



## Service Order for i-District Job 357426

<b>Customer Name:</b> ENCANA USA - PARACHUTE FIELD OFC	<b>Person Taking Call:</b> Bolding, Russell	<b>Location:</b> Grand Junction, CO WS	<b>Order Date:</b>	<b>Job Number:</b> 357426			
<b>Service Order Number:</b> B2K7-00060	<b>Service Line:</b> Cementing	<b>Supervisor:</b> Borg, Terry	<b>Legal Location:</b>				
<b>Well Name and Number:</b> Shideler, 30-15D	<b>Pad/Platform:</b>	<b>Field:</b> Mamm Creek	<b>County:</b> GARFIELD	<b>State/Prov:</b> CO			
<b>Well Master Number:</b> 0631147184	<b>API/UWI:</b>	<b>Rig Name:</b> NABORS M15	<b>Well Age:</b> NEW	<b>Sales Engineer:</b> Hudson, Matthew			
<b>Job Type:</b> Cementing – 9 5/8" Surface Casing	<b>Time Well Ready:</b>	<b>Deviation:</b> 0 deg	<b>Hole Size:</b> 12.25 in	<b>Well MD:</b> 1250 ft			
<b>Well TVD:</b> 1250 ft	<b>BHP:</b>	<b>BHST:</b> 100 °F	<b>BHCT:</b> 85 °F	<b>Treat Down:</b> Casing			
<b>Packer Type:</b>	<b>Packer Depth:</b>	<b>Well Head Connection:</b> 9 5/8"	<b>HHP on Location:</b> 550 hhp	<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> B2K7-00060				
<b>Expected on Location:</b>	<b>Ready to Pump:</b>	<b>Job Start Date:</b> 4/28/2010 10:51 AM	<b>Job End Date:</b> 4/29/2010 10:51 AM				
<b>Leave for Job:</b> 4/28/2010 10:51:00 AM		<b>Arrive from Job:</b> 4/29/2010 10:51:00 AM					
<b>Casing/Tubing</b>			<b>Service Instructions:</b> Cement 9 5/8" surface casing @ 1250 ft in 12 1/4" OH with  20 bbl water  264 sks 12.5 ppg Lead  149 sks 15.8 ppg Tail  Displace with water				
<b>String Type</b>	<b>Depth</b>	<b>Size</b>			<b>Weight</b>	<b>Grade</b>	<b>Thread</b>
Casing	40 ft	16 in			65 lb/ft		
Casing	1250 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>	
Tim Phillips	970-812-0015						
<b>Notes:</b> 9 5/8" head, bowl, plug							
<b>Directions:</b>							

Materials				
Name	Code	Description	Quantity	Density
12.5ppg Surface Lead		G + 2%D79 + 0.2%D46 + 0.25pps D29	100.00 bbl	12.50 lb/gal
15.8ppg G Tail		D907 + 1.25%S001 + 0.2%D046 + 0.25pps D29	31.00 bbl	15.80 lb/gal

## Fluid Systems:

12.5ppg Surface Lead				
G + 2%D79 + 0.2%D46 + 0.25pps D29				
Sacks Of:	Cement	Total Blend/Cem:	25,012.46	lb
Sack Weight:	94.00 lb	Dry Blend Code:		
Yield:	2.11 ft3/sk	Final Fluid Density:	12.50	lb/gal
Mix Water:	12.13 gal/sk	Base Fluid Den:		
Mix Fluid:	12.13 gal/sk	Volume:		
Mix Water Den:	8.32 lb/gal	Base Fluid Vol:		
Sacks Blend/Cem:	266.09 sks	Acid Volume:		
Total Mix Water:	12.22 m3	Acid Conc:		
Total Mix Fluid:	12.22 m3			
				Load out Excess
Code	Conc	Design	Total by design	Load out with excess
D907	94.000 lb/sk	WTSK	25,012.46 lb	25,012.46 lb
D079	1.880 lb/sk	WTSK	500.25 lb	500.25 lb
D046	0.188 lb/sk	WTSK	50.02 lb	50.02 lb
D029	0.250 lb/sk	WTSK	66.52 lb	66.52 lb

15.8ppg G Tail				
D907 + 1.25%S001 + 0.2%D046 + 0.25pps D29				
Sacks Of:	Cement	Total Blend/Cem:	13,983.44	lb
Sack Weight:	94.00 lb	Dry Blend Code:		
Yield:	1.17 ft3/sk	Final Fluid Density:	15.80	lb/gal
Mix Water:	5.09 gal/sk	Base Fluid Den:		
Mix Fluid:	5.09 gal/sk	Volume:		
Mix Water Den:	8.32 lb/gal	Base Fluid Vol:		
Sacks Blend/Cem:	148.76 sks	Acid Volume:		
Total Mix Water:	2.87 m3	Acid Conc:		
Total Mix Fluid:	2.87 m3			
				Load out Excess
Code	Conc	Design	Total by design	Load out with excess
D907	94.000 lb/sk	WTSK	13,983.44 lb	13,983.44 lb
S001	1.175 lb/sk	WTSK	174.79 lb	174.79 lb
D046	0.188 lb/sk	WTSK	27.97 lb	27.97 lb
D029	0.250 lb/sk	WTSK	37.19 lb	37.19 lb

