

PR 69-38

**AGL PETROLEUM**  
**STATIC GRADIENT SURVEY**  
**WM 2A (P1)**  
**17/07/90**

**DISTRIBUTION:**

Magellan Petroleum	1
Santos	1
AGL Petroleum - Alice Springs	1
AGL Petroleum - Darwin	1
Library	1
Well File	1

**PREPARED BY:**

Qld Operations  
AGL Petroleum  
AGL House  
60 Edward Street  
BRISBANE QLD 4000  
  
September 1990





## EXPERTEST PTY. LTD.

CUSTOMER : A.G.L.P.                      DATE: 17-07-90                      HP GAUGE S/N: 819  
 LOCATION : W.M.#2A                      TEST: STATIC GRADIENT                      OPERATOR: T CHAPMAN  
 FORMATION: PI                      PERFORATIONS: 4248-4329'KB                      GAUGE DEPTH: GRAD'NT  
 COMMENTS : GRADIENT RUNNING IN THE HOLE

DATE	REAL TIME	DELTA T (HRS)	B.H.P. (PSIA)	DELTA P (PSI)	TEMP (°F)	SURFACE (PSIG)	REMARKS
17-07-90	09:45:00	0.000	1441.29	1441.29	64.39		START THE SURVEY
17-07-90	09:46:00	0.017	1446.20	4.91	64.81		IN THE LUBRICATOR
17-07-90	09:47:00	0.033	1449.89	3.69	65.12		
17-07-90	09:48:00	0.050	1452.99	3.10	65.36		1 MIN SAMPLE RATE
17-07-90	09:49:00	0.067	1455.68	2.69	64.95		
17-07-90	09:50:00	0.083	1457.78	2.10	64.83	1449	CSG = 1416 PSIG
17-07-90	09:51:00	0.100	1459.62	1.84	64.87		
17-07-90	09:52:00	0.117	1460.84	1.22	64.55		1st GRADIENT STOP
17-07-90	09:53:00	0.133	1461.85	1.01	64.65		AT SURFACE
17-07-90	09:54:00	0.150	1462.74	0.89	64.52		
17-07-90	09:55:00	0.167	1463.45	0.71	64.64		DELTA T FROM
17-07-90	09:56:00	0.183	1464.08	0.63	64.40		START OF SURVEY
17-07-90	09:57:00	0.200	1464.59	0.51	64.45		
17-07-90	09:58:00	0.217	1464.98	0.40	64.48		DELTA P FROM
17-07-90	09:59:00	0.233	1465.27	0.28	64.32		PREVIOUS VALUE
17-07-90	10:00:00	0.250	1465.46	0.19	64.21		
17-07-90	10:01:00	0.267	1465.55	0.09	64.22		
17-07-90	10:02:00	0.283	1465.59	0.04	64.22		
17-07-90	10:03:00	0.300	1465.58	-0.01	64.22		
17-07-90	10:04:00	0.317	1465.50	-0.08	64.22		
17-07-90	10:05:00	0.333	1465.39	-0.11	64.21		RUN IN THE HOLE
17-07-90	10:13:00	0.467	1466.79	1.40	66.52		2nd STOP AT 500'KB
17-07-90	10:37:00	0.867	1492.03	25.23	71.08		
17-07-90	10:38:00	0.883	1492.08	0.06	71.12		
17-07-90	10:39:00	0.900	1492.08	-0.01	71.44		
17-07-90	10:40:00	0.917	1492.13	0.06	71.44		
17-07-90	10:41:00	0.933	1492.15	0.02	71.44		GRADIENT = .054
17-07-90	10:42:00	0.950	1492.17	0.02	71.45		RUN IN THE HOLE
17-07-90	10:47:00	1.033	1504.52	12.35	72.73		3rd STOP AT 1000'KB
17-07-90	11:10:00	1.417	1517.11	12.59	76.15		
17-07-90	11:11:00	1.433	1517.14	0.03	76.15		
17-07-90	11:12:00	1.450	1517.19	0.04	76.16		
17-07-90	11:13:00	1.467	1517.19	0.00	76.25		
17-07-90	11:14:00	1.483	1517.18	-0.01	76.35		GRADIENT = .050
17-07-90	11:15:00	1.500	1517.18	-0.00	76.34		RUN IN THE HOLE
17-07-90	11:19:00	1.567	1531.68	14.50	77.21		4th STOP AT 1500'KB
17-07-90	11:40:00	1.917	1541.98	10.30	80.61		
17-07-90	11:41:00	1.933	1542.01	0.03	80.62		
17-07-90	11:42:00	1.950	1542.05	0.05	80.68		
17-07-90	11:43:00	1.967	1542.10	0.05	80.77		
17-07-90	11:44:00	1.983	1542.10	-0.00	80.78		GRADIENT = .050
17-07-90	11:45:00	2.000	1542.12	0.02	80.84		RUN IN THE HOLE
17-07-90	11:48:00	2.050	1764.66	222.54	81.42		5th STOP AT 2000'KB
17-07-90	12:11:00	2.433	1567.36	-197.30	88.11		
17-07-90	12:12:00	2.450	1567.38	0.01	88.20	1450	CSG = 1417 PSIG
17-07-90	12:13:00	2.467	1567.47	0.10	88.21		
17-07-90	12:14:00	2.483	1567.48	0.01	88.21		
17-07-90	12:15:00	2.500	1567.55	0.07	88.21		GRADIENT = .051
17-07-90	12:16:00	2.517	1567.55	-0.00	88.35		RUN IN THE HOLE

## EXPERTEST PTY. LTD.

CUSTOMER : A.G.L.P.

DATE: 17-07-90

HP GAUGE S/N: 819

LOCATION : W.M.#2A

TEST: STATIC GRADIENT

OPERATOR: T CHAPMAN

FORMATION: P1

PERFORATIONS: 4248-4329'KB

GAUGE DEPTH: GRAD'NT

COMMENTS : GRADIENT RUNNING IN THE HOLE

DATE	REAL TIME	DELTA T (HRS)	B.H.P. (PSIA)	DELTA P (PSI)	TEMP (°F)	SURFACE (PSIG)	REMARKS
17-07-90	12:20:00	2.583	1571.29	-120.24	91.77		6th STOP AT 2500'KB
17-07-90	12:40:00	2.917	1592.20	20.91	98.70		
17-07-90	12:42:00	2.950	1592.34	0.14	98.84		
17-07-90	12:43:00	2.967	1592.44	0.10	98.85		
17-07-90	12:44:00	2.983	1592.51	0.08	98.86		
17-07-90	12:45:00	3.000	1592.58	0.06	98.86		
17-07-90	12:46:00	3.017	1592.63	0.06	98.87		
17-07-90	12:47:00	3.033	1592.64	0.01	98.87		GRADIENT = .050
17-07-90	12:48:00	3.050	1592.63	-0.01	99.05		RUN IN THE HOLE
17-07-90	12:52:00	3.117	1600.19	7.56	101.42		7th STOP AT 3000'KB
17-07-90	13:14:00	3.483	1617.58	17.39	108.72		
17-07-90	13:15:00	3.500	1617.63	0.05	108.73		
17-07-90	13:16:00	3.517	1617.67	0.04	108.74		
17-07-90	13:17:00	3.533	1617.71	0.04	108.74		
17-07-90	13:18:00	3.550	1617.71	0.00	108.87		GRADIENT = .050
17-07-90	13:19:00	3.567	1617.72	0.01	109.01		RUN IN THE HOLE
17-07-90	13:23:00	3.633	1628.52	10.81	111.06		8th STOP AT 3500'KB
17-07-90	13:24:00	3.650	1630.13	1.60	112.29		
17-07-90	13:25:00	3.667	1631.92	1.80	113.75		
17-07-90	13:45:00	4.000	1642.85	10.93	118.82		
17-07-90	13:46:00	4.017	1642.91	0.06	118.83		
17-07-90	13:47:00	4.033	1642.90	-0.00	118.93		
17-07-90	13:48:00	4.050	1642.90	-0.01	119.11		
17-07-90	13:49:00	4.067	1642.92	0.03	119.12		GRADIENT = .050
17-07-90	13:50:00	4.083	1642.92	-0.00	119.14		RUN IN THE HOLE
17-07-90	13:54:00	4.150	1657.29	14.37	121.63		9th STOP AT 4000'KB
17-07-90	14:10:00	4.417	1667.22	9.93	129.01		
17-07-90	14:11:00	4.433	1667.30	0.09	129.02		
17-07-90	14:12:00	4.450	1667.33	0.03	129.30		
17-07-90	14:13:00	4.467	1667.35	0.02	129.41		
17-07-90	14:14:00	4.483	1667.40	0.05	129.50		GRADIENT = .049
17-07-90	14:15:00	4.500	1667.41	0.01	129.58		RUN IN THE HOLE
17-07-90	14:18:00	4.550	1677.08	9.67	130.35		10th STOP AT 4250'K
17-07-90	14:33:00	4.800	1679.54	2.46	133.97		
17-07-90	14:34:00	4.817	1679.55	0.01	134.00		
17-07-90	14:35:00	4.833	1679.63	0.08	133.88		
17-07-90	14:36:00	4.850	1679.56	-0.07	134.28		
17-07-90	14:37:00	4.867	1679.57	0.01	134.28		GRADIENT = .049
17-07-90	14:38:00	4.883	1679.57	-0.00	134.28		RUN IN THE HOLE
17-07-90	14:44:00	4.983	1690.88	11.31	135.99		11th STOP AT 4500'K
17-07-90	14:52:00	5.117	1691.48	0.60	137.36		
17-07-90	14:53:00	5.133	1691.52	0.04	137.36		
17-07-90	14:54:00	5.150	1691.53	0.00	137.49		
17-07-90	14:55:00	5.167	1691.54	0.01	137.61	1448	CSG = 1412 PSIG
17-07-90	14:58:00	5.217	1691.57	0.03	137.69		
17-07-90	14:59:00	5.233	1691.53	-0.03	137.89		GRADIENT = .048
17-07-90	15:00:00	5.250	1691.53	-0.00	137.90		PULL OUT OF HOLE

