

PARAMOUNT ET AL FT. LIARD K-29A

(grid section 60° 30', 123° 30')

WID: 2030

(as of March 15, 2008)

All depths in mKB measured depth
unless otherwise noted

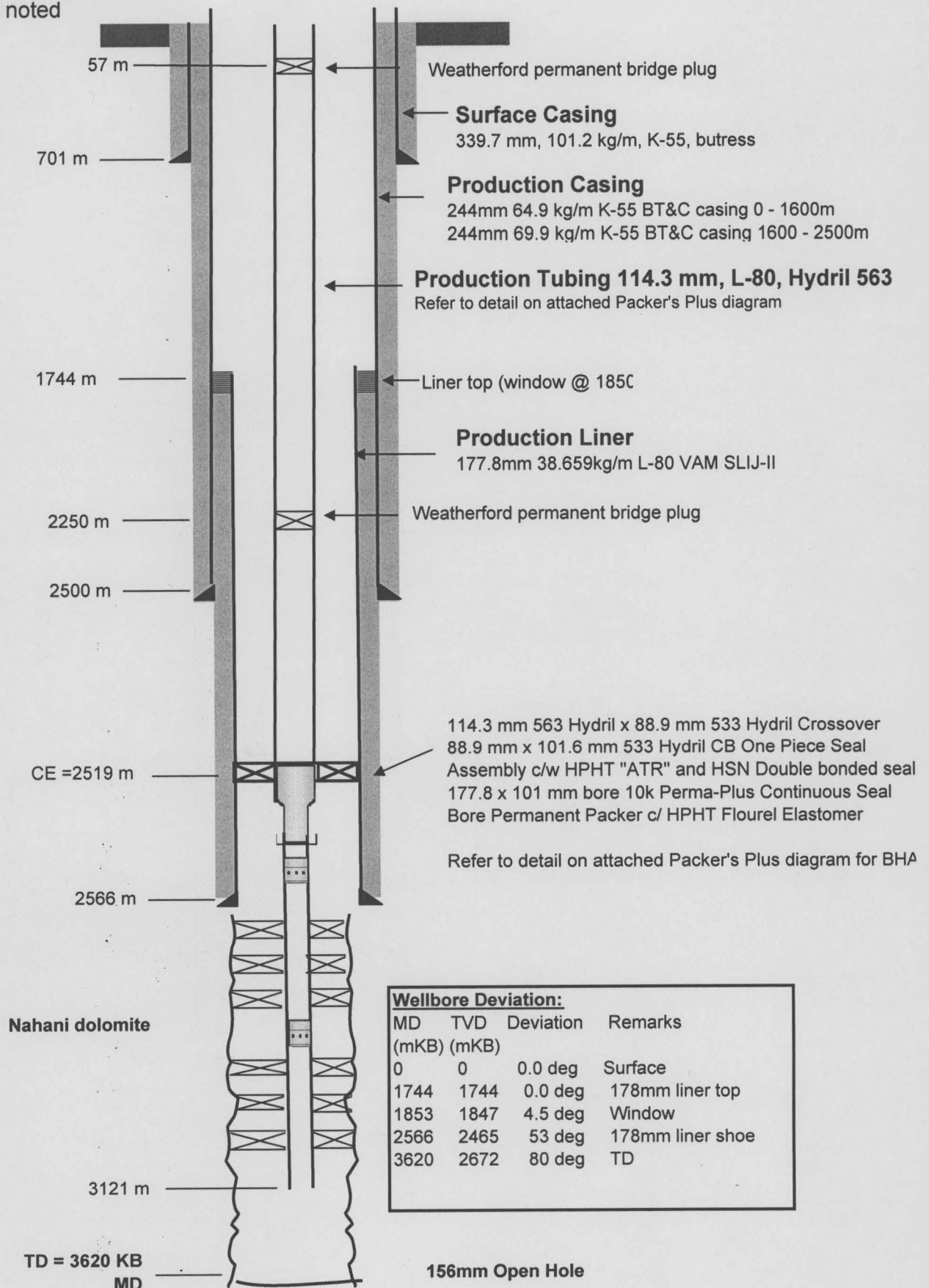
Elevations:

KB 416.4 mASL

GL 409.6 mASL

KB to GL 6.8 m

KB to CF 6.8 m



Wellbore Deviation:

