

A.1.6 North Dry Creek pumping data excel spreadsheet

NWNE 27-8N-16W

NAD 8 Lat: N40 38' 25.91700"

Surface Elev: 2156.92'

Augmentation Production Well

Long: W99 06' 59.91771"

G-159762 Well ID: 210850

Stickup: 2.25'

Start Date / Time	End Date Time	MP Depth	Stickup	Depth	Elevation	Begin Meter	End Meter	Ac/In Pumped Interval	Ac/In Annual Total	Pumping Rate GPM	Gallons Pumped Interval	Annual Total Gallons	Comments
7/12/2011 15:00	7/12/2011 15:00	M	2.25			0.00	0.31	0.31		1275			Well Contractor Pumped Well
7/13/2011 10:40	7/13/2011 11:00	M	2.25			0.31	1.21	0.90		1250			Started Well @ 10:40--No SWL--Access Blocked
7/13/2011 11:00	7/13/2011 11:20	23.13	2.25	20.88	2136.04	1.21	2.12	0.91		1250			Observed No Irrigation Wells Running In Local Area
7/13/2011 11:20	7/13/2011 11:40	23.25	2.25	21.00	2135.92	2.12	3.03	0.91		1240			Well Contractor Removed Blockage From Access Port
7/13/2011 11:40	7/13/2011 12:00	23.28	2.25	21.03	2135.89	3.03	3.92	0.89		1240			
7/13/2011 12:00	7/13/2011 12:20	23.44	2.25	21.19	2135.73	3.92	4.84	0.92		1240			
7/13/2011 12:20	7/13/2011 12:40	23.51	2.25	21.26	2135.66	4.84	5.70	0.86		1240			
7/13/2011 12:40	7/13/2011 13:00	23.56	2.25	21.31	2135.61	5.70	6.61	0.91		1240			
7/13/2011 13:00	7/13/2011 13:20	23.62	2.25	21.37	2135.55	6.61	7.58	0.97		1240			Discharge Water Temp 52 F / 11 C
7/13/2011 13:20	7/13/2011 13:40	23.69	2.25	21.44	2135.48	7.58	8.40	0.82		1240			
7/13/2011 13:40	7/13/2011 14:00	23.72	2.25	21.47	2135.45	8.40	9.32	0.92		1240			Stopped Well @ 14:00--9.01 A/I Pumped 7/13/2011
7/13/2011 14:00	7/13/2011 14:10	8.56	2.25	6.31	2150.61	9.32	9.32	0.00		0			
7/13/2011 14:10	7/13/2011 14:20	8.39	2.25	6.14	2150.78	9.32	9.32	0.00		0			
7/13/2011 14:20	7/13/2011 14:30	8.24	2.25	5.99	2150.93	9.32	9.32	0.00		0			
7/13/2011 14:30	7/13/2011 14:40	8.12	2.25	5.87	2151.05	9.32	9.32	0.00		0			
7/13/2011 14:40	7/13/2011 15:00	7.92	2.25	5.67	2151.25	9.32	9.32	0.00		0			
7/13/2011 15:00	7/13/2011 15:30	7.67	2.25	5.42	2151.50	9.32	9.32	0.00		0			
