

HALLIBURTON**CEMENTING AND/OR SPECIAL TOOLS
SERVICE REPORT**ATTACH TO
INVOICE No. 62 626

HALLIBURTON DISTRICT

Grande Prairie

JOB
DATE 1985 04 02
YEAR MONTH DAY

OWNER, OPERATOR OR HIS AGENT STATES THE WELL IS IN GOOD CONDITION FOR THE SERVICE JOB TO BE PERFORMED AND SUBMITS THE FOLLOWING DATA.

CUSTOMER Arnco Industries Ltd.				FIELD OR AREA Cameron Hills				WELL No. AND LEASE Exco et al Cameron Hills											
CALLED OUT 85-03-23 17:00 DATE TIME		ON LOCATION 85-03-23 04:00 DATE TIME		JOB STARTED Stand By DATE TIME		JOB COMPLETED 85-04-02 24:00 DATE TIME		PROVINCE N.W.T.		LSD I-16		SEC		TWP		RANGE		MERIDIAN W	

TYPE OF JOB <input checked="" type="checkbox"/>		WELL OR HOLE DATA										PRODUCTS	
												EQUIPMENT	QUAN
SURFACE												BASKETS	
INTERMEDIATE												CENTRALIZERS	
PRODUCTION												CLAMPS	
LINER												FLOAT COLLAR	
SQUEEZE												FLOAT SHOE	
PLUG <input checked="" type="checkbox"/>												GUIDE SHOE	
PUMP												INSERT FLOAT	
PRESSURE TEST												SCRATCHERS	
OTHER												OTHER	

HOLE DATA:	HOLE SIZE	216	mm	TOTAL DEPTH	1622	m	TYPE MUD	Gel Chem	VISC.		DENSITY	
CASING, TUBING OR LINER DATA	NEW <input type="checkbox"/>	USED <input checked="" type="checkbox"/>	SIZE		mm	kg/m	GRADE		DEPTH		m	
			SIZE	101	mm	kg/m	20.83	GRADE		DEPTH	1408	m
PERFORATIONS: FROM _____ m TO _____ m FROM _____ m TO _____ m												
WASH FLUID TYPE: H ₂ O VOL. 15.0 m ³ DISPLACING FLUID TYPE: H ₂ O VOL. 1.5 m ³												
TEMP MIXING 20 °C SLURRY _____ °C DISPLACING 20 °C RETURNS Full °C												
DATA WATER												

EQUIPMENT

PACKER				CEMENT HEAD			
TYPE _____	SIZE _____	mm	TOP PLUG TYPE _____	CONTINUOUS <input type="checkbox"/> KNOCK OFF <input type="checkbox"/> SWAGE <input checked="" type="checkbox"/>			
DEPTH _____	m	TAIL _____	BOTTOM PLUG TYPE _____	OTHER _____			
SET _____	m	PIPE _____					

CEMENT DATA

TONNE	API CLASS	BRAND	BULK OR SACKED	CEMENT BLEND	ADDITIVES TYPE AND PERCENT	kg/m ³	m ³ /tonne
12.6	G	Inland	Bulk	Class "G"	0.1% HR-4 0.35 CFR-2	1895	0.76
6.5	G	Inland	Bulk	Class "G"	2% Cal Clor	1895	0.76

HALLIBURTON OPERATOR C. Sutherland CUSTOMER REP. _____**TREATING LOG**

CHART POSITION	TIME	RATE m ³ /min	VOLUME PUMPED IN m ³			PRESSURE MPa		REMARKS
			STAGE	TOTAL	IN FORMATION	TUBING	CASING	
1	19:47	0.636		1.424		3.0		Plug #1.
2	21:40	0.636		5.34		3.0		Plug #2.
3	05:10	0.636		2.025		3.0		Plug #3.
4	14:00	0.636		1.52		3.0		Plug #4.