

Z 0 = ZERO OFFSET.
SENSITIVITY IS 1 FOR ALL 4 CHANNELS

GL04801

DRY LAKE VALLEY 10 DAY PUMP TEST

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Def

Check 1
CHECK CH 02

STATIC GP
43.87

STATIC GP
31.51

STATIC GP
31.00

Zero offset
-0.44

Shallow

Notes	Time	Channel	Z0 = +.23		Z0 = +.12		OK	Z0 = -.35		CH 03	Totalizer
			GP	Obs	GP	Obs		GP	Obs		
Totalizer = 59184000 gallons	1902:05	0	43.87	30.00	31.51	00	31.00	30.00	-0.44	59184000	
	1902:15		25.43	32.33	59.02		59.03	59.03	-0.44		
	1903:05	1	25.21	37.45	59.02	0	59.03	59.03	-0.44	235625	
	1903:15		27.90	32.62	59.01		59.03	59.03	-0.44		
	1904:05	2	28.26	30.22	58.79	03	59.03	59.03	-0.44	117812	
	1904:15		28.52	31.20	58.79	05	59.03	59.03	-0.44		
	1905	3	28.53	31.64	58.79	04	59.03	59.03	-0.44	76208	
	1906	4	28.03	32.33	58.77	07	59.03	59.03	-0.44	50106	
	1907	5	27.70	33.11	58.75	10	59.03	59.03	-0.44	45125	
	1908	6	27.42	33.70	58.71	11	59.03	59.03	-0.44	37824	
1909	7	27.23	34.01	58.67	10	59.03	59.03	-0.44	32232		
1910	8	27.10	34.49	58.62	25	59.03	59.03	-0.44	28203		
1911	9	26.97	34.79	58.60	27	59.03	59.03	-0.44	25008		
1912	10	26.84	34.92	58.54	36	59.03	59.03	-0.44	22567		
1913	11	26.70	35.11	58.59	40	59.03	59.03	-0.44	20511		
1914	12	26.57	35.71	58.65	45	59.03	59.03	-0.44	18802		
1915	13	26.43	35.97	58.64	53	59.03	59.03	-0.44	17355		
1916	14	26.30	36.33	58.63	60	59.03	59.03	-0.44	16116		
1917	15	26.22	36.27	58.64	65	59.03	59.03	-0.44	15041		
1918	16	26.17	36.64	58.65	69	59.03	59.03	-0.44	14102		
1919	17	26.12	36.60	58.66	77	59.03	59.03	-0.44	13072		
1920	18	26.07	36.63	58.67	84	59.03	59.03	-0.44	12732		
1921	19	26.02	37.19	58.28	89	59.03	59.03	-0.44	12105		
1922	20	25.97	37.40	58.4	95	59.03	59.03	-0.44	11891		
1923	21	25.92	37.32	58.4	100	59.03	59.03	-0.44	11000		
1924	22	25.87	37.56	58.12	107	59.03	59.03	-0.44	10350		
1925	23	25.86	37.83	58.08	113	59.03	59.03	-0.44	9810		
1926	24	25.92	37.60	58.03	119	59.03	59.03	-0.44	9301		
1927	25	25.53	38.12	58.53	140	59.03	59.03	-0.44	8853		

Shallow

Deep

Notes	Time/Date	Time/Date	Ch.00	OK (1.0)	Ch.01	OK (1.0)	Ch.02	(1.0)		
Slate	19:07:05	4/10/80	0	42.04	59.02	00	57.53	00	-3.67	
	19:35		35	25.29	58.59	1.45	57.25	02	-3.64	6857
	19:40		38	25.15	34.02	1.87	57.52	06	-3.63	5938
	19:45		43	25.12	32.09	2.04	57.50	09	-3.63	5247
	19:50		48	24.93	39.53	2.26	57.47	13	-3.63	1701
*	19:55		53	24.29	41.01	2.44	57.44	16	-3.63	4257
	20:00		58	24.77	39.91	2.58	57.40	22	-3.62	3890
	20:20		88	24.10	40.67	3.30	57.18	47	-3.62	2564
	20:59		118	24.19	41.26	3.71	56.97	73	-3.61	1912
	21:24		148	24.13	41.41	4.07	56.67	110	-3.59	1524
	21:59		177	23.81	42.17	4.31	56.53	121	-3.58	1275
	22:29		207	23.99	41.76	4.52	56.43	140	-3.57	1090
	22:59		237	23.81	42.20	4.68	56.33	158	-3.56	952
	23:29		267	23.67	42.52	4.83	56.23	173	-3.55	
	23:59		297	23.22	42.23	4.95	56.07	188	-3.53	760
*	0:03	4/11/80	301	23.07	42.52	4.93	56.05	206	-3.55	
	1:00		358	23.69	42.50	4.96	55.87	208	-3.53	630
	2:00		418	23.57	42.79	5.26	55.72	227	-3.52	
	3:00		478	23.24	43.50	5.39	55.50	241	-3.52	472
	4:00		538	23.12	43.16	5.51	55.40	256	-3.50	
	5:00		598	23.43	43.19	5.62	55.20	271	-3.46	377
	6:00		658	23.30	43.37	5.70	55.31	284	-3.44	
	7:00		718	23.47	43.44	5.80	55.22	296	-3.42	314
	8:00		778	23.51	43.07	5.90	55.15	307	-3.40	
	9:00		838	23.51	43.07	5.99	55.07	317	-3.39	269
*	10:00		898	23.63	42.79	6.02	55.00	324	-3.40	
	11:00		958	23.41	43.28	6.07	54.95	328	-3.42	286
	12:00		1018	23.53	43.00	6.08	54.91	332	-3.42	
	13:00		1078	23.55	42.73	6.09	54.88	335	-3.43	209
	14:00		1138	23.42	43.03	6.12	54.84	338	-3.44	

11/11/80

6857
5938
5247
1701
4257
3890
2564
1912
1524
1275
1090
952
760
630
472
377
314
269
286
209

