

The Road to Excellence Starts with Safety

Sold To #: 375989		Ship To #: 3987786		Quote #:		Sales Order #: 0905962312					
Customer: CONFLUENCE DJ LLC-EBUS					Customer Rep: JOSH						
Well Name: JUDY			Well #: 3-4			API/UWI #: 05-123-50294-00					
Field: WATTENBERG		City (SAP): HUDSON		County/Parish: WELD			State: COLORADO				
Legal Description: SW SW-34-1N-65W-620FSL-743FWL											
Contractor: ENSIGN DRLG					Rig/Platform Name/Num: ENSIGN 122						
Job BOM: 7521 7521											
Well Type: DIRECTIONAL OIL											
Sales Person: HALAMERICA\HX38199					Srv Supervisor: Lance Carpenter						
Job											
Formation Name											
Formation Depth (MD)		Top			Bottom						
Form Type					BHST						
Job depth MD		1549ft			Job Depth TVD		1549				
Water Depth					Wk Ht Above Floor		3				
Perforation Depth (MD)		From			To						
Well Data											
Description	New / Used	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft	
Casing		8.625	8.097	24			0	1546	0		
Open Hole Section			12.25				0	1555			
Tools and Accessories											
Type	Size in	Qty	Make	Depth ft		Type	Size in	Qty	Make		
Guide Shoe	8.625			1546		Top Plug	8.625	1			
Float Shoe	8.625					Bottom Plug	8.625		HES		
Float Collar	8.625			1505		SSR plug set	8.625		HES		
Insert Float	8.625					Plug Container	8.625	1	HES		
Stage Tool	8.625					Centralizers	8.625		HES		
Fluid Data											
Stage/Plug #: 1											
Fluid #	Stage Type	Fluid Name			Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal
1	Mud Flush III (Powder)	Mud Flush III			40	bbl	8.4			8	

Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft ³ /sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal
2	13.5# SwiftCem	SWIFTCEM (TM) SYSTEM	496	sack	13.5	1.74		8	9.17

Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft ³ /sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal
3	Displacement fluid		96	bbl	8.3			8	

Cement Left In Pipe	Amount	Reason	Shoe Joint
Mix Water:	pH 7	Mix Water Chloride: 100 ppm	Mix Water Temperature: 72 °F
Cement Temperature:	## °F °C	Plug Displaced by: 8.34# Water	Disp. Temperature: ## °F °C
Plug Bumped?	Yes	Bump Pressure: 581 psi	Floats Held? Yes
Cement Returns:	24 bbl	Returns Density: ## lb/gal kg/m ³	Returns Temperature: ## °F °C

Comment

JOB WENT WELL. NO ACCIDENT, INJURY OR SPILL. 10 BBL RED DYE SPACER PUMPED BEFORE 40 BBL MUD FLUSH SPACER. CEMENT VOLUMES VERIFIED BY MIX GALLONS AND PRESSURIZED MUD SCALES. DROPPED TOP PLUG AFTER CEMENT. PUMPED 96 BBL DISPLACEMENT WATER WASHING UP FIRST 10 BBL ON TOP OF PLUG. RED DYE RETURNS AT 20 BBL AWAY. MUD FLUSH RETURNS AT 30 BBL AWAY. CEMENT RETURNS AT 72 BBL AWAY, 24 BBL GOOD CEMENT TO SURFACE. FINAL CIRCULATING PRESSURE 581 PSI AT 3 BPM. TOOK TO 1000 PSI AND HELD. CHECKED FLOATS. FLOATS HELD WITH ½ BBL BACK.

