

**Western Refining Southwest LLC**

A subsidiary of Marathon Petroleum Corporation

I-40 Exit 39
Jamestown, NM 87347

October 27, 2021

Mr. Kevin Pierard, Chief
New Mexico Environment Department
Hazardous Waste Bureau
2905 Rodeo Park Drive East, Building 1
Santa Fe, NM 87505

RE: Hydrocarbon Seep Interim Measures 2021 Third Quarter Status Report
Marathon Gallup Refinery
(dba Western Refining Southwest LLC)
EPA ID# NMD000333211

Dear Mr. Pierard,

Please find enclosed the Hydrocarbon Seep Interim Measures Status Report for the third quarter of 2021 for the Marathon Gallup Refinery (MGR). MGR has included the response to NMED's, *Approval with Modifications, Hydrocarbon Seep Interim Measures 2021 Second Quarter Status Report*, dated September 14, 2021, in Attachment A. If you have any questions or comments regarding the information contained herein, please do not hesitate to contact John Moore at (505) 879-7643.

Certification

I certify under penalty of law that this document and all attachments were prepared under my direction of supervision according to a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Sincerely,
Western Refining Southwest LLC, Marathon Gallup Refinery

Ruth A. Cade

Ruth Cade
Vice-President

Enclosure

cc:	D. Cobrain, NMED HWB	M. Suzuki, NMED HWB
	T. McDill, OCD	M. Bracey, MPC
	K. Luka, MPC	J. Moore, Gallup Refinery
	H. Jones, Trihydro Corporation	

**QUARTERLY STATUS REPORT
HYDROCARBON SEEP INTERIM MEASURES
MARATHON GALLUP REFINERY
3rd Quarter 2021**

This document provides the 3rd Quarter 2021 Status Report for Interim Measures (IM) activities associated with the Hydrocarbon Seep Area at Marathon Gallup Refinery (MGR), Gallup, New Mexico. Presented below are summaries of specific activities related to source control of the Hydrocarbon Seep Area, monthly fluid levels readings, and withdrawal of separate phase hydrocarbon (SPH) and associated groundwater. This document presents fluid recovery information from the marketing tank farm (MKTF) wells in the area of the truck loading rack release as well as summaries of recovery efforts in the area of the newly installed Borrow Pit Sumps.

Hydrocarbon Seep Source Control

The refinery has remained in indefinite idle status since April 2020. Refinery resources and personnel were operating at a reduced capacity and have focused on facility maintenance during the 3rd quarter. Activities and observations of note for the Hydrocarbon Seep Area include:

- There were 14,100 gallons (gals) of water and no SPH recovered from the standpipe sumps (S1 – S6) during the 3rd quarter.
- There was no recovery from the retention ditch during this quarter because there was no standing water.

The Hydrocarbon Seep Area is shown on Figure 1. Standpipe and retention ditch data are presented in Tables 1A and 1B. There was a decreasing trend in fluid levels in the MKTF wells upgradient and in the vicinity of the Hydrocarbon Seep Area. All fluid levels in the area decreased with the exception of MKTF-22, MKTF-33, and MKTF-45, which increased 0.54 feet (ft), 0.33 ft, and 1.6 ft respectively. Fluid levels in the area upgradient of the Hydrocarbon Seep Area decreased 1.22 ft or less when compared to 2nd quarter fluid levels. MKTF-29 decreased 4.93 ft and is downgradient of the Hydrocarbon Seep Area.

MKTF-49 first presented with SPH in June 2021. Field observations of the SPH in MKTF-49 are a brownish yellow fluid with a hydrocarbon odor. MKTF-49 is located between Tanks 101 and 102. Tanks 101 and 102 were used for crude oil storage but were taken out of service and cleaned during the 1st quarter of 2021.

Monthly Fluid Levels

Monthly fluid level data are found in Tables 2A and 2B. Despite monthly fluid extraction and the idling of the refinery, fluid levels in the MKTF area have shown no significant changes from last quarter. While there is a general trend in decreasing groundwater levels, the levels are consistent with 3rd quarter 2020, indicating that groundwater levels continue to rise and fall seasonally without substantial change from the months prior to the refinery being placed in idle status. Fluid levels outside of the MKTF area also follow this trend. One well, MKTF-20, was dry after containing water the previous quarter; however, this well has exhibited dry conditions intermittently in the past.

