



*e***REPORT**



Prepared for:

Willy Nilly

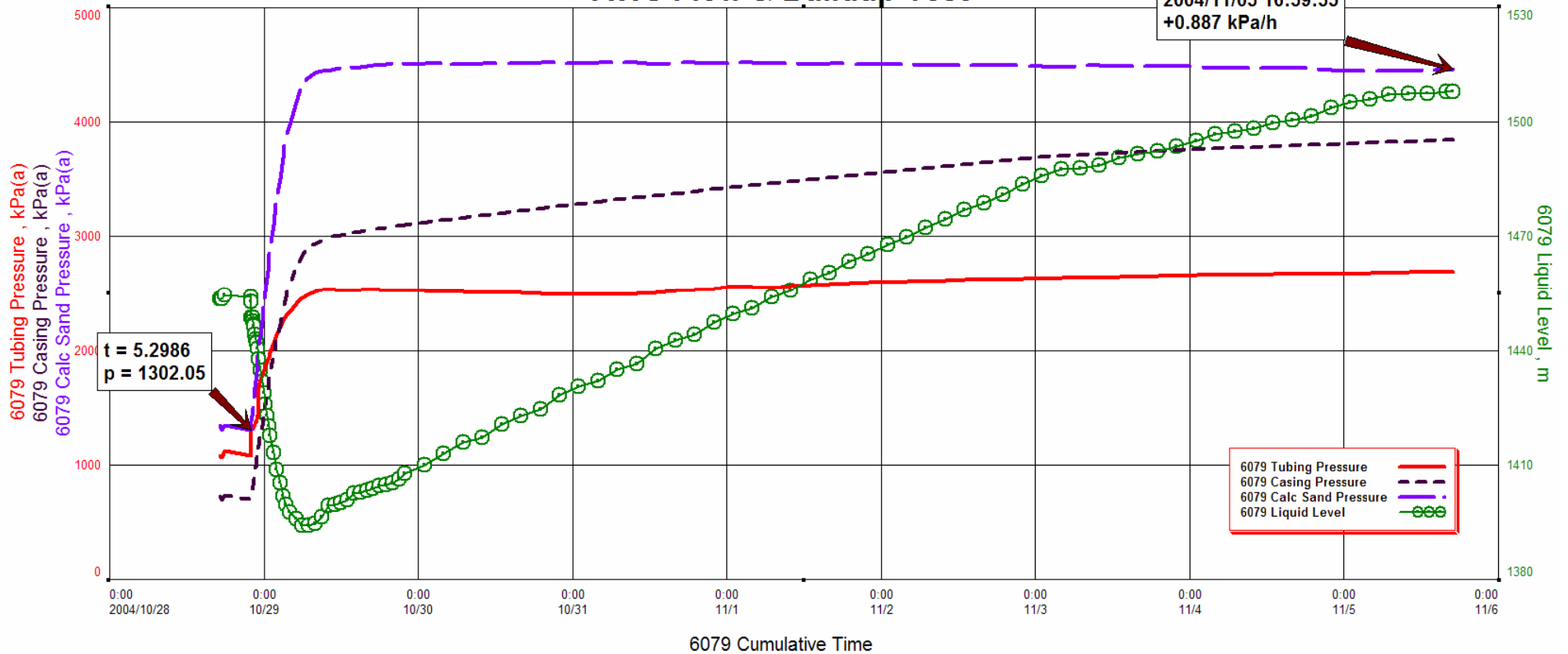
abc Oil & Gas Co. Ltd.
1234, 567–8th Avenue SW
Calgary, Alberta, T2P 3Q4

abc Little Valley
102/01–02–003–04W4/0
Mannville
AWS Flow & Build-up
Oct 28–Nov 5, 2004

abc Oil & Gas Co. Ltd.
 102/01-02-003-04W4/00
 Start Test Date: 2004/10/28
 Final Test Date: 2004/11/05

abc Little Valley
 Formation: Mannville
 Pool: 1513.0–1516.0 mKB
 Job Number: AWS

