

**Reported Production Test Characteristics of Existing Wells
in the Old Women Creek Within 1.5 Miles of proposed First Liberty Energy No. 1**

Permit Number	Owner / Permittee	1/4 40	1/4 160	Sec	Twp (N)	Rng (E)	Total Depth	Borehole Diameter (ft)	Borehole Radius (ft)	Saturated Aquifer Thickness (ft)	Pumping Rate (gpm)	Static Water Level (ft)	Pumping Level (ft)	Test Duration (hours)	Date Measured	Test Method	Estimated Specific Capacity (gpm/ft)	Estimated Transmissivity (gpd/ft)	Estimated Average Hydraulic Conductivity (ft/day)	Thickness (ft)	Driller	Brief Geologic Log
54484	MARTZ LARRY R AND JOHN L	NE	SE	16	40	5	100		0.00		15											not drilled
54516	MARTZ LARRY R	SE	SE	16	40	5	340	0.552083333	0.28	312	8	28	340	1	8/1/2001	air	0.0256	11.8000	0.0051	156.0000	Spencer	blue & brown solid rock
54517	MARTZ LARRY R	NE	SE	16	40	5	300	0.552083333	0.28	273	1	27	300	2	8/4/2001	air	0.0037	1.2000	0.0006	136.5000	Spencer	blue solid rock
54960	MARTZ LARRY R	NE	SE	16	40	5	300	0.552083333	0.28	270	2	30	300	2	8/6/2001	air	0.0074	3.0000	0.0015	135.0000	Spencer	blue solid rock
55073	MARTZ LARRY R	SW	SE	16	40	5	340	0.552083333	0.28	313	6	27	340	1	7/28/2001	air	0.0192	8.2000	0.0035	156.5000	Spencer	blue & brown solid rock
55096	WATKINS SCOTT	SW	NE	8	40	5	168	0.510416667	0.26	150	4	18	180	2	11/20/2001	air	0.0247	13.7000	0.0122	75.0000	Spencer	blue solid & brown fractured rock
55096							168	0.510416667	0.26	108	5	60	80	1	7/1/2002	pump	0.2500	185.2000	0.2293	54.0000		
62383-F	GILE JR WILMER	SE	SE	16	40	5	300	0.552083333	0.28	259	15	41	320	1	4/26/2005	air	0.0538	29.4000	0.0152	129.5000	Spencer	blue & brown solid rock
62383-F							300	0.552083333	0.28	282	15	18	32	1	5/10/2005	pump	1.0714	953.2000	0.4519	141.0000		
65001-F	JOHNSON JEFFRY	NE	SE	8	40	5	380	0.541666667	0.27	320	15	60	380	1	10/16/2006	air	0.0469	25.1000	0.0105	160.0000	Spencer	blue & brown solid & brown fractured rock
65001-F							380	0.541666667	0.27	320	15	60	310	1	12/12/2006	pump	0.0600	33.8000	0.0141	160.0000		
65307-F	AKINS CHARLES W	SE	NE	8	40	5	200	0.552083333	0.28	199	15	1	160	1	7/10/1997	air	0.0943	57.6000	0.0387	99.5000	Spencer	hard blue clay, brown solir rock
197264		SE	NE	8	40	5	200	0.552083333	0.28	199	15	1	172	1	7/10/1997	Pump	0.0877	52.9000	0.0355	99.5000		
67021	MYERS DUANE	NE	SE	8	40	5	80	0.583333333	0.29	60	15	20	51	1	11/11/1974	B	0.4839	380.3000	0.8474	30.0000	Burk	brown & green clay and sand
79569	LORD PERLYE.	SW	NE	8	40	5	60	0.416666667	0.21	37	10	23	50	1	12/19/1976	B	0.3704	308.3000	1.1140	18.5000	Burk	gravel, sand & clay
79569-A	REYNOLDS CLIFFORD D & MARLENE	SW	NE	8	40	5	240	0.5	0.25	205	15	35	100	1	5/10/2009	air	0.2308	169.9000	0.1108	102.5000	Spencer	brown & blue soft & brown fractured rock
79569-A							240	0.5	0.25	211	10	29	81	1	6/17/2009	Pump	0.1923	137.6000	0.0872	105.5000		
