

AP-113

**GENERAL
CORRESPONDENCE**

2002 - 2012

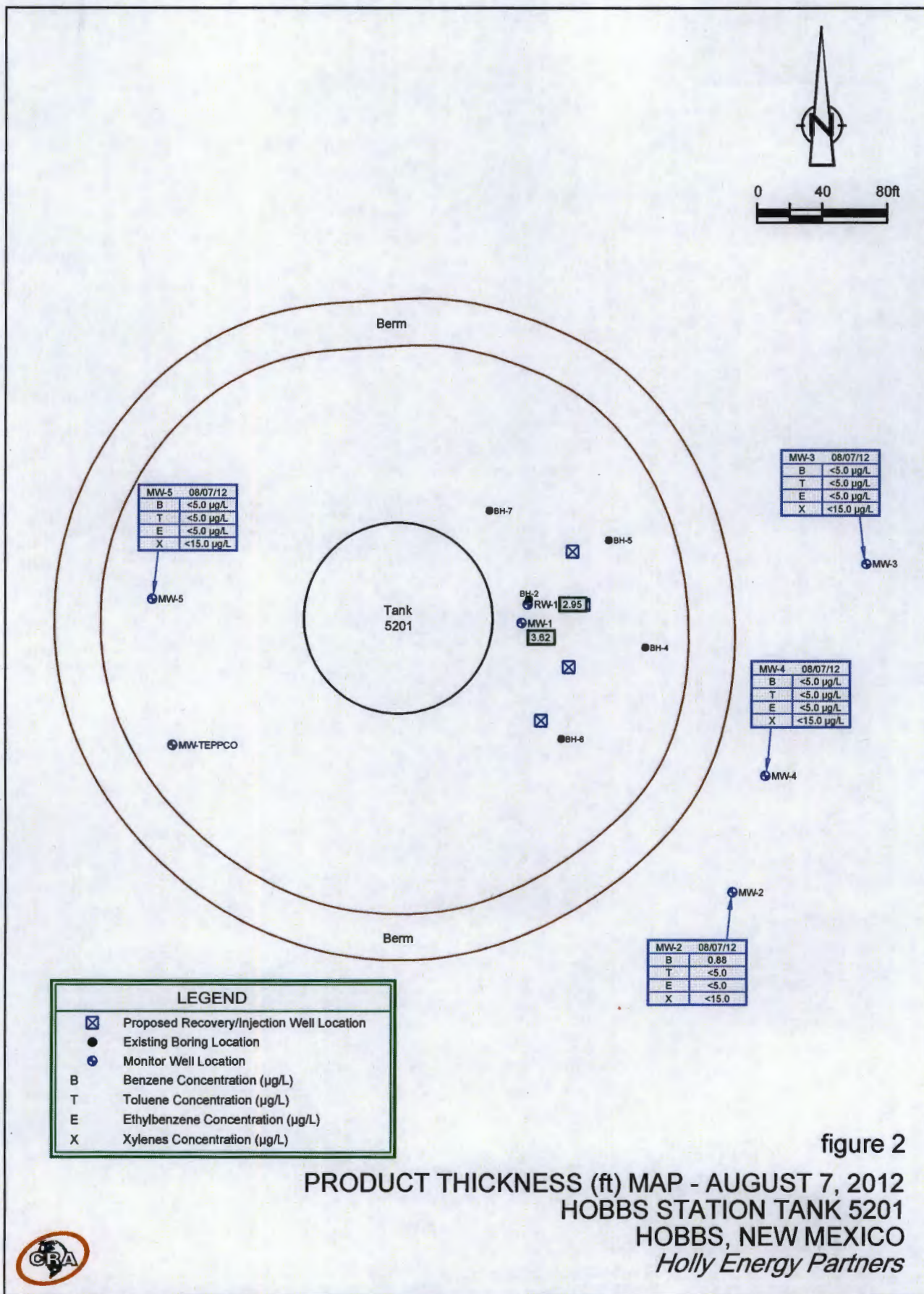
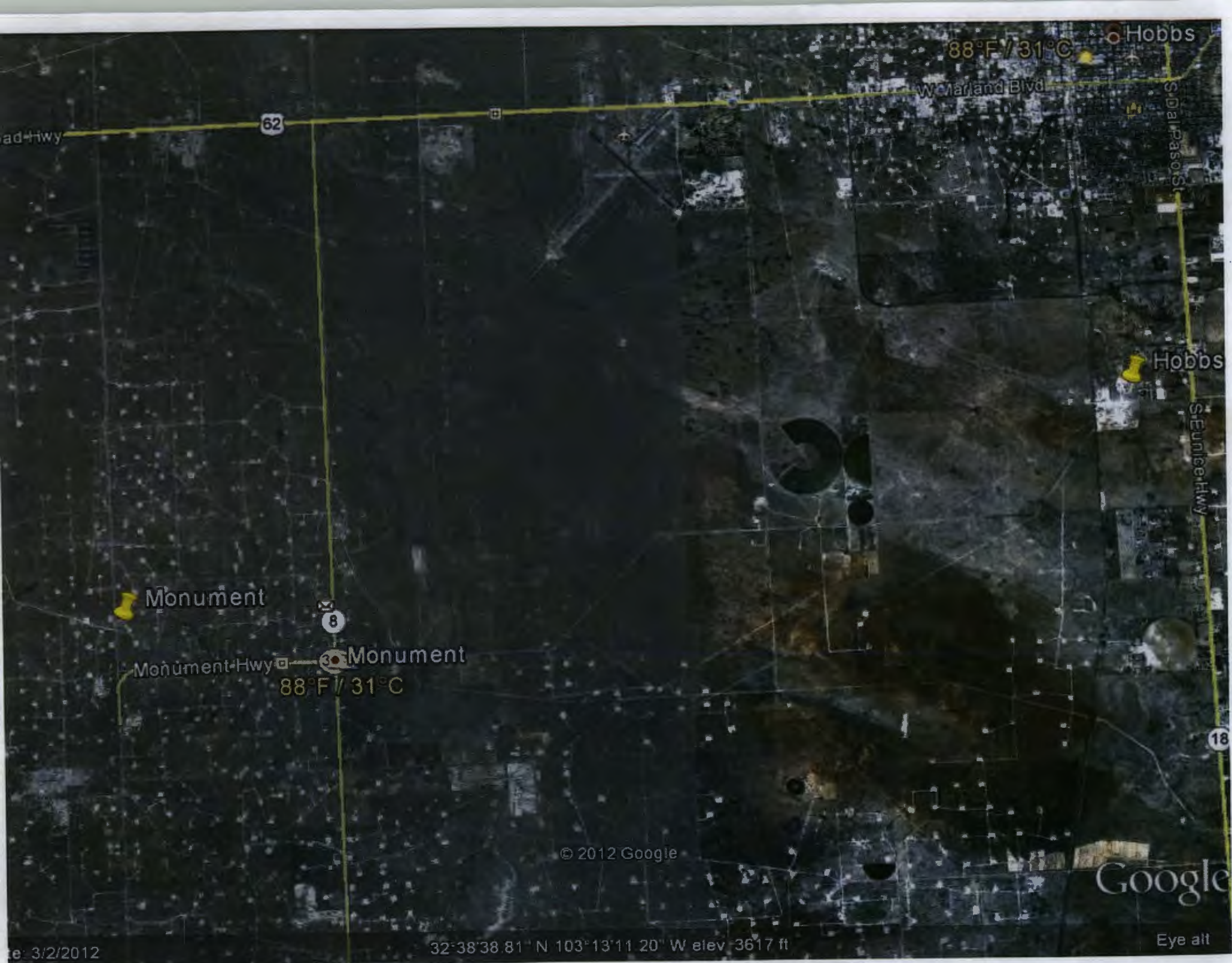


figure 2
 PRODUCT THICKNESS (ft) MAP - AUGUST 7, 2012
 HOBBS STATION TANK 5201
 HOBBS, NEW MEXICO
 Holly Energy Partners



Hobbs Tank - Holly Energy Partners

Well ID	Date	PID (ppm)	Casing Dia (in)	MP Elev (ft-msl)	DTP (ft)	DTW (ft)	Thickness (ft)	TD (ft)	Saturated (ft)	Stick up (ft) Y/N	GW Elev (ft-msl)	DTW (ft-bgs)	Well Marked Y/N	Surface Condition	Well Log Y/N
MW-1	8/7/2012	7	2		47.88	51.50	3.62	51.51	3.63	3.09		48.41	Y	Pad	N
MW-2	8/7/2012	2.9	2	3572.02		47.44		52.42	4.98	2.47	3524.58	44.97	Y	Pad	N
MW-3	8/7/2012	0	2	3572.05		47.43		53.20	5.77	2.52	3524.62	44.91	Y	Pad	N
MW-4	8/7/2012	0	2			47.44		62.58	15.14	2.45		44.99	Y	Pad	Y
MW-5	8/7/2012	0	2			48.83		58.82	9.99	3.15		45.68	Y	Pad	N
RW-1	8/7/2012	19	4	3573.66	48.06	51.01	2.95	58.19	10.13	3.08	3522.65	47.93	Y	Pad	N