Comp 3.53 *Checked 5/7/80*
CHECK CH 02

Vibe	Time/Date	Time since pump in operation (min)	1/1 psi		2/1 psi		3/1 psi		4/1 psi		ft	ft
			(psi)	(psi)	(psi)	(psi)	(psi)	(psi)				
Sonic	10:00 11/10/80	0	42.04	0	59.02	0	57.53	2	-3.67			
	15:00 11/11/80	1193	23.54	42.04	53.92	6.15 ✓	54.82	3.39	-3.45		188	
	15:50	1253	23.51	43.01	53.92	6.15	54.75	3.42	-3.45			171
	17:00	1318	23.48	43.11	53.87	6.23	54.75	3.50	-3.43			
	18:00	1378	23.50	43.22	53.81	6.25	54.71	3.53	-3.44			
	19:00	1438	23.46	43.16	53.83	6.29	54.68	3.59	-3.42		157	
	20:00	1498	23.39	43.35	53.79	6.35	54.65	3.65	-3.40			149
	21:00	1558	23.30	43.58	53.79	6.38	54.62	3.63	-3.38			149
	22:00	1618	23.24	43.63	53.77	6.42	54.62	3.73	-3.36			134
	23:00	1678	23.34	43.51	53.75	6.45 ✓	54.61	3.74	-3.36			134
	0:00 11/12/80	1738	23.24	43.67	53.75	6.45	54.61	3.74	-3.36			125
	1:00	1798	23.28	43.63	53.75	6.44	54.60	3.74	-3.37			125
	2:00	1858	23.20	43.81	53.74	6.44	54.61	3.71	-3.38			118
	3:00	1918	23.28	43.88	53.72	6.46	54.61	3.74	-3.38			118
	4:00	1978	23.11	43.01	53.71	6.46	54.61	3.75	-3.39			111
	5:00	2038	23.17	43.88	53.69	6.49 ✓	54.57	3.76	-3.38			103
	6:00	2098	23.15	43.94	53.68	6.52	54.54	3.81	-3.37			102
	7:00	2218	23.28	43.64	53.62	6.59	54.57	3.78	-3.37			91.8
	8:00	2333	23.37	43.12	53.58	6.62	54.40	3.86	-3.38			91.8
	9:00	2458	23.32	43.71	53.52	6.64	54.36	3.95	-3.43			87.5
	10:00	2578	23.47	43.58	53.55	6.55	54.37	3.89	-3.47			87.5
	11:00	2698	23.51	43.97	53.54	6.54	54.35	3.89	-3.49			80.1
	12:00	2818	23.57	43.63	53.53	6.55	54.32	3.92	-3.49			80.1
	13:00	2938	23.76	43.59	53.52	6.61	54.31	3.98	-3.45			73.8
	14:00	3058	23.34	43.44	53.49	6.68 ✓	54.30	4.03	-3.42			73.8
	15:00 11/13/80	3178	23.24	43.70	53.49	6.72	54.31	4.06	-3.58			68.4
	16:00	3298	23.34	43.72	53.50	6.71	54.34	4.03	-3.38			68.4
	17:00	3418	23.27	43.66	53.51	6.71	54.36	4.01	-3.57			63.8
	18:00	3538	23.17	43.90	53.50	6.73	54.34	4.05	-3.36			63.8
	19:00	3658	23.24	43.85	53.46	6.79 ✓	54.29	4.12	-3.35			63.8

static SP → P.W. → 43.87
offset → 1.23

static SP → S.W. → 21.71
offset → 24.12

Name	Time	Flow	Temp	W	W	W	W	W	W
Static	12:00	1162	12.04	0	53.2	0	53.2	0	-3.67
	22:00 4/12/80	3078	13.21	0	53.19	0	53.30	0	-3.42
	01:00 4/13/80	3172	23.29	43.60	53.49	6.68	53.49	4.06	-3.32
	2:00	3220	23.24	43.72	53.50	6.71	53.50	4.03	-3.38
	4:00	3410	23.22	43.66	53.57	6.71	53.57	4.01	-3.37
	6:00	3538	23.17	43.90	53.50	6.74	54.34	4.05	-3.36
	8:00	3622	23.24	43.75	53.46	6.74	54.29	4.12	-3.35
	12:00	3772	23.57	42.96	53.41	6.82	54.22	4.16	-3.38
	12:00	3897	23.47	43.13	53.40	6.77	54.20	4.13	-3.43
	14:00	4018	23.94	41.98	53.38	6.72	54.20	4.06	-3.49
	16:00	4132	23.60	42.71	53.38	6.67	54.20	4.01	-3.53
	18:00	4257	23.01	44.05	53.34	6.70	54.18	4.01	-3.55
	20:00	4372	23.01	44.08	53.29	6.78	54.15	4.07	-3.53
	22:00	4492	22.97	44.17	53.25	6.83	54.11	4.12	-3.53
	01:00 4/14/80	4418	22.92	44.27	53.22	6.85	54.09	4.13	-3.54
B = 246600 gal / 4978 mm = 495.3 gpm	02:00	4732	22.93	44.23	53.23	6.82	54.10	4.09	-3.56
	04:00	4852	22.92	44.10	53.23	6.81	54.11	4.07	-3.57
	06:00	4972	22.81	44.50	53.23	6.82	54.11	4.08	-3.56
	08:00	5092	22.99	44.08	53.18	6.86	54.06	4.13	-3.57
	10:00	5212	23.20	43.52	53.12	6.92	53.97	4.21	-3.58
	12:00	5332	23.12	43.72	53.11	6.89	53.97	4.18	-3.62
	14:00	5452	23.17	43.57	53.13	6.83	53.92	4.13	-3.65
	16:00	5572	23.23	43.39	53.14	6.78	54.00	4.07	-3.68
	18:00	5692	23.22	43.28	53.17	6.78	54.02	4.05	-3.62
	20:00	5812	23.26	43.37	53.15	6.82	54.03	4.08	-3.64
4/15/80	22:00	5932	22.92	44.18	53.11	6.89	54.02	4.12	-3.62
	01:00	6052	22.96	44.09	53.09	6.91	54.00	4.14	-3.62
	02:00	6172	22.99	44.04	53.10	6.92	54.02	4.14	-3.60
	04:00	6292	23.07	43.87	53.13	6.90	54.06	4.11	-3.59
	06:00	6412	23.06	43.93	53.12	6.94	54.07	4.13	-3.56
	08:00	6532	23.02	44.05	53.10	7.00	54.03	4.21	-3.53