170793	RIO GRANDE RANCHOS	SE	NE	8	40	5	120	0.552083333	0.28	69	2	51	120	1	2/16/1996	air	0.0290	13.8000	0.0267	34.5000	Spencer	brown fractured & blue rock
170801	HUCKE WILLIAM R & DONNA J	SW	NE	8	40	5	120	0.552083333	0.28	112	3	8	120	1	2/14/1996	air	0.0268	12.5000	0.0149	56.0000	Spencer	brown frac. & blue rock
170802	RIO GRANDE RANCHOS	SE	NW	8	40	5	120	0.552083333	0.28	113	2	7	96	1	6/7/1996	air	0.0225	10.0000	0.0119	56.5000	Spencer	brown & blue (fract.) solid rock
170814	DICKEY ANDREW A & DANETTE L	SE	NE	8	40	5	124	0.552083333	0.28	96	5	28	80	1	6/5/1996	air	0.0962	59.0000	0.0822	48.0000	Spencer	brown & blue (fract.) solid rock
170815	HOWELL RONALD D	SE	NE	8	40	5	126	0.552083333	0.28	89	1	37	99	1	6/4/1996	air	0.0161	6.6000	0.0099	44.5000	Spencer	brown & blue (fract.) solid rock
170817	RIO GRANDE RANCHOS	SE	NE	8	40	5	220	0.552083333	0.28	214	12	6	200	1.5	5/1/1997	air	0.0619	37.7000	0.0236	107.0000	Spencer	brown clay, brown & blue solid rock
170819	SCHULTZ BRIAN D	SE	NE	8	40	5	105	0.552083333	0.28	79	3	26	89	1	6/6/1996	air	0.0476	25.4000	0.0430	39.5000	Spencer	brown & blue (fract.) solid rock
170822	RIO GRANDE RANCHOS	SW	NE	8	40	5	124	0.552083333	0.28	98	2	26	105	1	6/18/1996	air	0.0253	11.7000	0.0160	49.0000	Spencer	brown & blue (fract.) solid rock
170824	GONZALES MARK A	SW	NE	8	40	5	124	0.552083333	0.28	100	4	24	80	1	6/15/1996	air	0.0714	41.4000	0.0553	50.0000	Spencer	brown & blue (fract.) solid rock
170825	RIO GRANDE RANCHOS	SW	NE	8	40	5	124	0.552083333	0.28	96	1	28	119	1	6/20/1996	air	0.0110	4.0000	0.0056	48.0000	Spencer	brown & blue (fract.) solid rock
195679	RYAN JAMES W & CATHERINE A	SE	SE	8	40	5	300	0.552083333	0.28	272	5	28	280	0.5	11/20/1997	air	0.0198	7.0000	0.0034	136.0000	Spencer	brown clay, brown & blue solid rock
195681	MARTZ LARRY & JOHN L	NE	NE	17	40	5	300	0.552083333	0.28	272	5	28	280	0.5	6/9/1998	air	0.0198	7.0000	0.0034	136.0000	Spencer	brown clay, blue & blue solid rock
195682	SIMMEL RICHARD F & JUDY C	NW	NW	16	40	5	300	0.53125	0.27	272	5	28	290	0.5	8/28/1997	air	0.0191	6.8000	0.0033	136.0000	Spencer	hard pan, sand & clay & solid rock
195684	MARTZ LARRY & JOHN L	SW	NW	16	40	5	300	0.53125	0.27	270	5	30	278	0.5	9/2/1997	air	0.0202	7.3000	0.0036	135.0000	Spencer	hard pan, sand & clay & solid rock
195686	MARTZ LARRY & JOHN L	NW	SW	16	40	5	224	0.552083333	0.28	217	15	7	140	1	7/4/1997	pump	0.1128	71.2000	0.0439	108.5000	Spencer	blue clay, brown solid rock
195686							224	0.552083333	0.28	217	15	7	140	1	7/2/1997	air	0.1128	71.2000	0.0439	108.5000		
196293	PETTICREW DENNIS & MICHELLE	NW	NW	15	40	5	884	0.552083333	0.26	867	40	18	none	2	5/15/1997	air				433.2500	Valley Pump	gray & blue clay/shale, black malipy, gray sandstone, red rhyolite
196293	PETTICREW DENNIS & MICHELLE	NW	NW	15	40	5	309	0.5	0.25	81	0.25	228	none	2	6/24/1999	air				40.5000	Burk	brown & blue clay, blue & red volcanic rock