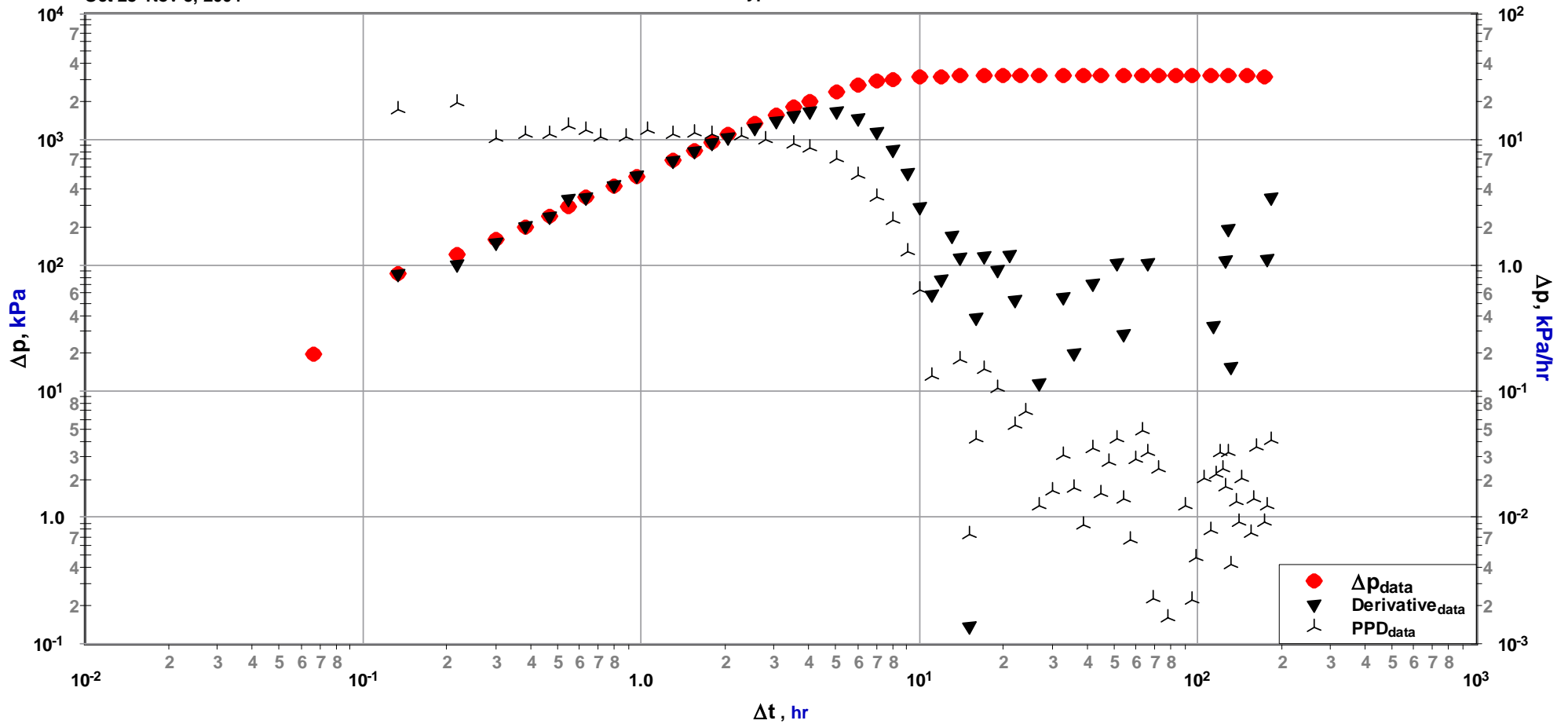
AWS Flow & Buildup Test



abc Little Valley
102/01-02-003-04W4/0
Mannville
Oct 28–Nov 5, 2004

Diagnostic Analysis 1

Typecurve





AEUB.pas



From: EUB-WellTestCaptureProductionSystem@eub.gov.ab.ca
Sent: Friday, November 12, 2004 01:40 PM
To: david@welltestspecialists.com
Subject: EUB WTC PRODUCTION Level 2 Failure - Tracking Id: 1234567
(1234567_102.01-02-003-04W4.0AWS.ZIP)

THIS E-MAIL MESSAGE IS FROM THE WTC PRODUCTION SYSTEM Errors occurred while validating your well test package(s). Please see below for tracking id(s) and errors specific to the package(s) you uploaded...

Package: **1234567_102.01-02-003-04W4.0AWS.ZIP [Tracking Id: 1234567]
- UWI: 102/01-02-003-04W4/0

*PAS File: (1234567_102.01-02-003-04W4.0AWS.PAS)

* Tested Date: 05 Nov 2004

* Test Purpose: Annual

* TVD Interval: 1513.00000 - 1516.00000

- Data table DTSUM must have atleast 1 row of data when AOFTY is 1, 31, 41 or PRSTY is 11
- Value [] of ~ANALYSIS INPUT PARAMETERS,PAY.M, {Vertical Height Of Formation M} must be numeric
- Value [] of ~ANALYSIS INPUT PARAMETERS,PORO.FRAC, {Assumed Porosity Fraction} must be numeric
- Value [] of ~ANALYSIS INPUT PARAMETERS,SATW.FRAC, {Assumed Water Saturation Fraction} must be numeric
- Value [] of ~ANALYSIS INPUT PARAMETERS,SATG.FRAC, {Assumed Gas Saturation Fraction} must be numeric
- Value [] of ~ANALYSIS INPUT PARAMETERS,SATO.FRAC, {Assumed Oil Saturation Fraction} must be numeric
- The sum of SATW.FRAC, and SATG.FRAC, and SATO.FRAC, [0] must equal 1
- Value [] of ~ANALYSIS INPUT PARAMETERS,RDOIL., {Oil Relative Density} must be numeric
- Value [] of ~ANALYSIS INPUT PARAMETERS,RDWTR., {Water Relative Density} must be numeric
- Value [] of ~ANALYSIS INPUT PARAMETERS,PBP.KPAA, {Oil Bubble Point Pressure} must be numeric
- Value [] of ~ANALYSIS INPUT PARAMETERS,BO.RM3/M3, {Oil Formation Volume Factor} must be numeric
- Value [] of ~ANALYSIS INPUT PARAMETERS,RS.M3/M3, {Oil Solution Gor} must be numeric

GENERAL INFORMATION

Client Information:

Company: abc Oil & Gas Co. Ltd.

Contact: Willy Nilly

Phone: 403-234-5678 Fax: e-mail: nillyw@abc.ca

Site Information:

Contact: Jo Blow

Phone: 780-345-6789 Fax: e-mail:

Well Information:

Name: abc Little Valley

Operator: abc

Location-Downhole: 102/01-02-003-04W4/00

Location-Surface: 102/06-33-015-22w4m

Test Information:

Company: Canadian Sub Surface

Representative: Dean Ditto

Supervisor: Dean Ditto

Test Type: AWS Build Up Job Number: AWS

Test Unit: # 6079

Start Date: 2004/10/28 Start Time: 16:39:00

End Date: 2004/11/05 End Time: 17:00:55

Report Date: 2004/11/03 Prepared By: Welltet Specialists Inc.

Remarks: Qualified By: David Leech

Note the Derivative/PPD plot was added as a special feature for this project.

CLIENT INFORMATION

Company: abc Oil & Gas Co. Ltd.

Contact: Willy Nilly

Street 1: 1234, 567–8th Avenue SW

Street 2:

City: Calgary

Prov./State: Alberta

Country: Canada

Postal Code: T2P 3Q4

Phone: 403-234-5678 Fax:

e-mail: nillyw@abc.ca

SITE INFORMATION

Contact: Jo Blow

Phone: 780-345-6789 Fax:

e-mail:

Remarks

Note the Derivative/PPD plot was added as a special feature for this project.

WELL INFORMATION

Well Name : abc Little Valley

Well Operator : abc

Well Location : 102/01-02-003-04W4/00

Location-Surface : 102/06-33-015-22w4m

Field : Little Valley

Well Type : Vertical

Pool : 1513.0–1516.0 mKB

Formation : Mannville

Perforation Type :		Producing Through : Tubing	73.00mm
Pool Datum	m	CF Elevation Referenc	1011.30m KB
Datum Depth	m	CF Elevation Referenc	1006.50m GL
		Offset	4.80m

Production Intervals

Production Interval & MPP Reference To : KB

MPP Pressure Reference : None

Fro m	To - m	Dept m	Pressure kPa
1.	1513.00 1516.00	1.	1515.50
2.		2.	
3.		3.	
4.		4.	
5.		5.	
6.		6.	
7.		7.	
8.		8.	
9.		9.	
10.		10.	
11.		11.	
12.		12.	