08/01/2012



08/01/2012



08/01/2012



~~AP-33~~
AP-34

Monument Release

- Site is located north and east of Monument, NM on Maddox Road (Figure)
- October 2002 a release of crude oil from a leak in a 6 inch pipeline was discovered west of Maddox Road
- Soil was removed from a 600 ft section of a 2 yr old pipeline, no fluid encountered in the excavations
- Volume of crude that was released was estimated at 2,100 bbls
- The leak was found on both the east and west sides of Maddox Road
- The soil excavation encompassed an area measuring approximately 700 X 300 ft X 15 ft deep
- Geology
 - 0 - 30 ft Fill and caliche and silty sand
 - Groundwater at ~ 29 - 39 ft-bgs
- Groundwater gradient is towards the east (Figure)
- Approximately 101 product measurement and recovery wells and 5 monitoring wells are located at the site
- Dissolved hydrocarbon concentrations
 - Benzene, Toluene, Ethylbenzene, Xylenes – non detect to above standard
 - Now all below standards
 - Product thickness as high as 1.5 ft presently
- Product recovery from several 2 inch wells using total fluid pumps

Path Forward

- Well Evaluations
- Install recovery wells (figure)
- Pump from 4 inch wells using automated system (figure)
- Survey all existing and newly installed wells
- Abandon wells that are not necessary

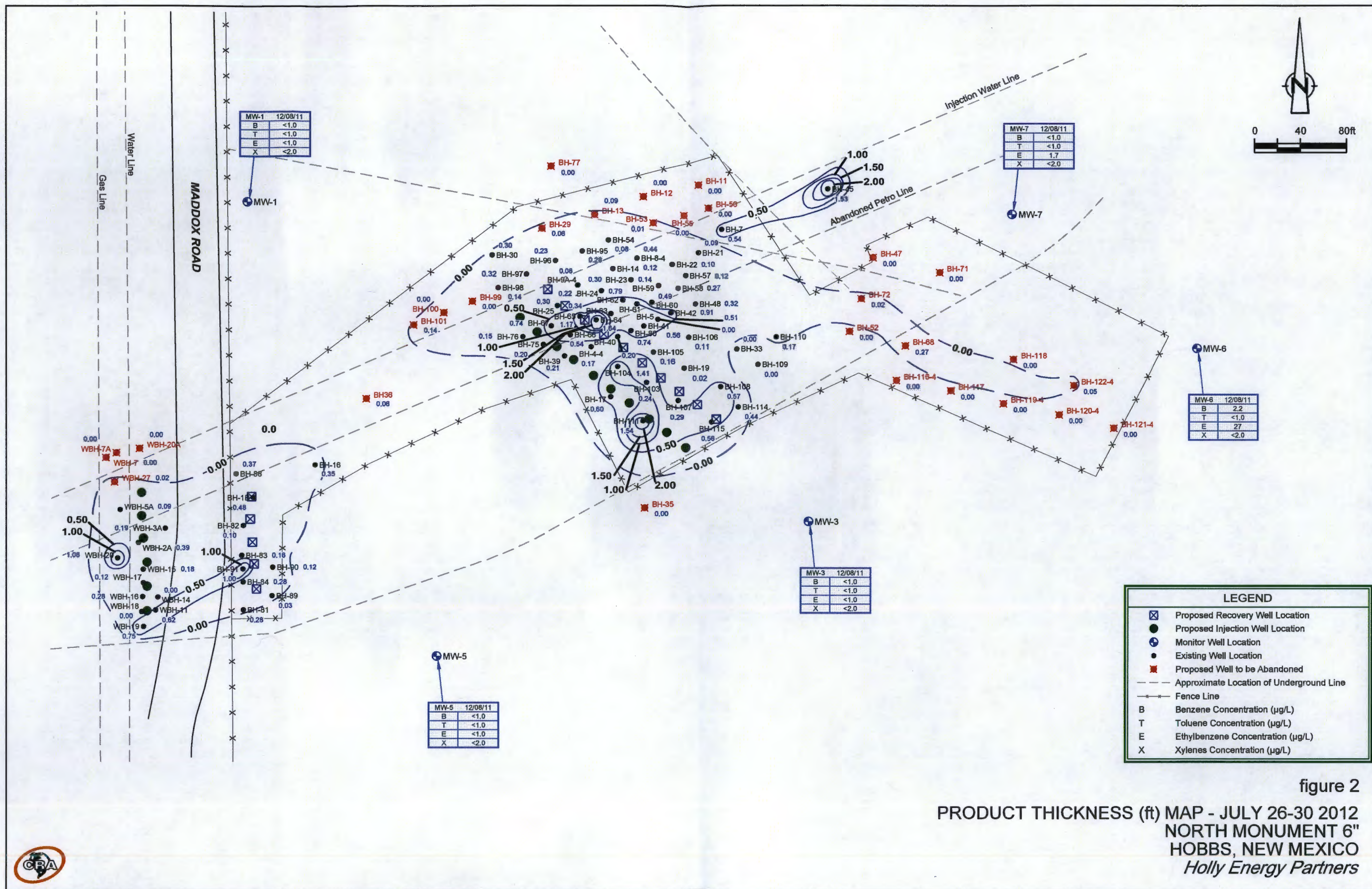


figure 2
 PRODUCT THICKNESS (ft) MAP - JULY 26-30 2012
 NORTH MONUMENT 6"
 HOBBS, NEW MEXICO
Holly Energy Partners



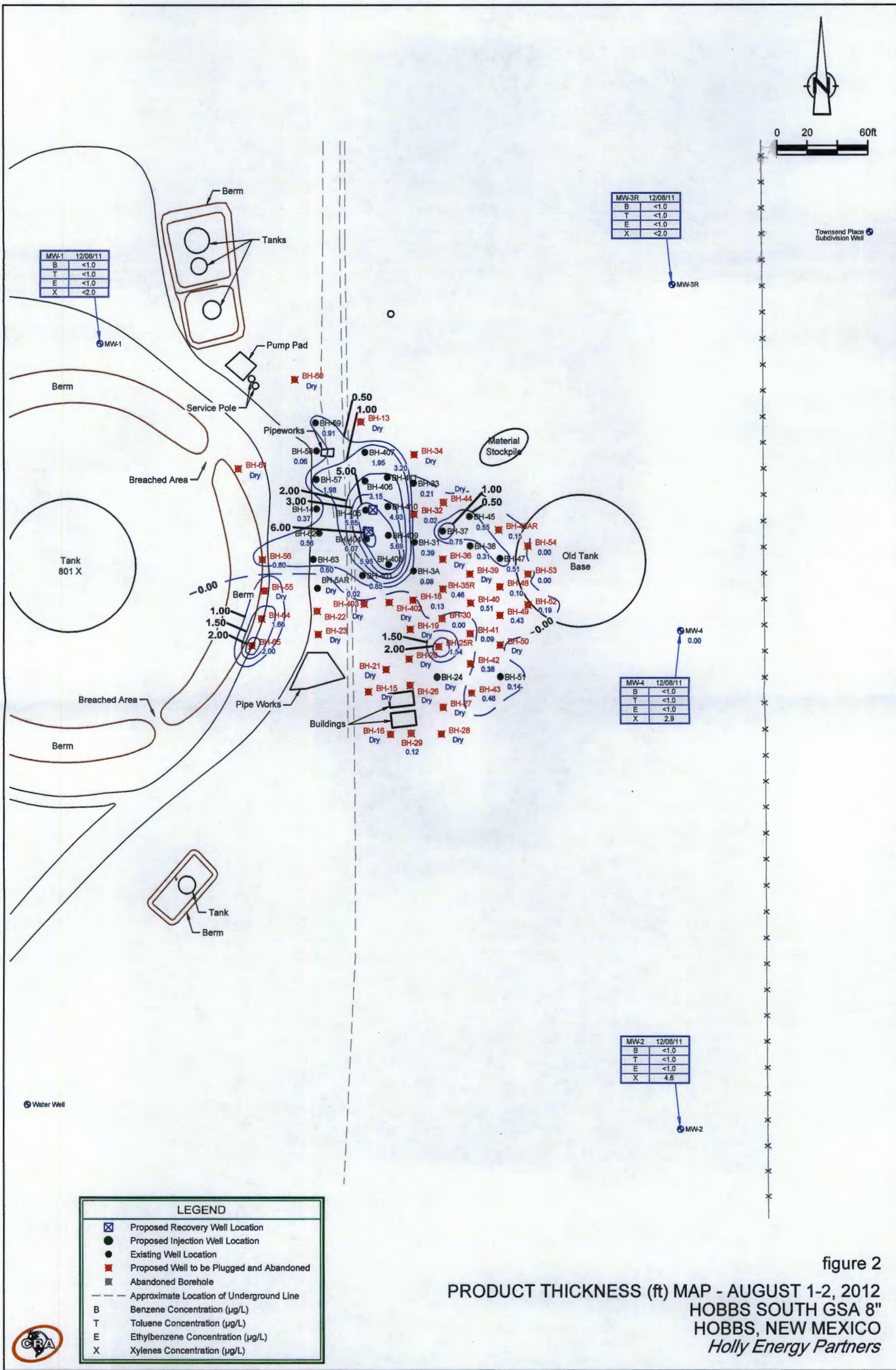


figure 2
 PRODUCT THICKNESS (ft) MAP - AUGUST 1-2, 2012
 HOBBS SOUTH GSA 8"
 HOBBS, NEW MEXICO
 Holly Energy Partners