MD (mKB)	TVD (mKB)	Deviation	Remarks
0	0	0.0 deg	Surface
1744	1744	0.0 deg	178mm liner top
1853	1847	4.5 deg	Window
2566	2465	53 deg	178mm liner shoe
3620	2672	80 deg	TD

PARAMOUNT ET AL FT. LIARD K-29/

(grid section 60° 30', 123° 30')

WID: 2030

(proposed for Aug 2011 suspension)

All depths in mKB measured depth
unless otherwise noted

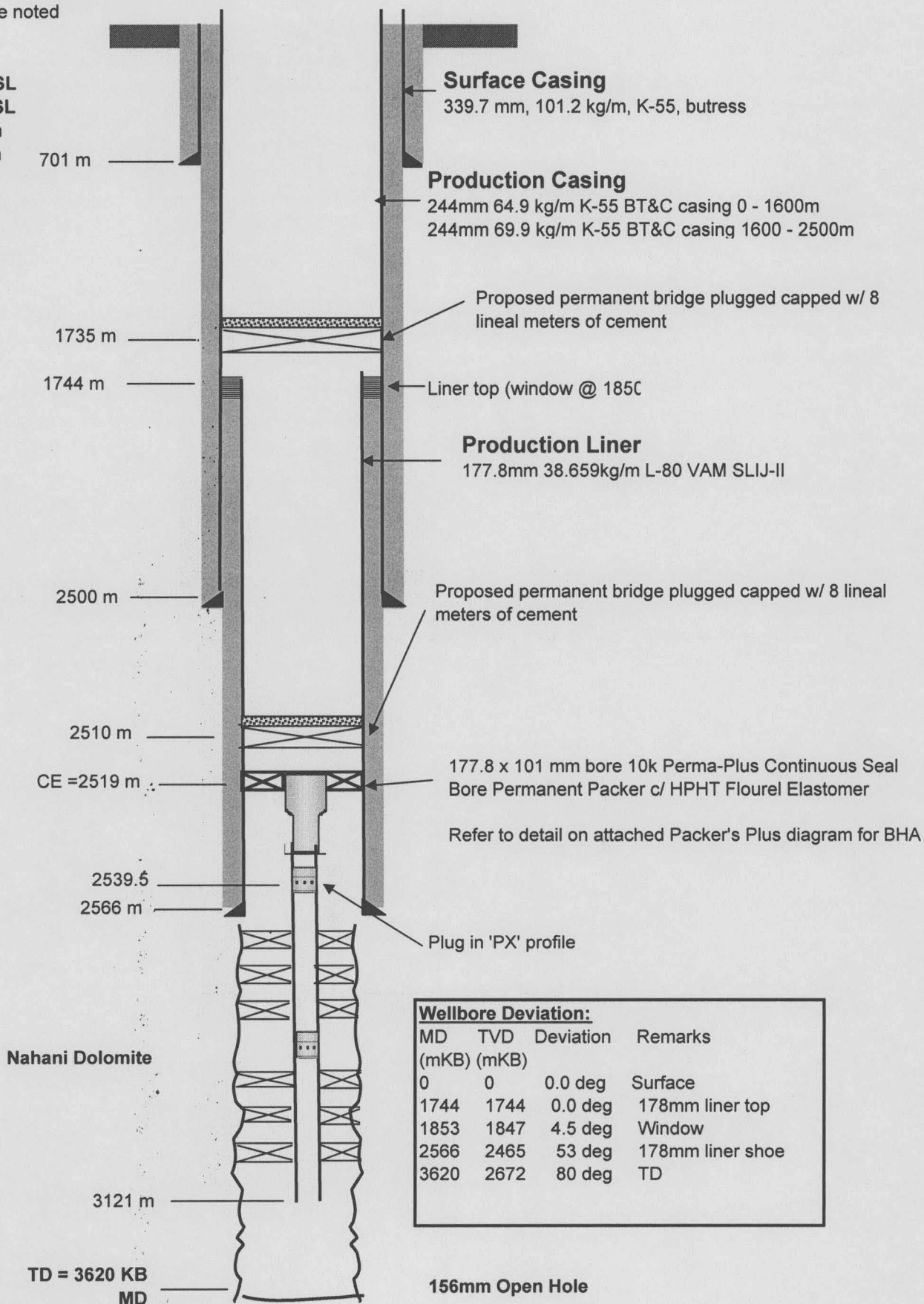
Elevations:

KB 416.4 mASL

GL 409.6 mASL

KB to GL 6.8 m

KB to CF 6.8 m





Do It Once.
Do It Right.