TOP OF CEMENT – SURFACE WITH 24 BBL BACK

2.0 Real-Time Job Summary

2.1 Job Event Log

Type	Seq. No.	Activity	Graph Label	Date	Time	Source	PS Pump Press <i>(psi)</i>	DH Density <i>(ppg)</i>	Comb Pump Rate <i>(bbl/min)</i>	Comments
Event	1	Comment	Call Out	9/8/2019	08:30:00	USER				CREW CALLED OUT. ON LOCATION TIME 1230
Event	2	Depart Shop for Location	Depart Shop for Location	9/8/2019	11:45:00	USER				CREW HAS VERIFIED MATERIALS AND EQUIPMENT FOR JOB. CREW HAS JOURNEY MANAGEMENT SAFETY MEETING DISCUSSING ROUTE, CONVOY ORDER, FOLLOWING DISTANCE, HAZARDS, COMMUNICATION AND DEPARTS FOR LOCATION
Event	3	Arrive At Loc	Arrive At Loc	9/8/2019	12:00:00	USER				CREW ARRIVES AT LOCATION. TIGHT LOCATION AND NEED TO SPOT IN AFTER CASING ON BOTTOM. RIG RIH CASING AT A COUPLE HUNDER FEET.
Event	4	Casing on Bottom	Casing on Bottom	9/8/2019	16:15:00	USER				RIG HAD TO WAIT FOR ONE JOINT OF CASING. CASING ARRIVED AND RIH. CASING ON BOTTOM
Event	5	Safety Meeting	Safety Meeting	9/8/2019	16:40:00	USER	21.00	8.69	0.00	CREW IS READY TO BEGIN. CREW, RIG CREW AND CUSTOMER REP HAVE PRE JOB SAFETY MEETING DISCUSSING HAZARDS, MUSTER AREAS, RED ZONES, SLIPS TRIPS FALLS, WEATHER CONDITIONS, ROLES, CONTINGENCIES AND JOB PROCEEDURE
Event	6	Start Job	Start Job	9/8/2019	16:45:57	COM6	94.00	8.62	7.10	START JOB
Event	7	Test Lines	Test Lines	9/8/2019	17:17:03	COM6	2371.00	8.46	0.00	FILL LINES WITH 3 BBL WATER. PRESSURE TEST HES LINES TO 3000 PSI.
Event	8	Pump Spacer 1	Pump Spacer 1	9/8/2019	17:23:14	COM6	36.00	8.41	0.00	PUMP 10 BBL RED DYE SPACER
Event	9	Pump Spacer 2	Pump Spacer 2	9/8/2019	17:26:34	COM6	63.00	8.39	4.00	PUMP 40 BBL MUDFLUSH SPACER
Event	10	Pump Cement	Pump Cement	9/8/2019	17:34:51	COM6	115.00	8.42	6.00	PUMP 153 BBL SWIFTCEM CEMENT 13.5# 1.74 YIELD 9.17 GAL 496 SACKS
Event	11	Shutdown	Shutdown	9/8/2019	18:12:07	USER	86.00	13.58	4.70	SHUTDOWN
Event	12	Drop Top Plug	Drop Top Plug	9/8/2019	18:15:09	COM6	47.00	20.38	0.00	DROP TOP PLUG

Event	13	Pump Displacement	Pump Displacement	9/8/2019	18:15:13	COM6	46.00	20.38	0.00	PUMP 96 BBL WATER DISPLACENT. WASH UP FIRST 10 BBL ON TOP OF PLUG. RED DYE AT 20 BBL AWAY. MUD FLUSH AT 30 BBL AWAY. CEMENT AT 72 BBL AWAY. 24 BBL CEMENT TO SURFACE
Event	14	Bump Plug	Bump Plug	9/8/2019	18:45:27	COM6	771.00	8.19	3.20	BUMP PLUG. FINAL CIRCULATING PRESSURE 581 PSI AT 3 BPM. TOOK TO 1000 PSI AND HELD FOR A FEW MINUTES
Event	15	Comment	Bump Plug	9/8/2019	18:47:27	USER	611.00	8.18	0.00	bled off pressure and measured returns. floats holding. 1/2 BBL back
Event	16	Safety Meeting	Safety Meeting	9/8/2019	18:50:00	USER	58.00	8.16	0.00	CREW HAS PRE RIG DOWN SAFETY MEETING DISCUSSING WEATHER CONDITIONS, SLIPS TRIPS FALLS, LINE OF FIRE, 3 POINTS OF CONTACT, TEAM LIFTING, RIG OPERATIONS AND BEGIN RIGGING DOWN EQUIPMENT AND LINES
Event	17	Depart Location	Depart Location	9/8/2019	20:00:00	USER				CREW IS RIGGED DOWN AND WASHED UP. CREW HAS JOURNEY MANAGEMENT SAFETY MEETING DISCUSSING ROUTE, CONVOY ORDER, FOLLOWING DISTANCE, COMMUNICATION AND DEPART FROM LOCATION

3.0 Attachments

3.1 Judy 3-4 Surface – Job Chart