Remarks :

abc Oil & Gas Co. Ltd.
102/01-02-003-04W4/00
Start Test Date: 2004/10/28
Final Test Date: 2004/11/05

Recorder

abc Little Valley
Formation: Mannville
Pool: 1513.0–1516.0 mKB
Job Number: AWS

6079

Gauge Serial Number	6079	Gauge Type	Electronic/Silicon Crystal
Gauge Manufacturer	Cal Scan	Maximum Recorder Range	24132.50 kPa
Run Depth	4.80 m	Date of Last Calibration	2004/06/10
Gauge Start Date	2004/10/28 16:39:00	Gauge Stop Date	2004/11/05 17:00:00
Date Gauge On Bottom	2004/10/28 17:14:00	Date Gauge Off Bottom	2004/11/05 16:59:55

abc Oil & Gas Co. Ltd.
 102/01-02-003-04W4/00
 Start Test Date: 2004/10/28
 Final Test Date: 2004/11/05

CANADIAN SUB-SURFACE
AWS Flow & Build-up Test

abc Little Valley
 Formation: Mannville
 Pool: 1513.0–1516.0 mKB
 Job Number: AWS

	6079	6079	6079	6079	6079	6079	6079	6079	6079	
	Date	Clk Time	Cum. Time	Tubing Pres.	Casing Pres.	Ambient Temp.	Liquid Level	Calculated Pres. @ MPP	Liquid Depth (JTS)	
	yyyy mm dd	hh:mm:ss	hr	kPa(a)	kPa(a)	°C	m	kPa(a)		
1	2004 10 28	17:14:00	0.5833	1078.71	728.97	7.68	1453.58	1345.25	158.830	
2	2004 10 28	17:29:00	0.8333	1067.68	692.46	5.66	1453.58	1303.49	158.830	
3	2004 10 28	17:53:55	1.2486	1121.51	735.03	2.78	1454.63	1342.60	158.940	
4	2004 10 28	21:56:55	5.2986	1081.84	694.24	-5.66	1453.96	1302.05	158.870	
5			Shut-in for buildup							
6	2004 10 28	22:00:55	5.3653	1223.22	702.46	-5.40	1452.82	1321.89	158.750	
7	2004 10 28	22:04:55	5.4319	1308.72	724.47	-5.16	1448.44	1387.10	158.290	
8	2004 10 28	22:09:55	5.5153	1313.60	756.71	-4.92	1448.44	1423.99	158.290	
9	2004 10 28	22:14:55	5.5986	1312.86	789.05	-4.69	1448.44	1460.99	158.290	
10	2004 10 28	22:19:55	5.6819	1319.85	821.49	-4.48	1447.68	1505.08	158.210	
11	2004 10 28	22:24:55	5.7653	1325.14	853.63	-4.28	1446.92	1548.85	158.130	
12	2004 10 28	22:29:55	5.8486	1333.23	885.75	-4.12	1446.26	1591.73	158.060	
13	2004 10 28	22:34:55	5.9319	1343.70	917.89	-4.01	1444.07	1648.56	157.830	
14	2004 10 28	22:39:55	6.0153	1357.53	949.46	-3.95	1444.07	1684.73	157.830	
15	2004 10 28	22:44:55	6.0986	1370.21	981.29	-3.92	1442.93	1731.70	157.710	
16	2004 10 28	22:49:55	6.1819	1382.35	1012.70	-3.89	1442.17	1774.68	157.630	
17	2004 10 28	22:54:55	6.2653	1400.15	1044.04	-3.86	1441.79	1814.10	157.590	
18	2004 10 28	22:59:55	6.3486	1438.13	1075.13	-3.82	1440.36	1862.81	157.440	
19	2004 10 28	23:14:55	6.5986	1686.80	1167.53	-3.96	1437.79	1992.35	157.170	
20	2004 10 28	23:29:55	6.8486	1738.24	1258.66	-4.23	1434.75	2124.87	156.850	
21	2004 10 28	23:44:55	7.0986	1786.96	1348.32	-4.21	1431.61	2256.64	156.520	
22	2004 10 28	23:59:55	7.3486	1834.36	1436.72	-4.30	1428.66	2385.29	156.210	
23	2004 10 29	00:14:55	7.5986	1861.51	1523.73	-4.49	1425.72	2512.44	155.900	
24	2004 10 29	00:29:55	7.8486	1899.96	1609.19	-4.72	1422.77	2637.85	155.590	
25	2004 10 29	00:44:55	8.0986	1938.33	1693.28	-4.77	1420.20	2758.29	155.320	
26	2004 10 29	00:59:55	8.3486	1978.59	1775.26	-4.60	1417.63	2876.34	155.050	
27	2004 10 29	01:29:55	8.8486	2058.86	1933.99	-4.28	1413.26	3099.68	154.590	
28	2004 10 29	01:59:55	9.3486	2134.48	2084.37	-4.31	1408.79	3314.47	154.120	
29	2004 10 29	02:29:55	9.8486	2199.51	2224.92	-4.15	1405.17	3510.28	153.740	
30	2004 10 29	02:59:55	10.3486	2257.17	2353.60	-3.83	1401.85	3689.92	153.390	
31	2004 10 29	03:29:55	10.8486	2298.63	2468.16	-3.72	1399.66	3842.89	153.160	
32	2004 10 29	03:59:55	11.3486	2336.39	2568.10	-3.56	1397.47	3979.01	152.930	
33	2004 10 29	04:59:55	12.3486	2405.61	2723.46	-3.82	1395.95	4173.63	152.770	
34	2004 10 29	05:59:55	13.3486	2457.04	2827.35	-4.17	1394.14	4311.15	152.580	
35	2004 10 29	06:59:55	14.3486	2492.60	2893.86	-5.56	1394.05	4389.53	152.570	
36	2004 10 29	07:59:55	15.3486	2517.13	2936.81	-6.65	1394.62	4434.39	152.630	
37	2004 10 29	08:59:55	16.3486	2529.47	2964.93	-6.46	1396.42	4450.66	152.820	
38	2004 10 29	09:59:55	17.3486	2530.52	2984.01	0.58	1399.28	4446.81	153.120	
39	2004 10 29	10:59:55	18.3486	2529.89	3000.09	1.68	1399.66	4462.10	153.160	

