

DAILY DRILLING REPORT

DATE 85-01-31

WELL PCI FTAH TUXED LK. WELL NUMBER 11-47 CONTRACTOR ATCO/EQUITA #76 DAYS SINCE SPUD 20.5

MIDNIGHT DEPTH 760 PROGRESS 0 DAILY COST 88 734 TOTAL EST. COST 3 609 535 PRESENT STATUS PRESSURE TESTING B.O.P. STACK

TIME BREAKDOWN	HRS.	BIT #	SIZE	TYPE	SERIAL #	NOZZLES	IN	BIT DATA	WOB	RPM	METRES	HOURS	CONDITION
DRILL													
TRIP													

PFAM / CLEAN	DRILLING ASSEMBLY	PERSONNEL	NO.	HOURS	MUD DATA
CONDITIONING	ITEM / FNATH	OPERATOR	8	96	DEPTH
RIG SERVICE		CONTRACTOR	18	316	DENSITY
MECHANICAL DOWNTIME		SERVICES	31	372	VIS
SURVEY		DEVIATION DEPTH			RVN/P
CSG / GMI / WOL					QELS
HEADUP / PH TEST					WJF.C.
CORING					PH
LOGGING					% SAND
DSI					% SOLIDS
		KICK CONTROL			CA PPM
		ROP DRILL			CL
		HAPP			% OIL
		FORMATION INTEGRITY			HOLE VOL.
		MAXIMUM SICP			TANK VOL.
					MUD & CHEMICALS ADDED

BILOYED D.C. FORCE
STRING FORCE
DP HATING
MARGIN

24 NIPPLE UP

24 NIPPLE UP

24 NIPPLE UP

24 NIPPLE UP

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24 NIPPLE UP

REMARKS
WELD ON CASING BOW (10" 3000 X 958") - PRESSURE TESTED WELD TO 21000 KPA - NIPPLE UP B.O.P. STACK - PRESENTLY PRESSURE TESTING MANIFOLD VALVES & BLIND RAMS - DETAILED REPORT TO FOLLOW ON NEXT DRILLING REPORT AFTER TESTING IS COMPLETE -

04:00 = -28°C - FAIR WIND - PREPARE TO R.I.H.

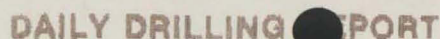
W 1216 mm BIT

CD01/ATGTC

FEB 1 10 37 AM '85

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DATE 85-41-30

DAYS
SINCE
SPUD 17.4

WELL PCI FTAL TUBED LK.		WELL NUMBER M-47		CONTRACTOR ATCO / EQU-TAK #76		DAYS SINCE SPUD 19.1	
MIDNIGHT DEPTH 760	PROGRESS 0	DAILY COST 178 847	TOTAL EST COST 3 520 801	PRESENT STATUS WELDING ON CASING BOWL			
TIME BREAKDOWN	HRS.	BIT #	SIZE	TYPE	SERIAL #	NOZZLED	IN BIT DATA OUT
DRILL		CASING & CMTC					
TRIP							
REAM / CLEAN		DRILLING ASSEMBLY ITEM		LENGTH	PERSONNEL	NO.	HOURS
CONDITIONING					OPERATOR		DEPTH
RIG SERVICE					CONTRACTOR		DENSITY
MECHANICAL DOWNTIME					SERVICES		VIS
SURVEY					DEVIATION DEPTH SURVEY		PV/YP
CSG							GELS
USO - CMT WOC	23						WL/P.C.
HEADUP / PR TEST	1						pH
CORING							% SAND
LOGGING							% SOLIDS
CMTC							CA PPM
					KICK CONTROL		CL
					BOP DRILL		% OIL
					RSPR		HOLE VOL.
					FORMATION INTEGRITY		TANK VOL.
					MAXIMUM SICP		MUD & CHEMICALS ADDED
TOTAL	24						
PUMP #1	TYPE	SIZE	X	SPM	LV	PRESS	AV
PUMP #2	TYPE	SIZE	X	SPM			
DECANDER	OF	kg/m ³	UF	kg/m ³	LITRES/MIN.	HOURS	
DESILTER	OF	kg/m ³	UF	kg/m ³	LITRES/MIN.	HOURS	
REMARKS							