7/14/2011 13:20		7.07	2.25	4.82	2152.10	9.32	9.32	0.00		0			1/2 Pivot @ W1/2NW1/4 & Pivot @ SE1/4 Running
7/20/2011 13:20		7.40	2.25	5.15	2151.77	9.32	9.32	0.00		0			
8/5/2011 13:10		8.04	2.25	5.79	2151.13	9.32	9.32	0.00		0			Nitrate Sample=28.4 ppm
10/24/2011 12:00		7.61	2.25	5.36	2151.56	9.32	18.39	9.07	18.39	1200		499,362	Well Ran During The Month Of October--JT
3/12/2012 11:45		7.67	2.25	5.42	2151.50	18.39	18.39	0.00	0.00	0	0	0	Water Meter Reading @ 11:45--0018.39 A/I
5/11/2012 12:00		7.54	2.25	5.29	2151.63	18.39	18.39	0.00	0.00	0	0	0	Water Meter Reading @ 12:00--0018.39 A/I
6/6/2012 14:25		7.72	2.25	5.47	2151.45	18.39	18.45	0.06	0.06	1200	1,629	1,629	Water Meter Reading @ 14:30--0018.45 A/I--Well In SW1/4 Sec 26 Running
6/7/2012 13:10	6/7/2012 13:15	7.76	2.25	5.51	2151.41	18.45	18.52	0.07	0.13	1200	1,901	3,530	Water Meter Reading @ 13:10--Well In SW1/4 Sec 26 OFF / Well In NW1/4 Sec 26 Running
6/7/2012 13:15	6/7/2012 13:30	21.94	2.25	19.69	2137.23	18.52	19.01	0.49	0.62	1200	13,305	16,835	Started Augmentation Well @ 13:15
6/7/2012 13:30	6/7/2012 13:45	22.15	2.25	19.90	2137.02	19.01	19.66	0.65	1.27	1200	17,650	34,486	
6/7/2012 13:45	6/7/2012 14:00	22.28	2.25	20.03	2136.89	19.66	20.31	0.65	1.92	1200	17,650	52,136	
6/7/2012 14:00	6/7/2012 14:15	22.36	2.25	20.11	2136.81	20.31	20.94	0.63	2.55	1200	17,107	69,243	
6/7/2012 14:15	6/7/2012 14:30	22.47	2.25	20.22	2136.70	20.94	21.59	0.65	3.20	1200	17,650	86,893	Discharge Water Temp 52 F / 11 C--N40 38' 25.80" / W099 06' 58.40" Elev ~2158' RH
6/7/2012 14:30	6/7/2012 14:45	22.55	2.25	20.30	2136.62	21.59	22.26	0.67	3.87	1200	18,193	105,086	
6/7/2012 14:45	6/7/2012 15:00	22.62	2.25	20.37	2136.55	22.26	22.90	0.64	4.51	1200	17,379	122,465	
6/7/2012 15:00	6/7/2012 15:15	22.68	2.25	20.43	2136.49	22.90	23.58	0.68	5.19	1200	18,465	140,929	
6/7/2012 15:15	6/7/2012 15:30	22.72	2.25	20.47	2136.45	23.58	24.19	0.61	5.80	1200	16,564	157,493	
6/7/2012 15:30	6/7/2012 15:45	22.74	2.25	20.49	2136.43	24.19	24.86	0.67	6.47	1200	18,193	175,686	Last Measurement For 6/7/2012--Well Still Running