A memorandum detailing the findings of the PW-3 evaluation was submitted to NMED of September 24, 2021. MGR has concluded the evaluation of PW-3 and determined that the well casing survey and geophysical data indicate PW-3 casing has not been compromised and that it is not contributing to groundwater volumes in the area.

Fluids Recovery

Fluid recovery in MKTF wells upgradient of the Hydrocarbon Seep Area, with recoverable SPH, continued during the 3rd Quarter of 2021 using a vacuum truck. A total of 233 gals of water and 55 gals of SPH were extracted in the 3rd Quarter. The SPH extraction data are shown in Tables 3A through 3F. As requested in Comment 2 in NMED's *Approval with Modifications Hydrocarbon Seep Interim Measures 2020 Fourth Quarter Status Report*, dated March 30, 2021, fluid levels are taken 24 hours after vacuum truck extractions and are presented in Tables 3A through 3E.

In comment 5, *Approval with Modifications Hydrocarbon Seep Interim Measures 2021 Second Quarter Status Report*, NMED noted a discrepancy in fluid type indicated in MKTF-20 from the monthly fluid levels and the vacuum truck extraction. The discrepancy may be explained by equipment error. The product that is sometimes present in MKTF-20 is a thick, dark, viscous fluid. The vacuum truck operator's interface probe may have been saturated with this fluid and unable to read the transition to water. To avoid inconsistencies in the future, the same interface probe will be used to monitor monthly fluid levels and vacuum truck volumes. The probe that was used by the vacuum truck operator will be sent for servicing to address any potential equipment issue.

Surface Observations

Pursuant to NMED's letter on March 5, 2019, the Hydrocarbon Seep Area is routinely monitored to evaluate the discharge of hydrocarbons to the land surface where shallow water discharges within the retention ditch and to the south near the original seep location have been observed. The measurable amount of SPH discharging into the retention ditch has essentially stopped. MGR will continue to monitor the area and if substantial fluid returns, it will be recovered.

Borrow Pit Activities

Five sumps and two piezometers were installed in the Borrow Pit west of the Truck Loading Rack after a gasoline seep was found in the area (Figure 2). Fluid recovery from the sumps began on May 10, 2021, via vacuum truck and continues to be performed four days a week, weather permitting. A total of 992 gals of SPH were recovered in the 3rd Quarter.

During the Sitewide Laser Induced Fluorescence (LIF) Investigation performed during the 2nd Quarter, additional LIF borings were installed in the Borrow Pit area to further delineate the gasoline plume to the west toward the 90-day pad. Results from the Sitewide LIF Investigation will be submitted in a report to NMED. As requested by NMED in comment 5 from *Disapproval Marketing Tank Farm Laser-Induced Fluorescence/Hydraulic Profiling Investigation Report*, dated June 2, 2021, the water seep near the 90-day pad will be monitored monthly for indications of SPH (Figure 2). The water seep area was inspected each month in the 3rd quarter and was found to be dry with no evidence of SPH.

Sanitary Lagoon Investigation

The Sanitary Lagoon Investigation Phase II was complete on September 19th, 2021 (Figure 3). The investigation report will be complete and submitted to NMED by December 31, 2021.

Hydrocarbon Seep Area Wells - In the Hydrocarbon Seep Area, the replacement wells for MKTF-1, MKTF-2, MKTF-4, MKTF-17, and MKTF-18 were installed in July and August 2021 (Figure 4). The replaced wells were installed adjacent to the original wells and have appropriately screened intervals that will provide a more accurate representation of SPH plume delineation. The existing wells were plugged and abandoned prior to receiving comment 3, *Approval with Modifications Hydrocarbon Seep Interim Measures 2021 Second Quarter Status Report*, which requested that the original wells not be plugged and abandoned. The locations of the new monitoring wells, MKTF-01R, MKTF-02R, MKTF-04R, MKTF-17R, and MKTF-18R, are shown on Figure 3.

