



WELL TYPE:	Water Injector	FLUID WT:	1.26 SG	MAX DOGLEG:	2.6 @ 1,422.8
FIRST COMPLETED:	Nov 2006	RTE:	23.9 m	MAX DEVIATION:	17.9 deg @ 1626.6 m
WORKOVER DATE:	N/A	SWAB:	N/A	MINIMUM ID:	4.354 in @ 2,246.9 m
WORKOVER NO.:	N/A	KOP:	827.3 m	AV PAY ANGLE:	16.1 deg
ANNULUS FLUID:	Sodium Chloride	HUD:	2,389.5 m	REF LOG:	N/A

CASING / LINER / TUBING DATA							
SIZE	WEIGHT	GRADE	CONN.	JNTS	TOP MD	BTM MD	BTM TVD
30 in	457	X-52	ALT-2HT	1	820.0	867.0	867.0
	310	X-52	ST-2	3			
13-3/8"	68	L-80	BTC	69	819.2	1657.8	1650.0
9-5/8"	47	L-80	New VAM /	119	821.0	2357.1	2319.7
	47	L-80	VAM Top				
7"	29	L-80	VAM Top	109	823.0	2207.1	2175.5
5-1/2"	17	L-80	VAM Top	4	2207.1	2303.6	2268.3
6-5/8"	24	L-80	SL-HT	2	2363.0	2387.1	2348.4
Screens							

WELLHEAD DATA			
DESCRIPTION	MAKER	TYPE	SIZE & PRESSURE
XMAS TREE	Vetco	Horizontal	5" x 2", 5000 psi
WELLHEAD	Vetco	MS700, Drill-Thru	
TUBING HANGER	Vetco	MWR	5-1/2" & 5000 psi