6079 Serial Number: 6079 Start Date: 2004/10/28 16:39:00 Run Depth: 4.80
 Print Filter: Off

abc Oil & Gas Co. Ltd.
 102/01-02-003-04W4/00
 Start Test Date: 2004/10/28
 Final Test Date: 2004/11/05

CANADIAN SUB-SURFACE
AWS Flow & Build-up Test

abc Little Valley
 Formation: Mannville
 Pool: 1513.0–1516.0 mKB
 Job Number: AWS

	6079	6079	6079	6079	6079	6079	6079	6079	6079
	Date	Clk Time	Cum. Time	Tubing Pres.	Casing Pres.	Ambient Temp.	Liquid Level	Calculated Pres. @ MPP	Liquid Depth (JTS)
	yyyy mm dd	hh:mm:ss	hr	kPa(a)	kPa(a)	°C	m	kPa(a)	
40	2004 10 29	11:59:55	19.3486	2528.68	3012.84	6.11	1400.04	4473.49	153.200
41	2004 10 29	12:59:55	20.3486	2527.36	3023.42	3.31	1400.80	4478.88	153.280
42	2004 10 29	13:59:55	21.3486	2527.12	3033.56	12.35	1402.61	4474.18	153.470
43	2004 10 29	14:59:55	22.3486	2530.59	3043.19	14.48	1402.89	4482.81	153.500
44	2004 10 29	15:59:55	23.3486	2532.39	3051.66	12.94	1403.37	4488.35	153.550
45	2004 10 29	16:59:55	24.3486	2531.72	3060.15	10.99	1403.65	4495.65	153.580
46	2004 10 29	17:59:55	25.3486	2531.07	3068.44	3.51	1404.41	4498.37	153.660
47	2004 10 29	18:59:55	26.3486	2528.32	3076.40	-1.92	1404.79	4504.18	153.700
48	2004 10 29	19:59:55	27.3486	2527.26	3084.37	-2.87	1405.17	4510.01	153.740
49	2004 10 29	20:59:55	28.3486	2524.92	3091.96	-1.45	1406.22	4509.30	153.850
50	2004 10 29	21:59:55	29.3486	2524.77	3099.59	-0.19	1407.74	4504.29	154.010
51	2004 10 30	00:59:55	32.3486	2521.51	3121.71	-1.22	1409.93	4510.11	154.240
52	2004 10 30	03:59:55	35.3486	2518.83	3142.81	1.83	1412.88	4507.79	154.550
53	2004 10 30	06:59:55	38.3486	2515.07	3163.90	1.67	1415.82	4505.45	154.860
54	2004 10 30	09:59:55	41.3486	2511.97	3184.66	4.71	1417.25	4516.68	155.010
55	2004 10 30	12:59:55	44.3486	2512.49	3205.27	6.63	1420.58	4510.31	155.360
56	2004 10 30	15:59:55	47.3486	2506.13	3225.73	6.82	1422.77	4514.22	155.590
57	2004 10 30	18:59:55	50.3486	2501.69	3245.13	0.82	1424.57	4520.37	155.780
58	2004 10 30	21:59:55	53.3486	2495.87	3265.10	-4.56	1428.28	4509.80	156.170
59	2004 10 31	00:59:55	56.3486	2496.78	3284.50	-6.77	1430.47	4512.49	156.400
60	2004 10 31	03:59:55	59.3486	2494.41	3303.67	-8.57	1431.90	4521.87	156.550
61	2004 10 31	06:59:55	62.3486	2492.04	3322.14	-7.96	1434.84	4516.50	156.860
62	2004 10 31	09:59:55	65.3486	2500.61	3340.21	-4.33	1436.37	4523.73	157.020
63	2004 10 31	12:59:55	68.3486	2511.56	3358.27	3.33	1440.36	4508.33	157.440
64	2004 10 31	15:59:55	71.3486	2521.16	3376.63	7.66	1442.55	4509.82	157.670
65	2004 10 31	18:59:55	74.3486	2529.85	3395.14	-5.37	1444.07	4517.58	157.830
66	2004 10 31	21:59:55	77.3486	2537.61	3413.23	-6.90	1447.30	4509.17	158.170
67	2004 11 01	00:59:55	80.3486	2564.57	3431.63	-10.47	1449.49	4510.73	158.400
68	2004 11 01	03:59:55	83.3486	2553.66	3449.35	-11.89	1451.01	4517.56	158.560
69	2004 11 01	06:59:55	86.3486	2553.35	3466.92	-12.16	1453.96	4511.18	158.870
70	2004 11 01	09:59:55	89.3486	2562.96	3482.59	-5.78	1455.77	4513.02	159.060
71	2004 11 01	12:59:55	92.3486	2573.43	3499.30	1.12	1458.71	4505.64	159.370
72	2004 11 01	15:59:55	95.3486	2580.83	3516.43	1.13	1460.52	4509.19	159.560
73	2004 11 01	18:59:55	98.3486	2587.85	3533.42	-1.37	1463.47	4502.14	159.870
74	2004 11 01	21:59:55	101.3486	2595.59	3550.22	-1.12	1465.28	4505.31	160.060
75	2004 11 02	00:59:55	104.3486	2601.16	3567.00	-1.68	1467.84	4501.50	160.330
76	2004 11 02	03:59:55	107.3486	2604.91	3583.91	-4.20	1469.75	4503.94	160.530
77	2004 11 02	06:59:55	110.3486	2609.93	3600.60	-4.14	1472.31	4500.03	160.800
78	2004 11 02	09:59:55	113.3486	2616.59	3616.06	1.56	1474.50	4498.17	161.030

6079 Serial Number: 6079 Start Date: 2004/10/28 16:39:00 Run Depth: 4.80
 Print Filter: Off

abc Oil & Gas Co. Ltd.
 102/01-02-003-04W4/00
 Start Test Date: 2004/10/28
 Final Test Date: 2004/11/05

CANADIAN SUB-SURFACE
AWS Flow & Build-up Test

abc Little Valley
 Formation: Mannville
 Pool: 1513.0–1516.0 mKB
 Job Number: AWS