A sentinel well was planned to be installed west of the Borrow Pit sumps in the 3rd quarter. MGR agreed with NMED's comment 5 from *Approval with Modifications Hydrocarbon Seep Interim Measures First Quarter Status Report*, stating that MKTF-32, located west of the borrow pit and could serve as a sentinel well for the Borrow Pit seep area (Figure 2). The proposed sentinel well was not installed. Additionally, there are two piezometers, PZ-1 and PZ-2, located near the originally proposed location for the sentinel well. These will also serve to monitor SPH migration to the west. To date, no SPH has been detected in the piezometers.

4th Quarter 2021 IM Activities

Following is a list of activities that are associated with ongoing IM activities to be completed in the 4th Quarter 2021.

Monitoring - Monthly groundwater gauging will continue through 2021. The water seep near the 90-day pad will be monitored for SPH monthly.

Source Control - MGR will continue recovery operations at the standpipe sumps and the retention ditch using a vacuum truck to pump SPH and water from each of the sumps and the downstream retention ditch (when water is present in the retention ditch). The fluid volumes in the standpipe sumps and retention ditch will continue to be monitored and recovery efforts will be adjusted as necessary.

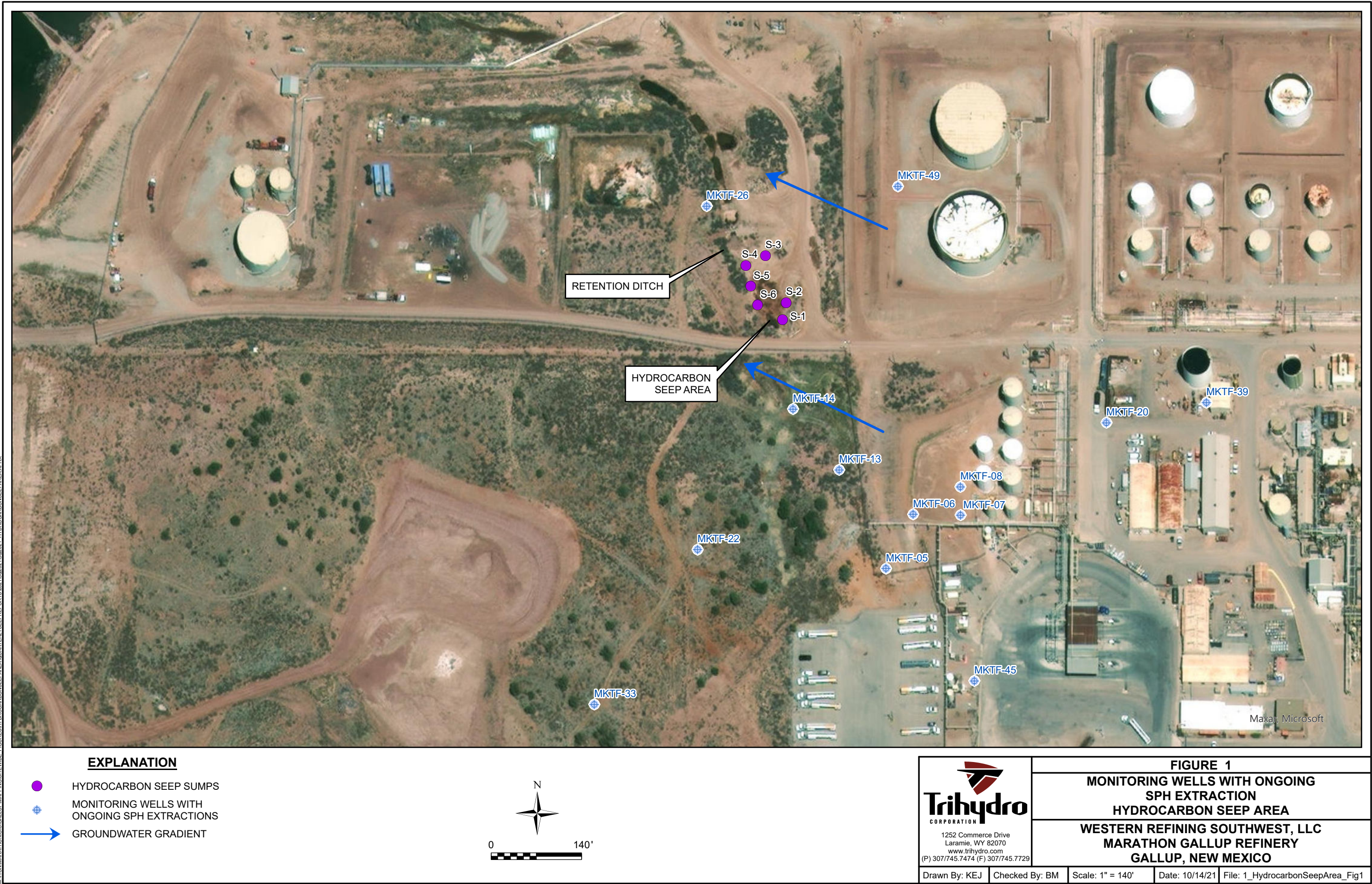
Recovery operations will continue in the borrow pit sumps at a rate of four times per week (weather permitting).