6/7/2012 15:45	6/8/2012 9:00	23.93	2.25	21.68	2135.24	24.86	68.97	44.11	50.58	1190	1,197,763	1,373,449	Started Nickel Pivot Well @ 10:00
6/8/2012 9:00	6/8/2012 10:15	23.98	2.25	21.73	2135.19	68.97	72.33	3.36	53.94	1190	91,237	1,464,687	Discharge Water Temp 52 F / 11 C
6/8/2012 10:15	6/8/2012 11:00	23.98	2.25	21.73	2135.19	72.33	74.30	1.97	55.91	1190	53,493	1,518,180	
6/8/2012 11:00	6/8/2012 14:15	24.07	2.25	21.82	2135.10	74.30	82.50	8.20	64.11	1190	222,663	1,740,843	Started Nickel Gravity Well @ 13:15
6/8/2012 14:15	6/8/2012 15:45	24.10	2.25	21.85	2135.07	82.50	86.35	3.85	67.96	1190	104,543	1,845,386	Last Measurement For 6/8/2012--Well Still Running
6/8/2012 15:45	6/11/2012 15:50	24.78	2.25	22.53	2134.39	86.35					0	0	Gravity Well OFF / Pivot Well Running / No Meter Reading
6/11/2012 15:50		24.78	2.25	22.53	2134.39	86.35					0	0	Wells In E1/2 Sec 27 Running
6/11/2012 15:50	6/15/2012 11:45	25.24	2.25	22.99	2133.93	86.35	503.68	417.33	485.29	1180	11,332,179	13,177,565	Wells In E1/2 Sec 27 Running--Well In NW1/4 Sec 26 Running--Gravity Well OFF
6/15/2012 11:45	6/18/2012 15:00	25.30	2.25	23.05	2133.87	503.68	695.02	191.34	676.63	1190	5,195,646	18,373,211	Wells in E1/3 Sec 27 Running--Gravity Well Running--Augmentation Well
6/18/2012 15:00	6/18/2012 15:10	25.30	2.25	23.05	2133.87	695.02	695.43	0.41	677.04	1190	11,133	18,384,344	Wells in E1/3 Sec 27 Running--Gravity Well Running--Augmentation Well
6/18/2012 15:10	6/18/2012 15:15	25.30	2.25	23.05	2133.87	695.43	695.63	0.20	677.24	1190	5,431	18,389,775	Wells in E1/3 Sec 27 Running--Gravity Well Running--Augmentation Well
6/18/2012 15:15	6/18/2012 16:00	25.30	2.25	23.05	2133.87	695.63	697.54	1.91	679.15	1190	51,864	18,441,639	Running Gravity, Pivot, Augmentation Wells
6/18/2012 16:00	6/21/2012 12:30	25.48	2.25	23.23	2133.69	697.54	871.30	173.76	852.91	1180	4,718,279	23,159,918	Running / Wells in NW1/4 Sec 27, SW1/4 Sec 26 Running
6/21/2012 12:30	6/21/2012 13:00	25.48	2.25	23.23	2133.69	871.30	872.56	1.26	854.17	1180	34,214	23,194,132	Gravity, Pivot, Augmentation Wells Running / Wells in NW1/4 Sec 27, SW1/4 Sec 26 Running
6/21/2012 13:00	6/21/2012 13:15	25.48	2.25	23.23	2133.69	872.56	873.21	0.65	854.82	1180	17,650	23,211,782	Gravity, Pivot, Augmentation Wells Running / Wells in NW1/4 Sec 27, SW1/4 Sec 26 Running
6/21/2012 13:15	6/21/2012 13:16	25.48	2.25	23.23	2133.69	873.21	873.24	0.03	854.85	1180	815	23,212,597	Augmentation Well OFF @ 13:16
6/21/2012 13:16	6/21/2012 13:21	12.16	2.25	9.91	2147.01	873.24	873.24	0.00	854.85	0	0	23,212,597	Augmentation Well OFF, Gravity, Pivot, Wells Running / Wells in NW1/4 Sec 27, SW1/4 Sec 26 Running
6/21/2012 13:21	6/21/2012 13:26	12.04	2.25	9.79	2147.13	873.24	873.24	0.00	854.85	0	0	23,212,597	Augmentation Well OFF, Gravity, Pivot, Wells Running / Wells in NW1/4 Sec 27, SW1/4 Sec 26 Running
6/21/2012 13:26	6/21/2012 13:30	11.96	2.25	9.71	2147.21	873.24	873.24	0.00	854.85	0	0	23,212,597	Augmentation Well OFF, Gravity, Pivot, Wells Running / Wells in NW1/4 Sec 27, SW1/4 Sec 26 Running
6/21/2012 13:30	6/21/2012 13:45	11.70	2.25	9.45	2147.47	873.24	873.24	0.00	854.85	0	0	23,212,597	Augmentation Well OFF, Gravity, Pivot, Wells Running / Wells in NW1/4 Sec 27, SW1/4 Sec 26 Running
6/21/2012 13:45	6/21/2012 14:00	11.52	2.25	9.27	2147.65	873.24	873.24	0.00	854.85	0	0	23,212,597	Augmentation, Gravity Wells OFF, Pivot, Well Running / Well in NW1/4 Sec 27
6/21/2012 14:00	6/21/2012 14:30	11.42	2.25	9.17	2147.75	873.24	873.24	0.00	854.85	0	0	23,212,597	OFF, SW1/4 Sec 26 Running

