RANGER OIL LIMITED

RANGER OIL

CASING AND CEMENT REPORT

WELL NAME: RANGER NOTA CREEK C-17

SUPERVISOR: LEE BRAZEL DATE: 98\01\14

CEMENTERS: DOWELL SCHLUMBERGER TOTAL DEPTH: 589 m

CASING

SURFACE CASING [ ] INTERMEDIATE CASING [X] PRODUCTION CASING [ ] LINER CASING [ ]

FROM TOP OF STRING:

JOINTS	O.D. (mm)	MASS (kg/m)	GRADE	COUPLING	RANGE	TORQUE	MAKE	LENGTH (m)
45	244.5	53.6	J-55	LT&C	3	6630	Prudential	589.58

GUIDE/FLOAT SHOE (m)	0.47
FLOAT COLLAR (m)	0.38
STAGE COLLAR (m)	
LINER HANGER (m)	
TOTAL STRING LENGTH (m)	590.43
STICK UP (m)	1.43
LANDED AT (m)	589
PLUG BACK T.D. (m)	
STAGE COLLAR TOP AT (m)	
LINER HANGER TOP AT (m)	
MARKER JOINT TOP AT (m)	
CUT OFF LENGTH (m)	4.5

CASING BOWL

MAKE: Barber
TYPE: ODSO
SIZE: 362.4 mm x 339.7 mm
RATING: 21000 kPa
SERIAL No:

SHOE JOINT WAS:

THREAD LOCKED [X]
WELDED [X]
GRD. ELEV 168.72 m
KB ELEV 172.22 m
FLANGE ELEV 167.07 m

SCRATCHERS:TYPE, NUMBER/JT, INTERVALS:

CENTRALIZERS (TYPE & COLLAR NUMBERS): Centralizer with lock ring on joints 1,2,4,26,36

CEMENTING

CONVENTIONAL CEMENTING [X] FOAMED CEMENTING [ ] STAGED CEMENTING [ ] OTHER [ ]

ITEM	TONNES	CLASS	TYPE	ADDITIVES	kg/m3	m3	RATE (m3/min.)
PRE-FLUSH			Mudpush XL	11kg\m3 of D149, .4%D31, .5%D47	1400	2	0.6
SCAVENGER							
LEAD	19		RFC	1%S1, .2%D46, 5L\tn F52.1	1740	16	0.9
TAIL							
DISPLACE			WATER	Fresh	1000	23.24	0.7

TIME MIXING STARTED	2114	HRS.	CEMENT HEAD TYPE	Plug Loading	
TIME DISPLACEMENT STARTED	2200	HRS.	WIPER PLUG TYPE	Rubber	
TIME PLUG BUMPED	2356	HRS	DISPLACEMENT PLUG TYPE	Rubber	
FINAL PUMPING PRESSURE	6500	kPa	VOLUME CEMENT RETURNS	nil	m3
PLUG BUMPING PRESSURE	10000	kPa	VOLUME LOST RETURNS	nil	m3
FLOATS HELD?	YES		CALCULATED CEMENT TOP AT	77	m

Pipe was reciprocated until 23 m3 left to displace. Cement volume based on caliper plus 20 % excess

MUD WEIGHT 1335 kg/m3 VISCOSITY 47 sec./l YIELD POINT 5 Pa SLIPS SET WITH 40 daN

ABANDONMENT PLUGS

	No. 1	No. 2	No. 3	No. 4	No. 5	No. 6	No. 7	No. 8
BOTTOM								
TOP								
CEMENT TONNES								
CEMENT TYPE								
ADDITIVES								
TIME SPOTTED HRS.								
TIME LOCATED HRS.								
DEPTH LOCATED								
FELT/LOGGED								

COMMENTS

BOWL CUT OFF? PLATE WELDED ON?