P.W.
offset = +.23
static = 43.87
gp

shallow o.w.
offset = +.12
static = 31.51
gp

deep o.w.
offset = -.35
static = 31.00
gp

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CHECK ALL
3 CHANNELS
offset = +.44

RECORDED BY	time/date	time since pumping began	psi		psi		psi		psi	
			Ch 00	(S')	Ch 01	(S')	Ch 02	(S')	Ch 03	(S')
	0:00 4/15/80	0								
	10:00 4/15/80	6658	23.29	43.44	53.07	7.05	53.97	4.29	-3.52	
	12:00	6778	23.36	43.24	53.06	7.02	53.96	4.27	-3.55	
	14:00	6898	23.20	43.58	53.06	6.99	53.96	4.23	-3.58	
	16:00	7018	23.51	42.86	53.11	6.93	54.01	4.18	-3.58	
	18:00	7138	23.30	43.35	53.11	6.93	54.04	4.14	-3.58	
	20:00	7258	23.32	43.35	53.10	6.99	54.06	4.16	-3.54	
	22:00	7378	23.45	43.11	53.12	7.02	54.06	4.22	-3.49	
	0:00 4/16/80	7498	23.25	43.58	53.10	7.06	54.05	4.24	-3.48	
	02:00	7618	23.19	43.73	53.10	7.07	54.06	4.24	-3.47	
	04:00	7738	23.10	43.75	53.09	7.09	54.08	4.23	-3.46	
	06:00	7858	23.18	43.80	53.11	7.11	54.10	4.24	-3.43	
	08:00	7978	23.30	43.53	53.07	7.16	54.06	4.30	-3.42	
	10:00	8098	23.44	43.22	53.07	7.17	54.01	4.37	-3.41	
	12:00	8218	23.49	43.07	53.03	7.19	53.99	4.36	-3.44	
	14:00	8338	23.54	42.91	53.04	7.13	53.96	4.35	-3.48	
	16:00	8458	23.36	43.30	53.03	7.12	54.00	4.28	-3.50	
	18:00	8578	23.33	43.38	53.05	7.09	54.03	4.24	-3.50	
	20:00	8698	23.03	44.11	53.06	7.13	54.06	4.26	-3.46	
	22:00	8818	23.19	43.76	53.03	7.19	54.04	4.30	-3.44	
FRIDAY	0:00 4/17/80	8938	23.11	43.97	53.00	7.24	54.03	4.34	-3.42	
	02:00	9058	23.01	44.19	52.98	7.26	54.01	4.35	-3.43	
	04:00	9178	23.06	44.06	52.99	7.24	54.02	4.33	-3.44	
	06:00	9298	22.96	44.32	52.99	7.26	54.04	4.33	-3.42	
	08:00	9418	23.20	43.76	52.99	7.26	54.02	4.35	-3.42	
	10:00	9538	23.35	43.39	52.96	7.28	53.96	4.41	-3.43	
	12:00	9658	23.30	43.46	52.93	7.25	53.93	4.38	-3.49	
	14:00	9778	23.00	43.52	52.88	7.27	53.90	4.37	-3.52	
	16:00	9898	23.07	43.71	52.86	7.25	53.89	4.35	-3.55	
	18:00	10018	23.09	43.85	52.88	7.22	53.91	4.31	-3.56	

↑
MIKE GEMMEL
↓

DRY LAKE VALLEY - Nevada.

PUMPING WELL
 STATIC g.p. = 43.87
 OFFSET = 0.23

SHALLOW OBSERVATION WELL
 STATIC g.p. = 31.51
 OFFSET = 0.12

DEEP OBSERVATION WELL
 STATIC g.p. = 31.00
 OFFSET = -0.35

page 6 of 13 CHECK ALL CHANNELS
 BAROMETER
 OFFSET = 0.44

CALCULATED BY JFM

Time / Date	Time Since Pumping Began	Ch 00 (gpsi)	S (ft)	Ch 01 (gpsi)	S (ft)	Ch 02 (gpsi)	S (ft)	Ch 03 (gpsi)
2000 4/17/20	10130	23.05	43.97	52.89	7.22	53.96	4.28	3.54
2200	10250	23.03	44.02	52.88	7.24	53.96	4.28	3.54
0000 4/18/20	1030	22.99	44.10	52.86	7.25	53.94	4.29	3.55
200	10400	22.62	44.99	52.92	7.22	53.93	4.34	3.52
400	10600	22.62	45.00	52.83	7.28	53.92	4.36	3.51
600	10730	22.72	44.80	52.88	7.31	53.94	4.37	3.48
800	10850	22.84	44.51	52.87	7.31	53.92	4.38	3.49
1000	10970	22.83	44.51	52.80	7.37	53.86	4.43	3.51
1200	11090	23.01	44.01	52.71	7.38	53.81	4.39	3.59
1400	11210	23.04	43.90	52.68	7.38	53.78	4.39	3.62
1600	11330	23.18	43.56	52.72	7.31	53.79	4.36	3.64
1800	11450	23.05	43.86	52.73	7.30	53.83	4.31	3.64
2000	11570	22.83	44.39	52.76	7.29	53.89	4.27	3.62
2200	11690	22.80	44.47	52.73	7.34	53.86	4.27	3.61
0000 4/19/20	11810	22.68	44.74	52.69	7.38	53.88	4.29	3.61
200	1190	22.66	44.97	52.66	7.41	53.85	4.31	3.62
400	1200	22.34	45.52	52.63	7.44	53.85	4.31	3.62
600	12100	22.43	45.33	52.63	7.46	53.85	4.34	3.60
800	12200	22.68	44.77	52.61	7.50	53.83	4.37	3.59
1000	12400	22.27	45.69	52.54	7.56	53.77	4.42	3.61
1200	12530	22.64	44.80	52.53	7.53	53.74	4.42	3.64
1400	12650	22.78	44.43	52.52	7.50	53.70	4.42	3.68
1600	12700	22.96	43.98	52.53	7.45	53.69	4.39	3.71
1800	12800	23.00	43.88	52.56	7.41	53.72	4.35	3.72
2000	13010	22.80	44.39	52.58	7.43	53.79	4.31	3.68
2200	13130	22.73	44.55	52.59	7.42	53.81	4.29	3.68
0000 4/20/20	13200	22.62	44.79	52.56	7.44	53.80	4.29	3.69
200	13370	22.62	44.77	52.54	7.44	53.77	4.30	3.71
400	13400	22.61	44.77	52.51	7.45	53.76	4.29	3.73
600	13610	22.61	44.77	52.50	7.46	53.76	4.29	3.73

W pump FOR 14400 gpm

LAKE VALLEY, NEVADA
TEST W/ ELECTROPIEZO RECORDER.

