

GULF ET AL GILBY 8-28-40-4	Status PUMPING OIL	Spud Date Jan 04 1991	Unique Well ID 00/08-28-040-04W5/00	K.B. 979.1m
	Prov / Field ALTA / GILBY	Finish Drill Jan 15 1991	Surface Hole Co-ord ---	Ground Elev. 974.1m
	Zone / Pool RUNDLE R	Rig Release Jan 21 1991	Surf. Hole Lat./Long ---	FTD (Meas'd) 2310.0m
		Date on Prod. Mar 01 1991	Bottom Hole Co-ord 750.5m N 360.0m W	Form at T.D. BANFF
	Class DEEPER-POOL TEST	Conf. Status C	Bot. Hole Lat./Long 52.47184 / 114.50975	True Vertical ---
	Operator CONOCO CANADA RESOU		Confidential Below ---	Plug Back T.D. ---

QC DATA TOPS				LOGS			
Formation	Measured Depth (m)	True Vertical Depth (m)	Subsea (m)	Formation	Measured Depth (m)	True Vertical Depth (m)	Subsea (m)
KNEE HILLS TUFF	510.0	---	658.1	MANNVILLE GRP	2057.0	---	-1078.9
SEARPAW	974.0	---	4.1	GLAUCONITIC SS	2167.0	---	-1188.9
BELLY RIVER	1102.5	---	-124.4	LOWER MANNVILLE	2175.0	---	-1196.9
BELLY RIVER SBT	1127.5	---	-149.4	1 ELLERRE	2181.0	---	-1292.9
BASAL BELLY RIVER	1306.0	---	-327.9	1 FERRE	2203.5	---	-1225.4
BUCK CREEK SS	1366.0	---	-387.9	1 ROCK CREEK	2204.5	---	-1226.4
BUCK CRK SS BSE	1377.5	---	-399.4	POKER CHIP SHALE	2218.0	---	-1239.9
RIBSTINE CK TONGUE	1381.0	---	-402.9	NORDEGG	2231.0	---	-1252.9
PAKOWI	1385.0	---	-406.9	otp PEKISKO	2254.5	---	-1276.4
MILK RIVER	1431.0	---	-452.9	BANFF	2289.0	---	-1310.9
1ST WHITE SPECKS	1519.0	---	-540.9				
BADHEART SS	1638.0	---	-659.9				
BADHEART SS BSE	1649.0	---	-670.9				
CARDIUM	1703.0	---	-724.9				
CARDIUM SAND	1724.5	---	-746.4				
CARDIUM BASE	1744.0	---	-766.9				
BLACKSTONE	1759.0	---	-780.9				
2ND WHITE SPECKS	1822.0	---	-843.9				
L.COLORADO	1941.0	---	-962.9				
L.CRETACEOUS	1982.0	---	-1003.9				
VIKING	2039.0	---	-1030.9				
VIKING SAND	2019.0	---	-1040.9				
VIKING SS-BASE	2031.0	---	-1052.9				
JOLI/OU	2040.0	---	-1061.9				

LOGS
 Surface Casing to TD
 Sonic Log/Dual Induction Logging

Interval Specific	Top (m)	Base (m)
Cement Evaluation	1575.0	2328.0
Cement Bond Log	1650.0	2287.4
Comp Neutron Form Density	1500.0	2303.0
Gamma Ray	2165.0	2278.5
Gamma Ray	2165.0	2289.3
Completion Record	2215.0	2286.0
Completion Record	2215.0	2283.0

NOTES Well No: 229640

Rights License No 147104	Surveyor ---	Card Type Enhanced	Replaces	Data provided by QC Data
CROWN License Date Dec 21 1990	Contractor SIMMONS GROUP INC.	Version 0 Aug 28 2002		

CORES						COMPLETIONS				
Top (m)	Base (m)	Formation	Amount Recovered (m)	Fluid	- Maximum Porosity - Depth (m) Perm. (md)	Top (m)	Base (m)	Type	Date	Shots per m
2266.6	2284.6	PEKISKO	18.00	WATER BASE	11.5 2268.5 4.25	2284.0	2286.0	JET PERFORATION	Feb 21 1991	16.
						2284.0	2286.0	ACID SQUEEZE - PRESS USED	Feb 21 1991	---
						2275.0	2280.0	JET PERFORATION	Feb 28 1991	16.
						2275.0	2280.0	ACID SQUEEZE - PRESS USED	Feb 28 1991	---
						2280.0	2284.0	JET PERFORATION	Mar 08 1991	16.
						2275.0	2278.0	FRACTURED	Mar 08 1991	---
						2275.0	2286.0	FRACTURED	Mar 12 1991	---
						2192.0	2200.0	BRIDGE PLUG CAPPED W/CEM Seq 17 1994	---	---