Final

Prepared for		Company		Date		
Grant Parr		Paramount Resources		Feb 25/06		
Well Name		Location		Type of Installation		
et al Liard		K-29A		Water Shut-Off		
Depth mkb	Drawing	Description	OD(mm)	ID(mm)	Length(m)	
Vertical Section		114.3mm ACME x 114.3mm 563 Hydril TBG Crossover	Kb-THF = 279.40mm Dognut =			
		114.3mm 563 Hydril L-80 18.97kg/m TBG Joint (1)	114.30	100.50	0.33	
		114.3mm 563 Hydril Pup Joint (4ft-1.04, 6ft-1.74, 8ft-2.30, 10ft-3.03m)	114.30	100.50	0.48	
		114.3mm 563 Hydril L-80 18.97kg/m TBG Joints (259)	114.30	100.50	9.57	
Build Section		244.6mm 64.9kg/m MN-80 Vam Pro CSG	Compression = 4000dan			
		Liner Top @ 1744.00mkb 177.8mm 38.69kg/m L-80 Vam	114.30	100.50	2486.95	
		Note : Window @ 1850mkb or 1847.33 TVD at 5.4 Deg	114.30	100.50	2.97	
		114.3mm 563 Hydril Pup Joint (10ft)	114.30	100.50	0.33	
Build Section		114.3mm 563 Hydril "PX" Nipple c/w 96.85mm Profile Set @ 40.10 Deg	129.48	96.85	0.33	
		147.63mm x 114.3mm 563 Hydril Fluted Swivel Centralizer	147.63	100.50	0.34	
		114.3mm 563 Hydril Pup Joint (2ft)	114.30	100.50	0.56	
		114.3mm 563 Hydril Pup Joint (10ft)	114.30	100.50	2.95	
Build Section		147.63mm x 114.3mm 563 Hydril Fluted Swivel Centralizer	147.63	100.50	0.18	
		114.3mm 563 Hydril x 88.9mm 533 Hydril Crossover	114.30	76.00	0.30	
		88.9mm x 101.60mm 533 Hydril CB One Piece Seal Assembly c/wHPHT "ATR"and HSN Double Bonded Seals also Inconel 718/ Incoloy 935 Severe Service(L = 6.10m)	101.60	76.20		
		177.8mm x 101.60mm Bore 10K Perma - Plus Continous Seal Bore Permanent Packer c/wHPHT Flourel Elastomer with Teflon Back-Up also Inconel 718/ Incoloy 925 Severe Service Set @ 41.80 Deg Top - CE = .50m	147.65	101.60	6.55	
Build Section		139.7mm x 88.9mm 533 Hydril Crossover Inconel 718/ Incoloy 925	139.70	76.00	0.26	
		88.9mm 533 Hydril Pup Joint (4ft) c/w SR 237 Coated	88.90	76.00	1.18	
		88.9mm 533 Hydril 13.84kg/m TBG Joint (1) SR 237 Coated	88.90	76.00	9.54	
		88.9mm 533 Hydril Pup Joint (8ft) c/w SR 237 Coated	88.90	76.00	2.36	
Build Section		88.9mm 533 Hydril Silikline Activated Fracport Tool c/w 69.85mm "PX" Profile and SR 237 Coated * Shift Up To Open with "B" Shifting Tool * Set @ 48 Deg	114.30	69.85	1.09	
		88.9mm 533 Hydril Pup Joint (10ft) c/w SR 237 Coated	88.90	76.00	2.94	
		88.9mm 533 Hydril "PX" Nipple c/w 69.85mm Profile SR 237 Coated Set @ 48 Deg	107.95	69.85	0.33	
		88.9mm 533 Hydril Pup Joint (4ft) c/w SR 237 Coated	88.90	76.00	1.06	
Build Section		CSG Shoe @ 2566mkb or 2465 TVD at 52 Deg Nahhani Open Hole	88.90	76.00		
		88.9mm 533 Hydril 13.84kg/m TBG Joints (35) SR 237 Coated	88.90	76.00	333.49	
		88.9mm 533 Hydril Pup Joint (8ft) c/w SR 237 Coated	88.90	76.00	2.34	