Static Gauge Press. 43.87
Zero offset 0.23

31.51
0.12

31.00
-0.35

Barometric Pressure
0.44

Checked by	Recorded by	Calculated by	TIME / DATE	TIME SINCE START	Ch00 (gpsi)	S' (ft)	Ch01 (gpsi)	S' (ft)	Ch02 (gpsi)	S' (ft)	Ch03 (gpsi)			
	K.E.R.	KE.R	190131 4/20/80	14400.52	2301	4362 ✓	5241	735 ✓	5363	422 ✓	- 392			
			190134	.57	2307	4349	5240	736	5363	422	- 392			
			190138	.63	2308	4346	5238	738	5363	422	- 392			
			190142	.70	2302	4359	5239	736 ✓	5363	421 ✓	- 393			
			190146	.77	2305	4353	5238	738 ✓	5363	422 ✓	- 392			
			190150	.83	2307	4347 ✓	5239	736	5363	421	- 393			
			190153	.88	2672	3505 ✓	5239	736	5363	421	- 393			
			190157	14579.95	3359	1921 ✓	5239	737	5363	422	- 392			
			190201	14400.02	3782	946 ✓	5239	737	5363	422	- 392			
			190205	.08	3999	445 ✓	5238	738	5364	421	- 392			
			190209	.15	4107	194 ✓	5239	735	5364	418	- 394			
			190212	.20	4190	003	5239	736	5363	421	- 393			
			190216	.27	4256	- 149 ✓	5238	737	5363	421	- 393			
			190220	.33	4311	- 276	5240	735 ✓	5364	419 (AP)	- 393			
			190224	.40	4322	- 302	5239	735 ✓	5364	418 (1.4)	- 394			
			190228	.47	4325	- 306 ✓	5238	738	5363	422 ✓	- 392			
			190232	.53	4346	- 356	5238	737	5364	419	- 393			
			190236	.60	4368	- 408 ✓	5238	736 ✓	5364	419 (1.1)	- 394			
			190240	.67	4372	- 416	5239	736	5364	419	- 393			
			190244	.73	4369	- 409	5240	735	5364	419	- 393			
			190249	.82	4330	- 435	5239	736	5364	419	- 393			
			190253	.88	4333	- 442	5240	734 ✓	5364	418 (1.1)	- 394			
			190257	.95	4377	- 427 ✓	5240	736	5363	422	- 392			
			190301	14401.02	4373	- 419	5239	736	5364	419	- 393			
			190306	.10	4369	- 409	5240	735	5364	419	- 393			
			190310	.17	4370	- 412 ✓	5238	737	5363	422	- 393			
			190314	.23	4360	- 389	5240	735 ✓	5364	419 (1.2)	- 393			
			190319	.32	4364	- 399	5240	734	5363	420	- 394			
			190323	.38	4365	- 401	5240	734	5363	420	- 394			
			190327	.45	4359	- 388 ✓	5240	734 ✓	5363	420 ✓	- 394			

RY LAKE VALLEY, NEVADA
TEST W/ ELECTROPIEZO RECORDER

Static Gauge Pressure 43.87
zero offset 0.23

31.51
0.12

31.00
-0.35

Barometric Pressure
0.44

Checked by	Recorded by	Calculated by	TIME / DATE HR:MIN:SEC	TIME SINCE PUMPING BEGAN MINUTES	Ch00 (Psi)	S (ft)	Ch01 (Psi)	S (ft)	Ch02 (Psi)	S (ft)	Ch03 (Psi)	t/2
	KER.	KER.	1903314/20/30	14401.52	4357	- 382	5240	734	5363	422	393	
			190336	.60	4346	- 356 ✓	5239	736	5363	422	393	
			190340	.67	4335	- 331	5241	734 ✓	5363	422 (A.2)	393	
			190344	.73	4331	- 322	5240	734	5363	422	393	
			190349	.82	4325	- 308 ✓	5240	734	5363	422	393	
			190353	.88	4319	- 295	5241	732	5363	420	394	
			190357	.95	4307	- 268	5242	731 ✓	5363	420 ✓	394	
			190401	14402.02	4301	- 253 ✓	5241	734 ✓	5363	422 (A.2)	393	
			190406	.10	4294	- 236	5239	736 ✓	5363	422	393	
			190410	.17	4285	- 216 ✓	5241	734	5363	422	393	
			190414	.23	4279	- 203 ✓	5240	734 ✓	5363	420 ✓	394	
			190419	.32	4272	- 188	5241	731 ✓	5363	418 (A.1)	395	
			190423	.38	4261	- 161 ✓	5240	734	5363	420	394	
			190427	.45	4251	- 137	5242	732	5363	422	393	
			190432	.53	4245	- 123 ✓	5241	734	5363	422	393	
			190436	.60	4236	- 103	5242	732	5363	422	393	
			190440	.67	4227	- 083	5241	732	5363	420	394	
			190445	.75	4216	- 058 ✓	5242	731	5363	420	394	
			190449	.82	4210	- 044	5241	732	5363	420	394	
			190453	.88	4201	- 023 ✓	5241	732	5363	420	394	
			190457	.95	4192	- 003	5241	731 ✓	5363	418 (A.1)	395	
			1906	14404	4062	299 ✓	5245	729 ✓	5362	422 ✓	393	
			1907	14405	3945	568	5250	722	5363	420	394	
			1908	14406	3902	668 ✓	5254	719 ✓	5361	423 ✓	393	
			1909	14407	3902	668	5260	712 ✓	5361	423	393	
			1910	14408	3906	654	5264	707	5361	423	393	
			1911	14409	3911	647 ✓	5271	699 ✓	5361	423	393	
			1912	14410	3916	637	5276	694	5360	426 ✓	392	441
			1913	14411	3921	624	5282	686	5360	424	393	310
			1914	14412	3925	616 ✓	5288	681 ✓	5360	426	392	