			6079	6079	6079	6079	6079	6079	6079
	6079	6079	Cum.	Tubing	Casing	Ambient	Liquid	Calculated	Liquid
	Date	Clk Time	Time	Pres.	Pres.	Temp.	Level	Pres. @ MPP	Depth
	yyyy mm dd	hh:mm:ss	hr	kPa(a)	kPa(a)	°C	m	kPa(a)	(JTS)
79	2004 11 02	12:59:55	116.3486	2622.44	3632.01	8.14	1477.07	4493.40	161.300
80	2004 11 02	15:59:55	119.3486	2627.28	3648.23	10.68	1478.88	4495.91	161.490
81	2004 11 02	18:59:55	122.3486	2627.11	3664.69	0.48	1481.06	4495.22	161.720
82	2004 11 02	21:59:55	125.3486	2629.98	3680.03	-1.29	1483.63	4489.75	161.990
83	2004 11 03	00:59:55	128.3486	2634.75	3693.83	-1.45	1485.82	4485.94	162.220
84	2004 11 03	03:59:55	131.3486	2637.48	3705.31	-2.49	1487.63	4482.89	162.410
85	2004 11 03	06:59:55	134.3486	2640.27	3715.12	-3.56	1488.01	4490.95	162.450
86	2004 11 03	09:59:55	137.3486	2642.88	3724.34	-6.72	1488.77	4494.82	162.530
87	2004 11 03	12:59:55	140.3486	2647.35	3731.57	0.43	1490.57	4486.78	162.720
88	2004 11 03	15:59:55	143.3486	2652.26	3739.18	8.25	1491.71	4485.28	162.840
89	2004 11 03	18:59:55	146.3486	2653.18	3747.40	-3.22	1492.48	4487.98	162.920
90	2004 11 03	21:59:55	149.3486	2653.60	3754.98	-5.01	1493.52	4487.33	163.030
91	2004 11 04	00:59:55	152.3486	2666.81	3761.94	-7.15	1495.04	4481.59	163.190
92	2004 11 04	03:59:55	155.3486	2663.38	3769.35	-10.13	1496.85	4473.76	163.380
93	2004 11 04	06:59:55	158.3486	2669.81	3775.91	-8.99	1497.61	4474.52	163.460
94	2004 11 04	09:59:55	161.3486	2666.49	3781.77	-4.97	1498.28	4475.31	163.530
95	2004 11 04	12:59:55	164.3486	2669.50	3787.41	6.24	1499.80	4468.02	163.690
96	2004 11 04	15:59:55	167.3486	2674.56	3793.86	7.63	1500.46	4469.51	163.760
97	2004 11 04	18:59:55	170.3486	2673.48	3800.29	-0.52	1501.61	4466.64	163.880
98	2004 11 04	21:59:55	173.3486	2674.66	3806.55	-1.15	1503.70	4454.85	164.100
99	2004 11 05	00:59:55	176.3486	2677.37	3813.04	1.57	1505.12	4449.44	164.250
100	2004 11 05	03:59:55	179.3486	2679.77	3819.84	1.97	1505.98	4449.60	164.340
101	2004 11 05	06:59:55	182.3486	2682.80	3825.49	4.91	1507.31	4444.06	164.480
102	2004 11 05	09:59:55	185.3486	2685.70	3831.72	5.86	1507.50	4449.65	164.500
103	2004 11 05	12:59:55	188.3486	2689.90	3837.53	9.26	1507.50	4456.49	164.500
104	2004 11 05	15:59:55	191.3486	2692.36	3843.12	8.86	1507.98	4458.71	164.550
105	2004 11 05	16:59:55	192.3486	2692.77	3845.01	7.83	1507.88	4461.81	164.540
106									

6079 Serial Number: 6079 Start Date: 2004/10/28 16:39:00 Run Depth: 4.80
 Print Filter: Off

FLUID LEVELS

COMPANY: ABC OIL & GAS CO. LTD.
COMPANY CONTACT: WILLY NILLY
START/FINISH DATE: OCTOBER 28 - NOVEMBER 05/2004
CAN SUB TECH: DEAN DITTO
CAN SUB CO-ORDINATOR: DEAN DITTO

KB: 1011.3 Stroke Length: 76.50 inches
GL: 1006.5 SPM: 8.13
Perforations: 1513 - 1516 mKB
Datum Depth: 1514.5
PBTD: 1558

Well Location:	Date	Time	Tubing Pres.	Casing Pres.	Start Kick	Fluid Kick	Fluid Level	Fluid Level	Joint Length	COMMENTS
			kPa(A)	kPA (A)	seconds	seconds	JTS	(m)	(m)	
102/01-02-03-04w4m	2004 10 28	17:14:00	1078.71	728.97			158.83	1453.58	9.51	Adjustment of (minus 56.8937 m)
	2004 10 28	17:29:00	1067.68	692.46			158.83	1453.58		from JTS - to account for pup joints
	2004 10 28	17:53:55	1121.51	735.03			158.94	1454.63		& Tbg hanger etc
	2004 10 28	21:56:55	1081.84	694.24			158.87	1453.96		
	2004 10 28	22:00:55	1223.22	702.46			158.75	1452.82		SHUT IN WELL
	2004 10 28	22:04:55	1308.72	724.47			158.29	1448.44		
	2004 10 28	22:09:55	1313.6	756.71			158.29	1448.44		
	2004 10 28	22:14:55	1312.86	789.05			158.29	1448.44		
	2004 10 28	22:19:55	1319.85	821.49			158.21	1447.68		
	2004 10 28	22:24:55	1325.14	853.63			158.13	1446.92		
	2004 10 28	22:29:55	1333.23	885.75			158.06	1446.26		
	2004 10 28	22:34:55	1343.7	917.89			157.83	1444.07		
	2004 10 28	22:39:55	1357.53	949.46			157.83	1444.07		
	2004 10 28	22:44:55	1370.21	981.29			157.71	1442.93		
	2004 10 28	22:49:55	1382.35	1012.7			157.63	1442.17		
	2004 10 28	22:54:55	1400.15	1044.04			157.59	1441.79		
	2004 10 28	22:59:55	1438.13	1075.13			157.44	1440.36		
	2004 10 28	23:14:55	1686.8	1167.53			157.17	1437.79		
	2004 10 28	23:29:55	1738.24	1258.66			156.85	1434.75		
	2004 10 28	23:44:55	1786.96	1348.32			156.52	1431.61		
	2004 10 28	23:59:55	1834.36	1436.72			156.21	1428.66		
	2004 10 29	00:14:55	1861.51	1523.73			155.9	1425.72		
	2004 10 29	00:29:55	1899.96	1609.19			155.59	1422.77		
	2004 10 29	00:44:55	1938.33	1693.28			155.32	1420.2		
	2004 10 29	00:59:55	1978.59	1775.26			155.05	1417.63		
	2004 10 29	01:29:55	2058.86	1933.99			154.59	1413.26		
	2004 10 29	01:59:55	2134.48	2084.37			154.12	1408.79		
	2004 10 29	02:29:55	2199.51	2224.92			153.74	1405.17		
	2004 10 29	02:59:55	2257.17	2353.6			153.39	1401.85		
	2004 10 29	03:29:55	2298.63	2468.16			153.16	1399.66		
	2004 10 29	03:59:55	2336.39	2568.1			152.93	1397.47		
	2004 10 29	04:59:55	2405.61	2723.46			152.77	1395.95		
	2004 10 29	05:59:55	2457.04	2827.35			152.58	1394.14		
	2004 10 29	06:59:55	2492.6	2893.86			152.57	1394.05		
	2004 10 29	07:59:55	2517.13	2936.81			152.63	1394.62		
	2004 10 29	08:59:55	2529.47	2964.93			152.82	1396.42		
	2004 10 29	09:59:55	2530.52	2984.01			153.12	1399.28		

