

EXISTING DOWNHOLE WELL PROFILE

Location: Ranger Fort Liard P-66A

Date: 3-Feb-99

KB (m) 459.89 GL (m) 449.49 KB to CF: 10.35 KB to THF: 8.60

	No. Joints	Size OD mm	Weight kg/m	Thread Collar	Grade	Landed @ mKB	Top @ mKB
Conductor Casing:	22	508.00	139.87	BT & C	K-55	262.66	Surface
Cement: Stage 1	80t 0:1:0 'G' + CaCl ₂ w/Lost circulation on displacement.						
Surface Casing:	79	339.70	101.20	BT & C	K-55	1008.00	Surface
Stage 1	92t 0:1:0 'G' + .2% D-13 + .5% D-69						
Intermediate Casing	51	244.50	79.62	BT & C	L-80	3115.00	2452.00
	180	244.50	69.94	BT & C	L-80	2452.00	Surface
Cement: Stage 1	17t 0:1:0 'G' + .35% D66 + 1.25% D160 + .5% D65 + .5% D28						
Stage 2	68t 0:1:0 'G' + .3% B71 + .5% D65 w/continuous returns. Est. Cement top @ 800m.						
Production Liner:	42	177.80	38.70	LT & C	L80	3499.00	2909.00
Cement: Stage 1	14.7t 0:1:0 'G' + 35% Silica + .5% D65 + .3% D28 + .2% D121 + 100l D135 + 1960l D600						
	+ 76l D47 displaced @ .6m3/min w/continuous returns throughout.						
Production Tubing:	215	88.90	13.84	NS-CT	L-80	3071.00	Surface

Perforations:	Upper Nihanni (gross interval)	3115.00	to	3172.00
	Middle Nihanni (gross interval)	3234.00	to	3302.00
	Lower Nihanni (w/TTG, net interval)	3324.00	to	3334.00
	Lower Nihanni (w/TTG, net interval)	3349.00	to	3356.00

FINAL TUBING STRING (Bottom Up)				Top
Item	Description	Length (m)		mKB
6	1 - 73mm x 2.99m L-80 NS-CT pup jt @ 9.67kg/m	2.99		3074.27
7	1 - 73mm x .30m INCOLOY 925 NSCT Otis 'X' nipple w/58.75mm profile.	0.30		3073.97
8	1 - 73mm x 1.06m INCOLOY 925 NSCT pup jt @ 9.67kg/m down.	1.06		3072.91
9	1 - 73mm x 177.8mm x 1.65 m INCOLOY 925 Halliburton 'BWB' perm packer	1.65		3071.26
10	1 - 73mm x .17m Otis mule shoe re-entry guide	0.17		3071.09
11	2 - 73mm x .43m (.86m total) Otis VTR Seal unit	0.43		3070.66
12	1 - 177.8mmx88.9mmx.46m Halliburton J-Slot latching head w/NSCT tread.	0.46		3070.20
13	1 - 88.9mm L-80 NSCT tubing jt @ 13.69kg/m	9.50		3060.70
14	1 - 88.9mm Otis 'XN' nipple w/69.85mm profile & 66.93mm No-Go.	0.31		3060.39
15	1 - 88.9mm x 3.03m L-80 NSCT pup jt @ 13.69kg/m	3.09		3057.30
16	166 - 88.9mm L-80 NSCT tubing jts @ 13.69kg/m	1559.17		1498.13
17	1 - 88.9mm Otis 'X' nipple w/71.45mm profile. (Landed 1500m @ 12.7")	0.39		1497.74
18	1 - 88.9mm x 3.03m L-80 NSCT pup jt @ 13.69kg/m	3.03		1494.71
19	157 - 88.9mm L-80 NSCT tubing jts @ 13.69kg/m	1474.63		20.08
20	1 - 88.9mm x 1.73m L-80 NSCT pup jt @ 13.69kg/m	1.73		18.35
21	1 - 88.9mm L-80 NSCT tubing jt @ 13.69kg/m	9.50		8.85
22	1 - 88.9mm Tubing Hanger	0.25		8.60

Dropped tools - Top Down				Top @
5	1 - 73mm x .31m Otis 'R' nipple w/55.58mm profile. EUE pin x NSCT box	0.31		3394.40
4	1 - 73mm x 1.24m L-80 EUE perforated nipple @ 9.67kg/m	1.24		3394.71
3	1 - 73mm x 3.04m L-80 EUE pup jt @ 9.67kg/m	3.04		3395.95
2	1 - 73mm x .49m Otis 'RN' EUE nipple w/55.58 profile & 51.05mm No-Go.	0.59		3398.99
1	1 - 73mm x .10m Otis wireline re-entry guide w/EUE thread.	0.10		3399.58

Total String Length (m) (Item 6 to 22)	3068.66
KB to Tubing Hanger Flange	8.60
Tubing Landed Depth (mKB)	3077.26

Tubing Weight	41646	daN	Wt. on Packer	9000	daN	Wt. on Hanger	32646	daN
Wellhead	Make:	Rector	W.P.	35MPa	Type:	Flanged		
Dual Master Valve	Make:	Rector	W.P.	35MPa	Type:	Flanged		
	Size:	79.375mm	Trim	A487				
Casing Valves	Make:	Rector	W.P.	35MPa	Type:	Flanged		
	Size:	79.375mm	Trim	A487				
Choke	Make:	N/A						

Surf. Casing Status:

Well Status: Temporary well suspension effective Sept. 2, 1998.

The tubing is suspended w/an Otis 'XN' plug landed in the 'XN' nipple @ 3060.39. The tubing was filled w/inhibited water, topped w/methanol & pressure tested to 28MPa. Installed a backpressure valve in the dognut. Secured.

The 88.9/244.5/177.8mm annulus is filled w/inhibited water, topped w/diesel and pressure tested to 21MPa.

NOTE: Dropped tools were temporary well suspension effective Feb. 19, 1999.

Net Perforations: 3115-3122; 3125-3130; 3134-3148; 3152-3159; 3165-3172; 3234-3248; 3260-3272; water, 3276-3280; 3285-3292; 3295-3302; 3324-3334 and 3349-3356mKB