		177.8mm x 88.9mm 533 Hydril Rockseal II Hydraulic Set Open Hole Packer c/w HTHP Flourel VITON Elastomer With Teflon Back-Up and NACE Trim #180,000 Shear Top - CE = .35m Set @ 72.90 Deg	146.05	76.00	1.23	
Horizontal Section		147.63mm x 88.9mm 533 Hydril Fluted Swivel Centralizer c/w SR 237 Coated	88.90	76.00	0.29	
		88.9mm 533 Hydril Pup Joint (6ft) c/w SR 237 Coated	88.90	76.00	1.73	
		88.9mm 533 Hydril Pup Joint (8ft) c/w SR 237 Coated	88.90	76.00	1.73	
		177.8mm x 88.9mm 533 Hydril Rockseal II Hydraulic Set Open Hole Packer c/w HTHP Flourel VITON Elastomer With Teflon Back-Up and NACE Trim #180,000 Shear Top - CE = .35m Set @ 72.90 Deg	146.05	76.00	1.23	
Horizontal Section		147.63mm x 88.9mm 533 Hydril Fluted Swivel Centralizer c/w SR 237 Coated	147.63	76.00	0.29	
		88.9mm 533 Hydril Pup Joint (8ft) c/w SR 237 Coated	88.90	76.00	2.36	
		177.8mm x 88.9mm 533 Hydril Rockseal II Hydraulic Set Open Hole Packer c/w HTHP Flourel VITON Elastomer With Teflon Back-Up and NACE Trim #180,000 Shear Top - CE = .35m Set @ 72.90 Deg	146.05	76.00	1.23	
		147.63mm x 88.9mm 533 Hydril Fluted Swivel Centralizer c/w SR 237 Coated	147.63	76.00	0.29	
Horizontal Section		88.9mm 533 Hydril Pup Joint (8ft) c/w SR 237 Coated	88.90	76.00	2.36	
		177.8mm x 88.9mm 533 Hydril Rockseal II Hydraulic Set Open Hole Packer c/w HTHP Flourel VITON Elastomer With Teflon Back-Up and NACE Trim #180,000 Shear Top - CE = .35m Set @ 72.90 Deg	146.05	76.00	1.23	
		147.63mm x 88.9mm 533 Hydril Fluted Swivel Centralizer c/w SR 237 Coated	147.63	76.00	0.29	
		88.9mm 533 Hydril Pup Joint (2ft) c/w SR 237 Coated	88.90	76.00	0.46	
Horizontal Section		88.9mm 533 Hydril Pup Joint (6ft) c/w SR 237 Coated	88.90	76.00	1.73	
		177.8mm x 88.9mm 533 Hydril Rockseal II Hydraulic Set Open Hole Packer c/w HTHP Flourel VITON Elastomer With Teflon Back-Up and NACE Trim #180,000 Shear Top - CE = .35m Set @ 83.40 Deg	146.05	76.00	1.23	
		147.63mm x 88.9mm 533 Hydril Fluted Swivel Centralizer c/w SR 237 Coated	147.63	76.00	0.29	
		88.9mm 533 Hydril Pup Joint (8ft) c/w SR 237 Coated	88.90	76.00	2.34	
Horizontal Section		177.8mm x 88.9mm 533 Hydril Rockseal II Hydraulic Set Open Hole Packer c/w HTHP Flourel VITON Elastomer With Teflon Back-Up and NACE Trim #180,000 Shear Top - CE = .35m Set @ 83.40 Deg	146.05	76.00	1.23	
		147.63mm x 88.9mm 533 Hydril Fluted Swivel Centralizer c/w SR 237 Coated	147.63	76.00	0.29	
		88.9mm 533 Hydril Pup Joint (2ft) c/w SR 237 Coated	88.90	76.00	0.46	
		88.9mm 533 Hydril Pup Joints (8ft-2.35, 6ft-1.73m) c/w SR 237 Coated	88.90	76.00	85.81	
Horizontal Section		88.9mm 533 Hydril Silikline Activated Fracport Tool c/w 69.85mm "PX" Profile and SR 237 Coated * Shift Up To Open with "B" Shifting Tool * Set @ 80.70 Deg	114.30	69.85	1.09	