Hobbs South GSA Well Evaluations - Holly Energy Partners

Well ID	Date	PID (ppm)	Casing Dia (in)	DTP (ft)	DTW (ft)	Thickness (ft)	TD (ft)	Saturated (ft)	Stick up (ft) Y/N	DTW (ft-bgs)	Well Marked Y/N	Surface Condition	Well Log Y/N
BH-19	8/2/2012	3	2	dry	dry		51.58	0.00	1.92		Y	No concrete collar	
BH-30	8/2/2012	99	2		52.48		52.82	0.34	1.75	50.73	Y	No concrete collar	
BH-49	8/1/2012	103.2	2	53.25	53.68	0.43	53.84	0.59	1.86	51.82	Y	No concrete collar	
BH-52	8/1/2012	0	2	51.79	51.93	0.14	52.40	0.61	1.46	50.47	Y	No concrete collar	
BH-48	8/1/2012	0	2	52.30			52.40	0.10	1.72		Y	No concrete collar	
BH-53	8/1/2012	0	2		52.99	52.99	53.40	0.41	1.77	51.22	Y	No concrete collar	
BH-54	8/1/2012	0	2		54.35	54.35	55.83	1.48	???		Y	No concrete collar	
BH-47	8/1/2012	0	2	52.99			53.50	0.51	1.64		Y	No concrete collar	
BH-46R	8/1/2012	0	4	54.99	55.14	0.15	53.20	-1.79	2.86	52.28	Y	No concrete collar	
BH-40	8/2/2012	65	2	53.32	53.83	0.51	53.93	0.61	1.92	51.91	Y	No concrete collar	
BH-39	8/2/2012	44	2	dry	dry		53.60	0.00	1.50		Y	No concrete collar	
BH-38	8/2/2012	69	2	52.92			53.23	0.31	1.70		Y	No concrete collar	
BH-45	8/2/2012	82	2	53.43	53.92	0.49	54.60	1.17	1.75	52.17	Y	No concrete collar	
BH-35R	8/2/2012	55	4	54.54	55.00	0.46	55.03	0.49	2.98	52.02	Y	No concrete collar	
BH-36	8/2/2012	71	2	dry	dry		52.00	0.00	1.58		Y	No concrete collar	
BH-37	8/2/2012	100	2	53.30			54.05	0.75	1.82		Y	No concrete collar	
BH-44	8/2/2012	47	2	dry	dry		53.21	0.00	2.00		Y	No concrete collar	
BH-18	8/2/2012	39	2	52.18			52.31	0.13	2.00		Y	No concrete collar	
BH-3A	8/2/2012	9	2	62.65			62.73	0.08	2.12		Y	No concrete collar	
BH-31	8/2/2012	50	2	53.12	53.51	0.39	53.51	0.39	1.96	51.55	Y	No concrete collar	
BH-32	8/2/2012	3	2	51.79	51.81	0.02	52.18	0.39	1.63	50.18	Y	No concrete collar	
BH-34	8/2/2012	2	2	dry	dry		50.29	0.00	1.58		Y	No concrete collar	
BH-13	8/2/2012	23	2	dry	dry		51.31	0.00	1.13		Y	No concrete collar	
BH-407	8/2/2012		4	53.61	55.56	1.95	67.51	13.90	1.88	53.69	Y	No concrete collar	
BH-411	8/2/2012	2	4	54.61	57.81	3.20	68.20	13.59	2.54	55.27	Y	No concrete collar	
BH-406	8/2/2012	41	4	53.79	56.94	3.15	65.93	12.14	2.02	54.92	Y	No concrete collar	
BH-410	8/2/2012	6	4	53.61	58.54	4.93	63.14	9.53	2.00	56.54	Y	No concrete collar	
BH-65	8/2/2012	54	2	53.36	55.36	2.00	55.56	2.20	2.29	53.07	Y	No concrete collar	
BH-64	8/2/2012	115	2	53.29	54.95	1.66	55.43	2.14	1.96	52.99	Y	No concrete collar	
BH-55	8/2/2012	115	2	dry	dry		53.10		2.04		Y	No concrete collar	
BH-56	8/2/2012	34	2	53.16	53.96	0.80	54.24	1.08	1.91	52.05	Y	No concrete collar	
BH-61	8/2/2012	59	2	dry	dry		53.30		2.00		Y	No concrete collar	
BH-23	8/2/2012	100	2	dry	dry		52.48		1.13		Y	No concrete collar	
BH-22	8/2/2012	83	2	dry	dry		53.06		1.79		Y	No concrete collar	
BH-SAR	8/2/2012	71	4	dry	dry		53.76		???		Y	No concrete collar	
BH-63	8/2/2012	62	2	53.20			54.40	1.20	2.50		Y	No concrete collar	
BH-57	8/2/2012	99	2	53.22	55.20	1.98	55.21	1.99	2.00	53.20	Y	No concrete collar	
BH-58	8/2/2012	98	2	53.90	53.96	0.06	54.10	0.20	2.00	51.96	Y	No concrete collar	
BH-59	8/2/2012	116	2	53.09			54.00	0.91	1.83		Y	No concrete collar	
BH-60	8/2/2012	17	2	dry	dry		52.99		1.50		Y	No concrete collar	
BH-62	8/2/2012	61	2	53.43	53.99	0.56	54.30	0.87	2.03	51.96	Y	No concrete collar	
BH-14	8/2/2012	26	2	53.01	53.38	0.37	53.38	0.37	2.25	51.13	Y	No concrete collar	
BH-16	8/2/2012	91	2	dry	dry		51.84		2.50		Y	No concrete collar	
BH-15	8/2/2012	34	2	dry	dry		47.70		0.00		Y	No concrete collar	Casing broke off
BH-29	8/2/2012	61	2	52.49	52.61	0.12	52.86	0.37	1.58	51.03	Y	No concrete collar	
BH-28	8/2/2012	65	2	dry	dry		51.56		1.70		Y	No concrete collar	
BH-27	8/2/2012	0.1	2	dry	dry		51.76		1.75		Y	No concrete collar	
BH-26	8/2/2012	7	2	dry	dry		41.72		1.47		Y	No concrete collar	casing crushed
BH-21	8/2/2012	4	2	dry	dry		48.80		???		Y	No concrete collar	casing off
BH-24	8/2/2012	2	2	dry	dry		38.57		1.37		Y	No concrete collar	cracked bad
BH-20	8/2/2012	42	2	dry	dry		52.41		2.21		Y	No concrete collar	
BH-43	8/1/2012	144	2	53.15	53.61	0.46	53.38	0.23	2.40	51.21	Y	No concrete collar	
BH-51	8/1/2012	2	2	51.68	51.82	0.14	51.84	0.16	1.54	50.28	Y	No concrete collar	
BH-42	8/1/2012	22	2	53.17	53.55	0.38	53.81	0.64	1.72	51.83	Y	No concrete collar	
BH-25R	8/2/2012	144	2	54.81	56.55	1.74	63.30	8.49	2.92	53.63	Y	No concrete collar	
BH-50	8/1/2012	123.2	2	52.00			53.02	1.02	2.01		Y	No concrete collar	
BH-41	8/2/2012	2	2	52.83	52.92	0.09	52.94	0.11	1.66	51.26	Y	No concrete collar	
BH-409	8/2/2012	24	4	54.41	60.10	5.69	67.02	12.61	2.75	57.35	Y	No concrete collar	
BH-408	8/2/2012	4	4	54.29	60.24	5.95	67.76	13.47	2.58	57.66	Y	No concrete collar	
BH-402	8/2/2012	72	4	dry	dry		52.62		2.83		Y	No concrete collar	
BH-403	8/2/2012	34	4	53.68	53.70	0.02	53.91	0.23	2.88	50.83	Y	No concrete collar	
BH-401	8/2/2012	67	4	55.10	55.45	0.35	64.14	9.04	3.00	52.45	Y	No concrete collar	
BH-404	8/2/2012	61	4	53.31	59.38	6.07	66.52	13.21	1.94	57.44	Y	No concrete collar	
BH-405	8/2/2012	65	4	53.53	59.38	5.85	66.11	12.58	2.08	57.30	Y	No concrete collar	
BH-33	8/2/2012	4	4	52.75			52.96	0.21	1.58		Y	No concrete collar	
MW-1	8/1/2012	0	2		52.94		64.24	11.30	2.44	50.50	Y	No concrete collar	
MW-2	8/1/2012	0	2		54.77		60.38	5.61	2.38	52.39	Y	No concrete collar	
MW-3R	8/1/2012	1	2		56.84		65.24	8.40	2.43	54.41	Y	No concrete collar	
MW-4	8/1/2012	1	2		56.14		68.18	12.04	2.86	53.28	Y	No concrete collar	