Investigations – The following investigative activities that pertain to seeps and releases at the Gallup Refinery are scheduled for the 4th Quarter 2021.

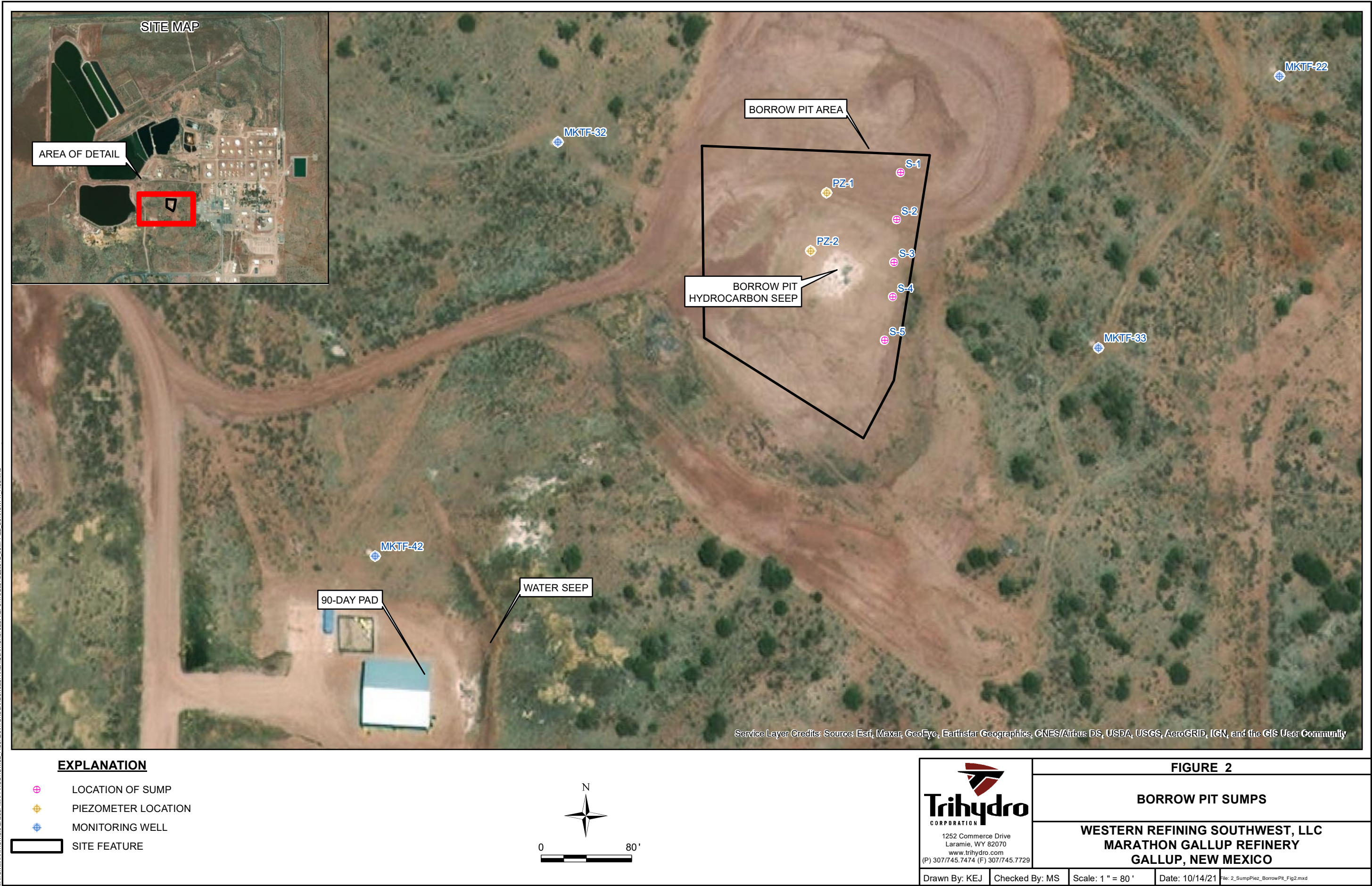
- **Sour Naphtha Investigation** - The Sour Naphtha Investigation Work Plan (IWP) was submitted to NMED on September 28, 2021, to investigate the extent of impacts from the March 26, 2017, sour naphtha release. The proposed investigation will include collection of 11 surface and 11 subsurface samples. The investigation will be completed within 60 days after receiving NMED approval.
- **AOC 35** - An IWP for Area of Concern (AOC) 35, which includes the area around the Marketing Tanks and the Truck Loading Racks, was approved with modifications on September 12, 2019. However, this investigation was postponed for revision due to the gasoline leak in the Truck