DRY LAKE VALLEY, NEVADA
TEST W/ ELECTRO/PIEZO RECORDER

Static Gauge Pressure 43.87
Zero offset 0.23

31.51
0.12

31.00
-0.35

Barometric Pressure 0.44

Checked by	Recorded by / Calculated by	TIME / DATE	TIME SINCE PUMPING BEGAN MIN.	Ch00 (7 psi)	S (+)	Ch01 (7 psi)	S (-)	Ch02 (7 psi)	S (+)	Ch03 (7 psi)		
	K.E.R. / K.E.R.	1915 / 4/20/80	14413	3929	607	5293	675 ✓	5360	426	-392		
		1916	14414	3934	594	5298	668	5360	424	-393		
		1917	14415	3938	586 ✓	5304	662	5360	426	-392		
		1918	14416	3941	579	5311	654 ✓	5360	426	-392		
		1919	14417	3945	569 ✓	5315	648	5360	424 ✓	-393		
		1920	14418	3948	562	5319	644	5360	424	-393		
		1921	14419	3952	553	5325	637	5360	424	-393		
		1922	14420	3955	547 ✓	5331	631 ✓	5360	426	-392		
		1923	14421	3957	542	5336	625	5360	426 ✓	-392		
		1924	14422	3960	535 ✓	5341	619	5360	426	-392		
		1925	14423	3963	528	5346	614 ✓	5361	424	-392		
		1926	14424	3966	520	5350	608	5361	423 ✓	-393		
		1927	14425	3968	516	5356	601 ✓	5361	423	-393		
		1928	14426	3971	510 ✓	5360	598	5362	423	-392		
		1929	14427	3973	504	5364	592 ✓	5362	422 ✓	-393		
		1930	14428	3975	499	5369	586	5362	422	-393		
		1931	14429	3978	494 ✓	5371	585	5363	422	-392		
		1932	14430	3980	489	5376	579 ✓	5363	422	-392		4.11
		1937	14435	3990	465	5396	555	5366	418 ✓	-393		
		1940	14440	3993	448 ✓	5413	536 ✓	5369	415	-392		
		1947	14445	4006	436	5430	518	5382	413 ✓	-391		
		1952	14450	4013	413	5444	501	5385	403	-392		289
		1957	14455	4019	399	5459	483	5388	404	-392		
		2002	14460	4025	386	5470	472	5383	400	-391		
		2034	14472	4053	321	5528	404 ✓	5408	371 (371)	-392		158
		2104	14522	4071	280	5564	363	5422	374 ✓	-391		119
		2134	14532	4084	250	5583	336	5453	330	-391		195
		2204	14592	4094	226	5610	309	5482	290	-392		81
		2234	14612	4102	209 ✓	5626	292 ✓	5489	283 ✓	-391		
				4109	194	5640	277	5504	262 ✓	-390		

RY LAKE VALLEY, NEVADA
TEST W/ ELECTRO/PIEZO RECORDER

Static Gauge Pressure 43.87
zero offset 0.23

31.51
0.12

31.00
-0.35

Barometric Pressure
0.44

Checked by	Recorded by	Calculated by	TIME HR:MIN	DATE	TIME SINCE PUMP START	Ch00 (7 PSI)	S (ft)	Ch01 (7 PSI)	S (ft)	Ch02 (7 PSI)	S (ft)	Ch03 (7 PSI)	
	K.E.R.	K.E.R.	2334	4/20/80	14672	4115	1.79	5651	2.63 ✓	5517	2.46	- 391	
			004	4/21/80	14702	4120	1.66	5660	2.51	5523	2.32	- 392	4.1
			100		14753	4126	1.51	5673	2.35 ✓	5545	2.11 ✓	- 393	4.1
			200		14818	4133	1.33	5686	2.19	5561	1.91	- 394	
			300		14878	4139	1.21 ✓	5695	2.08	5574	1.75	- 395	
			400		14938	4142	1.12	5702	2.00 ✓	5585	1.63 ✓	- 395	
			500		14998	4147	1.03	5710	1.93	5596	1.52	- 393	
			600		15058	4150	0.97 ✓	5717	1.86	5606	1.42	- 392	
			700		15118	4153	0.91	5722	1.81 ✓	5613	1.35 ✓	- 391	
			800		15178	4155	0.85	5726	1.75	5619	1.27	- 392	
			900		15238	4158	0.80	5732	1.70 ✓	5625	1.21 ✓	- 391	
			1000		15298	4160	0.76	5736	1.66	5631	1.15	- 390	
			1100		15358	4161	0.70 ✓	5738	1.60	5635	1.07	- 393	
			1200		15418	4162	0.67 ✓	5739	1.58 ✓	5638	1.03 ✓	- 394	15.1
			1300		15478	4163	0.62	5741	1.53	5640	0.98	- 396	
			1400		15538	4164	0.60	5741	1.53 ✓	5643	0.95 ✓	- 396	
			1500		15598	4165	0.57	5745	1.48 ✓	5646	0.90	- 397	
			1600		15658	4167	0.53 ✓	5747	1.46	5649	0.88 ✓	- 396	
			1700		15718	4168	0.50	5749	1.43	5652	0.83	- 397	
			1800		15778	4169	0.48	5752	1.40 (F.A.)	5655	0.81	- 396	
			1900		15838	4170	0.46 ✓	5753	1.40	5658	0.77 ✓	- 396	
			2000		15898	4172	0.43	5755	1.38 ✓	5662	0.74	- 395	
			2100		15958	4174	0.39	5760	1.33	5665	0.70	- 395	
			2200		16018	4176	0.35	5762	1.31	5669	0.67	- 394	
			2300		16078	4177	0.31 ✓	5765	1.27 ✓	5673	0.61 ✓	- 395	
			000	4/22/80	16138	4178	0.31	5767	1.27	5676	0.60	- 393	15.2
			100		16198	4179	0.30	5768	1.27	5678	0.59	- 392	
			300		16318	4179	0.25	5769	1.21 ✓	5679	0.53 ✓	- 396	
			500		16438	4181	0.25 ✓	5773	1.21	5684	0.52	- 392	
			700		16558	4183	0.29 ✓	5778	1.23	5690	0.53	- 395	