07/31/2012



08/01/2012



08/01/2012



07/31/2012



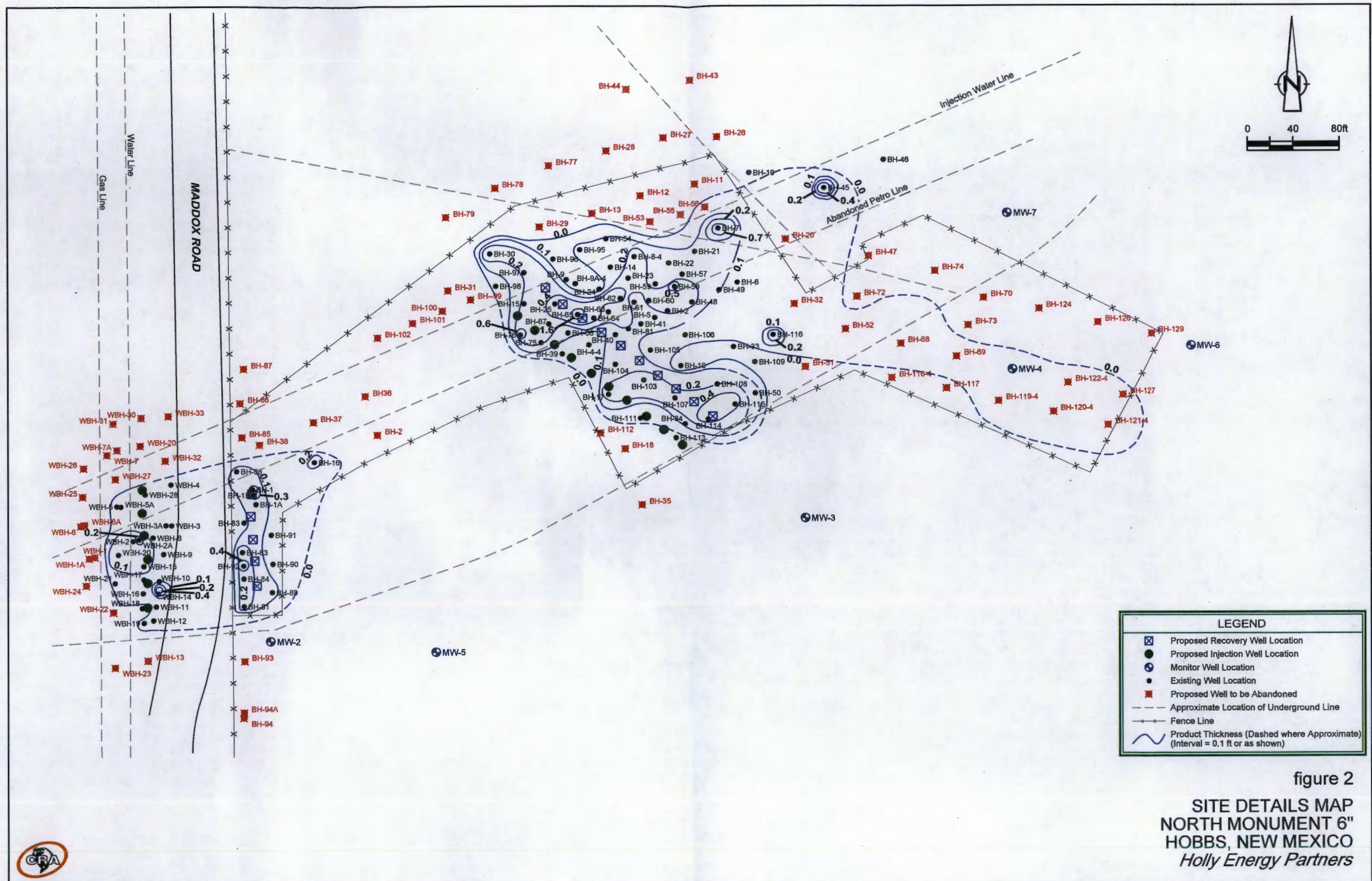
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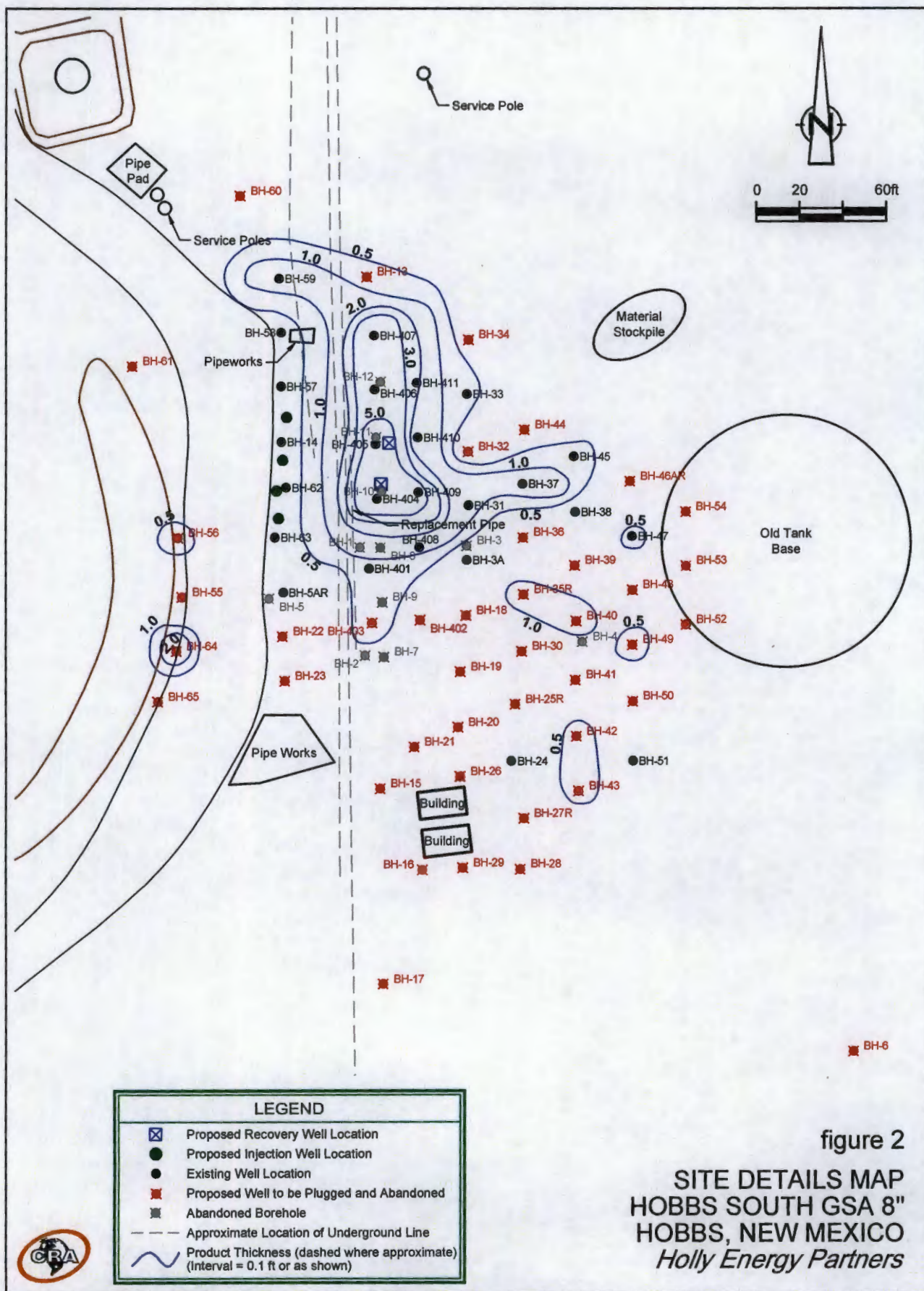