## EXPERTEST PTY. LTD.

CUSTOMER : A.G.L.P.                      DATE: 17-07-90                      HP GAUGE S/N: 819  
 LOCATION : W.M.#2A                      TEST: STATIC GRADIENT                      OPERATOR: T CHAPMAN  
 FORMATION: P1                      PERFORATIONS: 4248-4329'KB                      GAUGE DEPTH: GRAD'NT  
 COMMENTS : GRADIENT PULLING OUT THE HOLE

DATE	REAL TIME	DELTA T (HRS)	B.H.P. (PSIA)	DELTA P (PSI)	TEMP (°F)	SURFACE (PSIG)	REMARKS
17-07-90	14:44:00	-0.750	1690.88	-0.65	135.99		START STATIC GRADIENT
17-07-90	14:52:00	-0.616	1691.48	0.60	137.36		
17-07-90	14:53:00	-0.600	1691.52	0.04	137.36		
17-07-90	14:54:00	-0.583	1691.53	0.00	137.49		1st STOP AT 4500'KB
17-07-90	14:55:00	-0.566	1691.54	0.01	137.61	1448	CSG = 1412 PSIG
17-07-90	14:58:00	-0.516	1691.57	0.03	137.69		GRADIENT = .048
17-07-90	14:59:00	-0.500	1691.53	-0.03	137.89		
17-07-90	15:00:00	-0.483	1691.53	-0.00	137.90		PULL OUT OF HOLE
17-07-90	15:04:00	0.334	1680.02	-11.51	138.13		2nd STOP AT 4250'KB
17-07-90	15:08:00	0.400	1679.54	-0.48	136.87		
17-07-90	15:09:00	0.417	1679.41	-0.13	136.82		
17-07-90	15:10:00	0.434	1679.28	-0.13	136.80		
17-07-90	15:11:00	0.450	1679.22	-0.06	136.61		
17-07-90	15:12:00	0.467	1679.11	-0.10	136.57		
17-07-90	15:13:00	0.484	1679.03	-0.09	136.56		
17-07-90	15:14:00	0.500	1678.95	-0.07	136.52		GRADIENT = .051
17-07-90	15:15:00	0.517	1678.89	-0.06	136.42		PULL OUT OF HOLE
17-07-90	15:19:00	0.584	1668.26	-10.64	135.29		3rd STOP AT 4000'KB
17-07-90	15:33:00	0.817	1666.28	-1.98	132.51		
17-07-90	15:34:00	0.834	1666.25	-0.03	132.51		
17-07-90	15:35:00	0.850	1666.24	-0.01	132.46		
17-07-90	15:36:00	0.867	1666.26	0.02	132.35		GRADIENT = .050
17-07-90	15:37:00	0.884	1666.31	0.05	132.26		PULL OUT OF HOLE
17-07-90	15:42:00	0.967	1651.07	-15.24	128.95		4th STOP AT 3500'KB
17-07-90	16:04:00	1.334	1641.99	-9.08	123.14		
17-07-90	16:05:00	1.350	1641.94	-0.05	123.14		
17-07-90	16:06:00	1.367	1641.89	-0.05	123.13		
17-07-90	16:07:00	1.384	1641.84	-0.04	123.13		GRADIENT = .049
17-07-90	16:08:00	1.400	1641.80	-0.04	123.12		PULL OUT OF HOLE
17-07-90	16:14:00	1.500	1629.19	-12.61	118.93		5th STOP AT 3000'KB
17-07-90	16:38:00	1.900	1616.51	-12.68	111.15		
17-07-90	16:39:00	1.917	1616.45	-0.06	111.15		
17-07-90	16:40:00	1.934	1616.37	-0.07	111.14		
17-07-90	16:41:00	1.950	1616.31	-0.06	111.13		GRADIENT = .051
17-07-90	16:42:00	1.967	1616.26	-0.05	111.13		PULL OUT OF HOLE
17-07-90	16:47:00	2.050	1604.64	-11.62	109.18		6th STOP AT 2500'KB
17-07-90	17:10:00	2.434	1590.73	-13.90	102.13		
17-07-90	17:11:00	2.450	1590.73	-0.00	101.74		
17-07-90	17:12:00	2.467	1590.69	-0.04	101.57		
17-07-90	17:13:00	2.484	1590.64	-0.05	101.57		GRADIENT = .051
17-07-90	17:14:00	2.500	1590.61	-0.02	101.50		PULL OUT OF HOLE
17-07-90	17:18:00	2.567	1585.57	-5.04	99.06		7th STOP AT 2000'KB
17-07-90	17:48:00	3.067	1565.31	-20.26	91.26		
17-07-90	17:49:00	3.084	1565.26	-0.05	91.26	1448	CSG = 1412 PSIG
17-07-90	17:50:00	3.100	1565.16	-0.10	91.26		
17-07-90	17:51:00	3.117	1565.12	-0.05	91.25		
17-07-90	17:52:00	3.134	1565.08	-0.03	91.25		GRADIENT = .051
17-07-90	17:53:00	3.150	1565.06	-0.02	91.24		PULL OUT OF HOLE
17-07-90	17:56:00	3.200	1557.64	-7.42	88.49		8th STOP AT 1500'KB
17-07-90	17:57:00	3.217	1556.73	-0.91	87.34		

## EXPERTEST PTY. LTD.

CUSTOMER : A.G.L.P.

