

REF INVOICE # 11209

LOCATION 34 53

FOREMAN Kirk Ballhoos
John P. Scott, Custom

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
7-23-12	Cutler 16-68-1H-1	16	34	64N	Weld	
CHARGE TO	Coste	OWNER				
MAILING ADDRESS		OPERATOR Coste				
CITY		CONTRACTOR Ensign L32				
STATE ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION	8:00am	TIME LEFT LOCATION 2:00pm				

WELL DATA			PRESSURE LIMITATIONS		
THEORETICAL		INSTRUCTED			
HOLE SIZE 13 3/4	TUBING SIZE	PERFORATIONS			
TOTAL DEPTH 781	TUBING DEPTH	SHOTS FT	SURFACE PIPE ANNULUS LONG		
PBTD 731.74	TUBING WEIGHT	OPEN HOLE	STUBS		
CASING SIZE 9 5/8	TUBING CONDITION		TUBING		
CASING DEPTH 724.34		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT 36 lb	PACKER DEPTH		1 SURFACE PIPE		BREAK-DOWN BPM
CASING CONDITION good			1 PRODUCTION CASING		INITIAL BPM
PRESSURE SUMMARY			1 SQUEEZE CEMENT		FINAL BPM
BREAKDOWN or CIRCULATING psi		AVERAGE psi	1 ACID BREAKDOWN		MINIMUM BPM
FINAL DISPLACEMENT psi		150' psi	1 ACID STIMULATION		MAXIMUM BPM
ANNULUS psi		5 MIN SIP psi	1 ACID SPOTTING		AVERAGE BPM
MAXIMUM psi		15 MIN SIP psi	1 MISC PUMP		
MINIMUM psi			1 OTHER		HYDRO RATE X PRESSURE X 40.8

INSTRUCTIONS PRIOR TO JOB
 Rig up, set by meeting, Bit test, Per cement, Circ to BOPs H2C 2nd 16in Dye, wire Pump
 422 S/S cement at 30% Excess w/ 127 yield at 152 lbs cement. All cement stops w/ Release Plug Disp
 SLS BOP H2C Bump Plug At 250 psi w/ 2. ft Bit Limit. When Release Psg, wash up Rig down
 H2C 1st ok
 Arrive w/ 750 S/S cement 4500 lbs 16in Dye 95, 4 BOPs shoggy

DESCRIPTION OF JOB EVENTS

DESCRIPTION OF JOB EVENTS	Start Time	End Time	Rate
Drop Pkg	12:58pm	Disposal	12:58pm
20 BBIs AT 6 BBIs/min	1:00pm	4:00pm	400psi
30 BBIs AT 6 BBIs/min	1:03pm	4:00pm	400psi
40 BBIs AT 6 BBIs/min	1:04pm	5:00pm	500psi
50 BBIs AT 3.5 BBIs/min	1:09pm	4:00pm	400psi
56.5 BBIs AT 1 BBI/min	1:11pm	3:00pm	300psi
Bump Pkg	1:11pm	4:50pm	

used 4% excess
used 954 sls (most)
102.6 BBIs strategy

LEH/29685 amount 25.11.2015 KCL & Dye

Bolt Back 20

[Signature]
AUTHORIZATION TO PROCEED

NSS

72310

DATE _____

Customers hereby acknowledges and specifically agree to the terms and conditions on this work order including, without limitation, the provisions on the reverse side hereof which include the release and indemnity.