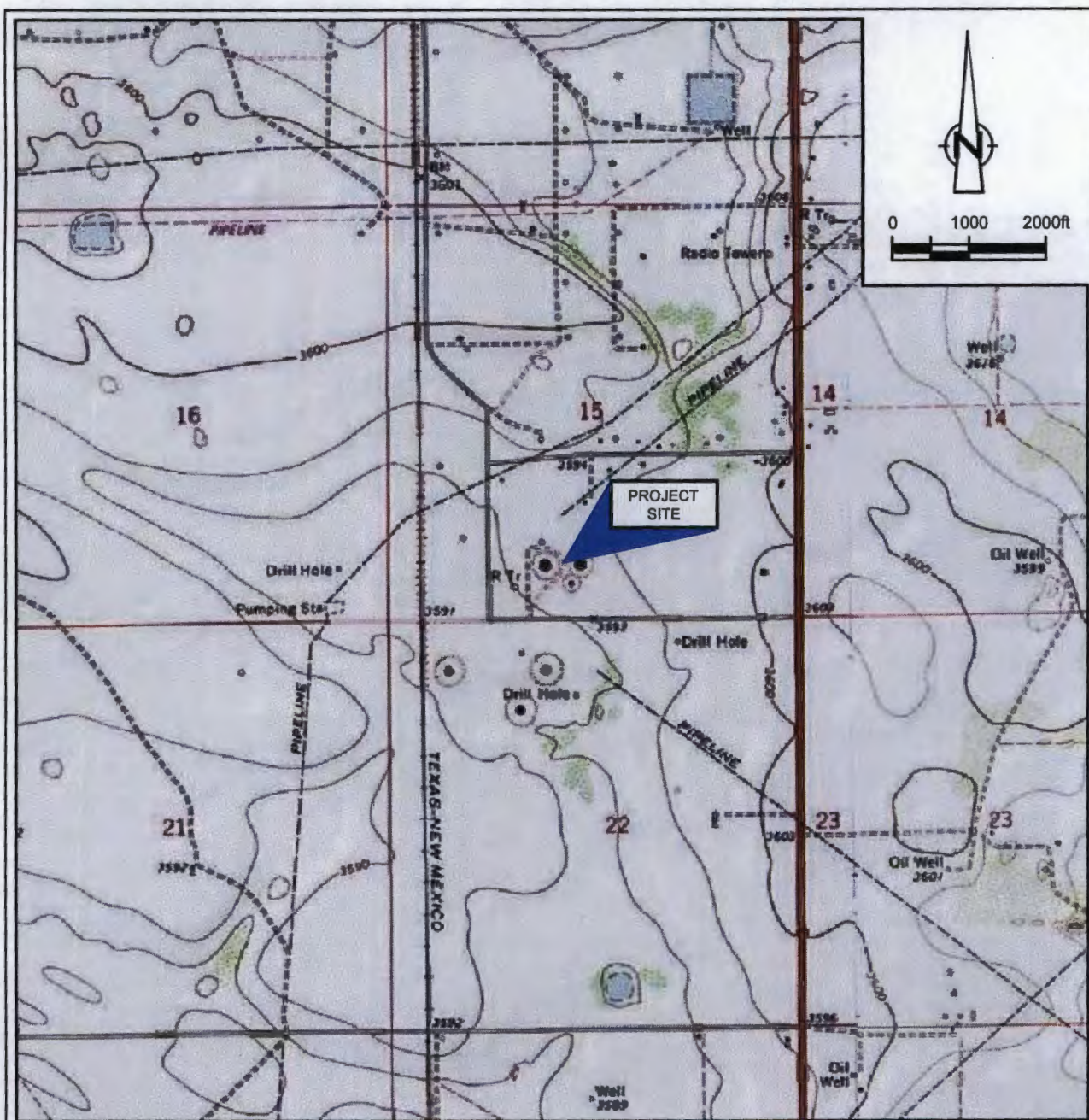
07/31/2012

Monument Well Evaluations - Holly Energy Partners

Well ID	Date	PID	Casing Dia (in)	DTP (ft-bmp)	DTW (ft-bmp)	Thickness (ft)	TD (ft-bmp)	Saturated (ft)	Stick up (ft) Y/N	Well Marked Y/N	Surface Condition	Well Log Y/N
BH-117	7/30/2012	0	4		19.15		27.72	8.57	2.55	Y	No concrete collar	
BH-119-4	7/30/2012	0	4		19.31		27.85	8.54	2.52	Y	No concrete collar	
BH-118	7/30/2012	28	4		18.50		27.68	9.18	2.54	Y	No concrete collar	
BH-122-4	7/30/2012	0	4	17.34	17.39	0.05	27.64	10.30	2.48	Y	No concrete collar	
BH-120-4	7/30/2012	31	4		18.42		30.12	11.70	1.35	Y	No concrete collar	
BH-121-4	7/30/2012	0	4		17.58		27.48	9.90	2.31	Y	No concrete collar	
BH-65	7/30/2012		2	19.85	21.02	1.17	28.24	8.39	2.76	Y	No concrete collar	
BH-64	7/30/2012		2	20.00	21.64	1.64	28.77	8.77	2.61	Y	No concrete collar	
BH-63	7/30/2012		2	19.71	20.05	0.34	28.45	8.74	2.43	Y	No concrete collar	
BH-91	7/30/2012	5	2	24.01	25.01	1.00	30.28	6.27	1.01	Y	No concrete collar	
BH-18	7/30/2012	3	2	24.53	25.01	0.48	30.41	5.88	1.52	Y	No concrete collar	
BH-66	7/30/2012		2	20.84	21.38	0.54	30.37	9.53	2.78	Y	No concrete collar	
BH-39	7/30/2012		2	20.10	20.31	0.21	29.01	8.91	1.50	Y	No concrete collar	
BH-40	7/30/2012		2	19.48	19.68	0.20	29.10	9.62	1.70	Y	No concrete collar	
BH-4-4	7/30/2012		4	18.88	19.05	0.17	25.36	6.48	0.54	Y	No concrete collar	
BH-80	7/30/2012		2	18.53	19.27	0.74	27.09	8.56	1.82	Y	No concrete collar	
BH-41	7/30/2012		2	18.90	19.46	0.56	29.50	10.60	1.61	Y	No concrete collar	
BH-48	7/30/2012		2	18.90	19.22	0.32	28.80	9.90	1.86	Y	No concrete collar	
BH-42	7/30/2012		2	19.52	20.43	0.91	29.66	10.14	2.32	Y	No concrete collar	
BH-106	7/30/2012		2	19.83	19.94	0.11	27.40	7.57	2.14	Y	No concrete collar	
BH-105	7/30/2012		2	19.73	19.89	0.16	25.85	6.12	1.53	Y	No concrete collar	
BH-104	7/30/2012		2	20.23	21.64	1.41	24.74	4.51	2.26	Y	No concrete collar	
BH-17	7/30/2012		2	21.85	22.45	0.60	27.60	5.75	2.98	Y	No concrete collar	
BH-103	7/30/2012		2	20.48	20.72	0.24	25.60	5.12	2.06	Y	No concrete collar	
BH-106	???	Repeated ??	2									
BH-33			2									
BH-110	7/30/2012		2	19.80	19.97	0.17	26.95	7.15	2.77	Y	No concrete collar	
BH-109	7/30/2012	0	2		19.87		26.84	6.97	2.42	Y	No concrete collar	
BH-115	7/30/2012		2	20.98	21.54	0.56	29.56	8.58	2.66	Y	No concrete collar	
BH-108	7/30/2012		2	20.31	20.88	0.57	26.16	5.85	2.25	Y	No concrete collar	
BH-114	7/26/2012	27.8	2	20.85	21.29	0.44	27.44	6.59	2.73	Y	No concrete collar	
BH-107	7/30/2012		2	21.21	21.50	0.29	26.77	5.56	2.41	Y	No concrete collar	
BH-103 ??			2									
BH-111	7/30/2012		2	21.36	22.90	1.54	27.14	5.78	2.56	Y	No concrete collar	
MW-6	7/26/2012	0	2		16.42		32.62	16.20	2.41	Y	Monument, good condition	
MW-3	7/26/2012	0	2		21.72		37.52	15.80	2.41	Y	Monument, good condition	
MW-5	7/26/2012	0	2		24.00		39.36	15.36	2.32	Y	Monument, good condition	
MW-1	7/26/2012	0	2		22.02		38.77	16.75	2.51	Y	Monument, good condition	
MW-7	7/26/2012	0	2		18.84		32.27	13.43	2.53	Y	Monument, good condition	







SOURCE: USGS 7.5 MINUTE QUAD
"HOBBS WEST AND HOBBS EAST, NEW MEXICO"

LAT/LONG: 32.6549° NORTH, 103.1382° WEST
COORDINATE: NAD83 DATUM, U.S. FOOT
STATE PLANE ZONE - NEW MEXICO EAST

figure 1
SITE LOCATION MAP
HOBBS STATION TANK 5201
HOBBS, NEW MEXICO
Holly Energy Partners