		88.9mm 533 Hydril Pup Joint (10ft) c/w SR 237 Coated	88.90	76.00	2.95	
		88.9mm 533 Hydril "PXN" Nipple c/w 69.85mm Profile and 66.93mm No-Go SR 237 Coated Set @ 79.50 Deg	107.95	66.93	0.37	
		88.9mm 533 Hydril Pup Joint (4ft) c/w SR 237 Coated	88.90	76.00	1.06	
Horizontal Section		88.9mm 533 Hydril 13.84kg/m TBG Joints (10) SR 237 Coated	88.90	76.00	95.32	
		88.9mm 533 Hydril Pup Joint (8ft) c/w SR 237 Coated	88.90	76.00	2.36	
		177.8mm x 88.9mm 533 Hydril Rockseal II Hydraulic Set Open Hole Packer c/w HTHP Flourel VITON Elastomer With Teflon Back-Up and NACE Trim #180,000 Shear Top - CE = .35m Set @ 83.40 Deg	146.05	76.00	1.23	
		147.63mm x 88.9mm 533 Hydril Fluted Swivel Centralizer c/w SR 237 Coated	147.63	76.00	0.29	
Horizontal Section		88.9mm 533 Hydril Pup Joint (8ft) c/w SR 237 Coated	88.90	76.00	2.34	
		177.8mm x 88.9mm 533 Hydril Rockseal II Hydraulic Set Open Hole Packer c/w HTHP Flourel VITON Elastomer With Teflon Back-Up and NACE Trim #180,000 Shear Top - CE = .35m Set @ 83.40 Deg	146.05	76.00	1.23	
		147.63mm x 88.9mm 533 Hydril Fluted Swivel Centralizer c/w SR 237 Coated	147.63	76.00	0.29	
		88.9mm 533 Hydril Pup Joint (2ft) c/w SR 237 Coated	88.90	76.00	0.46	
Horizontal Section		88.9mm 533 Hydril Pup Joint (6ft) c/w SR 237 Coated	88.90	76.00	1.73	
		177.8mm x 88.9mm 533 Hydril Rockseal II Hydraulic Set Open Hole Anchor Packer c/w HTHP Flourel VITON Elastomer With Teflon Back-Up and NACE Trim #180,000 Shear Top - CE = .35m Set @ 83.60 Deg	146.05	76.00	1.60	
		147.63mm x 88.9mm 533 Hydril Fluted Swivel Centralizer c/w SR 237 Coated	147.63	76.00	0.29	
		88.9mm EUE x 88.9mm 533 Hydril Crossover SR 237 Coated	88.90	76.00	0.31	
Horizontal Section		88.9mm 533 Hydril Pup Joint (2ft) c/w SR 237 Coated	88.90	76.00	0.46	
		88.9mm 533 Hydril Pup Joints (8ft-2.36m) c/w SR 237 Coated	88.90	76.00	2.36	
		88.9mm 533 Hydril 13.84kg/m TBG Joints (2) SR 237 Coated	88.90	76.00	19.06	
		88.9mm 533 Hydril Pup Joint (8ft) c/w SR 237 Coated	88.90	76.00	2.36	
Horizontal Section		88.9mm 533 Hydril OTIS "RN" Nipple c/w 65.07mm Profile and 59.16mm No-Go and SR 237 Coated Set @ 84.30 Deg	107.95	59.16	0.34	
		88.9mm 533 Hydril Pup Joint (8ft) c/w SR 237 Coated	88.90	76.00	2.42	
		147.63mm x 88.9mm 533 Hydril Fluted Swivel Centralizer c/w SR 237 Coated	147.63	76.00	0.29	
		88.9mm 533 Hydril Pump Out Plug c/w 25.4mm Seat For 31.75mm Ball and SR 237 Coated Note: 76.00mm ID When Ball Seat Is Pumped Out TD @ 3620mkb or 2681.80 TVD at 79.2 Deg	114.30	76.00	0.15	
Total						
780-402-7701		Don Gerig		Warren Kempert 780-832-1715		
Billed on Ticket# 9091, 9092						