DATE: 17-07-90

HP GAUGE S/N: 819

LOCATION : W.M.#2A

TEST: STATIC GRADIENT

OPERATOR: T CHAPMAN

FORMATION: P1

PERFORATIONS: 4248-4329'KB

GAUGE DEPTH: GRAD'NT

COMMENTS : GRADIENT PULLING OUT THE HOLE

DATE	REAL TIME	DELTA T (HRS)	B.H.P. (PSIA)	DELTA P (PSI)	TEMP (°F)	SURFACE (PSIG)	REMARKS
17-07-90	17:58:00	3.234	1554.83	-1.90	86.56		
17-07-90	17:59:00	3.250	1552.74	-2.09	85.99		
17-07-90	18:00:00	3.267	1550.85	-1.89	85.66		
17-07-90	18:01:00	3.284	1549.20	-1.65	85.17		
17-07-90	18:02:00	3.300	1547.67	-1.53	85.04		
17-07-90	18:03:00	3.317	1546.35	-1.33	84.92		
17-07-90	18:04:00	3.334	1545.23	-1.12	84.75		
17-07-90	18:05:00	3.350	1544.32	-0.91	84.11		
17-07-90	18:06:00	3.367	1543.48	-0.84	84.04		
17-07-90	18:07:00	3.384	1542.78	-0.70	83.98		
17-07-90	18:08:00	3.400	1542.22	-0.56	83.68		
17-07-90	18:09:00	3.417	1541.74	-0.48	83.49		
17-07-90	18:10:00	3.434	1541.30	-0.44	83.41		
17-07-90	18:11:00	3.450	1540.94	-0.36	83.28		
17-07-90	18:12:00	3.467	1540.62	-0.31	83.13		
17-07-90	18:13:00	3.484	1540.35	-0.27	82.92		
17-07-90	18:14:00	3.500	1540.10	-0.25	82.90		
17-07-90	18:15:00	3.517	1539.91	-0.20	82.88		
17-07-90	18:16:00	3.534	1539.71	-0.20	82.87		
17-07-90	18:17:00	3.550	1539.57	-0.14	82.86		
17-07-90	18:18:00	3.567	1539.41	-0.15	82.85		
17-07-90	18:19:00	3.584	1539.31	-0.10	82.83		
17-07-90	18:20:00	3.600	1539.19	-0.13	82.82		
17-07-90	18:21:00	3.617	-694.16	-233.35	82.70		
17-07-90	18:22:00	3.634	1572.42	7266.58	483.15		
17-07-90	18:23:00	3.650	1539.04	-33.39	82.28		
17-07-90	18:24:00	3.667	1538.97	-0.06	82.19		
17-07-90	18:25:00	3.684	1538.91	-0.07	82.27		
17-07-90	18:26:00	3.700	1538.92	0.02	81.91		
17-07-90	18:27:00	3.717	1538.86	-0.06	82.07		GRADIENT = .053
17-07-90	18:28:00	3.734	1538.76	-0.11	82.06		PULL OUT OF HOLE
17-07-90	18:31:00	3.784	1523.21	-15.54	81.41		9th STOP AT 1000'KB
17-07-90	18:54:00	4.167	1513.73	-9.48	77.89		
17-07-90	18:55:00	4.184	1513.66	-0.06	77.88		
17-07-90	18:56:00	4.200	1513.60	-0.06	77.88		
17-07-90	18:57:00	4.217	1513.56	-0.05	77.87		
17-07-90	18:58:00	4.234	1513.53	-0.02	77.87		GRADIENT = .051
17-07-90	18:59:00	4.250	1513.47	-0.06	77.86		PULL OUT OF HOLE
17-07-90	19:03:00	4.317	1500.55	-12.92	76.77		10th STOP AT 500'KB
17-07-90	19:25:00	4.684	1488.26	-12.30	73.14		
17-07-90	19:26:00	4.700	1488.17	-0.09	73.13		
17-07-90	19:27:00	4.717	1488.12	-0.05	73.12		
17-07-90	19:28:00	4.734	1487.93	-0.18	73.11		
17-07-90	19:31:00	4.784	1487.81	-0.12	73.09		GRADIENT = .051
17-07-90	19:32:00	4.800	1487.79	-0.02	72.93		PULL OUT OF HOLE
17-07-90	19:37:00	4.884	1482.00	-5.78	70.80		11th STOP AT SURFAC
17-07-90	19:41:00	4.950	1489.99	7.99	66.84		
17-07-90	19:42:00	4.967	1488.25	-1.74	65.88	1449	CSG = 1413 PSIG
17-07-90	19:53:00	5.150	1471.21	-17.04	60.59		
17-07-90	19:54:00	5.167	1470.38	-0.83	60.52		

## EXPERTEST PTY. LTD.

CUSTOMER : A.G.L.P.

DATE: 17-07-90

HP GAUGE S/N: 819

LOCATION : W.M.#2A

TEST: STATIC GRADIENT

OPERATOR: T CHAPMAN

FORMATION: P1

PERFORATIONS: 4248-4329\*KB

GAUGE DEPTH: GRAD'NT

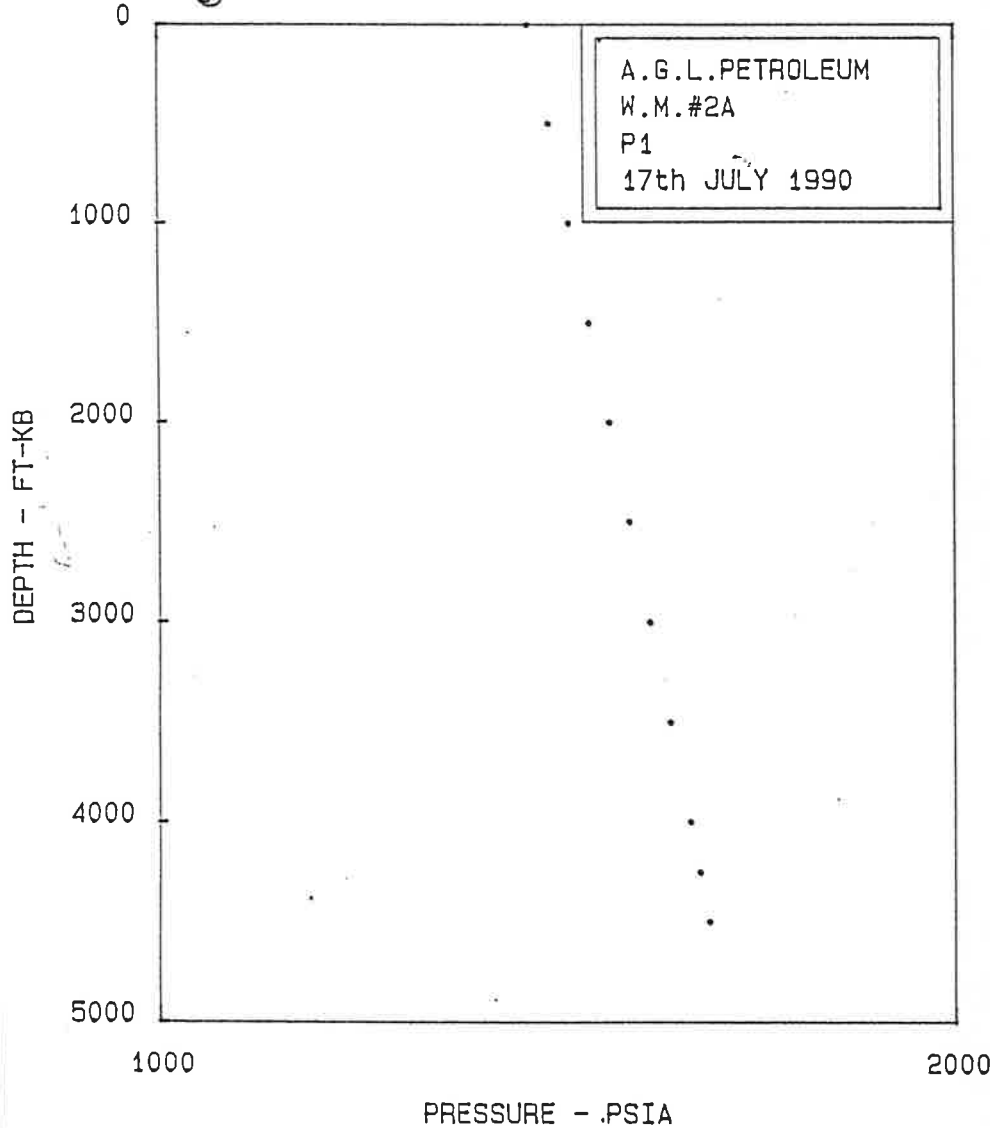
COMMENTS : GRADIENT PULLING OUT THE HOLE

DATE	REAL TIME	DELTA T (HRS)	B.H.P. (PSIA)	DELTA P (PSI)	TEMP (°F)	SURFACE (PSIG)	REMARKS
17-07-90	19:55:00	5.184	1469.72	-0.66	59.85		
17-07-90	19:56:00	5.200	1469.08	-0.64	59.59		
17-07-90	19:57:00	5.217	1468.55	-0.53	59.41		
17-07-90	19:58:00	5.234	1468.06	-0.49	59.19		
17-07-90	19:59:00	5.250	1467.65	-0.41	58.87		
17-07-90	20:00:00	5.267	1467.29	-0.35	58.71		
17-07-90	20:01:00	5.284	1467.04	-0.26	58.36		
17-07-90	20:02:00	5.300	1466.76	-0.27	58.33		
17-07-90	20:03:00	5.317	1466.51	-0.25	58.29		
17-07-90	20:04:00	5.334	1466.34	-0.17	58.02		
17-07-90	20:05:00	5.350	1466.20	-0.14	57.76		
17-07-90	20:11:00	5.450	1465.49	-0.71	56.78		
17-07-90	20:12:00	5.467	1465.42	-0.08	56.58	1450	CSG = 1413 PSIG
17-07-90	20:13:00	5.484	1465.31	-0.10	56.41		GRADIENT = .046
17-07-90	20:14:00	5.500	1465.17	-0.14	56.32		DEPRESSURE LUB.
17-07-90	20:15:00	5.517	1465.05	-0.13	56.15		END OF SURVEY



# EXPERTEST PTY LTD - ELECTRIC WIRELINE SERVICE

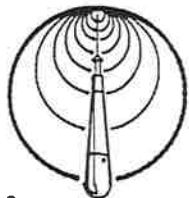
## STATIC GRADIENT SURVEY



STOP	TIME	DEPTH ('KB)	PRESSURE (PSIA)	GRADIENT (PSI/FT)
1	945	LUB.	1465.39	----
2	1013	500	1492.17	0.0536
3	1046	1000	1517.18	0.0500
4	1119	1500	1542.12	0.0499
5	1148	2000	1567.55	0.0509
6	1220	2500	1592.63	0.0502
7	1252	3000	1617.72	0.0502
8	1323	3500	1642.92	0.0504
9	1354	4000	1667.41	0.0490
10	1418	4250	1679.57	0.0486
11	1443	4500	1691.53	0.0478