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CCO / ATCTC

CUM. COB. 11539

REMARKS

RAN 61 JOINTS 244MM CASING (23 JOINTS - 30095-65 KG/M + 38 JOINTS - 680 - 60 KG/M) - FLOAT SHOE LANDED @ 760m - FLOAT COLLAR @ 749.34m - ECP @ 48.5m - D.V. TOOL @ 45m - FLUSHED CASING STRING W/ APPROX. 200 BBL MUD - CEMENTED BOTTOM STAGE WITH 64 TONNES CLASS 'G' NEAT - DROPPED DISPLACEMENT PLUG - DISPLACED W/ 9.9 m³ WATER - ANNULUS BRIDGED OFF - UNABLE TO MOVE CEMENT W/ 30,000 KPA (RASING BURST PRESSURE W/ S.F.) - ESTIMATE ANNULUS CEMENT TO 350m (LOST CIRC. AREA) - ECP SEATED WHILE PRESSURING UP ON CEMENT PLUG @ 30,000 KPA - OPENED D.V. TOOL @ 45m - CIRCULATED ANNULUS - OBSERVED FLUID LEVEL - DID NOT DROP - CEMENTED FROM 45m TO SURFACE W/ 4 TONNES CLASS 'G' + 2% CACK - DISPLACED W/ 1.8 m³ WATER. PLUG DOWN = 85-01-30-13:34 - 1.5 m³ GOOD CEMENT RETURNS TO SURFACE - PLUG DOWN ON 1st STAGE = 85-01-30-12:33 - W.O.C. + SHACKED OFF @ 23:00 - RIG OUT

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DAILY DRILLING REPORT

DATE 85-01-29

WELL PCI ETAL TWEED LK.		WELL NUMBER M-47		CONTRACTOR ATCO / AUTUM #76		DAYS SINCE SPUD 18.5	
MIDNIGHT DEPTH 760	PROGRESS 2	DAILY COST 112 957	TOTAL EST. COST 5 341 954	PRESENT STATUS RUNNING 245mm CASING			
TIME BREAKDOWN	HR.	BIT #	SIZE	TYPE	SERIAL #	NOZZLES	IN BIT DATA OUT
DRILL	5	9C.311	J73		2822	OPEN	624 760
TRIP	8.25						
REAM / CLEAN		DRILLING ASSEMBLY		PERSONNEL		MUD DATA	
CONDITIONING	4	BIT (311)		LENGTH	0.30	OPERATOR	8 96
RIG SERVICE	5	BIT SUB		LENGTH	1.17	CONTRACTOR	18 216
MECHANICAL DOWNTIME		3-D.C. (222)		LENGTH	27.57	SERVICES	34 408
SURVEY		JARS		LENGTH	5.49	DEVIATION DEPTH	
CSG. CNT WOC	3.25	X/O		LENGTH	.65	SURVEY	
HEADUP / PR TEST		15-D.C. (171)		LENGTH	141.40		
CORING		X/O		LENGTH	.77		
LOGGING	2.5	60-D.P. (114)		LENGTH	574.23		
DBI		KELLY		LENGTH	8.40		
				LENGTH	259.98	RICK CONTROL	
		BILOYED D.C. FORCE		LENGTH	28000	ROP DRILL	
		STRING FORCE		LENGTH	60000	HAPP	
		OP RATING		LENGTH	147000	FORMATION INTEGRITY	
		MARGIN		LENGTH	87000	MAXIMUM SICP	
TOTAL	24						

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PUMP B1 TYPE SIZE X GPM	PUMP B2 TYPE SIZE X GPM	DEBANDER OF kg/m ³ UF kg/m ³ LITRES/MIN HOURS	DEBITER OF kg/m ³ UF kg/m ³ LITRES/MIN HOURS
REMARKS			