Loading area found on October 27, 2019. The revised AOC 35 IWP was submitted to NMED on September 1, 2021. The investigation will be completed within 60 days after receiving NMED approval.

FIGURES



\\AT\WORKING\GIS\GALLUP\MAPPING\SITEWIDE FIGURES\HYDROCARBONSEEP\AREAQUARTERLYSEEPREPORTS\2021\SD202112_SUMPPIEZ_BORROWPIT_FIG2.MXD

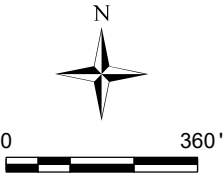






EXPLANATION

- EXISTING MONITORING WELL LOCATION
- REPLACEMENT MONITORING WELL LOCATION





1252 Commerce Drive
Laramie, WY 82070
www.trihydro.com
(P) 307/745.7474 (F) 307/745.7729

Drawn By: KEJ Checked By: CF Scale: 1" = 360' Date: 10/14/21 File: 4_ReplacementWell_2021_Fig4.mxd

FIGURE 4

REPLACEMENT WELL LOCATIONS

WESTERN REFINING SOUTHWEST, LLC
MARATHON GALLUP REFINERY
GALLUP, NEW MEXICO

\\AT\N\MARATHON\GIS\GALLUP\MAPS\FIG4\MAPPING\SITEWIDE_FIGURES\HYDROCARBONSEEPAREA\QUARTERLYSEEPREPORTS\2021\202114_REPLACEMENTWELL_2021_FIG4.MXD