Well Location:	Date	Time	Tubing Pres.	Casing Pres.	Start Kick	Fluid Kick	Fluid Level	Fluid Level	Joint Length	COMMENTS
			kPa(A)	kPA (A)	seconds	seconds	JTS	(m)	(m)	
	2004 10 29	10:59:55	2529.89	3000.09			153.16	1399.66		
	2004 10 29	11:59:55	2528.68	3012.84			153.2	1400.04		
	2004 10 29	12:59:55	2527.36	3023.42			153.28	1400.8		
	2004 10 29	13:59:55	2527.12	3033.56			153.47	1402.61		
	2004 10 29	14:59:55	2530.59	3043.19			153.5	1402.89		
	2004 10 29	15:59:55	2532.39	3051.66			153.55	1403.37		
	2004 10 29	16:59:55	2531.72	3060.15			153.58	1403.65		
	2004 10 29	17:59:55	2531.07	3068.44			153.66	1404.41		
	2004 10 29	18:59:55	2528.32	3076.4			153.7	1404.79		
	2004 10 29	19:59:55	2527.26	3084.37			153.74	1405.17		
	2004 10 29	20:59:55	2524.92	3091.96			153.85	1406.22		
	2004 10 29	21:59:55	2524.77	3099.59			154.01	1407.74		
	2004 10 30	00:59:55	2521.51	3121.71			154.24	1409.93		
	2004 10 30	03:59:55	2518.83	3142.81			154.55	1412.88		
	2004 10 30	06:59:55	2515.07	3163.9			154.86	1415.82		
	2004 10 30	09:59:55	2511.97	3184.66			155.01	1417.25		
	2004 10 30	12:59:55	2512.49	3205.27			155.36	1420.58		
	2004 10 30	15:59:55	2506.13	3225.73			155.59	1422.77		
	2004 10 30	18:59:55	2501.69	3245.13			155.78	1424.57		
	2004 10 30	21:59:55	2495.87	3265.1			156.17	1428.28		
	2004 10 31	00:59:55	2496.78	3284.5			156.4	1430.47		
	2004 10 31	03:59:55	2494.41	3303.67			156.55	1431.9		
	2004 10 31	06:59:55	2492.04	3322.14			156.86	1434.84		
	2004 10 31	09:59:55	2500.61	3340.21			157.02	1436.37		
	2004 10 31	12:59:55	2511.56	3358.27			157.44	1440.36		
	2004 10 31	15:59:55	2521.16	3376.63			157.67	1442.55		
	2004 10 31	18:59:55	2529.85	3395.14			157.83	1444.07		
	2004 10 31	21:59:55	2537.61	3413.23			158.17	1447.3		
	2004 11 01	00:59:55	2564.57	3431.63			158.4	1449.49		
	2004 11 01	03:59:55	2553.66	3449.35			158.56	1451.01		
	2004 11 01	06:59:55	2553.35	3466.92			158.87	1453.96		
	2004 11 01	09:59:55	2562.96	3482.59			159.06	1455.77		
	2004 11 01	12:59:55	2573.43	3499.3			159.37	1458.71		
	2004 11 01	15:59:55	2580.83	3516.43			159.56	1460.52		
	2004 11 01	18:59:55	2587.85	3533.42			159.87	1463.47		
	2004 11 01	21:59:55	2595.59	3550.22			160.06	1465.28		
	2004 11 02	00:59:55	2601.16	3567			160.33	1467.84		
	2004 11 02	03:59:55	2604.91	3583.91			160.53	1469.75		
	2004 11 02	06:59:55	2609.93	3600.6			160.8	1472.31		
	2004 11 02	09:59:55	2616.59	3616.06			161.03	1474.5		
	2004 11 02	12:59:55	2622.44	3632.01			161.3	1477.07		
	2004 11 02	15:59:55	2627.28	3648.23			161.49	1478.88		
	2004 11 02	18:59:55	2627.11	3664.69			161.72	1481.06		
	2004 11 02	21:59:55	2629.98	3680.03			161.99	1483.63		
	2004 11 03	00:59:55	2634.75	3693.83			162.22	1485.82		
	2004 11 03	03:59:55	2637.48	3705.31			162.41	1487.63		