196293	PETTICREW DENNIS	NW	NW	15	40	5	510	0.5	0.25	290	0	220	510	1	1/4/2005	air	0.0009	0.1000		145.0000	American Drilling	brown & blue volcanic rock
196293	ARNOLD NATHAN A & AMY M	NW	NW	15	40	5	306	0.520833333	0.26	306	100			48	4/25/2007	FLOW				153.0000	Spencer	Brown & Blue solid rock & fract. Brown rock
198571	SMITH TORRIE D/JAMES M CALL	NW	SW	9	40	5	197	0.479166667	0.24	157	2	40	180	1	6/20/1997	air	0.0143	6.1000		78.5000	Mitchell	basalt & shale, blue shale with seams sand & gravel & scoria
208065	BUTLER PAUL	SW	NE	16	40	5	300	0.53125	0.27	120	1.5	180	300	1	10/30/1998	air	0.0125	4.9000	0.0055	60.0000	Spencer	blue solid & brown fractured rock
208065	PETERSON OSCAR AND SHARON	SW	NE	16	40	5	405	0.520833333	0.26	125	2	280	390	10.5	6/19/2000	air	0.0182	12.8000	0.0137	62.5000	Mitchell	black & gray sand, andisite
208068	MARTZ LARRY R	SE	SE	16	40	5	300	0.510416667	0.26	260	5	40	300	1	3/6/1999	air	0.0192	8.6000	0.0044	130.0000	Spencer	blue soft & hard rock, brown frac. Rock
208072	MARTZ LARRY R	SE	NE	16	40	5	300	0.552083333	0.28	274	4	26	300	1	2/19/2000	air	0.0146	5.8000	0.0028	137.0000	Spencer	brown & blue soft/solid rock & blue & brown solid rock
208076	MCCLANGHAN CHRISTOPER LEE	SW	NE	8	40	5	124	0.5	0.25	99	3	25	124	0.5	7/10/1998	air	0.0303	12.9000	0.0174	49.5000	Spencer	brown & blue soft rock & brown hard rock
208077	MARTZ LARRY R	SW	NE	8	40	5	114	0.5	0.25	83	3	31	114	0.5	7/9/1998	air	0.0361	16.1000	0.0259	41.5000	Spencer	brown hard rock, blue soft & hard rock
208078	LEWIS RONNIE & VICKI LYNN	SW	NE	8	40	5	164	0.552083333	0.28	117	6	47	164	0.75	7/14/1998	air	0.0513	26.1000	0.0298	58.5000	Spencer	blue soft & hard rock
208079	PATTERSON JIMMY DEAN & SHERIAN D	SW	NE	8	40	5	144	0.5	0.25	126	7	18	144	0.5	7/7/1998	air	0.0556	27.4000	0.0291	63.0000	Spencer	blue soft & blue & brown hard rock
208181	KAUFMAN SAMUEL A JR & ROSE MARIE	SW	NE	8	40	5	124	0.552083333	0.28	103	4	21	124	0.75	7/10/1998	air	0.0388	18.5000	0.0240	51.5000	Spencer	brown hard & blue & brown soft rock
208182	LOPEZ TRAVIS R	SE	NW	8	40	5	164	0.53125	0.27	152	3	12	160	2	4/27/1998	pump	0.0203	10.6000	0.0093	76.0000	Spencer	brown & blue soft & brown hard rock
209784	KLING KENNETH L & SHARON L	SE	NW	15	40	5	300	0.510416667	0.26	256	5	44	300	3	6/3/1998	air	0.0195	11.2000	0.0058	128.0000	Ground Explor.	claystone/sandston hard blue & gray
209801	FLOURNOY LARRY A & MARY F	SE	SW	16	40	5	303	0.5	0.25	289	20	14	300	3	7/30/1998	air	0.0699	50.7000	0.0235	144.5000	Ground Explor.	gray hard sandstone, brown to red br.tuffs (fractured in part)
216041	CLARK SHEARON I	SE	NE	8	40	5	200	0.53125	0.27	197	5	3	200	2	4/10/1999	air	0.0254	13.9000	0.0094	98.5000	Spencer	blue & brown solid rock
216042	BLICKHAHN GEORGE & ANITA	SE	NE	8	40	5	200	0.552083333	0.28	184												