TABLES

**TABLE 1A. STANDPIPE RECOVERY RECORDS
MARATHON GALLUP REFINERY
GALLUP, NEW MEXICO**

DATE	hydrocarbon recovered (gallons)	water pumped (gallons)	total fluid pumped (gallons)
2013 Totals	2,762	115,935	118,697
2014 Totals	2,108	242,182	244,290
2015 Totals	1,071	188,634	189,707
2016 Totals	8,668	357,619	366,287
2017 Totals	4,238	365,712	369,950
2018 Totals	162	279,538	279,700
2019 Totals	-	158,943	158,943
1st Quarter 2020 Totals	-	-	-
4/1/2021	-	3,000	3,000
2nd Quarter 2020 Totals	-	3,000	3,000
3rd Quarter 2020 Totals	-	-	-
12/15/2020	-	4,500	4,500
4th Quarter 2020 Totals	-	4,500	4,500
1/28/2021	-	4,500	4,500
2/22/2021	-	4,500	4,500
3/31/2021	-	4,000	4,000
1st Quarter 2021 Totals	-	13,000	13,000
4/22/2021	-	5,400	5,400
5/12/2021	-	4,800	4,800
6/7/2021	-	4,500	4,500
2nd Quarter 2021 Totals	-	14,700	14,700
7/13/2021	-	4,500	4,500
8/5/2021	-	4,800	4,800
9/13/2021	-	4,800	4,800
3rd Quarter 2021 Totals	-	14,100	14,100
Project Totals	19,009	1,757,863	1,776,874

**TABLE 1B. RETENTION DITCH RECOVERY RECORDS
MARATHON GALLUP REFINERY
GALLUP, NEW MEXICO**

DATE	Truck Loads	Water/Oil Mixture (gallons)	Oil (gallons)
2016 Totals	63	340,200	NR
2017 Totals	54	194,550	1,890
2018 Totals	38	78,780	1,426
2019 Totals	17	34,451	1,008
1st Quarter 2020 Totals	Dry	Dry	Dry
2nd Quarter 2020 Totals	Dry	Dry	Dry
9/1/2020	1	200	2
3rd Quarter 2020 Totals	1	200	2
4th Quarter 2020 Totals	Dry	Dry	Dry
1st Quarter 2021 Totals	Dry	Dry	Dry
2nd Quarter 2021 Totals	Dry	Dry	Dry
3rd Quarter 2021 Totals	Dry	Dry	Dry
Project Totals	173	648,181	4,326

**TABLE 2A. FLUID LEVEL MEASUREMENTS FOR WELLS MKTF-1 THROUGH MKTF-50
MARATHON GALLUP REFINERY
GALLUP, NEW MEXICO**

Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground-water Elevation (ft)	Corrected Water Table ¹ Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
MKTF-01	11/19/19	4.00	17.42	5.14	0.31	5.45	6,915.22	6915.47	5 - 15	Chinle/Alluvium Interface
MKTF-01	02/24/20	4.00	17.42	4.87	0.29	5.16	6,915.51	6915.74	5 - 15	Chinle/Alluvium Interface
MKTF-01	06/26/20	4.00	17.42	5.50	0.21	5.71	6,914.96	6915.13	5 - 15	Chinle/Alluvium Interface
MKTF-01	09/15/20	4.00	17.48	5.61	0.01	5.62	6,915.05	6915.06	5 - 15	Chinle/Alluvium Interface
MKTF-01	11/10/20	4.00	17.48	5.61	0.28	5.89	6,914.78	6915.00	5 - 15	Chinle/Alluvium Interface
MKTF-01	12/03/20	4.00	17.43	5.74	0.28	6.02	6,914.65	6914.87	5 - 15	Chinle/Alluvium Interface
MKTF-01	01/28/21	4.00	17.43	7.60	0.48	8.08	6,912.59	6912.97	5 - 15	Chinle/Alluvium Interface
MKTF-01	02/28/21	4.00	17.45	5.70	0.23	5.93	6,914.74	6914.92	5 - 15	Chinle/Alluvium Interface
MKTF-01	03/31/21	4.00	17.45	6.09	0.24	6.33	6,914.34	6914.53	5 - 15	Chinle/Alluvium Interface
MKTF-01	04/26/21	4.00	17.45	5.88	0.34	6.22	6,914.45	6914.72	5 - 15	Chinle/Alluvium Interface
MKTF-01	05/20/21	4.00	17.45	6.41	0.36	6.77	6,913.90	6914.19	5 - 15	Chinle/Alluvium Interface
MKTF-01	06/01/21	4.00	17.38	5.81	0.31	6.12	6,914.55	6914.80	5 - 15	Chinle/Alluvium Interface
MKTF-01	07/06/21	4.00	17.38	5.74	0.44	6.18	6,914.49	6914.84	5 - 15	Chinle/Alluvium Interface
MKTF-01R	08/31/21	4.00	18.00	ND	NA	3.40	6,918.22	NA	3 - 18	Chinle/Alluvium Interface
MKTF-01R	09/09/21	4.00	18.00	ND	NA	3.52	6,918.10	NA	3 - 18	Chinle/Alluvium Interface