6/21/2012 14:30	6/21/2012 15:00	11.04	2.25	8.79	2148.13	873.24	873.24	0.00	854.85	0	0	23,212,597	Augmentation, Gravity Wells OFF, Pivot, Well Running / Well in NW1/4 Sec 27 OFF, SW1/4 Sec 26 Running
6/21/2012 15:00	6/21/2012 15:30	10.85	2.25	8.60	2148.32	873.24	873.24	0.00	854.85	0	0	23,212,597	Augmentation, Gravity Wells OFF, Pivot, Well Running / Well in NW1/4 Sec 27 OFF, SW1/4 Sec 26 Running
6/21/2012 15:30	6/21/2012 15:45	10.77	2.25	8.52	2148.40	873.24	873.24	0.00	854.85	0	0	23,212,597	Augmentation, Gravity Wells OFF, Pivot, Well Running / Well in NW1/4 Sec 27 OFF, SW1/4 Sec 26 Running
6/21/2012 15:45	6/22/2012 10:40	9.31	2.25	7.06	2149.86	873.24	873.24	0.00	854.85	0	0	23,212,597	Augmentation, Gravity Wells OFF, Pivot, Well Running / Wells in NW1/4, SW1/4 Sec 26 Running, Well in SE1/4 Sec 27 Running
6/25/2012 13:05		8.67	2.25	6.42	2150.50	873.24	873.24	0.00	854.85	0	0	23,212,597	Gravity OFF, Augmentation Well OFF, Pivot OFF / Wells in SW1/4 Sec 26 Running, SE1/4 Sec 27 Running / Loggers Returned To 12-Hour Readings
8/30/2012					2146.67	873.24	4038.93	3165.69	4020.54	1175	85,961,146	109,173,743	Augmentation Well running, Pivot Running, Gravity Off
9/5/2012					2146.67	4038.93	4405.50	366.57	4387.11	1175	9,953,842	119,127,585	Augmentation Well running, Pivot Off, Gravity Off
9/6/2012					2146.17	4405.50	4464.20	58.70	4445.81	1175	1,593,940	120,721,525	Augmentation Well running, Pivot Off, Gravity Off
9/7/2012					2146.17	4464.20	4511.65	47.45	4493.26	1150	1,288,457	122,009,982	Augmentation Well OFF @ 9:29 AM
9/11/2012		11.56	2.25	9.31	2147.61	4511.65	4511.65	0.00	4493.26	0	0	122,009,982	Augmentation Well OFF, Creek Dry
9/17/2012		11.28	2.25	9.03	2147.89	4511.65	4511.65	0.00	4493.26	0	0	122,009,982	Augmentation Well OFF, Creek Dry
10/22/2012		10.61	2.25	8.36	2148.56	4511.65	4511.65	0.00	4493.26	0	0	122,009,982	Augmentation Well OFF, Creek Dry, Pivot off, Gravity on livestock, Well in SW1/4 Sec 26 Running
5/10/2013		8.50	2.25	6.25	2150.67	4511.65	4511.65	0.00	0.00		0	0	Augmentation Well OFF - started at 11:00. SE 27 pivot dripping, Other wells off, Nickel wells off
5/20/2013		10.81	2.25	8.56	2148.36	4511.65	5005.05	493.40	493.40	1200	13,397,784	13,397,784	Augmentation Well ON, Gravity Off, Pivot Off (12 Hr cycle)
5/30/2013		9.16	2.25	6.91	2150.01	5005.05	5305.77	300.72	794.12	0	8,165,751	21,563,534	All Wells OFF (12 Hr cycle)
6/6/2013		9.67	2.25	7.42	2149.50	5305.77	5529.03	223.26	1017.38	0	6,062,402	27,625,937	All Wells OFF (12 Hr cycle)
6/13/2013		10.08	2.25	7.83	2149.09	5529.00	5750.02	221.02	1238.40	0	6,001,577	33,627,514	All Wells OFF (12 Hr cycle)
7/5/2013		11.72	2.25	9.47	2147.45	5750.02	6391.70	641.68	1880.08	0	17,424,179	51,051,692	Augmentation Well Off, All Wells Pumping
7/16/2013		11.75	2.25	9.50	2147.42	6391.70	6711.23	319.53	2199.61	0	8,676,518	59,728,210	Augmentation Well Off, Creek Dry, All Wells Pumping
7/25/2013		10.92	2.25	8.67	2148.25	6711.23	6711.23	0.00	2199.61	0	0	59,728,210	Augmentation Well Off, Beginning Flow in Creek, Nickel Pivot Off, All other surrounding wells running
7/31/2013		10.51	2.25	8.26	2148.66	6711.23	6711.23	0.00	2199.61	0	0	59,728,210	Augmentation Well Off, Creek Flowing @ Outlet, Not flowing at River Road, Gravity Off, Pivot Running
8/7/2013		13.17	2.25	10.92	2146.00	6711.23	6929.92	218.69	2418.30	0	5,938,308	65,666,518	Augmentation Well Off, Creek Flowing
8/21/2013		13.00	2.25	10.75	2146.17	6929.92	7498.93	569.01	2987.31	0	15,450,898	81,117,416	Augmentation Well Off, Creek Flowing
8/29/2013		11.72	2.25	9.47	2147.45	7498.93	7762.48	263.55	3250.86	0	7,156,437	88,273,852	Augmentation Well Off, No Flow in Creek
9/6/2013		11.45	2.25	9.20	2147.72	7762.48	7762.48	0.00	3250.86	0	0	88,273,852	Augmentation Well Off, No Flow in Creek

9/17/2013	11.80	2.25	9.55	2147.37	7762.48	7762.48	0.00	3250.86	0	0	88,273,852	Augmentation Well Off, No Flow in Creek
11/7/2013	9.53	2.25	7.28	2149.64	7762.48	7762.48	0.00	3250.86	0	0	88,273,852	Augmentation Well Off, No Flow in Creek