MD (m)	TVD (m)	DIAGRAM	DESCRIPTION	ID (in)	OD (in)	DRIFT (in)	LENGTH (m)	COMMENTS
818.70	818.7		TUBING HANGER, Vetco 18.75" Model HT-SG, 5-1/2" 17lb/ft JFEBear Box Down 13Cr-80	4.875	13.375	4.767	0.208	Distance below THLOP: 0.208 m
			FLOW COUPLING CROSSOVER, 5-1/2" 17lb/ft JFEBear Pin x VAM Top Pin L-80	4.876	6.068	4.767	0.785	Distance above THLOP: 0.933 m.
			SAVER PUP JOINT, 5-1/2" 17lb/ft VAM Top L-80 Box x Pin	4.918	5.510	4.767	0.689	
			PUP JOINT, 5-1/2" 17lb/ft VAM Top L-80 Box x Pin	4.868	5.990	4.767	1.906	Mud Line: 823.1 m MDRT.
822.29	822.29		CROSSOVER, 5-1/2" 17lb/ft VAM Top Box x 7" 29lb/ft VAM Top Pin L-80	4.900	7.010	4.437	0.680	Water Depth: 799.2 m (relative to MSL)
			PUP JOINT, 7" 29lb/ft VAM Top L-80 Box x Pin	6.225	7.665	6.059	1.887	
			TUBING, 32 jts x 7" 29lb/ft VAM Top L-80 Box x Pin	6.184	7.699	6.059	400.042	
			PUP JOINT, 7" 29lb/ft VAM Top L-80 Box x Pin	6.243	7.029	4.437	1.895	Flow Coupler modified to include groove for anchoring the cross coupling clamp.
			FLOW COUPLING XOVER, 7" 29lb/ft VAM Top Box x 5-1/2" 17lb/ft JFEBear Pin L-80	4.882	7.660	4.767	1.403	Encapsulated (11x11mm) Control Line: 0.25" OD x 0.049" WT c/w Oceanic HW443. From the Tubing Hanger to the TRSSSV.
1,232.58	1,232.6		SCSSV, BOT 5-1/2" TSM-5 c/w Nipple Adapter with 4.562" BA profile, 5-1/2" 17lb/ft JFEBear Nickel Alloy 718 Box x Pin	4.562	7.669	4.437	2.522	
		FLOW COUPLING XOVER, 5-1/2" 17lb/ft JFEBear Box x 7" 29lb/ft VAM Top Pin L-80	4.873	7.020	4.767	1.408		
		PUP JOINT, 7" 29lb/ft VAM Top L-80 Box x Pin	6.250	7.029	4.767	1.892		
		TUBING, 77 jts x 7" 29lb/ft VAM Top L-80 Box x Pin	6.184	7.699	6.059	966.077		
		PUP JOINT, 7" 29lb/ft VAM Top L-80 Box x Pin	6.225	7.665	6.059	1.889		
2,206.37	2,174.82	CROSSOVER, 7" 29lb/ft VAM Top Box x 5-1/2" 17 lb/ft VAM Top Pin L-80	4.910	7.700	6.059	0.690		
		PUP JOINT, 5-1/2" 17lb/ft VAM Top L-80 Box x Pin	4.868	5.992	4.767	1.902	Pip tag depth: 2,209 m MDRT (5 RA tags installed in cross coupling clamp at the top of the tubing joint).	
		TUBING, 1 jt x 5-1/2" 17lb/ft VAM Top L-80 Box x Pin	4.892	6.033	4.767	12.809		
		PUP JOINT, 5-1/2" 17lb/ft VAM Top L-80 Box x Pin	4.932	5.996	4.653	1.900		
2,223.67	2,191.42	SEATING NIPPLE, BOT 5-1/2" x 4.437" 'AOF' Top No-Go Seating Nipple, 5-1/2" 17lb/ft VAM Top Ni Al 718 Box x Pin	4.437	5.995	4.437	0.700	Depth of Locking Profile: 2,224.11 m MDRT	
		PUP JOINT, 5-1/2" 17lb/ft VAM Top L-80 Box x Pin	4.930	5.998	4.437	1.903		
2,226.27	2,193.91	PACKER, BOT Size 831-475 Premier (Hydraulic/Hydrostatic Set) Retrievable Packer 5-1/2" 17lb/ft VAM Top L-80 Box x Pin, c/w Striker module, 90-80-90 HNBR Packing Elements and 90 Hd HNBR O-rings with PEEK Back Ups	4.892	8.062	4.437	3.405	Middle of Packer Element: 2,227.13 m MDRT.	
		PUP JOINT, 5-1/2" 17lb/ft VAM Top L-80 Box x Pin	4.886	5.966	4.767	1.904		
		TUBING, 1 jt x 5-1/2" 17lb/ft VAM Top L-80 Box x Pin	4.892	6.033	4.767	12.809		
		PUP JOINT, 5-1/2" 17lb/ft VAM Top L-80 Box x Pin	4.892	5.951	4.767	1.900		
2,246.29	2,213.15	SEATING NIPPLE, BOT 5-1/2" x 4.437" 'AOR' Bottom No-Go Seating Nipple, 5-1/2" 17lb/ft VAM Top Ni Al 718 Box x Pin	4.354	6.002	4.437	0.650	Depth of Locking Profile: 2,246.86 m MDRT	
		PUP JOINT 5-1/2" 17lb/ft VAM Top L-80 Box x Pin	4.892	5.951	4.767	2.016		
		PUP JOINT, 5-1/2" 17lb/ft VAM Top L-80 Box x Pin	4.892	6.033	4.767	4.894		
		PUP JOINT, 5-1/2" 17lb/ft VAM Top L-80 Box x Pin	4.868	5.992	4.767	1.905		
2,255.65	2,222.15	CROSSOVER SUB, 5-1/2" 17 lb/ft VAM Top Box x 7-5/8" 26.4 lb/ft VAM FJL Pin L-80	4.908	7.679	4.767	0.292		