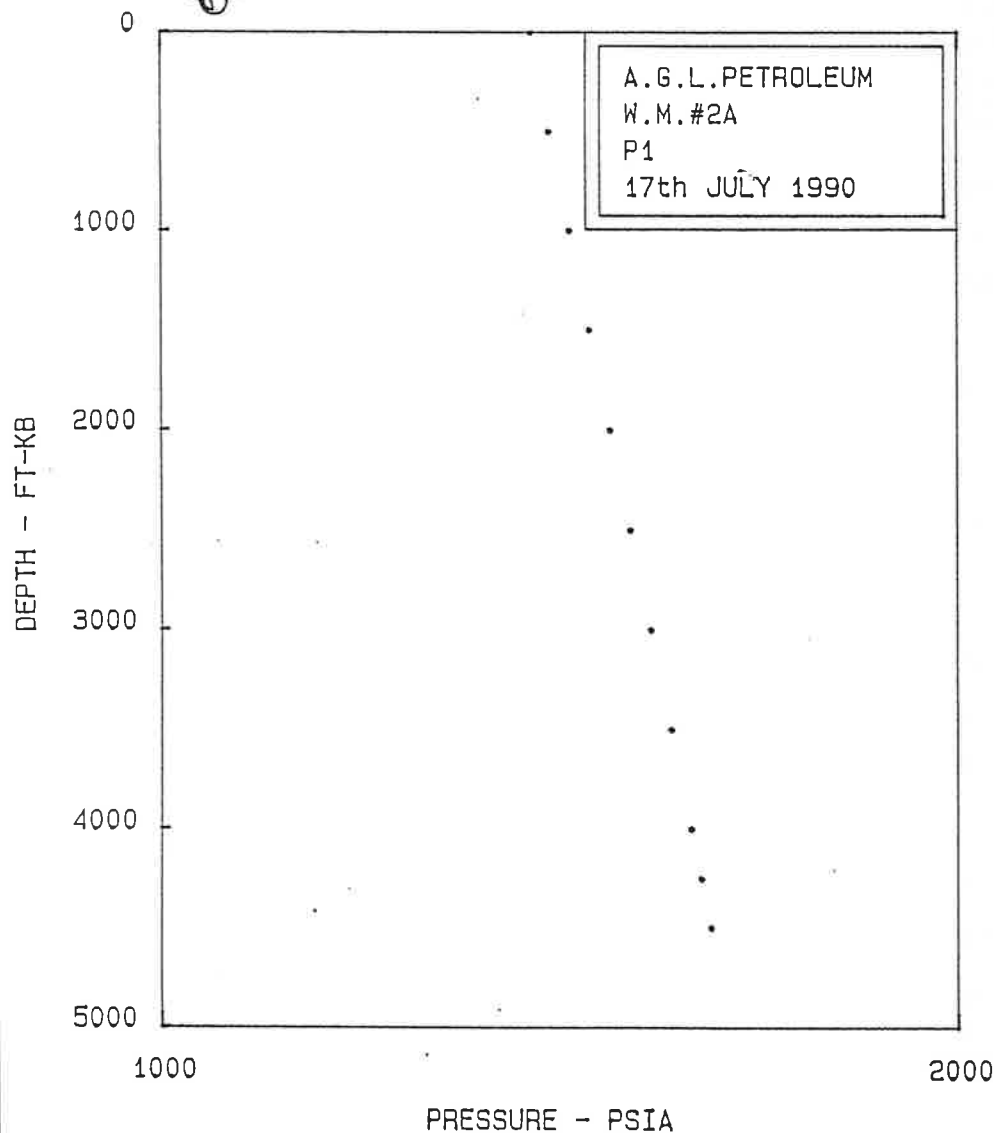
GRADIENT CONDUCTED RUNNING IN THE HOLE





# EXPERTEST PTY LTD - ELECTRIC WIRELINE SERVICE

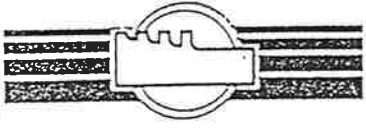
## STATIC GRADIENT SURVEY



STOP	TIME	DEPTH ('KB)	PRESSURE (PSIA)	GRADIENT (PSI/FT)
1	1443	4500	1691.53	----
2	1504	4250	1678.89	0.0506
3	1519	4000	1666.31	0.0503
4	1542	3500	1641.80	0.0490
5	1614	3000	1616.26	0.0511
6	1647	2500	1590.61	0.0513
7	1718	2000	1565.06	0.0511
8	1756	1500	1538.76	0.0526
9	1831	1000	1513.47	0.0506
10	1903	500	1487.79	0.0514
11	1937	LUB.	1465.05	0.0455

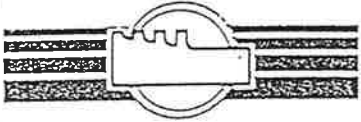
GRADIENT CONDUCTED PULLING OUT OF THE HOLE

SEQUENCE OF EVENTS



CUSTOMER : A.G.L. PETROLEUM	PERFORATIONS: 4248'-4329'	PAGE: 1 OF 2
WELL NAME: W.M. #2A	FORMATION : P1	DATE: 16TH JULY 1990
TEST TYPE : SSD/ISOLATION TOOL - FOR STATIC GRADIENT SURVEY.		OPR : B. KIRKSEY

DATE/TIME	DESCRIPTION OF EVENTS
15/7/90	MOVE SEPARATOR AND W/L UNIT ONTO LOCATION, RIG IN SEPARATOR 124 AND MANIFOLD 83.
16/7/90	
0600	REDRESS SWAB VALVE, REPLACED PLUG, SEATS AND SEALS.
0830	RIG UP .092 LINE.
1015	R.I.H. WITH 1.75 GAUGE RING TO 4600' P.O.H. APPEAR TO HAVE CORKSCREWED TUBING FROM 3500' TO END OF TUBING, FINAL FLUID LEVEL 3800'.
1100	R.I.H. WITH 2" B SHIFTING TOOL, LOCATE SSD @ 4548'KB, JAR UP TO OPEN SSD SHIFTING TOOL PASSED THROUGH SSD INDICATING SSD OPEN. P.O.H. CHECK TOOL PIN WAS NOT SHEARED.
1200	PREPARE AND DRESS ISOLATION TOOL.
1300	R.I.H. AND SET 1.875 ISOLATION TOOL @ 4548'KB P.O.H.
1400	FLOW WELL THROUGH SEPARATOR, TUBING 1400psi, CASING 1400psi.
1425	WELL BEGAN MAKING FLUID, TUBING 1000psi, CASING 1360psi.
1500	WELL NOT MAKING ANY MORE FLUID SHUT IN, TUBING 1450psi, CASING 1450 psi. WELL MADE APPROX 1100 LITRES OIL.
1600	RIG DOWN .092 LINE AND BEGIN RIGGING UP 7/32 ELECTRIC LINE.
1800	SECURE WELL.  * REFER TO E-LINE REPORT FOR CONTINUATION OF REPORT.
17/7/90	PERFORM STATIC GRADIENT. RIG DOWN PRODUCTION SEPARATOR AND SURFACE TEST EQUIPMENT.



CUSTOMER : A.G.L. PETROLEUM	PERFORATIONS: 4248'-4329'KB	PAGE: 2 OF 2
WELL NAME: W.M. #2A	FORMATION : P1	DATE: 18TH JULY 1990
TEST TYPE : SSD/ISOLATION TOOL - FOR STATIC	GRADIENT SURVEY	OPR : B. KIRKSEY

DATE/TIME	DESCRIPTION OF EVENTS
18/7/90	
0600	WRITE REPORTS FOR BRISBANE/STANDBY FOR INFORMATION ON EQUIPMENT MOVEMENTS.
0930	ARRIVE ON LOCATION AND RIG DOWN ELECTRIC LINE LUBRICATOR. RIG UP WIRE LINE LUBRICATOR.
1015	R.I.H. WITH 1.875 G.S. PULLING TOOL WITH ISOLATION TOOL XO EQUALIZING PRONG.
1040	STAB INTO ISOLATION TOOL - ALLOW PRESSURE TIME TO EQUALIZE. PRESSURE IN TUBING INCREASES BY 5 PSIG AND THEN STABILIZES.
1050	SIT DOWN ON ISOLATION TOOL AGAIN TO BE SURE THE EQUALIZING SUB IS OPEN.
1100	JAR ISOLATION TOOL OUT OF SSD - P.O.H.
1115	AT SURFACE. PREPARE TO RUN 2" B SHIFTING TOOL.
1120	PRESSURE UP THE LUBRICATOR - RUN IN HOLE WITH 2" B SHIFTING TOOL. LOCATE OPEN SSD @ 4548'KB.
1130	JAR DOWN TO CLOSE - P.O.H.
1140	AT SURFACE - CHECK TOOL, PIN WAS NOT SHEARED.
1230	RIG DOWN .092 WIRELINE UNIT AND ALL REMAINING EQUIPMENT.
1330	DEPART LOCATION. END OF SURVEY.