CASINGS		STATUS HISTORY				
Type	Size (mm)	Base (m)	Date	Status	Date	Status
SURFACE PRODUCTION	244.5 / 177.8	382.0 / 2310.0	Apr 01 1991	PUMPING OIL		

DRILL STEM TESTS													
No.	Type	Formation	Interval (m)	Recorder Depth (m)	Temp (°C)	Cushion (m)	IHP (kPa)	Valve Open Time (min)	Valve Open Pressure (kPa)	Shut-In Time (min)	Shut-In Press. (kPa)	P-Max (kPa)	Measured Gas (10 ³ m ³ /day)
1	INFLATE STR	PEKISKO	2257.0	2258.0	66.6	300.0 m W	24562.	4.5	6998 / 4404	7.0	16396.		First 34.501
C	C 25 13 98	Jan 17 1991	2281.0			AV	NO	23649.	1.5 5215 / 5430	42.5	17010.	17107.	Last 15.500
Blow Description: None given, ran closed chamber. Recovery: 397.0 m oil and mud cut water.													
2	INFLATE STR	ROCK CREEK	2202.0	2204.0	70.3	300.0 m W	23864.	4.5	5148 / 3959	61.5	16271.		First 0.022
C	C 25 17 98	Jan 18 1991	2215.0			AV	NO	22832.	59.5 4408 / 7596	181.5	16163.	16429.	Last 0.002
Blow Description: None given, ran closed chamber. Recovery: 515.0 m gas cut water													

INITIAL PRODUCTION TESTS												
No.	Date	Top (m)	Base (m)	Formation	Test Type	Flow Time (hrs)	Gas Rate (10 ³ m ³ /day)	Pressure Flow Static (kPa)	Fluid Recovery Vol. (m ³)	Type	Rate (m ³ /day)	Comments
1	Mar 22 1991	2275.0	2286.0	PEKISKO	CLSD CHAMB	---	---	---	10.2	CL	---	12 SW, PLD 890-1980
2	Nov 30 1991	2275.0	2286.0	PEKISKO	CLSD CHAMB	24.0	---	---	44.2	CL	---	39 SW, FL @ 1139M, FRS OCCASIONALLY

License No: 147104	00/08-28-040-04W5/00
GULF ET AL GILBY 8-28-40-4	
From Surface Hole Page 3	

PRODUCTION	Run Date	Run Type	Run D. (m)	Run P. (kPa)	Run T. (°C)	Shut-In Period (hrs)	Well Datum (m)	Well Press (kPa)	DELIVERABILITY	Date	Type	Longest Dur. (hrs)	Stable Flow (10 ³ m ³ /d)	Flow Press. (kPa)	Press. MPP (kPa)	AOPF (10 ³ m ³ /d)
Apr 05 1991	BH STAT GRAB	2276.4	17010	75.0	336.0	---	16978	---								
PRODUCTION	Start Date	Op. Hours	Oil (m ³)	Oil/Day (m ³)	Gas (10 ³ m ³)	Gas/Day (10 ³ m ³)	Water (m ³)	Water/Day (m ³)	Wcut (%)	Water / Gas (m ³ /10 ³ m ³)	GOR (m ³ /m ³)	Cond. (m ³)				
1st 3 Months	1936.0	676.0	12.2	362.4	6.5	83.5	1.7	12.2	268.83	534.51	---	---				
1st 9 Months	2276.0	1026.4	16.8	614.3	6.5	140.4	1.5	12.1	228.55	802.02	---	---				

License No: 152914	Well Exploration Library™	00/09-24-040-01W4/00
NORCENINT ET AL HAYTER 9D-24-40-1		
From Surface Hole 00/02-25-040-01W4/00 Page 1		

Status	PUMPING OIL	Spud Date	Jul 14 1992	Unique Well ID	00/09-24-040-01W4/00	K.B.	677.6m
Prov / Field	ALTA / HAYTER	Finish Drill	Jul 20 1992	Surface Hole Co-ord	120.1m N 495.0m W	Ground Elev.	673.4m
Zone / Pool	DINA B	Rig Release	Jul 21 1992	Surf. Hole Lat./Long	52.46429 / 110.01164	FTD (Mesa'd)	1354.1m
		Date on Prod.	Aug 01 1992	Bottom Hole Co-ord	448.7m S 116.0m W	Form at T.D.	DINA
Class	DEVELOPMENT	Conf. Status	C	Bot. Hole Lat./Long	52.45900 / 110.00506	True Vertical	761.2m
Operator	ANADARCO CANADA CORP	No DST's	---	Confidential	Below	Plug Back T.D.	---