DRY LAKE VALLEY, NEVADA
 TEST W/ ELECTROPIEZO RECORDER

Static Gauge Pressure 43.87
 zero offset 0.23

31.51
0.12

31.00
-0.35

Barometric Pressure
0.44

Checked by	Recorded by	Calculated by	TIME (H:MM)	DATE	LINK #	CH00 (PSI)	S (ft)	CH01 (PSI)	S (ft)	CH02 (PSI)	S (ft)	CH03 (PSI)
	K.E.R.	K.E.R.	9:00	4/22/80	16678	4185	0.26	5780	123 ✓	5693	0.52	-383
			11:00	4/22/80	16798	-10005	—	5777	125	5693	0.50	-385
			11:13		16311	4184	0.26	5777	125 ✓	5693	0.50 ✓	-385
			13:00		16918	4184	0.23	5776	122 ✓	5692	0.47	-388
			15:00		17038	4184	0.22 ✓	5775	122	5692	0.45	-389
			17:00		17158	4184	0.22	5777	120	5692	0.44	384
			19:00		17278	4185	0.21	5778	120	5692	0.43	388
			21:00		17398	4187	0.18 ✓	5731	119	5699	0.42	386
			23:00		17518	4188	0.14	5782	115 ✓	5701	0.37 ✓	389
			1:00	4/23/80	17638	4190	0.07	5786	110 ✓	5705	0.32 ✓	388
			3:00		17758	4191	0.09 ✓	5737	112	5703	0.31	386
			5:00		17878	4192	0.07	5739	112	5710	0.31	384
			7:00		17998	4193	0.10 ✓	5791	113 ✓	5712	0.32 ✓	381
			9:00		18118	4193	0.14	5791	115	5713	0.35	379
			11:00		18238	4193	0.15	5788	121 ✓	5713	0.36 ✓	377
			13:00		18358	4193	0.15	5789	120	5713	0.36	377
			15:00		18478	4193	0.14 ✓	5788	120 ✓	5714	0.33	378
			17:00		18598	4194	0.13	5789	122	5715	0.36	375
			19:00		18718	4194	0.12	5790	120	5715	0.35	376
			21:00		18838	4196	0.12	5792	120	5718	0.33	374
			23:00		18958	4195	0.12 ✓	5791	119 ✓	5718	0.31 ✓	376
			1:00	4/24/80	19078	4197	0.07 ✓	5794	115	5720	0.29	376
			3:00		19198	4197	0.07	5794	115	5721	0.28 ✓	376
			5:00		19318	4198	0.05	5795	114 ✓	5723	0.25 ✓	376
			7:00		19438	4198	0.06	5796	114	5724	0.25	375
			9:00		19558	4198	0.05 ✓	5797	116	5722	0.28	375
			11:00		19678	4197	0.05 ✓	5792	115 ✓	5720	0.27 ✓	373
			13:00		19798	4196	0.01 ✓	5789	113	5719	0.22	383
			15:00		19918	4197	0.03	5789	108 ✓	5718	0.17 ✓	382
			17:00		20038	4196	0.06	5787	111 ✓	5716	0.21 ✓	387

DRY LAKE VALLEY, NEVADA

WIND SPEED RECORD

Static Gauge Pressure 43.87
zero offset 0.23

31.51
0.12


31.00
-0.35

Barometric Pressure
0.44

Checked by	Recorded by	Calculated by	TIME DATE	WIND SPEED	Ch00 (psi)	S (ft)	Ch01 (psi)	S (ft)	Ch02 (psi)	S (ft)	Ch03 (psi)	S (ft)
	K.E.R.	K.E.R.	2100 4/21/80	20278	4198	0.01	5792	1.14 ✓	5721	0.24 ✓	377	
			100 4/25/80	20518	4201	0.04	5796	1.11	5723	0.17	378	
			500	20758	4202	0.05 ✓	5799	1.11	5724	0.16 ✓	376	
			9133	21011.57	---	---	5797	1.13 ✓	5726	0.23 ✓	375	
			1300	21238	---	---	5804	0.99	5727	0.16	380	
			1700	21478	---	---	5801	0.96 ✓	5729	0.13 ✓	386	
			2100	21718	---	---	5803	0.98	5726	0.15	382	
			100 4/26/80	21958	---	---	5807	0.95	5731	0.10	381	
			500	22198	---	---	5810	0.93 ✓	5735	0.08 ✓	379	
			900	22438	---	---	5805	1.02	5731	0.16 ✓	376	
			1300	22678	---	---	5802	1.00	5730	0.12	391	
			1700	22918	---	---	5802	0.99 ✓	5732	0.09 ✓	382	
			2100	23158	---	---	5804	1.03	5733	0.14 ✓	376	
			100 4/27/80	23398	---	---	5806	1.02	5738	0.10	374	
			500	23638	---	---	5811	1.07 ✓	5741	0.08 ✓	371	
			63044	23728.73	---	---	5810	1.04	5742	0.10 ✓	370	

ACTIVITY LOCATION	LEGAL DESCRIPTION				DEPTH OF HOLE (FT)	WATER LEVEL		COMMENTS
	TWP	RGE	SEC	SUBDIV.		(FT)	DATE	
	Water Resources Well							
	35	64E	12	NE 1/4 SW 1/4				

BORINGS/OBSERVATION WELLS
DRY LAKE VALLEY
 BY PARKER DATE 10-22-80
 CHECKED D. Olson DATE 11-13-80


FUGARO LONG BEACH
 CALIFORNIA
 PROJECT NO. 80-300



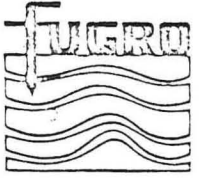
Recovery

AQUIFER PUMP TEST DATA
DEEP OW

1 of 6

SITE NUMBER T3S/R64E-12a CLIENT BMO-MX AIR FORCE LOCATION DRY LAKE VALLEY, NEV. PERSONNEL KELLY E. ROUJE
 JOB NUMBER 79-290-45 ELEVATION MEASURING POINT 4645 FT GROUND SURFACE 4643 FT
 PUMPED WELL NUMBER TW-1 STATIC WATER LEVEL 385.42 FT
 OBSERVATION WELL NUMBER OW-7 (DEEP) THICKNESS OF SCREENED INTERVAL, b 20' RADIUS OF PUMPED WELL 5 INCHES
 DISTANCE BETWEEN PUMPED & OBSERVATION WELLS 475 FT