## EXPERTEST PTY. LTD.

CUSTOMER : A.G.L.P.  
 LOCATION : W.M.#2A  
 FORMATION: P1  
 COMMENTS : GRADIENT RUNNING IN THE HOLE

DATE: 17-07-90  
 TEST: STATIC GRADIENT  
 PERFORATIONS: 4248-4329'KB

HP GAUGE S/N: 819  
 OPERATOR: T CHAPMAN  
 GAUGE DEPTH: GRAD'NT

DATE	REAL TIME	DELTA T (HRS)	B.H.P. (PSIA)	DELTA P (PSI)	TEMP (°F)	SURFACE (PSIG)	REMARKS
17-07-90	09:45:00	0.000	1441.29	1441.29	64.39		START THE SURVEY
17-07-90	09:46:00	0.017	1446.20	4.91	64.81		IN THE LUBRICATOR
17-07-90	09:47:00	0.033	1449.89	3.69	65.12		
17-07-90	09:48:00	0.050	1452.99	3.10	65.36		1 MIN SAMPLE RATE
17-07-90	09:49:00	0.067	1455.68	2.69	64.95		
17-07-90	09:50:00	0.083	1457.78	2.10	64.83	1449	CSG = 1416 PSIG
17-07-90	09:51:00	0.100	1459.62	1.84	64.87		
17-07-90	09:52:00	0.117	1460.84	1.22	64.55		1st GRADIENT STOP
17-07-90	09:53:00	0.133	1461.85	1.01	64.65		AT SURFACE
17-07-90	09:54:00	0.150	1462.74	0.89	64.52		
17-07-90	09:55:00	0.167	1463.45	0.71	64.64		DELTA T FROM
17-07-90	09:56:00	0.183	1464.08	0.63	64.40		START OF SURVEY
17-07-90	09:57:00	0.200	1464.59	0.51	64.45		
17-07-90	09:58:00	0.217	1464.98	0.40	64.48		DELTA P FROM
17-07-90	09:59:00	0.233	1465.27	0.28	64.32		PREVIOUS VALUE
17-07-90	10:00:00	0.250	1465.46	0.19	64.21		
17-07-90	10:01:00	0.267	1465.55	0.09	64.22		
17-07-90	10:02:00	0.283	1465.59	0.04	64.22		
17-07-90	10:03:00	0.300	1465.58	-0.01	64.22		
17-07-90	10:04:00	0.317	1465.50	-0.08	64.22		
17-07-90	10:05:00	0.333	1465.39	-0.11	64.21		RUN IN THE HOLE
17-07-90	10:13:00	0.467	1466.79	1.40	66.52		2nd STOP AT 500'KB
17-07-90	10:37:00	0.867	1492.03	25.23	71.08		
17-07-90	10:38:00	0.883	1492.08	0.06	71.12		
17-07-90	10:39:00	0.900	1492.08	-0.01	71.44		
17-07-90	10:40:00	0.917	1492.13	0.06	71.44		
17-07-90	10:41:00	0.933	1492.15	0.02	71.44		GRADIENT = .054
17-07-90	10:42:00	0.950	1492.17	0.02	71.45		RUN IN THE HOLE
17-07-90	10:47:00	1.033	1504.52	12.35	72.73		3rd STOP AT 1000'KB
17-07-90	11:10:00	1.417	1517.11	12.59	76.15		
17-07-90	11:11:00	1.433	1517.14	0.03	76.15		
17-07-90	11:12:00	1.450	1517.19	0.04	76.16		
17-07-90	11:13:00	1.467	1517.19	0.00	76.25		
17-07-90	11:14:00	1.483	1517.18	-0.01	76.35		GRADIENT = .050
17-07-90	11:15:00	1.500	1517.18	-0.00	76.34		RUN IN THE HOLE
17-07-90	11:19:00	1.567	1531.68	14.50	77.21		4th STOP AT 1500'KB
17-07-90	11:40:00	1.917	1541.98	10.30	80.61		
17-07-90	11:41:00	1.933	1542.01	0.03	80.62		
17-07-90	11:42:00	1.950	1542.05	0.05	80.68		
17-07-90	11:43:00	1.967	1542.10	0.05	80.77		
17-07-90	11:44:00	1.983	1542.10	-0.00	80.78		GRADIENT = .050
17-07-90	11:45:00	2.000	1542.12	0.02	80.84		RUN IN THE HOLE
17-07-90	11:48:00	2.050	1764.66	222.54	81.42		5th STOP AT 2000'KB
17-07-90	12:11:00	2.433	1567.36	-197.30	88.11		
17-07-90	12:12:00	2.450	1567.38	0.01	88.20	1450	CSG = 1417 PSIG
17-07-90	12:13:00	2.467	1567.47	0.10	88.21		
17-07-90	12:14:00	2.483	1567.48	0.01	88.21		
17-07-90	12:15:00	2.500	1567.55	0.07	88.21		GRADIENT = .051
17-07-90	12:16:00	2.517	1567.55	-0.00	88.35		RUN IN THE HOLE

## EXPERTEST PTY. LTD.

CUSTOMER : A.G.L.P.

DATE: 17-07-90

HP GAUGE S/N: 819

LOCATION : W.M.#2A

TEST: STATIC GRADIENT

OPERATOR: T CHAPMAN

FORMATION: P1

PERFORATIONS: 4248-4329'KB

GAUGE DEPTH: GRAD'NT

COMMENTS : GRADIENT RUNNING IN THE HOLE

DATE	REAL TIME	DELTA T (HRS)	B.H.P. (PSIA)	DELTA P (PSI)	TEMP (°F)	SURFACE (PSIG)	REMARKS
17-07-90	12:20:00	2.583	1571.29	-120.24	91.77		6th STOP AT 2500'KB
17-07-90	12:40:00	2.917	1592.20	20.91	98.70		
17-07-90	12:42:00	2.950	1592.34	0.14	98.84		
17-07-90	12:43:00	2.967	1592.44	0.10	98.85		
17-07-90	12:44:00	2.983	1592.51	0.08	98.86		
17-07-90	12:45:00	3.000	1592.58	0.06	98.86		
17-07-90	12:46:00	3.017	1592.63	0.06	98.87		
17-07-90	12:47:00	3.033	1592.64	0.01	98.87		GRADIENT = .050
17-07-90	12:48:00	3.050	1592.63	-0.01	99.05		RUN IN THE HOLE
17-07-90	12:52:00	3.117	1600.19	7.56	101.42		7th STOP AT 3000'KB
17-07-90	13:14:00	3.483	1617.58	17.39	108.72		
17-07-90	13:15:00	3.500	1617.63	0.05	108.73		
17-07-90	13:16:00	3.517	1617.67	0.04	108.74		
17-07-90	13:17:00	3.533	1617.71	0.04	108.74		
17-07-90	13:18:00	3.550	1617.71	0.00	108.87		GRADIENT = .050
17-07-90	13:19:00	3.567	1617.72	0.01	109.01		RUN IN THE HOLE
17-07-90	13:23:00	3.633	1628.52	10.81	111.06		8th STOP AT 3500'KB
17-07-90	13:24:00	3.650	1630.13	1.60	112.29		
17-07-90	13:25:00	3.667	1631.92	1.80	113.75		
17-07-90	13:45:00	4.000	1642.85	10.93	118.82		
17-07-90	13:46:00	4.017	1642.91	0.06	118.83		
17-07-90	13:47:00	4.033	1642.90	-0.00	118.93		
17-07-90	13:48:00	4.050	1642.90	-0.01	119.11		
17-07-90	13:49:00	4.067	1642.92	0.03	119.12		GRADIENT = .050
17-07-90	13:50:00	4.083	1642.92	-0.00	119.14		RUN IN THE HOLE
17-07-90	13:54:00	4.150	1657.29	14.37	121.63		9th STOP AT 4000'KB
17-07-90	14:10:00	4.417	1667.22	9.93	129.01		
17-07-90	14:11:00	4.433	1667.30	0.09	129.02		
17-07-90	14:12:00	4.450	1667.33	0.03	129.30		
17-07-90	14:13:00	4.467	1667.35	0.02	129.41		
17-07-90	14:14:00	4.483	1667.40	0.05	129.50		GRADIENT = .049
17-07-90	14:15:00	4.500	1667.41	0.01	129.58		RUN IN THE HOLE
17-07-90	14:18:00	4.550	1677.08	9.67	130.35		10th STOP AT 4250'K
17-07-90	14:33:00	4.800	1679.54	2.46	133.97		
17-07-90	14:34:00	4.817	1679.55	0.01	134.00		
17-07-90	14:35:00	4.833	1679.63	0.08	133.88		
17-07-90	14:36:00	4.850	1679.56	-0.07	134.28		
17-07-90	14:37:00	4.867	1679.57	0.01	134.28		GRADIENT = .049
17-07-90	14:38:00	4.883	1679.57	-0.00	134.28		RUN IN THE HOLE
17-07-90	14:44:00	4.983	1690.88	11.31	135.99		11th STOP AT 4500'K
17-07-90	14:52:00	5.117	1691.48	0.60	137.36		
17-07-90	14:53:00	5.133	1691.52	0.04	137.36		
17-07-90	14:54:00	5.150	1691.53	0.00	137.49		
17-07-90	14:55:00	5.167	1691.54	0.01	137.61	1448	CSG = 1412 PSIG
17-07-90	14:58:00	5.217	1691.57	0.03	137.69		
17-07-90	14:59:00	5.233	1691.53	-0.03	137.89		GRADIENT = .048
17-07-90	15:00:00	5.250	1691.53	-0.00	137.90		PULL OUT OF HOLE