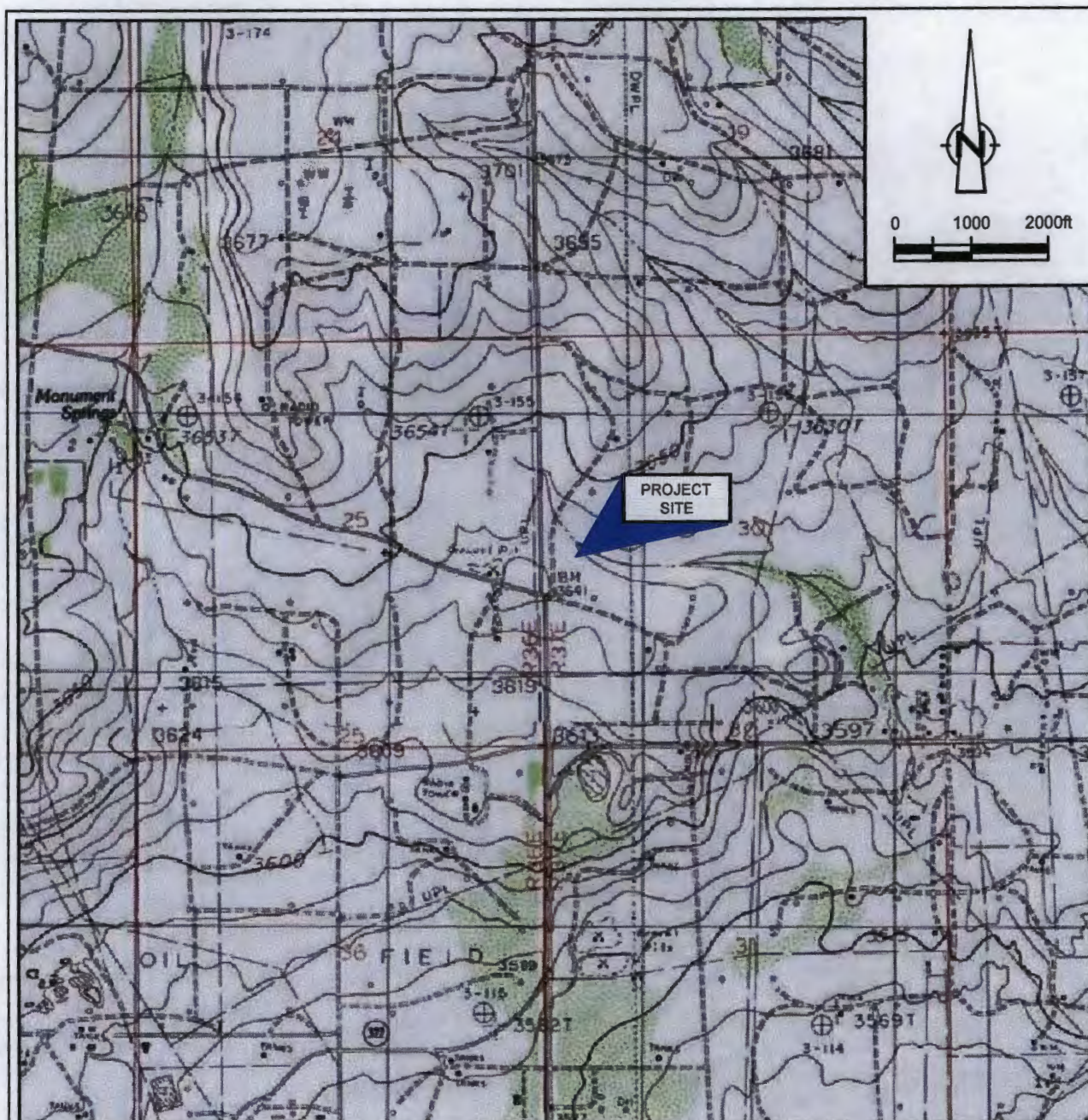
SOURCE: USGS 7.5 MINUTE QUAD
"HOBBS WEST AND HOBBS EAST, NEW MEXICO"

LAT/LONG: 32.6549° NORTH, 103.1382° WEST
COORDINATE: NAD83 DATUM, U.S. FOOT
STATE PLANE ZONE - NEW MEXICO EAST

figure 1

SITE LOCATION MAP
HOBBS SOUTH GSA 8"
HOBBS, NEW MEXICO
Holly Energy Partners





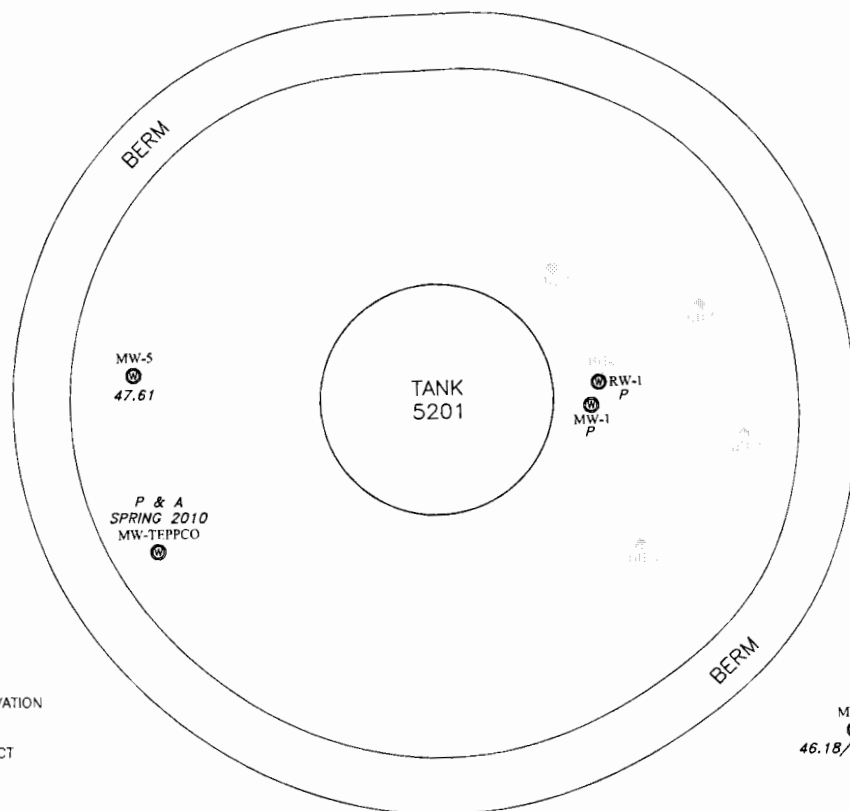
SOURCE: USGS 7.5 MINUTE QUAD
"MONUMENT NORTH, NEW MEXICO"

LAT/LONG: 32.6306° NORTH, 103.2980° WEST
COORDINATE: NAD83 DATUM, U.S. FOOT
STATE PLANE ZONE - NEW MEXICO EAST

figure 1

SITE LOCATION MAP
NORTH MONUMENT 6"
HOBBS, NEW MEXICO
Holly Energy Partners





LEGEND:

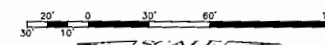
MW-2
46.18/3525.84
MONITOR WELL WITH
DEPTH TO WATER/
W/GROUNDWATER ELEVATION
(FT. ABOVE MSL)
P
HYDROCARBON PRODUCT

NOTE:

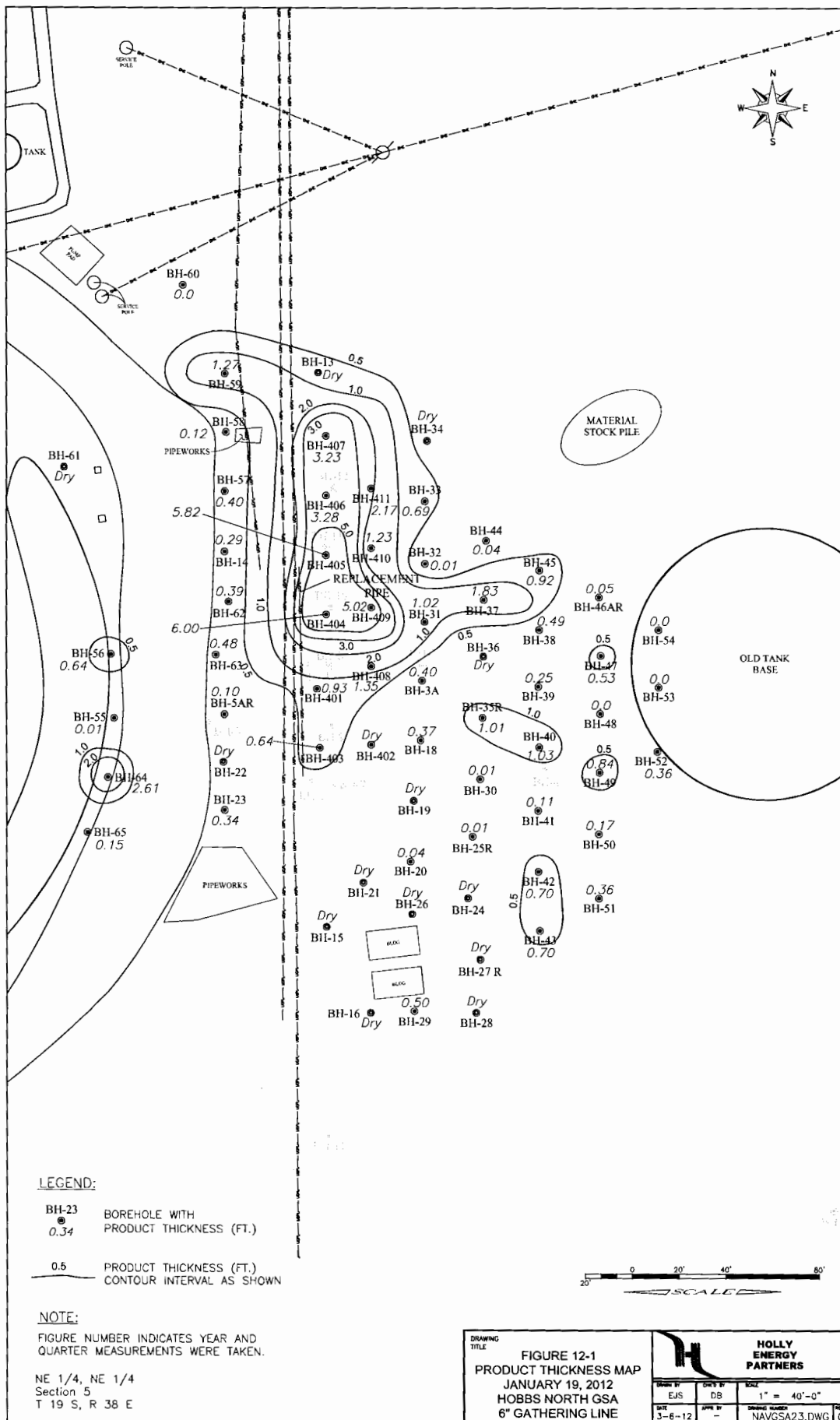
MW-4, MW-5 LOCATIONS NOT SURVEYED

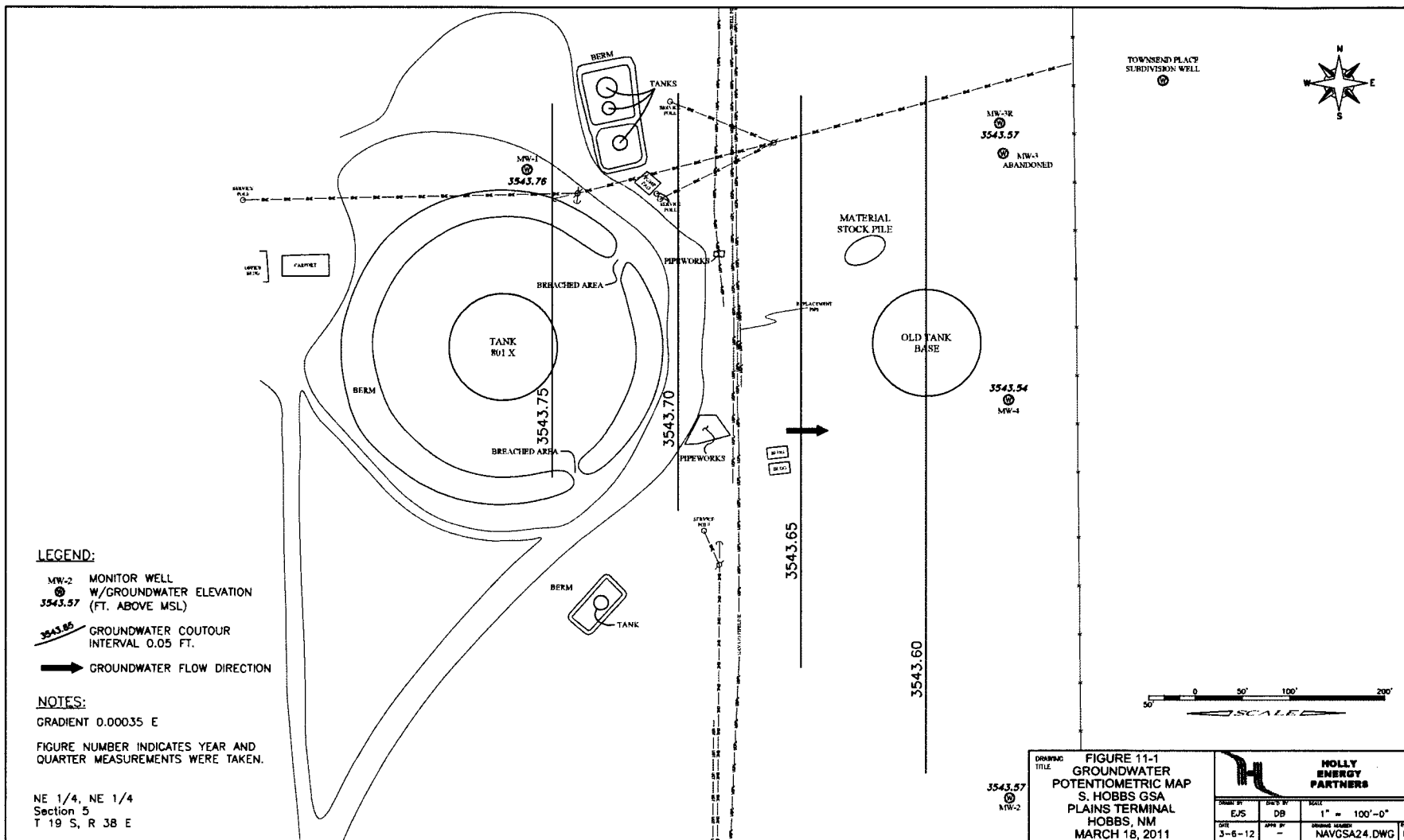
FIGURE NUMBER INDICATES YEAR AND
QUARTER MEASUREMENTS WERE TAKEN.