**TABLE 2A. FLUID LEVEL MEASUREMENTS FOR WELLS MKTF-1 THROUGH MKTF-50
MARATHON GALLUP REFINERY
GALLUP, NEW MEXICO**

Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground-water Elevation (ft)	Corrected Water Table ¹ Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
MKTF-02	11/19/19	4.00	20.35	ND	0.00	7.14	6,910.31	NA	7 - 17	Chinle/Alluvium Interface
MKTF-02	02/24/20	4.00	20.48	ND	0.00	6.52	6,910.93	NA	7 - 17	Chinle/Alluvium Interface
MKTF-02	06/26/20	4.00	20.48	ND	0.00	7.70	6,909.75	NA	7 - 17	Chinle/Alluvium Interface
MKTF-02	09/15/20	4.00	20.54	ND	0.00	7.88	6,909.57	NA	7 - 17	Chinle/Alluvium Interface
MKTF-02	11/10/20	4.00	20.54	ND	0.00	7.43	6,910.02	NA	7 - 17	Chinle/Alluvium Interface
MKTF-02	12/03/20	4.00	20.54	ND	0.00	7.72	6,909.73	NA	7 - 17	Chinle/Alluvium Interface
MKTF-02	01/28/21	4.00	20.54	ND	0.00	7.75	6,909.70	NA	7 - 17	Chinle/Alluvium Interface
MKTF-02	02/28/21	4.00	20.54	ND	0.00	7.14	6,910.31	NA	7 - 17	Chinle/Alluvium Interface
MKTF-02	03/31/21	4.00	20.54	ND	0.00	7.84	6,909.61	NA	7 - 17	Chinle/Alluvium Interface
MKTF-02	04/26/21	4.00	20.54	ND	0.00	7.78	6,909.67	NA	7 - 17	Chinle/Alluvium Interface
MKTF-02	05/20/21	4.00	20.54	ND	0.00	8.11	6,909.34	NA	7 - 17	Chinle/Alluvium Interface
MKTF-02	06/01/21	4.00	20.54	ND	0.00	8.02	6,909.43	NA	7 - 17	Chinle/Alluvium Interface
MKTF-02	07/06/21	4.00	20.54	ND	0.00	8.08	6,909.37	NA	7 - 17	Chinle/Alluvium Interface
MKTF-02R	08/31/21	4.00	21.50	ND	0.00	16.10	6,906.83	NA	6.5 - 21.5	Chinle/Alluvium Interface
MKTF-02R	09/17/21	4.00	21.50	ND	0.00	16.58	6,900.87	NA	6.5 - 21.5	Chinle/Alluvium Interface