GARRY ROBERSON & DON SKIFTS OF PETRO-CANADA
SAFETY DEPARTMENT VISITED RIG & CAMP SITE
85-01-28 - No major complaints - Both were satisfied
with the operations -
DRILLED 311mm HOLE FROM 758m TO 760m - MADE
5 STAND CLEAN OUT TRIP - CIRCULATED & CONDITIONED
HOLE - HOIST TO & LOG #1: L.S.-GR-CAL FROM 759m TO
64m - LOG #2: L.D.-GR FROM 759m TO 64m - LOG #3: DISPL
GR FROM 759m TO 64m - CRIPPER LOG INDICATES 13 3/8" CONDU
CTOR PIPE PARTED @ 49m AND DROPPED TO 54.5m - R.I.H. W/
311mm BIT - CIRCULATED & CONDITIONED HOLE W/FOAM -
SPOTTED 16m³ MUD - P.O.H. - LAY DOWN 9" D.C.'s & JARS
RIG TO RUN 245mm CASING -
05:00 = -34°C - CLEAR - RUNNING 245mm
CASING @ 10 JOINTS FROM BOTTOM - REQUIRED SEVERAL
REVOLUTIONS w/ POWER TONGS TO PASS THROUGH TIGHT
DOWN @ KNM -

DAILY DRILLING REPORT

DATE 85-01-28

WELL	PCI FT AL TWEEDALE		WELL NUMBER	M-47		CONTRACTOR	ATCO/EQUITAK #76		DAYS SINCE SPUD	17.5			
MIDNIGHT DEPTH	PROGRESS	DAILY COST	TOTAL EST COST	PRESENT STATUS									
738	87	84831	3 228747	DRILLING 311mm HOLE									
TIME BREAKDOWN	HRS.	BIT #	SIZE	TYPE	SERIAL #	NOZZLE	IN	BIT DATA	WOB	RPM	METRES	HOURS	CONDITION
DRILL	14.25	9C	311	J33	2822	OPEN	624	RUN	10-16	110	134	22.25	RUN
TRIP	1.5												
REAM / CLEAN	6.75	DRILLING ASSEMBLY				PERSONNEL	NO	HOURS	MUD DATA				
CONDITIONING		ITEM	LENGTH			OPERATOR	8	96	DEPTH				
RIG SERVICE	.25	BIT SUB	1.17			CONTRACTOR	18	216	DENSITY				
MECHANICAL DOWNTIME		3-D.C. (222)	22.59			SERVICES	33	396	VIS				
CURVE	.75	JARS (222)	5.49			DEVIATION			FWYP	FOAM			
CSG CMT WCC		X/O	.65			DEPTH	698		142	GFIS			
HEADUP / H TEST		15-D.C. (171)	141.40			736	134		WUPC	DRILLING			
CORING		X/O	.77						PH				
LOGGING		60-D.P. (114)	1574.23						% SAND				
OST		KELLY	6.40						% SOLIDS				
			758 YV			KICK CONTROL			CA PPM				
		BILOYED	28000			80° DRILL			CL				
		DC MOGE				ASPP			% OIL				
		STRING FORCE	40000			FORMATION			HOLE VOL				
		DP RATING	147000			INTEGRITY			TANK VOL				
		MARGIN	87000			MAXIMUM			MUD & CHEMICALS ADDED				
						SICP							
TOTAL	24												
PUMP	TYPE	SIZE	Y	SPM									
PUMP #1	TYPE	FOAM	DRILLING	LM	PRESS	3500	AV						
PUMP #2	TYPE												
DEBANDER	OF	KG/M	UP	KG/M	LITRES/MIN	HOURS							
DEBITER	OF	KG/M	UP	KG/M	LITRES/MIN	HOURS							
REMARKS													

DRILLED 311mm HOLE FROM 671m TO 736m -
MADE 15 STAND WIPER TRIP - HOLE TIGHT ON CONNECTION
PRIOR TO DUMMY TRIP - DRILLED AHEAD TO 758m - CONTROLLED DRILLING TO 15 MIN/M W/10 DAN ON BIT -

AFTER MIDNIGHT = T.D. 311mm HOLE @ 760m -
CONNECTION FAIRLY TIGHT @ 755m - WORKED DRILL STRING EVERY 1 METER FROM 755m - 5 STAND DUMMY TRIP WAS GOOD - TRIP OUT TO LOG WAS GOOD -

SOFT SHALE W/STRINGERS OF DOLOMITE FROM 723m
07:30 = LOGGING (#1) LSS-GR-CAL FROM 759m
FLUID LEVEL @ 350m - CASING SHOE @ 64m

TEMP = -30°C - CLEAR

YUGON HOPE
ART