## EXPERTEST PTY. LTD.

CUSTOMER : A.G.L.P.                      DATE: 17-07-90                      HP GAUGE S/N: 819  
 LOCATION : W.M.#2A                      TEST: STATIC GRADIENT                      OPERATOR: T CHAPMAN  
 FORMATION: P1                      PERFORATIONS: 4248-4329'KB                      GAUGE DEPTH: GRAD'NT  
 COMMENTS : GRADIENT PULLING OUT THE HOLE

DATE	REAL TIME	DELTA T (HRS)	B.H.P. (PSIA)	DELTA P (PSI)	TEMP (°F)	SURFACE (PSIG)	REMARKS
17-07-90	14:44:00	-0.750	1690.88	-0.65	135.99		START STATIC GRADIENT
17-07-90	14:52:00	-0.616	1691.48	0.60	137.36		
17-07-90	14:53:00	-0.600	1691.52	0.04	137.36		
17-07-90	14:54:00	-0.583	1691.53	0.00	137.49		1st STOP AT 4500'KB
17-07-90	14:55:00	-0.566	1691.54	0.01	137.61	1448	CSG = 1412 PSIG
17-07-90	14:58:00	-0.516	1691.57	0.03	137.69		GRADIENT = .048
17-07-90	14:59:00	-0.500	1691.53	-0.03	137.89		
17-07-90	15:00:00	-0.483	1691.53	-0.00	137.90		PULL OUT OF HOLE
17-07-90	15:04:00	0.334	1680.02	-11.51	138.13		2nd STOP AT 4250'KB
17-07-90	15:08:00	0.400	1679.54	-0.48	136.87		
17-07-90	15:09:00	0.417	1679.41	-0.13	136.82		
17-07-90	15:10:00	0.434	1679.28	-0.13	136.80		
17-07-90	15:11:00	0.450	1679.22	-0.06	136.61		
17-07-90	15:12:00	0.467	1679.11	-0.10	136.57		
17-07-90	15:13:00	0.484	1679.03	-0.09	136.56		
17-07-90	15:14:00	0.500	1678.95	-0.07	136.52		GRADIENT = .051
17-07-90	15:15:00	0.517	1678.89	-0.06	136.42		PULL OUT OF HOLE
17-07-90	15:19:00	0.584	1668.26	-10.64	135.29		3rd STOP AT 4000'KB
17-07-90	15:33:00	0.817	1666.28	-1.98	132.51		
17-07-90	15:34:00	0.834	1666.25	-0.03	132.51		
17-07-90	15:35:00	0.850	1666.24	-0.01	132.46		
17-07-90	15:36:00	0.867	1666.26	0.02	132.35		GRADIENT = .050
17-07-90	15:37:00	0.884	1666.31	0.05	132.26		PULL OUT OF HOLE
17-07-90	15:42:00	0.967	1651.07	-15.24	128.95		4th STOP AT 3500'KB
17-07-90	16:04:00	1.334	1641.99	-9.08	123.14		
17-07-90	16:05:00	1.350	1641.94	-0.05	123.14		
17-07-90	16:06:00	1.367	1641.89	-0.05	123.13		
17-07-90	16:07:00	1.384	1641.84	-0.04	123.13		GRADIENT = .049
17-07-90	16:08:00	1.400	1641.80	-0.04	123.12		PULL OUT OF HOLE
17-07-90	16:14:00	1.500	1629.19	-12.61	118.93		5th STOP AT 3000'KB
17-07-90	16:38:00	1.900	1616.51	-12.68	111.15		
17-07-90	16:39:00	1.917	1616.45	-0.06	111.15		
17-07-90	16:40:00	1.934	1616.37	-0.07	111.14		
17-07-90	16:41:00	1.950	1616.31	-0.06	111.13		GRADIENT = .051
17-07-90	16:42:00	1.967	1616.26	-0.05	111.13		PULL OUT OF HOLE
17-07-90	16:47:00	2.050	1604.64	-11.62	109.18		6th STOP AT 2500'KB
17-07-90	17:10:00	2.434	1590.73	-13.90	102.13		
17-07-90	17:11:00	2.450	1590.73	-0.00	101.74		
17-07-90	17:12:00	2.467	1590.69	-0.04	101.57		
17-07-90	17:13:00	2.484	1590.64	-0.05	101.57		GRADIENT = .051
17-07-90	17:14:00	2.500	1590.61	-0.02	101.50		PULL OUT OF HOLE
17-07-90	17:18:00	2.567	1585.57	-5.04	99.06		7th STOP AT 2000'KB
17-07-90	17:48:00	3.067	1565.31	-20.26	91.26		
17-07-90	17:49:00	3.084	1565.26	-0.05	91.26	1448	CSG = 1412 PSIG
17-07-90	17:50:00	3.100	1565.16	-0.10	91.26		
17-07-90	17:51:00	3.117	1565.12	-0.05	91.25		
17-07-90	17:52:00	3.134	1565.08	-0.03	91.25		GRADIENT = .051
17-07-90	17:53:00	3.150	1565.06	-0.02	91.24		PULL OUT OF HOLE
17-07-90	17:56:00	3.200	1557.64	-7.42	88.49		8th STOP AT 1500'KB
17-07-90	17:57:00	3.217	1556.73	-0.91	87.34		

## EXPERTEST PTY. LTD.

CUSTOMER : A.G.L.P.