DATE	HOUR	TIME MINUTES		t/t'	DEPTH TO WATER BMP (FEET)	WATER LEVEL ELEVATION (FEET)	DRAWDOWN S (FEET)	RESIDUAL DRAWDOWN S' (FEET)	DISCHARGE (GPM)	REMARKS
		PUMPING t	RECOVERY t'							
4/20/00	1902:01	14400.01	.0	∞			4.22	4.22		many time intervals and their measurements were deleted, due to monotony, for the first few minutes.
	1902:32	14400.58	.53	45001			do.	4.19		
	1903:01	14401.02	1.02	14109				4.19		
	1903:31	14401.52	1.52	9475				4.22		
	1904:01	14402.02	2.02	7.130				4.22		
	1904:57	14402.95	2.95	4882				4.19		
	19:06	14404	4	3.601				4.23		
	19:07	14405	5	2821				4.20		
	19:08	14406	6	2401				4.22		
	19:09	14407	7	2059				4.20		
	19:10	14408	8	1801				4.22		
	19:11	14409	9	1601				4.23		
	19:12	14410	10	1441				4.26		
	19:13	14411	11	1310				4.24		
	19:14	14412	12	1201				4.26		
	19:15	14413	13	1109				4.26		
	19:16	14414	14	1030				4.24		
	19:17	14415	15	961				4.26		
	19:18	14416	16	901				4.26		
	19:19	14417	17	848				4.24		



AQUIFER PUMP TEST DATA

SITE NUMBER T3S/R64E-12ca CLIENT BMO-MX AIR FORCE LOCATION JRI LAKE VALLEY, NEV PERSONNEL KELLY E ROWE
 JOB NUMBER 79-290-45 ELEVATION _____ MEASURING POINT _____ FT GROUND SURFACE _____ FT
 PUMPED WELL NUMBER _____ STATIC WATER LEVEL _____ FT
 OBSERVATION WELL NUMBER DEEP THICKNESS OF SCREENED INTERVAL, b _____ RADIUS OF PUMPED WELL _____ FT
 DISTANCE BETWEEN PUMPED & OBSERVATION WELLS _____ FT

DATE	HOUR	TIME MINUTES		t/t'	DEPTH TO WATER BMP (FEET)	WATER LEVEL ELEVATION (FEET)	DRAWDOWN S (FEET)	RESIDUAL DRAWDOWN S' (FEET)	DISCHARGE (GPM)	REMARKS
		PUMPING t	RECOVERY t'							
4/30/80	19:50	14418	18	801			4.22	4.24		
	19:21	14419	19	759			do	4.24		
	19:22	14420	20	721				4.26		
	19:23	14421	21	687				4.26		
	19:24	14422	22	656				4.26		
	19:25	14423	23	627				4.24		
	19:26	14424	24	601				4.23		
	19:27	14425	25	577				4.23		
	19:28	14426	26	555				4.23		
	19:29	14427	27	534				4.22		
	19:30	14428	28	515				4.22		
	19:31	14429	29	498				4.22		
	19:32	14430	30	481				4.22		
	19:37	14435	35	412				4.18		
	19:42	14440	40	361				4.15		
	19:47	14445	45	321				4.13		
	19:52	14450	50	289				4.08		
	19:57	14455	55	263				4.04		
	20:02	14460	60	241				4.00		
	20:34	14492	92	158				3.71		

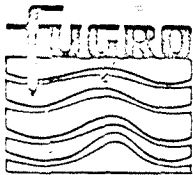


AQUIFER PUMP TEST DATA

3 of 6

SITE NUMBER T35/RGHE-1200 CLIENT BMO-MX AIR FORCE LOCATION DRY LAKE VALLEY, NEV. PERSONNEL KELLY E. ROWE
 JOB NUMBER 79-290-45 ELEVATION _____ MEASURING POINT _____ FT GROUND SURFACE _____ FT
 PUMPED WELL NUMBER _____ STATIC WATER LEVEL _____ FT
 OBSERVATION WELL NUMBER DEEP THICKNESS OF SCREENED INTERVAL, b _____ RADIUS OF PUMPED WELL _____ FT
 DISTANCE BETWEEN PUMPED & OBSERVATION WELLS _____ FT

DATE	HOUR	TIME MINUTES		t/t'	DEPTH TO WATER BMP (FEET)	WATER LEVEL ELEVATION (FEET)	DRAWDOWN S (FEET)	RESIDUAL DRAWDOWN S' (FEET)	DISCHARGE (GPM)	REMARKS
		PUMPING t	RECOVERY t'							
4/20/80	21:04	14522	122	119			4.22	3.44		
	21:34	14552	152	96			do.	3.20		
	22:04	14582	182	80				2.96		
	22:34	14612	202	72				2.78		
	23:04	14642	232	63				2.62		
	23:34	14672	262	56				2.46		
4/21/80	004	14702	292	50				2.32		
	100	14758	358	41				2.11	1	
	200	14818	418	35				1.91		
	300	14878	478	31				1.75		
	4:00	14938	538	27				1.63		
	500	14998	598	25				1.52		
	6:00	15058	658	23				1.42		
	700	15118	718	21				1.35		
	8:00	15178	778	19.5				1.27		
	9:00	15238	838	18				1.21		
	10:00	15298	898	17				1.15		
	1100	15358	958	16				1.07		
	1200	15418	1018	15				1.03		
	1300	15478	1078	14				.99		