QC DATA TOPS					LOGS	
Formation	Measured Depth (m)	True Vertical Depth (m)	True Vertical Subsea (m)	Coordinates From Surface Hole (m)	Interval Specific	Top Base (m)
LEA PARK	165.0	165.0	812.8	0.0	-0.2	---
L P 3 MARKER	312.0	312.0	365.8	-0.1	-0.3	---
1ST WHITE SPECKS	422.0	422.0	255.8	0.1	-0.4	---
COLORADO SS MVR	462.5	462.5	215.3	0.2	-0.5	---
2ND WHITE SPECKS	517.0	517.0	160.8	0.2	-0.6	---
L. COLORADO	533.0	533.0	144.8	-0.7	-0.1	---
L. CRETACEOUS	557.5	557.2	120.6	-3.9	1.8	---
VIKING	594.0	592.2	85.6	-12.3	7.2	---
VIKING SAND	603.0	600.6	77.2	-14.9	9.1	---
VIKING SS BASE	617.0	613.5	64.3	-19.4	12.3	---
JOLI FOJ	631.0	626.0	51.8	-24.7	15.8	---
COLDNY SS	672.5	660.3	17.5	-44.1	28.6	---
COLDNY SS BASE	686.0	670.5	7.3	-51.3	33.6	---
MCLAREN SS	687.0	671.3	6.5	-51.8	34.0	---
MCLAREN SAND BASE	709.0	687.0	-9.2	-44.3	43.0	---
WASCEA SS	713.0	689.8	-12.0	-65.6	44.7	---
WASCEA SAND BASE	727.0	699.2	-21.4	-74.9	50.9	---
SPARKY SS	732.0	702.6	-24.8	-77.8	53.1	---
SPARKY SAND BASE	747.0	712.7	-34.9	-85.8	58.7	---
GEN PETE SS	751.0	715.4	-37.6	-89.2	61.5	---
GEN PET SAND BASE	767.0	726.0	-47.2	-99.4	69.1	---
REX SS	771.0	727.3	-49.5	-102.0	71.1	---
REX SAND BASE	778.0	731.1	-53.3	-105.7	74.6	---
LLOYDWINSTER SS	784.0	734.2	-56.4	-110.7	77.7	---

Surface Casing to TD	Top	Base
Gamma Ray	0.8	600.0
Gamma Ray	500.0	1340.7
Gamma Ray	601.0	757.2

NOTES
Well No: 243118
Horizontal Well
Deviated Well

Replaces	Data provided by QC Data
----------	--------------------------

License No: 152914	00/09-24-040-01W4/00
NORCENINT ET AL HAYTER 9D-24-40-1	
From Surface Hole 00/02-25-040-01W4/00 Page 2	

QC DATA TOPS				
Formation	Measured Depth (m)	True Vertical Depth (m)	True Vertical Subsea (m)	Coordinates From Surface Hole (m)
LLOYDWINSTER BASE	838.0	745.1	-67.3	-128.1
CUMMINGS SS	818.0	748.8	-71.0	-130.9
CUMMINGS SS BASE	829.0	752.0	-74.2	-144.8
p DINA SS	832.5	752.9	-75.1	-147.6

CORES		Amount Recovered (m)	Fluid	- Maximum Porosity - Depth (m)	Perm. (md)
Top (m)	Base (m)				
896.0	1354.1				

COMPLETIONS		Type	Date	Shots per m
Top (m)	Base (m)			
896.0	1354.1	SLOTTED LINER	Jul 21 1992	---

CASINGS			STATUS HISTORY			
Type	Size (mm)	Base (m)	Date	Status	Date	Status
SURFACE	298.4	113.0	Aug 01 1992	PUMPING OIL		
INTERMEDIATE	219.1	698.0				
LINER	139.7	1354.0				

PRODUCTION	Start Date	Op. Hours	Oil (m ³)	Oil/Day (m ³)	Gas (10 ³ m ³)	Gas/Day (10 ³ m ³)	Water (m ³)	Water/Day (m ³)	Wcut (%)	Water / Gas (m ³ /10 ³ m ³)	GOR (m ³ /m ³)	Cond. (m ³)
1st 3 Months	2176.0	4355.3	48.0	---	---	---	1109.2	12.2	25.3	---	---	---
1st 9 Months	6436.0	8469.8	31.6	---	---	---	15412.8	57.4	64.5	---	---	---