

10/01/2021 - A27 Pipeline Release Monthly Progress Report

(Form 19 – Spill/Release Point: 446199)

(Form 19 Document Number: 401064094 and Form 19 Supplemental: 401068217)

(Form 27: Remediation Number: 9748)

(COGCC NOAV Doc# 401105510 – “Corrective Action - Operator shall submit Supplemental Form 27 progress reports on a monthly basis due the first business day of each month beginning October 3, 2016 for one year or until REM# 9748 has been closed.”)

The following represents the status of the A27 Liquids Line Remediation Project during the month of September 2021.

- Event:
 - ~276 weeks since the A27 condition was discovered.
 - Water continues to flow in the gulch (~ 50 gpm +/-)
 - Condensate recovery has remained constant at 0 bbl/day.
 - Condensate recovery to date: 1204 bbls (0 additional gallons collected since last month's report).
- Regulatory:
 - Hunter Ridge Energy Services, LLC (HRES) submitted the last monthly progress report to COGCC on 09/01/2021.
 - HRES submitted the most recent quarterly report on 08/09/2021.
 - HRES continues to work with and provide project information to cooperating agencies.
 - HRES submitted the last monthly electronic Discharge Monitoring Report (eDMR) to CDPHE on 09/20/2021.
 - HRES submitted the last quarterly eDMR to CDPHE on 07/28/2021.
- Production:
 - No new developments.
- Water Treatment Plant:
 - The impacted water is either treated and discharged as authorized under CDPS or disposed of via a permitted injection well.
 - There were no alarms that sent the plant to bypass in September.
- Construction:
 - No new developments.
- Ecological and Remedial Assessments:
 - No new developments
 - Sediment Sampling & Remediation Plan
 - No new developments
 - Groundwater Remediation Plan:
 - HRES performed and completed monthly gauging on 09/28/2021, and quarterly sampling was completed 8/16 – 9/28/2021. Water and LNAPL levels are included as an attachment to this monthly submittal.
 - Monitoring:
 - No new developments.
 - Surface Land:
 - No new developments.

A27 CDP LIQUIDS LINE RELEASE SITE

TABLE 1

SUMMARY OF GROUNDWATER ELEVATION AND PRODUCT THICKNESS GAUGING DATA
GARFIELD AND RIO BLANCO COUNTIES, COLORADO
HUNTER RIDGE ENERGY SERVICES LLC