2,255.94	2,222.43	SPACE OUT JOINT, 7-5/8" 26.4lb/ft VAM FJL L-80 Box x Pin 1JTS	6.896	7.679	6.844	14.179		
2,270.12	2,236.06	TELESCOPING SPACE-OUT JOINT, BOT 5-1/2", 7-5/8" 26.4 lb/ft VAM FJL Box x 5-1/2" 17 lb/ft VAM FJL Pin L-80. Remaining Shear Rings: 2 x 35,000lbs +/- 5%	4.908	8.114	4.767	0.235	Crossover Joint has been swallowed 7.15m by the TSOJ. The length of the crossover is 12.539 m.	
		CROSSOVER JOINT, 1jt 5-1/2" 17lb/ft VAM FJL Box x VAM Top Pin L-80	4.823	5.555	4.767	5.389		
		TUBING, 1 jt x 5-1/2" 17lb/ft VAM Top L-80 Box x Pin	4.879	6.050	4.767	12.789		
2,288.53	2,253.76	PRE-DRILLED TUBING, 1 jt x 5-1/2" 17lb/ft VAM Top L-80 Box x Pin drilled with 144 x 0.5" holes at 6 spf	4.879	6.050	4.767	12.790		
		PUP JOINT, 5-1/2" 17lb/ft VAM Top L-80 Box x Pin	4.879	6.050	4.767	1.904		
2,303.22	2,267.89	SNAP LATCH SEAL ASSEMBLY, BOT Size 190-60 Model 'S-22' c/w 2 x 90Hd Bonded Nitrile Seals, 5-1/2" 17lb/ft L-80 VAM Top Box x 1/2 Muleshoe	4.874	6.971	4.265	4.337	Seal Assembly c/w 2 x 'S-22' seal units, Model 'A' Tubing Spacer Nipple, 3 x 'S-22' seal units. Seal units 90Hd Bonded Nitrile.	
2,303.58	2,268.23	PACKER, BOT Size 96B2-60 Model SC-2R 7-5/8" 29.7lb/ft SC Hunting Boss Box L-80 c/w 90 Hd Nitrile Packing Element	6.000	8.440	4.767	1.768	Actual WEG Depth (wrt top of SC-2R Seal Bore): 2,307.6 m MDRT.	
2,305.35	2,269.94	GRAVEL PACK EXTENSION, BOT Size 198-60 Model CS-300 L-80 7-5/8" 29.7 lb/ft Hunting Boss Pin Up x 7" 26 lb/ft Hunting Seal Lock HT Pin Down c/w Size 198-60 Sliding Sleeve Housing	5.500	8.126	4.767	10.429	Pip tag depth: 2,305.1 m MDRT.	
2,315.78	2,279.97	PUP JOINT, 7 Hunting Seal Lock HT 26 LB/FT L-80 Box x Pin	6.300	7.070	4.767	1.123		
		QUICK CONNECT TOOL, BOT 7" 26lb/ft Hunting Seal Lock HT L-80 Box x Pin	6.300	7.070	4.767	2.045		
		PUP JOINT, 7" 26lb/ft Hunting Seal Lock HT L-80 Box x Pin	6.300	7.070	4.767	2.045		
2,318.94	2,283.01	ISOLATION VALVE, BOT Size 7.875" x 4.470" Model 'RB' 7" 26lb/ft Hunting Seal Lock HT L-80 Box x Pin c/w single piece ball temporary lock out feature and Viton O-rings	4.470	7.885	4.265	5.285		
		PUP JOINT, 7" 26lb/ft Hunting Seal Lock HT L-80 Box x Pin	6.300	7.100	6.151	2.047		
2,326.28	2,290.06	CROSSOVER, 7" 26 lb/ft Hunting Seal Lock NT Box x 6-5/8" 24 lb/ft Hunting Seal Lock HT Pin L-80	5.875	7.700	5.796	0.692		
		TUBING, 3 jts x 6-5/8" 24lb/ft Hunting Seal Lock HT L-80 Box x Pin	5.920	6.625	5.796	36.070		
2363.04	2,325.40	SCREENS, 2 jts x BOT 6-5/8" BAKERWELD 250 Screens 6-5/8" 24lb/ft Hunting Seal Lock HT L80 Box x Pin c/w 316L SS Jacket, 0.010" Screen Gauge	5.921	7.400	5.884	24.067		
		SEAL BORE, BOT 6-5/8" Anti Hydraulic Lock Seal Bore 6-5/8" 24lb/ft Hunting Seal Lock HT L-80 Box x Pin	4.000	6.640		1.236	The coupling OD and tubing ID are reported in the columns to the left. For 5-1/2" tubing the coupling ID and tubing OD are 4.896" and 5.500" respectively and for 7" tubing are 6.325" and 7.000" respectively.	
		PUP JOINT, 6-5/8" 24lb/ft Hunting Seal Lock HT L-80 Box x Pin	5.928	6.625	5.796	1.12		
2,390.00	2,351.31	SHOE, BOT 6-5/8" GPV Set Shoe 24lb/ft Hunting Seal Lock HT L-80 Box	N/A	7.378		0.540		
		Bottom of Lower Completion.						

PROTECTOR / CLAMP DATA				
NO.	SIZE	MAKER	TYPE	MATERIAL
2	5-1/2"	Impact Techniques	Cast	ASTM A216 WCB
35	7"	Impact Techniques	Cast	ASTM A216 WCB

NOTE:  
THIS SAMPLE, INCLUDING THE FORM LAYOUT AND EQUIPMENT SYMBOL BLOCKS AND THEIR IMAGES ARE COPYRIGHTED UNDER THE SAME TERMS AND CONDITIONS AS PETROFOCUS COMPLETIONS MANAGER SOFTWARE. PLEASE DO NOT REPRODUCE, COPY OR DISTRIBUTE WITHOUT THE EXPRESS CONSENT OF PETROFOCUS.