DATE: 17-07-90

HP GAUGE S/N: 819

LOCATION : W.M.#2A

TEST: STATIC GRADIENT

OPERATOR: T CHAPMAN

FORMATION: P1

PERFORATIONS: 4248-4329'KB

GAUGE DEPTH: GRAD'NT

COMMENTS : GRADIENT PULLING OUT THE HOLE

DATE	REAL TIME	DELTA T (HRS)	B.H.P. (PSIA)	DELTA P (PSI)	TEMP (°F)	SURFACE (PSIG)	REMARKS
17-07-90	17:58:00	3.234	1554.83	-1.90	86.56		
17-07-90	17:59:00	3.250	1552.74	-2.09	85.99		
17-07-90	18:00:00	3.267	1550.85	-1.89	85.66		
17-07-90	18:01:00	3.284	1549.20	-1.65	85.17		
17-07-90	18:02:00	3.300	1547.67	-1.53	85.04		
17-07-90	18:03:00	3.317	1546.35	-1.33	84.92		
17-07-90	18:04:00	3.334	1545.23	-1.12	84.75		
17-07-90	18:05:00	3.350	1544.32	-0.91	84.11		
17-07-90	18:06:00	3.367	1543.48	-0.84	84.04		
17-07-90	18:07:00	3.384	1542.78	-0.70	83.98		
17-07-90	18:08:00	3.400	1542.22	-0.56	83.68		
17-07-90	18:09:00	3.417	1541.74	-0.48	83.49		
17-07-90	18:10:00	3.434	1541.30	-0.44	83.41		
17-07-90	18:11:00	3.450	1540.94	-0.36	83.28		
17-07-90	18:12:00	3.467	1540.62	-0.31	83.13		
17-07-90	18:13:00	3.484	1540.35	-0.27	82.92		
17-07-90	18:14:00	3.500	1540.10	-0.25	82.90		
17-07-90	18:15:00	3.517	1539.91	-0.20	82.88		
17-07-90	18:16:00	3.534	1539.71	-0.20	82.87		
17-07-90	18:17:00	3.550	1539.57	-0.14	82.86		
17-07-90	18:18:00	3.567	1539.41	-0.15	82.85		
17-07-90	18:19:00	3.584	1539.31	-0.10	82.83		
17-07-90	18:20:00	3.600	1539.19	-0.13	82.82		
17-07-90	18:21:00	3.617	-694.16	-233.35	82.70		
17-07-90	18:22:00	3.634	1572.42	7266.58	483.15		
17-07-90	18:23:00	3.650	1539.04	-33.39	82.28		
17-07-90	18:24:00	3.667	1538.97	-0.06	82.19		
17-07-90	18:25:00	3.684	1538.91	-0.07	82.27		
17-07-90	18:26:00	3.700	1538.92	0.02	81.91		
17-07-90	18:27:00	3.717	1538.86	-0.06	82.07		GRADIENT = .053
17-07-90	18:28:00	3.734	1538.76	-0.11	82.06		PULL OUT OF HOLE
17-07-90	18:31:00	3.784	1523.21	-15.54	81.41		9th STOP AT 1000'KB
17-07-90	18:54:00	4.167	1513.73	-9.48	77.89		
17-07-90	18:55:00	4.184	1513.66	-0.06	77.88		
17-07-90	18:56:00	4.200	1513.60	-0.06	77.88		
17-07-90	18:57:00	4.217	1513.56	-0.05	77.87		
17-07-90	18:58:00	4.234	1513.53	-0.02	77.87		GRADIENT = .051
17-07-90	18:59:00	4.250	1513.47	-0.06	77.86		PULL OUT OF HOLE
17-07-90	19:03:00	4.317	1500.55	-12.92	76.77		10th STOP AT 500'KB
17-07-90	19:25:00	4.684	1488.26	-12.30	73.14		
17-07-90	19:26:00	4.700	1488.17	-0.09	73.13		
17-07-90	19:27:00	4.717	1488.12	-0.05	73.12		
17-07-90	19:28:00	4.734	1487.93	-0.18	73.11		
17-07-90	19:31:00	4.784	1487.81	-0.12	73.09		GRADIENT = .051
17-07-90	19:32:00	4.800	1487.79	-0.02	72.93		PULL OUT OF HOLE
17-07-90	19:37:00	4.884	1482.00	-5.78	70.80		11th STOP AT SURFAC
17-07-90	19:41:00	4.950	1489.99	7.99	66.84		
17-07-90	19:42:00	4.967	1488.25	-1.74	65.88	1449	CSG = 1413 PSIG
17-07-90	19:53:00	5.150	1471.21	-17.04	60.59		
17-07-90	19:54:00	5.167	1470.38	-0.83	60.52		



## EXPERTEST PTY. LTD.

CUSTOMER : A.G.L.P.

DATE: 17-07-90

HP GAUGE S/N: 819

LOCATION : W.M.#2A

TEST: STATIC GRADIENT

OPERATOR: T CHAPMAN

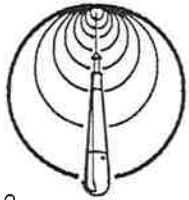
FORMATION: P1

PERFORATIONS: 4248-4329'KB

GAUGE DEPTH: GRAD'NT

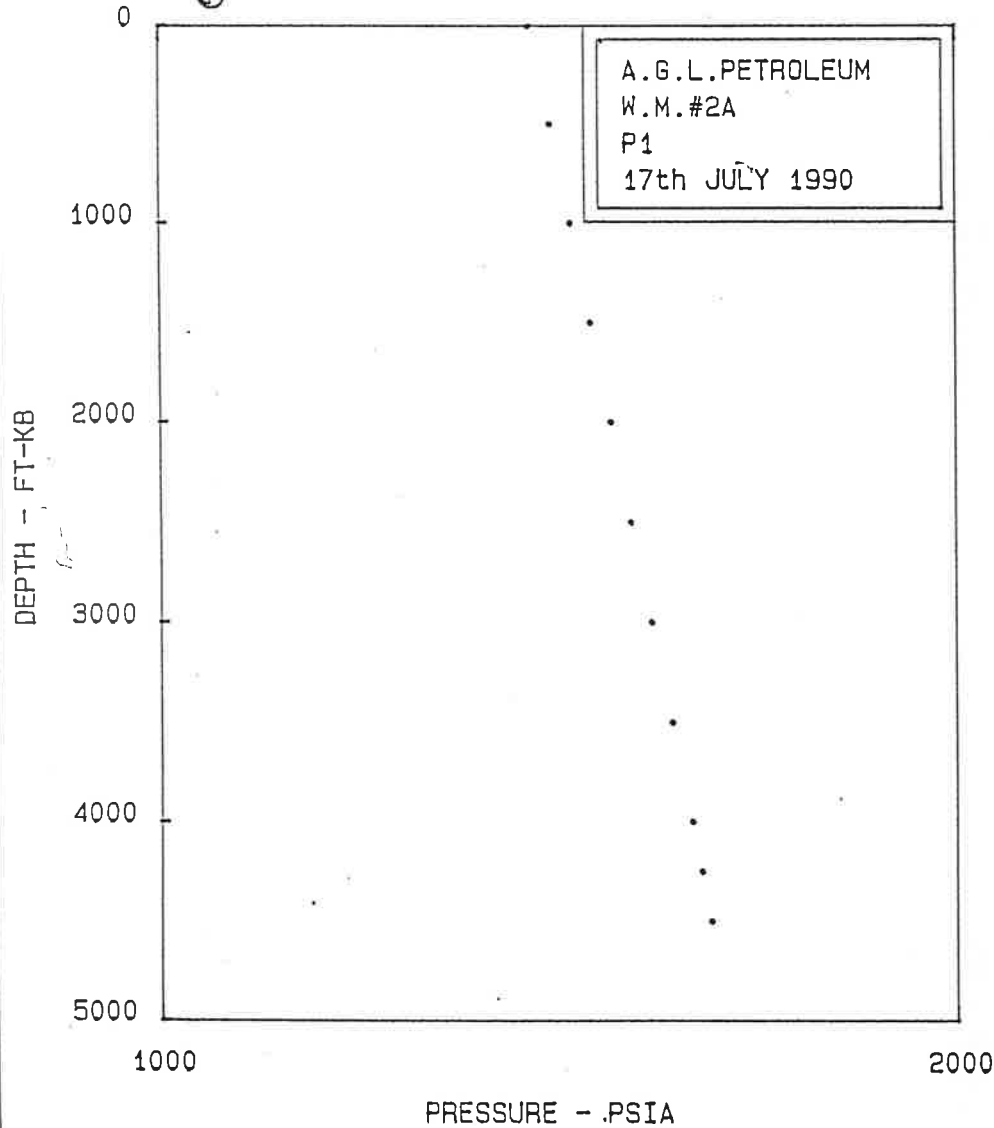
COMMENTS : GRADIENT PULLING OUT THE HOLE

DATE	REAL TIME	DELTA T (HRS)	B.H.P. (PSIA)	DELTA P (PSI)	TEMP (°F)	SURFACE (PSIG)	REMARKS
17-07-90	19:55:00	5.184	1469.72	-0.66	59.85		
17-07-90	19:56:00	5.200	1469.08	-0.64	59.59		
17-07-90	19:57:00	5.217	1468.55	-0.53	59.41		
17-07-90	19:58:00	5.234	1468.06	-0.49	59.19		
17-07-90	19:59:00	5.250	1467.65	-0.41	58.87		
17-07-90	20:00:00	5.267	1467.29	-0.35	58.71		
17-07-90	20:01:00	5.284	1467.04	-0.26	58.36		
17-07-90	20:02:00	5.300	1466.76	-0.27	58.33		
17-07-90	20:03:00	5.317	1466.51	-0.25	58.29		
17-07-90	20:04:00	5.334	1466.34	-0.17	58.02		
17-07-90	20:05:00	5.350	1466.20	-0.14	57.76		
17-07-90	20:11:00	5.450	1465.49	-0.71	56.78		
17-07-90	20:12:00	5.467	1465.42	-0.08	56.58	1450	CSG = 1413 PSIG
17-07-90	20:13:00	5.484	1465.31	-0.10	56.41		GRADIENT = .046
17-07-90	20:14:00	5.500	1465.17	-0.14	56.32		DEPRESSURE LUB.
17-07-90	20:15:00	5.517	1465.05	-0.13	56.15		END OF SURVEY



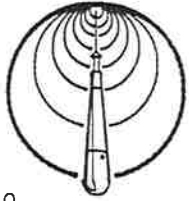
# EXPERTEST PTY LTD - ELECTRIC WIRELINE SERVICE

