Base Fluid Den:		
Mix Fluid:	7.03 ft3/sk	Volume:		
Mix Water Den:	8.32 lb/gal	Base Fluid Vol:		
Sacks Blend/Cem:	347.72 sks	Acid Volume:		
Total Mix Water:	69.17 m3	Acid Conc:		
Total Mix Fluid:	69.17 m3			
Load out Excess				
Code	Conc	Design	Total by design	Load out with excess
D901	83.000 lb/sk	WTSK	28,860.76 lb	28,860.76 lb
D124	17.000 lb/sk	WTSK	5,911.24 lb	5,911.24 lb
D053	6.000 lb/sk	WTSK	2,086.32 lb	2,086.32 lb
D046	0.200 lb/sk	WTSK	69.54 lb	69.54 lb
D029	0.250 lb/sk	WTSK	86.93 lb	86.93 lb

8.6 MudPush				
49bbls Water + 215lbs D182 + 775lbs D031				
Sacks Of:	Total Blend/Cem:			
Sack Weight:	Dry Blend Code:			
Yield:	Final Fluid Density: 8.60 lb/gal			
Mix Water:	Base Fluid Den:			
Mix Fluid:	Volume: 50.00 bbl			
Mix Water Den:	Base Fluid Vol:			
Sacks Blend/Cem:	Acid Volume:			
Total Mix Water:	Acid Conc:			
Total Mix Fluid:	Load out Excess			
Code	Conc	Design	Total by design	Load out with excess
D031	232.000 lb/bbl	BWVSpacerV O		
D182	5.000 lb/bbl	BWVSpacerV O		

9.0 LiteCRETE				
LiteCRETE Blend + 0.8%D079 + 0.8%D065 + 0.4%D013 + 0.2%D046 + 0.25pps D029				
Sacks Of:	Cement		Total Blend/Cem:	106,538.00 lb
Sack Weight:	100.00 lb		Dry Blend Code:	
Yield:	2.83 ft3/sk		Final Fluid Density:	9.00 lb/gal
Mix Water:	10.62 ft3/sk		Base Fluid Den:	
Mix Fluid:	10.62 ft3/sk		Volume:	
Mix Water Den:	8.32 lb/gal		Base Fluid Vol:	
Sacks Blend/Cem:	1,065.38 sks		Acid Volume:	
Total Mix Water:	320.30 m3		Acid Conc:	
Total Mix Fluid:	320.30 m3			
Load out Excess				
Code	Conc	Design	Total by design	Load out with excess
D124	53.000 lb/sk	WTSK	56,465.14 lb	56,465.14 lb
D907	37.000 lb/sk	WTSK	39,419.06 lb	39,419.06 lb
D154	10.000 lb/sk	WTSK	10,653.80 lb	10,653.80 lb
D079	0.800 lb/sk	WTSK	852.30 lb	852.30 lb
D065	0.800 lb/sk	WTSK	852.30 lb	852.30 lb
D013	0.400 lb/sk	WTSK	426.15 lb	426.15 lb
D046	0.200 lb/sk	WTSK	213.08 lb	213.08 lb
D029	0.250 lb/sk	WTSK	266.35 lb	266.35 lb

Resources				
Personnel	Equipment 1	Equipment 2	Assignment	Note
	2CSS19597		3/15/2010 3:06 AM - 3/16/2010 3:06 AM	
	2CSS4360 (FNM)		3/15/2010 3:06 AM - 3/16/2010 3:06 AM	