Well Location:	Date	Time	Tubing Pres.	Casing Pres.	Start Kick	Fluid Kick	Fluid Level	Fluid Level	Joint Length	COMMENTS
			kPa(A)	kPA (A)	seconds	seconds	JTS	(m)	(m)	
	2004 11 03	06:59:55	2640.27	3715.12			162.45	1488.01		
	2004 11 03	09:59:55	2642.88	3724.34			162.53	1488.77		
	2004 11 03	12:59:55	2647.35	3731.57			162.72	1490.57		
	2004 11 03	15:59:55	2652.26	3739.18			162.84	1491.71		
	2004 11 03	18:59:55	2653.18	3747.4			162.92	1492.48		
	2004 11 03	21:59:55	2653.6	3754.98			163.03	1493.52		
	2004 11 04	00:59:55	2666.81	3761.94			163.19	1495.04		
	2004 11 04	03:59:55	2663.38	3769.35			163.38	1496.85		
	2004 11 04	06:59:55	2669.81	3775.91			163.46	1497.61		
	2004 11 04	09:59:55	2666.49	3781.77			163.53	1498.28		
	2004 11 04	12:59:55	2669.5	3787.41			163.69	1499.8		
	2004 11 04	15:59:55	2674.56	3793.86			163.76	1500.46		
	2004 11 04	18:59:55	2673.48	3800.29			163.88	1501.61		
	2004 11 04	21:59:55	2674.66	3806.55			164.1	1503.7		
	2004 11 05	00:59:55	2677.37	3813.04			164.25	1505.12		
	2004 11 05	03:59:55	2679.77	3819.84			164.34	1505.98		
	2004 11 05	06:59:55	2682.8	3825.49			164.48	1507.31		
	2004 11 05	09:59:55	2685.7	3831.72			164.5	1507.5		
	2004 11 05	12:59:55	2689.9	3837.53			164.5	1507.5		Fluid Level @ top of perms
	2004 11 05	15:59:55	2692.36	3843.12			164.55	1507.98		KB to GL = 4.8 m
	2004 11 05	16:59:55	2692.77	3845.01			164.54	1507.88		Perfs 1513.0 - 1516.0 mKB

CANADIAN SUB-SURFACE..

Field Notes

Surface Data System

OPS LOG.doc

JOB # :	JN 1054	DATE :	October 28 – November 05/04
COMPANY :	abc Oil & Gas Co. Ltd.	COMPANY REP :	Willy Nilly
WELL NAME :	abc Little Valley	FIELD REP :	Jo Blow
LOCATION :	102/01-02-003-04W4	PHONE # :	403-234-5678
FIELD :	Little Valley	DATE START :	October 28/2004
FORMATION :	Mannville	DATE COMP :	November 05/2004
TECHNICIAN :	Dean Ditto	Tbg. / Csg. SIZE :	73.00 mm / 139.70
SERVICE CO :	Canadian Sub Surface	SERVICE REP :	Dean Ditto
K.B.:	1011.30 m	TOP PERF. INT:	(1513.00 mKB)
G.L.:	1006.50 m	BOT PERF. INT:	(1516.00 mKB)
K.B. – G.L.:	4.80 m	PACKER DEPTH :	
TYPE OF WELL :	Oil Well	SWEET/SOUR % :	

DIRECTIONS :	Odm. Out:		Odm In:		Total Km:	
Charge from my farm 6 miles North of Little Town to site & back						
SDS UNIT #	6079	Battery V	3.524	SDS UNIT #		Battery V
AWS UNIT	# 03			AWS UNIT		
Pressure	Type	Port	Tag	Pressure	Type	Port
3500 psi	Cal-Scan	1	Casing	psi	Cal Scan	1
		2	Tubing			2
Program	Interval	Duration	Count	Program	Interval	Duration
Step 1	1 minute	60 days		Step 1		
Step 2				Step 2		
Step 3				Step 3		
Step 4				Step 4		
TYPE OF TEST:						
PREDICTED DURATION OF TEST						
REPORTS GO TO: Willy Nilly						
DOWLOADS GO TO: Willy Nilly						
E-LINE COMPANY:						
SLICKLINE COMPANY & OPERATOR:						
GAS TESTING COMPANY & OPERATOR:						
EQUIPMENT LEFT ON SITE (hoses & manifolds etc):1 SDA unit #, 1 high pressure hose, 2 manifold, 1 aws system						
SPECIAL COMMENTS ABOUT WELL OR JOB:						
JOB # :	JN 1054	DATE :	October 28/2004			

Well Summary - Geo Webworks Inc.

Well Name: abc Little Valley Operator: abc Oil & Gas Co. Ltd. Field: Little Valley Unit:	Location: 02/01-02-003-04W4/0 Licensee: abc Oil & Gas Co. Ltd. License No: 0167890 [1993/03/08] Cur Status: PUMPING CRUDE OIL [2000/05/14]
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FORMATION TOPS			Location			
Form	Top (m)	Elev (m)	Bottom:	Latitude	Longitude	Coord
PAKW	717.0	294.3	Surface:	50.30561	112.96148	N580.7 E770.2
MR	756.0	255.3		50.30171	112.57148	N660.7 E730.2
COLO	846.0	165.3	Elevation			
2WS	1141.0	-129.7	KB:	1011.3 m / 3317.9 ft	Ground:	1006.5 m / 3302.2 ft
BFSC	1238.0	-226.7	Class			
BI SS	1257.0	-245.7	DEV - DEVELOPMENT			
MANN	1376.0	-364.7	Dates			
GLC SS	1513.0	-501.7	License: 1993/03/08 Spud: 1993/03/17 Final Drill: 1993/03/21 Rig Release: 1993/03/23			
SUNB	1526.0	-514.7	Logs			
RIER	1535.0	-523.7	COMP NEUTRON LITHO DENSITY, DUAL INDUCTION SPHER-FOC, GAMMA RAY CEMENT BOND, GAMMA RAY CORR;			
SAW	1547.0	-535.7	Completions			
TD	1572.0	-560.7	1993/03/25 1526.5 - 1530.5 m 5008.2 - 5021.3 ft JET PERFORATION			
	(ft)	(ft)	2000/05/13 1513.0 - 1516.0 m 4963.9 - 4973.8 ft JET PERFORATION			
PAKW	2352.4	965.6	Tour Occurrence			
MR	2480.3	837.6	None Reported			
COLO	2775.6	542.3	Casings			
2WS	3743.4	-425.5	219.0 mm at 191.0 m, 139.6 mm at 1571.0 m;			
BFSC	4061.7	-743.8	Drill Stem Tests			
BI SS	4124.0	-806.1	None Reported			
MANN	4514.4	-1196.5	Cores			
GLC SS	4963.9	-1646.0	None Reported			
SUNB	5006.6	-1688.6				
RIER	5036.1	-1718.2				
SAW	5075.5	-1757.5				
TD	5157.5	-1839.6				

02/01-02-003-04W4/0

Status History

1993/03/21	DRILLED AND CASIED
1993/05/01	PUMPING CRUDE OIL
2000/05/13	PUMPING CRUDE OIL
2000/05/14	SUSPENDED CRUDE OIL

Production

Pool: Mannville 1

Note: Well is not currently producing; Last produced on 2000/04/30.