## STATIC GRADIENT SURVEY



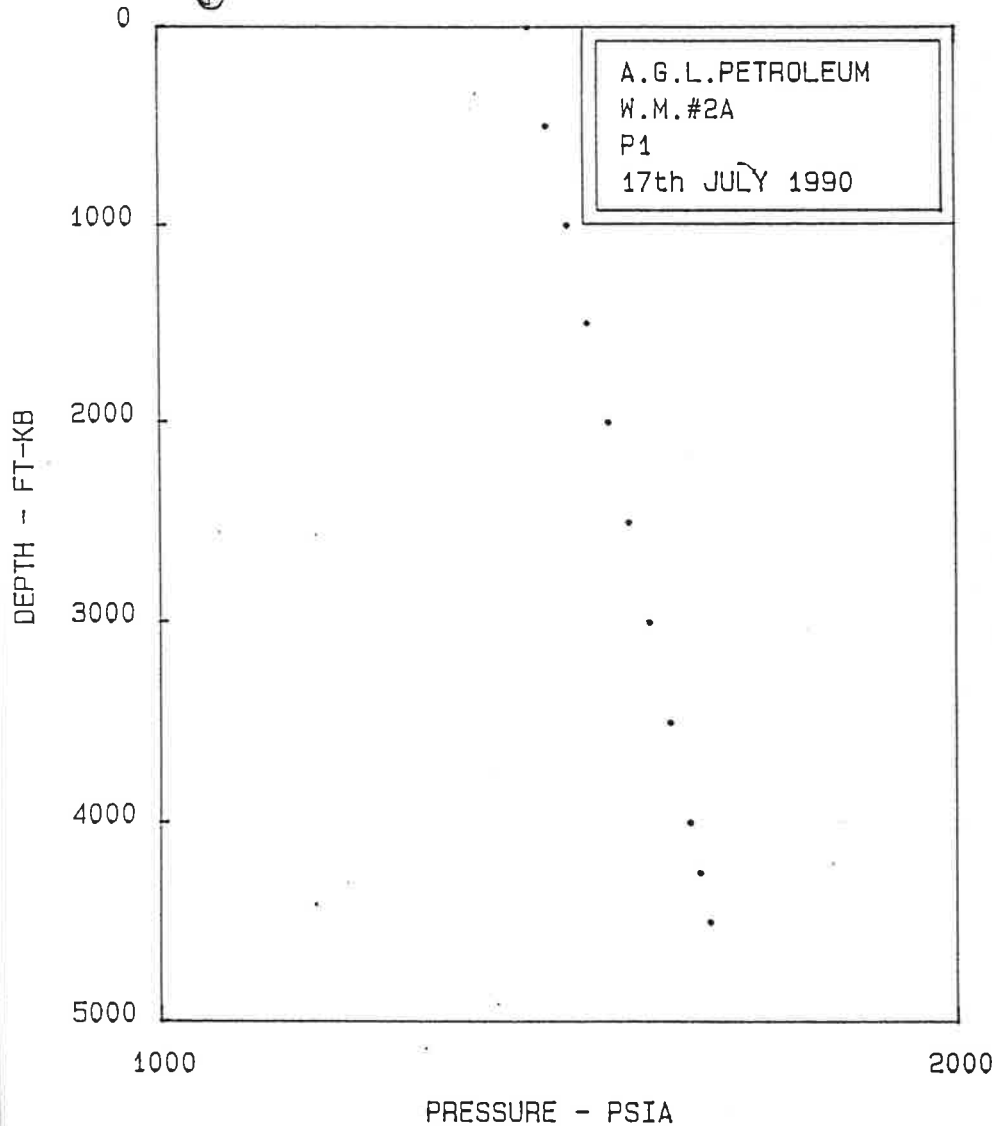
STOP	TIME	DEPTH ('KB)	PRESSURE (PSIA)	GRADIENT (PSI/FT)
1	945	LUB.	1465.39	----
2	1013	500	1492.17	0.0536
3	1046	1000	1517.18	0.0500
4	1119	1500	1542.12	0.0499
5	1148	2000	1567.55	0.0509
6	1220	2500	1592.63	0.0502
7	1252	3000	1617.72	0.0502
8	1323	3500	1642.92	0.0504
9	1354	4000	1667.41	0.0490
10	1418	4250	1679.57	0.0486
11	1443	4500	1691.53	0.0478

GRADIENT CONDUCTED RUNNING IN THE HOLE



# EXPERTEST PTY LTD - ELECTRIC WIRELINE SERVICE

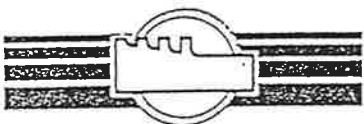
## STATIC GRADIENT SURVEY



STOP	TIME	DEPTH ('KB)	PRESSURE (PSIA)	GRADIENT (PSI/FT)
1	1443	4500	1691.53	----
2	1504	4250	1678.89	0.0506
3	1519	4000	1666.31	0.0503
4	1542	3500	1641.80	0.0490
5	1614	3000	1616.26	0.0511
6	1647	2500	1590.61	0.0513
7	1718	2000	1565.06	0.0511
8	1756	1500	1538.76	0.0526
9	1831	1000	1513.47	0.0506
10	1903	500	1487.79	0.0514
11	1937	LUB.	1465.05	0.0455

GRADIENT CONDUCTED PULLING OUT OF THE HOLE

SEQUENCE OF EVENTS



CUSTOMER : A.G.L. PETROLEUM	PERFORATIONS: 4248' - 4329'	PAGE: 1 OF 2
WELL NAME: W.M. #2A	FORMATION : P1	DATE: 16TH JULY 1990
TEST TYPE : SSD/ISOLATION TOOL - FOR STATIC GRADIENT SURVEY.		OPR : B. KIRKSEY

DATE/TIME	DESCRIPTION OF EVENTS
15/7/90	MOVE SEPARATOR AND W/L UNIT ONTO LOCATION, RIG IN SEPARATOR 124 AND MANIFOLD 83.
16/7/90	
0600	REDRESS SWAB VALVE, REPLACED PLUG, SEATS AND SEALS.
0830	RIG UP .092 LINE.
1015	R.I.H. WITH 1.75 GAUGE RING TO 4600' P.O.H. APPEAR TO HAVE CORKSCREWED TUBING FROM 3500' TO END OF TUBING, FINAL FLUID LEVEL 3800'.
1100	R.I.H. WITH 2" B SHIFTING TOOL, LOCATE SSD @ 4548'KB, JAR UP TO OPEN SSD SHIFTING TOOL PASSED THROUGH SSD INDICATING SSD OPEN. P.O.H. CHECK TOOL PIN WAS NOT SHEARED.
1200	PREPARE AND DRESS ISOLATION TOOL.
1300	R.I.H. AND SET 1.875 ISOLATION TOOL @ 4548'KB P.O.H.
1400	FLOW WELL THROUGH SEPARATOR, TUBING 1400psi, CASING 1400psi.
1425	WELL BEGAN MAKING FLUID, TUBING 1000psi, CASING 1360psi.
1500	WELL NOT MAKING ANY MORE FLUID SHUT IN, TUBING 1450psi, CASING 1450 psi. WELL MADE APPROX 1100 LITRES OIL.
1600	RIG DOWN .092 LINE AND BEGIN RIGGING UP 7/32 ELECTRIC LINE.
1800	SECURE WELL.  * REFER TO E-LINE REPORT FOR CONTINUATION OF REPORT.
17/7/90	PERFORM STATIC GRADIENT. RIG DOWN PRODUCTION SEPARATOR AND SURFACE TEST EQUIPMENT.

CUSTOMER : A.G.L. PETROLEUM

PERFORATIONS: 4248'-4329'KB

PAGE: 2 OF 2

WELL NAME: W.M. #2A

FORMATION : P1

DATE: 18TH JULY 1990

TEST TYPE : SSD/ISOLATION TOOL - FOR STATIC GRADIENT SURVEY

OPR : B. KIRKSEY

DATE/TIME	DESCRIPTION OF EVENTS
18/7/90	
0600	WRITE REPORTS FOR BRISBANE/STANDBY FOR INFORMATION ON EQUIPMENT MOVEMENTS.
0930	ARRIVE ON LOCATION AND RIG DOWN ELECTRIC LINE LUBRICATOR.
	RIG UP WIRE LINE LUBRICATOR.
1015	R.I.H. WITH 1.875 G.S. PULLING TOOL WITH ISOLATION TOOL XO EQUALIZING PRONG.
1040	STAB INTO ISOLATION TOOL - ALLOW PRESSURE TIME TO EQUALIZE.
	PRESSURE IN TUBING INCREASES BY 5 PSIG AND THEN STABILIZES.
1050	SIT DOWN ON ISOLATION TOOL AGAIN TO BE SURE THE EQUALIZING SUB IS OPEN.
1100	JAR ISOLATION TOOL OUT OF SSD - P.O.H.
1115	AT SURFACE.
	PREPARE TO RUN 2" B SHIFTING TOOL.
1120	PRESSURE UP THE LUBRICATOR - RUN IN HOLE WITH 2" B SHIFTING TOOL.
	LOCATE OPEN SSD @ 4548'KB.
1130	JAR DOWN TO CLOSE - P.O.H.
1140	AT SURFACE - CHECK TOOL, PIN WAS NOT SHEARED.
1230	RIG DOWN .092 WIRELINE UNIT AND ALL REMAINING EQUIPMENT.
1330	DEPART LOCATION.
	END OF SURVEY.