Wells	Ground Elev. (feet)	TOC Elev. (feet)	Date	DTW TOC (feet)	Groundwater Elev. (feet)	DTP (feet)	Product Thickness (feet)	TD TOC (feet)
MW-Crossing	7,356.74	7,358.84	2021-09-28	Dry	NA	NA	NA	22.16
MW-N01	7,402.22	7,404.48	2021-09-28	28.62	7375.86	NA	NA	36.90
MW-N02	7,482.56	7,484.32	2021-09-28	25.69	7458.63	NA	NA	31.17
MW-S01	7,495.61	7,497.67	2021-09-28	24.86	7472.81	NA	NA	36.94
MW-S01A	7,509.86	7,512.17	2021-09-28	22.39	7489.78	NA	NA	30.90
MW-S02	7,530.59	7,532.81	2021-09-28	38.83	7493.98	NA	NA	47.30
MW-S02A	7,543.35	7,545.57	2021-09-28	31.37	7514.20	NA	NA	47.40
MW-S02B	7,561.25	7,563.75	2021-09-28	25.22	7538.53	NA	NA	42.71
MW-S02E	7,536.07	7,538.59	2021-09-28	45.58	7493.01	NA	NA	50.91
MW-S02W	7,549.17	7,551.23	2021-09-28	57.33	7493.90	NA	NA	76.88
MW-S03	7,572.69	7,575.19	2021-09-28	Dry	NA	NA	NA	37.78
MW-S03A	7,589.82	7,592.32	2021-09-28	33.63	7558.69	NA	NA	41.10
MW-S03B	7,612.10	7,614.45	2021-09-28	42.77	7571.68	NA	NA	56.33
MW-S03W	7,580.98	7,582.59	2021-09-28	Dry	NA	NA	NA	NM
MW-S04	7,627.10	7,629.55	2021-09-28	25.67	7603.88	NA	NA	32.69
MW-S04A	7,631.36	7,633.81	2021-09-28	28.90	7604.91	NA	NA	52.71
MW-S04B	7,644.21	7,646.36	2021-09-28	41.42	7604.94	NA	NA	49.75
MW-S04E	7,644.10	7,646.41	2021-09-28	40.71	7605.70	NA	NA	50.40
MW-S05	7,654.73	7,657.19	2021-09-28	46.88	7610.31	NA	NA	57.11
MW-S05A	7,662.62	7,665.09	2021-09-28	39.93	7625.16	NA	NA	54.17
MW-S05E	7,659.50	7,661.93	2021-09-28	50.78	7611.15	NA	NA	60.20
MW-S06	7,671.41	7,673.92	2021-09-28	47.00	7626.92	NA	NA	52.50
MW-SW01	7,668.90	7,671.35	2021-09-28	37.59	7633.76	NA	NA	48.17
MW-07	7,597.53	7,599.91	2021-09-28	45.64	7554.27	NA	NA	60.92
MW-08	7,613.70	7,616.01	2021-09-28	52.88	7563.13	NA	NA	64.90
MW-09	7,621.21	7,623.66	2021-09-28	53.34	7570.32	NA	NA	61.76
MW-10	7,638.98	7,641.36	2021-09-28	40.20	7601.16	NA	NA	72.19
MW-11	7,573.99	7,576.44	2021-09-28	33.40	7543.04	NA	NA	44.67
MW-12	7,574.63	7,576.89	2021-09-28	33.88	7543.01	NA	NA	43.94
MW-13	7,592.41	7,594.87	2021-09-28	37.74	7557.13	NA	NA	51.01
MW-14	7,596.57	7,599.14	2021-09-28	40.41	7558.73	NA	NA	63.24
MW-15	7,608.35	7,610.67	2021-09-28	37.60	7573.07	NA	NA	61.39
MW-16	7,615.03	7,617.79	2021-09-28	44.73	7573.06	NA	NA	60.94
MW-17	7,614.49	7,616.85	2021-09-28	43.57	7573.28	NA	NA	68.76
MW-18	7,621.02	7,623.70	2021-09-28	50.49	7573.21	NA	NA	62.01
MW-19	7,626.30	7,628.83	2021-09-28	24.73	7604.10	NA	NA	47.77
MW-20	7,630.99	7,633.31	2021-09-28	30.08	7603.23	NA	NA	42.70
MW-21	7,631.73	7,634.63	2021-09-28	28.52	7606.11	NA	NA	54.56
MW-22	7,633.11	7,635.68	2021-09-28	30.85	7604.83	NA	NA	47.71
MW-23	7,640.62	7,643.42	2021-09-28	38.11	7605.31	NA	NA	54.92
MW-24	7,643.20	7,645.78	2021-09-28	38.89	7606.89	NA	NA	45.15
MW-25	7,649.13	7,651.86	2021-09-28	44.66	7607.20	NA	NA	57.45
MW-26	7,651.25	7,653.86	2021-09-28	40.30	7613.56	NA	NA	59.06
MW-27	7,451.6	7,454.68	2021-09-28	29.49	7425.19	NA	NA	44.52
MW-28	7,438.8	7,441.89	2021-09-28	31.03	7410.86	NA	NA	44.80
MW-29	7,247.02	7,250.32	2021-09-28	74.44	7175.88	NA	NA	NM
MW-30	7,495.90	7,498.70	2021-09-28	28.23	7470.47	NA	NA	44.95
MW-31	7,499.19	7,501.87	2021-09-28	36.14	7465.73	NA	NA	41.50
MW-32	7,514.40	7,516.78	2021-09-28	33.42	7483.36	NA	NA	46.49
MW-33	7,499.16	7,501.68	2021-09-28	37.44	7464.24	NA	NA	45.38
MW-34	7,538.09	7,540.46	2021-09-28	24.58	7515.88	NA	NA	37.23
MW-35	7,555.65	7,558.07	2021-09-28	16.59	7541.48	NA	NA	31.32
MW-36	7,582.39	7,584.80	2021-09-28	25.40	7559.40	NA	NA	38.08
MW-37	7,612.85	7,615.14	2021-09-28	10.92	7604.22	NA	NA	22.46
MW-38	7,626.17	7,628.44	2021-09-28	23.60	7604.84	NA	NA	33.78
MW-39	7,645.83	7,648.34	2021-09-28	26.43	7621.91	NA	NA	37.84
MW-40	7,671.07	7,673.51	2021-09-28	49.02	7624.49	NA	NA	58.88
MW-41	7,669.13	7,671.52	2021-09-28	25.55	7645.97	NA	NA	46.04
MW-42	7,673.50	7,675.28	2021-09-28	28.01	7647.27	NA	NA	42.83
MW-43	7,672.08	7,674.47	2021-09-28	47.22	7627.25	NA	NA	55.71
MW-44	7,674.47	7,676.96	2021-09-28	53.98	7622.98	NA	NA	56.87

Notes:

DTW - Depth to Water
DTP - Depth to Product
TOC - Top of Casing
NA - No Free Product Measured in Well
NM - Not Measured