	Oil (m ³)	Gas (10 ³ m ³)	Water (m ³)	Time On (hrs)	Oil (m ³ /d)	Gas (10 ³ m ³ /d)	Water (m ³ /d)
Feb. 2000	23.2	5.1	123.1	430	1.3	0.3	6.9
Mar. 2000	97.0	17.8	615.8	740	3.1	0.6	20.0
Apr. 2000	88.5	10.9	543.9	714	3.0	0.4	18.3
Cumulative	14,829.3	1,531.9	18,502.6	58,235			
	Oil May 93 (m ³)	Gas Jun 93 (10 ³ m ³)	Water Mar 00 (m ³)	Time On Jul 93 (hrs)	Oil (m ³ /d)		Water (m ³ /d)
Max Value	776.5	48.3	615.8	744	28.7		20.0

02/01-02-003-04W4/2

Status History

1993/03/21	DRILLED AND CASIED
2000/05/13	DRILLED AND CASIED
2000/05/14	PUMPING CRUDE OIL

Production

Pool: Mannville 2

Note: Well is not currently producing; Last produced on 2004/08/31.

	Oil (m ³)	Gas (10 ³ m ³)	Water (m ³)	Time On (hrs)	Oil (m ³ /d)	Gas (10 ³ m ³ /d)	Water (m ³ /d)
June 2004	55.7	42.7	80.8	720	1.9	1.4	2.7
July 2004	51.6	43.8	75.4	744	1.7	1.4	2.4
Aug. 2004	47.5	39.2	58.9	744	1.5	1.3	1.9
Cumulative	10,266.0	1,923.0	3,916.1	37,191			
	Oil Jul 00 (m ³)	Gas Mar 01 (10 ³ m ³)	Water May 00 (m ³)	Time On Aug 00 (hrs)	Oil (m ³ /d)		Water (m ³ /d)
Max Value	368.8	108.8	332.7	744	12.1		11.7

00/01-02-003-04W4/0

Well Name: abc Little Valley 01-02 **Status:** SUSPENDED CRUDE OIL
Operator: abc Oil & Gas Co. Ltd.
Field Name: Little Valley **Field Code:** 0777
Pool Name: Mannville **Pool:** 0700077
Province: AB **Elevation:** 1,012.2 m

Interval: 1,514.2 - 1,516.7 m KB | 4,967.8 - 4,976.0 ft KB

Pool Datum Depth: -510.8 m SS **Initial Reservoir Pressure:** 13,346.0 kPa
Well Datum Depth: 1,518.2 m

Pressure Data

Date	Type	Run Depth (m)	Temp (°C)	Sea Level Datum (m)	Run Depth Gradient (kPa/m)	Shutin Period (hr)	Well Head Pressure (kPa)	Run Depth Pressure (kPa)	Datum Pressure (kPaa)	Remark
1993/09/21	AWS BUILD-UP	0.0	43		0.00	120	6,613	0	10,313	

Interval: 1,514.1 - 1,516.6 m KB | 4,967.5 - 4,975.7 ft KB

Pool Datum Depth: -510.8 m SS **Initial Reservoir Pressure:** 13,346.0 kPa
Well Datum Depth: 1,518.2 m

Pressure Data

Date	Type	Run Depth (m)	Temp (°C)	Sea Level Datum (m)	Run Depth Gradient (kPa/m)	Shutin Period (hr)	Well Head Pressure (kPa)	Run Depth Pressure (kPa)	Datum Pressure (kPaa)	Remark
1996/05/31	AWS SINGLE SHOT	0.0	43		0.00	1,464	584	0	2,240	
1994/04/04	AWS SINGLE SHOT	0.0	43		0.00	83	5,981	0	9,387	
1992/10/31	AWS BUILD-UP	0.0	43		0.00	360	5,605	0	11,362	
1991/04/30	BH STATIC GRADIENT	1,510.5	43		7.90	0	3,220	12,412	12,567	

Interval: 1,513.6 - 1,516.6 m KB | 4,965.9 - 4,975.7 ft KB

Pool Datum Depth: -510.8 m SS **Initial Reservoir Pressure:** 13,346.0 kPa
Well Datum Depth: 1,518.2 m

Pressure Data

Date	Type	Run Depth (m)	Temp (°C)	Sea Level Datum (m)	Run Depth Gradient (kPa/m)	Shutin Period (hr)	Well Head Pressure (kPa)	Run Depth Pressure (kPa)	Datum Pressure (kPaa)	Remark
1998/06/05	AWS BUILD-UP	0.0	43		0.00	426	2,355	0	8,611	
1997/05/30	AWS SINGLE SHOT	0.0	43		0.00	0	5,775	0	8,804	

Pool Gas Analysis

Pc: 4,874 kPa 707 psi **C₁:** 0.7629 **C₅:** 0.0024 **He:** 0.0001
Tc: 218 °K 392 °R **C₂:** 0.0796 **C₆:** 0.0008 **H₂:** 0.0024
Density: 0.74 0.74 **C₃:** 0.0241 **C₇₊:** 0.0002 **N₂:** 0.0135
 iC₄: 0.0032 **CO₂:** 0.1055
 nC₄: 0.0053 **H₂S:** 0.0000

OIL RESERVE REPORT

Field Name: Little Valley	Field Code: 777
Pool Name: Mannville	Pool Code: 0700077
Province: AB	Pool Sequence: 000
Discovery Year: 1983	

Reserve Parameters

Mean Formation Depth:	1505 m	4936 ft
Area:	2086 ha	5155 acres
Net Pay:	.00 m	.0 ft
Volume:	e^4m^3	0 acre ft
Porosity:	.000	.0 %
Water Saturation:	.00	.0 %
Shrinkage:	.00	.0 %
API Gravity:	35.4	35.4
Initial Pressure:	13346 kPa	1936 Psi
Temperature:	43 °C	110 °F
Solution GOR:	80 m^3e^3	449 scf/bbl
Initial Oil in Place:	4014 e^3m^3	25260 MBbl
Primary Recovery Factor:	.00	%
Primary Initial Reserves:	401.0 e^3m^3	2523 MBbl
Enhanced Recovery Factor:	.00	%
Enhanced Initial Reserves:	44.0 e^3m^3	277 Mbbl
Cumulative Production:	369.1 e^3m^3	2323 MBbl
Remaining Recoverable Oil:	75.9 e^3m^3	478 Mbbl