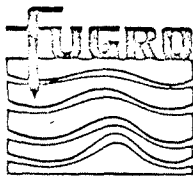


AQUIFER PUMP TEST DATA

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SITE NUMBER T3S/64E-29 CLIENT BMO-MX- AIR FORCE LOCATION DRY LAKE PERSONNEL KELLY E. ROWE
 JOB NUMBER 79-290-45 ELEVATION _____ MEASURING POINT _____ FT GROUND SURFACE _____ FT
 PUMPED WELL NUMBER _____ STATIC WATER LEVEL _____ FT
 OBSERVATION WELL NUMBER DEEP THICKNESS OF SCREENED INTERVAL, b _____ RADIUS OF PUMPED WELL _____ FT
 DISTANCE BETWEEN PUMPED & OBSERVATION WELLS _____ FT

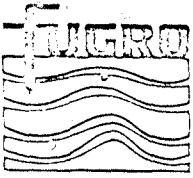
DATE	HOUR	TIME MINUTES		t/t'	DEPTH TO WATER BMP (FEET)	WATER LEVEL ELEVATION (FEET)	DRAWDOWN S1 (FEET)	RESIDUAL DRAWDOWN S2 (FEET)	DISCHARGE (GPM)	REMARKS
		PUMPING t	RECOVERY t'							
4/21/80	1400	15538	1138	13.7			4.22	0.95		
	1500	15598	1198	13.0			0.0	0.90		
	1600	15658	1258	12.4				0.88		
	1700	15718	1318	11.9				0.81		
	1800	15778	1378	11.4				0.77		
	1900	15838	1438	11.0				0.74		
	2000	15898	1498	10.6				0.70		
	2100	15958	1558	10.2				0.67		
	2200	16018	1618	9.9				0.61		
	2300	16078	1678	9.6				0.60		
4/22/80	000	16138	1738	9.3				0.59		
	100	16198	1798	9.0				0.53		
	300	16318	1918	8.5				0.52		
	500	16438	2038	8.1				0.53		
	700	16558	2158	7.7				0.53		
	900	16678	2278	7.3				0.52		
	1100	16798	2398	7.0				0.50		
	1300	16918	2518	6.7				0.47		
	1500	17038	2638	6.5				0.45		
	1700	17158	2758	6.22				0.44		



AQUIFER PUMP TEST DATA

SITE NUMBER T3S/R(GHE-1700) CLIENT BMO-MX AIR FORCE LOCATION DRY LAKE VALLEY NEV PERSONNEL KELLY E. ROYNE
 JOB NUMBER 79-290-45 ELEVATION _____ MEASURING POINT _____ FT GROUND SURFACE _____ FT
 PUMPED WELL NUMBER _____ STATIC WATER LEVEL _____ FT
 OBSERVATION WELL NUMBER DEED THICKNESS OF SCREENED INTERVAL, b _____ RADIUS OF PUMPED WELL _____ FT
 DISTANCE BETWEEN PUMPED & OBSERVATION WELLS _____ FT

DATE	HOUR	TIME MINUTES		t/t'	DEPTH TO WATER BMP (FEET)	WATER LEVEL ELEVATION (FEET)	DRAWDOWN S (FEET)	RESIDUAL DRAWDOWN S' (FEET)	DISCHARGE (GPM)	REMARKS
		PUMPING t	RECOVERY t'							
4/22/80	1900	17278	2878	6.0			4.22	0.43		
	2100	17398	2998	5.8			do	0.42		
	2300	17518	3118	5.6				0.37		
4/23/80	100	17638	3238	5.4				0.32		
	300	17758	3358	5.2				0.31		
	500	17878	3478	5.1				0.31		
	700	17998	3598	5.0				0.32		
	900	18118	3718	4.9				0.35		
	1100	18238	3838	4.8				0.36		
	1300	18358	3958	4.6				0.36		
	1500	18478	4078	4.5				0.33		
	1700	18598	4198	4.4				0.36		
	1900	18718	4318	4.3				0.35		
	2100	18838	4438	4.2				0.33		
	2300	18958	4558	4.1				0.31		
4/24/80	100	19078	4678	4.1				0.29		
	300	19198	4798	4.0				0.28		
	500	19318	4918	3.9				0.25		
	700	19438	5038	3.9				0.25		
	900	19558	5158	3.8				0.28		



AQUIFER PUMP TEST DATA

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SITE NUMBER T3S/RCH-12a CLIENT BMO-MX AIR FORCE LOCATION DRY LAKE VALLEY, NEV. PERSONNEL KELLY E. ROWE
 JOB NUMBER 79-290-45 ELEVATION _____ MEASURING POINT _____ FT GROUND SURFACE _____ FT
 PUMPED WELL NUMBER _____ STATIC WATER LEVEL _____ FT
 OBSERVATION WELL NUMBER DEEP THICKNESS OF SCREENED INTERVAL, b _____ RADIUS OF PUMPED WELL _____ FT
 DISTANCE BETWEEN PUMPED & OBSERVATION WELLS _____ FT

DATE	HOUR	TIME MINUTES		t/t'	DEPTH TO WATER BMP (FEET)	WATER LEVEL ELEVATION (FEET)	DRAWDOWN S (FEET)	RESIDUAL DRAWDOWN S' (FEET)	DISCHARGE (GPM)	REMARKS
		PUMPING t	RECOVERY t'							
4/24/80	11:00	19678	5278	3.7			4.22	0.27		
	1300	19798	5398	3.7			do.	0.22		
	1500	19918	5518	3.6				0.17		
	1700	20038	5638	3.6				0.21		
	2100	20278	5878	3.4				0.24		
4/25/80	100	20518	6118	3.4				0.17		
	500	20758	6358	3.3				0.16		
	9:13:34	21011.57	6611.57	3.2				0.23		
	1300	21238	6838	3.1				0.16		
	1700	21478	7078	3.03				0.13		
	2100	21718	7318	2.97				0.15		
4/26/80	100	21958	7558	2.90				0.10		
	500	22198	7798	2.85				0.08		
	900	22438	8038	2.79				0.16		
	1300	22678	8278	2.74				0.12		
	1700	22918	8518	2.69				0.09		
	2100	23158	8758	2.64				0.14		
4/27/80	100	23398	8998	2.60				0.10		
	500	23638	9238	2.56				0.08		
	6:30:44	23728.71	9328.73	2.54				0.10		

STOPPED TEST