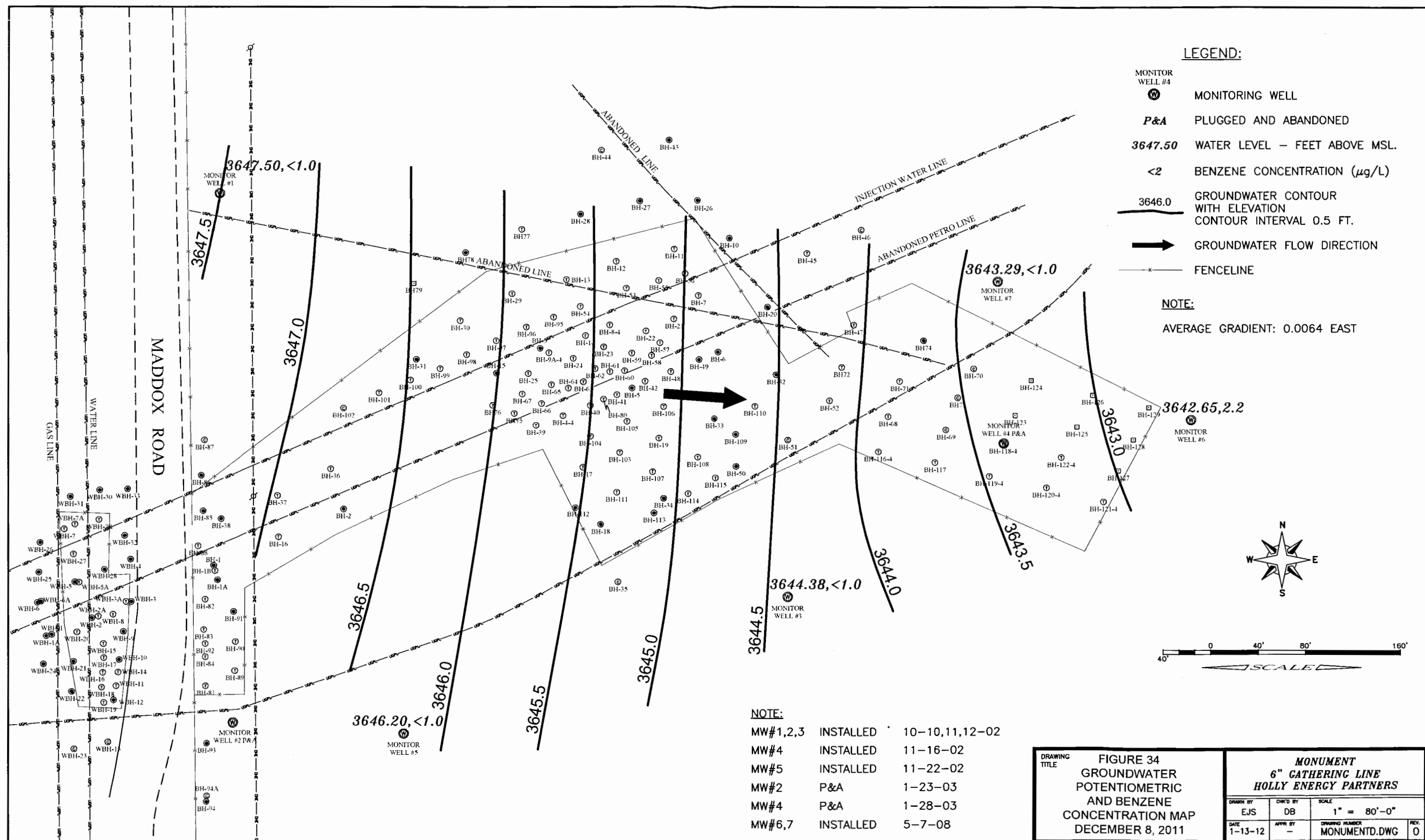
NE 1/4, NE 1/4
Section 5
T 19 S, R 38 E

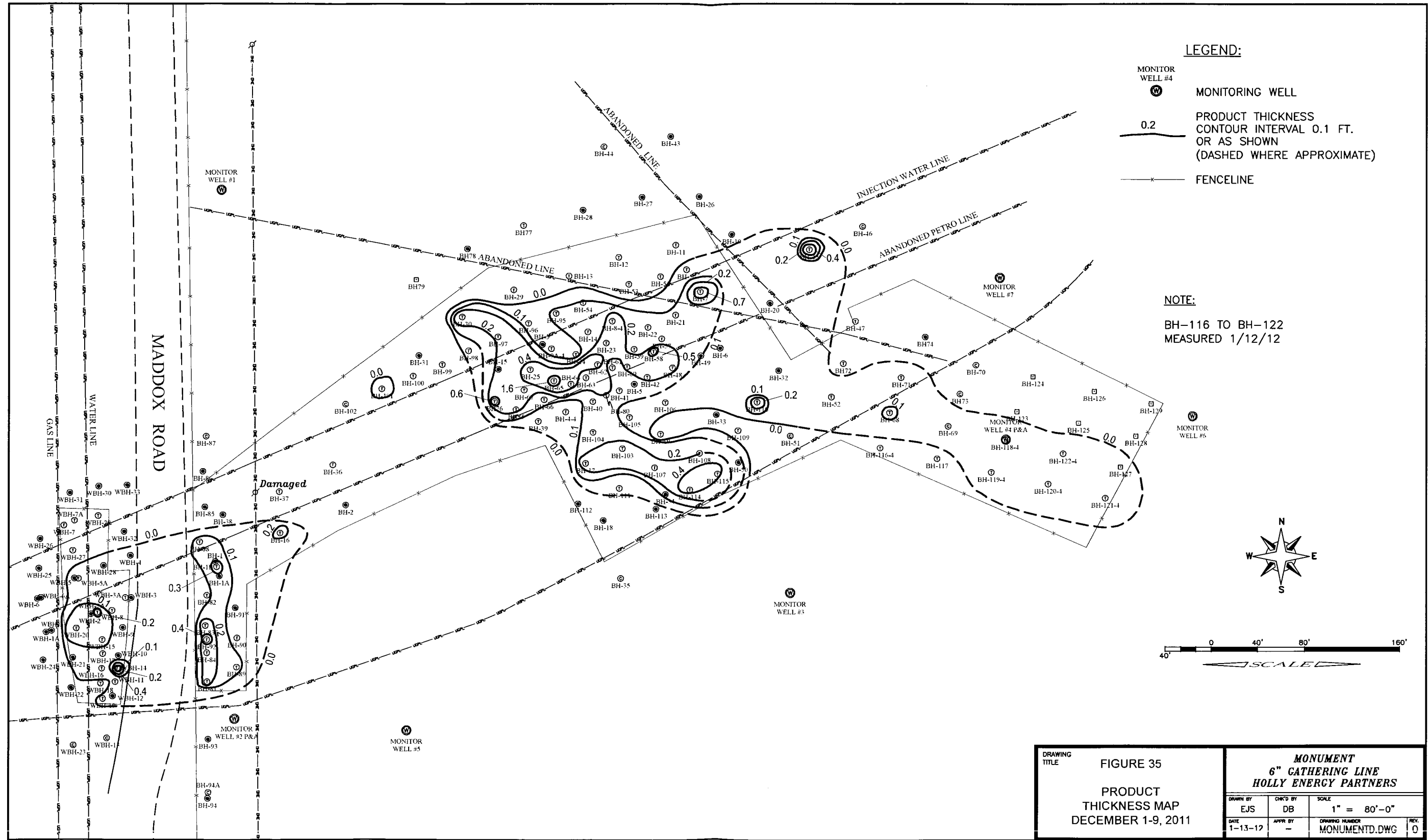


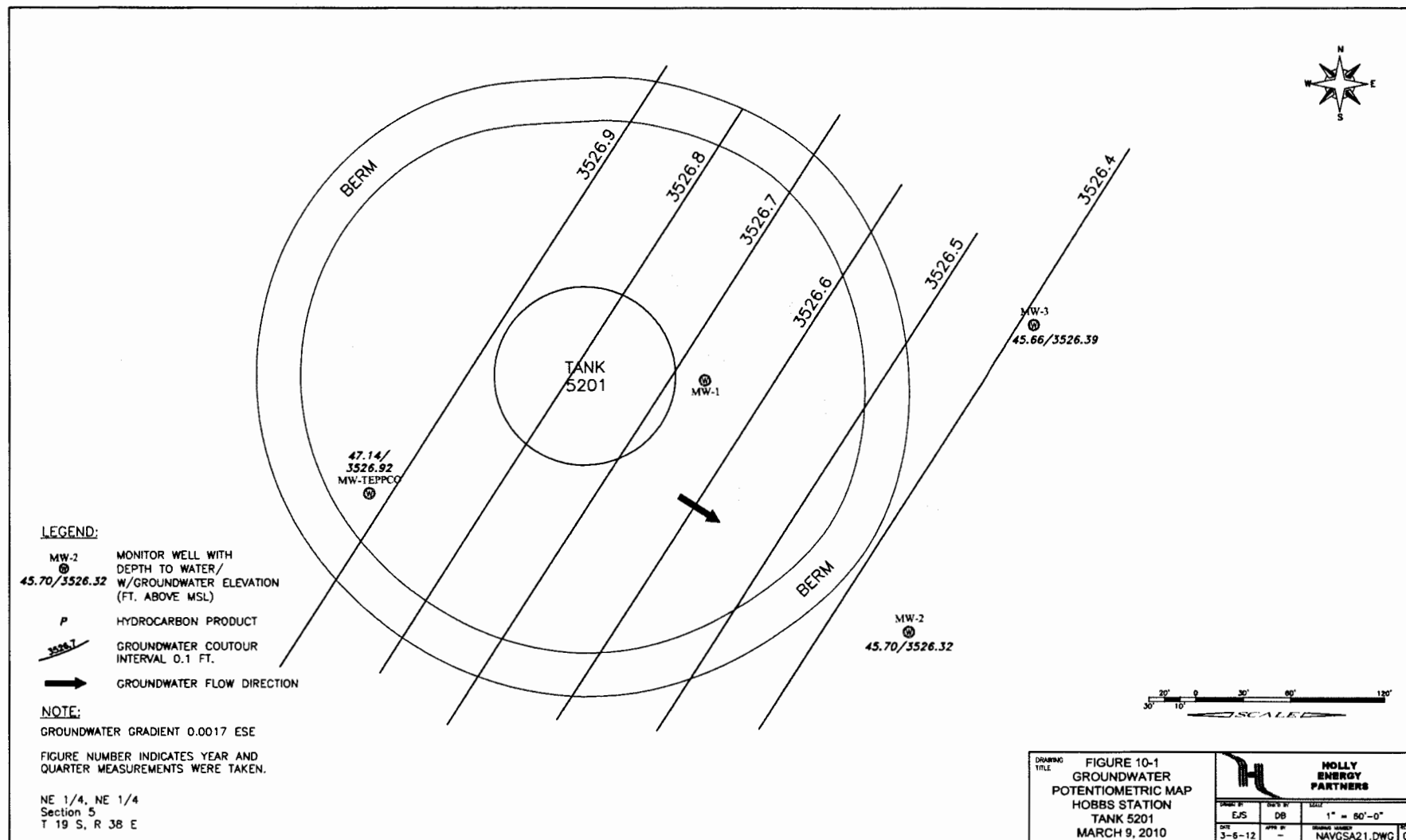
DRAWING TITLE		FIGURE 11-1 GROUNDWATER POTENTIOMETRIC MAP HOBBS STATION TANK 5201 MARCH 18, 2011		HOLLY ENERGY PARTNERS	
Drawn BY	EJS	DATE BY	DB	SCALE	1" = 60'-0"
DATE	3-6-12	APPROVED BY	—	DRAWING NUMBER	NAVGS22.DWG
					REV. 0











N/A

Hobbs Tank 5201 Release

- Site is located south of Hobbs, NM (Figure)
- July 2004 a release of crude was discovered in a 6 inch line at the unloading rack near Tank 5201
- Stained soil 4 ft x 20 ft x 18 ft deep with no fluid
- Geology
 - 0 - 10 ft Sandy clayey silt
 - 10 - 20 ft Caliche
 - 20 - 40 ft Caliche /Sandstone
 - 40 – Hard Fractured Sandstone
 - Groundwater at ~ 42 ft-bgs
- Groundwater gradient is towards the south east (Figure)
- Dissolved hydrocarbon concentrations
 - Benzene – 1.4 ppb
 - Toluene - <1.0 ppb
 - Ethylbe – 5.7 ppb
 - Xylenes – 3.6 ppb
- Product thickness in MW-1 initially ~ 6.30 ft and now 3.62 ft
- Product recovery from MW-1 a 2 inch well
- Difficulty w/ recovery due to pumping problems

Path Forward

- Further delineation of the phase separated and dissolved phase hydrocarbons in the bermed area (figure)
- Pump using automated system (figure)
- Survey all existing and newly installed wells

Hobbs South GSA Release

No AP

CONDUCE
FILES @ AP. 35

- Site is located south of Hobbs, NM (Figure)
- March 2002 a release of crude oil from an 8 inch pipeline was discovered within the terminal
- Soil was removed from two areas measuring 112 ft x 5 ft x 3 ft deep and 25 ft x 14 ft x 14 ft deep no fluid encountered in the excavations
- Geology
 - 0 - 12 ft Fill and caliche and silty sand
 - 12 - 20 ft Caliche
 - 20 - 38 ft Caliche /Sandstone
 - 38 - 50 Hard Fractured Sandstone, caliche
 - Groundwater at ~ 50 - 54 ft-bgs
- Groundwater gradient is towards the south east (Figure)
- Approximately 65 product measurement and recovery wells and 4 monitoring wells are located at the site
- Dissolved hydrocarbon concentrations
 - Benzene, Toluene, Ethylbenzene, Xylenes – non detect to below standard
 - Product thickness in wells 404 and 405 6 ft and now 6 ft
- Product recovery from several 2 and 4 inch wells
- Difficulty w/ recovery due to pumping problems

Path Forward

- Install recovery wells (figure)
- Pump from 4 inch wells using automated system (figure)
- Survey all existing and newly installed wells
- Abandon wells that are not necessary, saturated thickness in product wells is minimal less than 1 ft but monitoring wells greater than 9 ft