**TABLE 2A. FLUID LEVEL MEASUREMENTS FOR WELLS MKTF-1 THROUGH MKTF-50
MARATHON GALLUP REFINERY
GALLUP, NEW MEXICO**

Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground-water Elevation (ft)	Corrected Water Table ¹ Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
MKTF-03	10/30/19	4.00	18.45	6.70	1.30	8.00	6,923.69	6,924.73	3 - 18	Chinle/Alluvium Interface
MKTF-03	03/05/20	4.00	18.45	6.47	1.37	7.84	6,923.85	6924.95	3 - 18	Chinle/Alluvium Interface
MKTF-03	06/26/20	4.00	18.45	7.36	1.27	8.63	6,923.06	6924.08	3 - 18	Chinle/Alluvium Interface
MKTF-03	09/15/20	4.00	18.59	7.08	0.01	7.09	6,924.60	6924.61	3 - 18	Chinle/Alluvium Interface
MKTF-03	11/10/20	4.00	18.59	7.13	1.30	8.43	6,923.26	6924.30	3 - 18	Chinle/Alluvium Interface
MKTF-03	12/03/20	4.00	18.58	7.46	1.16	8.62	6,923.07	6924.00	3 - 18	Chinle/Alluvium Interface
MKTF-03	12/26/20	4.00	18.57	7.83	0.91	8.74	6,922.95	6923.68	3 - 18	Chinle/Alluvium Interface
MKTF-03	01/28/21	4.00	18.57	7.80	0.93	8.73	6,922.96	6923.70	3 - 18	Chinle/Alluvium Interface
MKTF-03	02/28/21	4.00	18.62	7.46	0.93	8.39	6,923.30	6924.04	3 - 18	Chinle/Alluvium Interface
MKTF-03	03/31/21	4.00	18.62	7.20	1.03	8.23	6,923.46	6924.28	3 - 18	Chinle/Alluvium Interface
MKTF-03	04/26/21	4.00	18.62	7.11	0.80	7.91	6,923.78	6924.42	3 - 18	Chinle/Alluvium Interface
MKTF-03	05/20/21	4.00	18.62	7.28	1.09	8.37	6,923.32	6924.19	3 - 18	Chinle/Alluvium Interface
MKTF-03	06/01/21	4.00	18.62	7.33	1.13	8.46	6,923.23	6924.13	3 - 18	Chinle/Alluvium Interface
MKTF-03	07/06/21	4.00	18.62	7.45	0.88	8.33	6,923.36	6924.06	3 - 18	Chinle/Alluvium Interface
MKTF-03	08/25/21	4.00	18.62	7.75	1.25	9.00	6,922.69	6923.69	3 - 18	Chinle/Alluvium Interface
MKTF-03	09/09/21	4.00	18.62	7.33	1.13	8.46	6,923.23	6924.13	3 - 18	Chinle/Alluvium Interface

**TABLE 2A. FLUID LEVEL MEASUREMENTS FOR WELLS MKTF-1 THROUGH MKTF-50
MARATHON GALLUP REFINERY
GALLUP, NEW MEXICO**

Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground-water Elevation (ft)	Corrected Water Table ¹ Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
MKTF-04	10/30/19	4.00	22.30	ND	0.00	8.93	6,924.64	NA	10 - 22	Chinle/Alluvium Interface
MKTF-04	03/02/20	4.00	22.21	ND	0.00	8.47	6,925.10	NA	10 - 22	Chinle/Alluvium Interface
MKTF-04	06/26/20	4.00	22.15	ND	0.00	9.75	6,923.82	NA	10 - 22	Chinle/Alluvium Interface
MKTF-04	09/15/20	4.00	22.72	9.39	0.01	9.40	6,924.17	6924.18	10 - 22	Chinle/Alluvium Interface
MKTF-04	11/10/20	4.00	22.72	ND	0.00	9.20	6,924.37	NA	10 - 22	Chinle/Alluvium Interface
MKTF-04	12/03/20	4.00	22.72	9.70	0.01	9.71	6,923.86	6923.87	10 - 22	Chinle/Alluvium Interface
MKTF-04	01/28/21	4.00	22.72	ND	0.00	10.14	6,923.43	NA	10 - 22	Chinle/Alluvium Interface
MKTF-04	02/28/21	4.00	22.72	9.84	0.12	9.96	6,923.61	6923.71	10 - 22	Chinle/Alluvium Interface
MKTF-04	03/31/21	4.00	22.72	9.21	0.02	9.23	6,924.34	6924.36	10 - 22	Chinle/Alluvium Interface
MKTF-04	04/26/21	4.00	22.72	9.20	0.02	9.22	6,924.35	6924.37	10 - 22	Chinle/Alluvium Interface
MKTF-04	05/20/21	4.00	22.72	9.28	0.10	9.38	6,924.19	6924.27	10 - 22	Chinle/Alluvium Interface
MKTF-04	06/01/21	4.00	22.72	9.19	0.03	9.22	6,924.35	6924.37	10 - 22	Chinle/Alluvium Interface
MKTF-04	07/06/21	4.00	22.72	ND	NA	9.16	6,924.41	NA	10 - 22	Chinle/Alluvium Interface
MKTF-04R	08/30/21	4.00	19.20	ND	NA	9.60	6,928.36	NA	4 - 19	Chinle/Alluvium Interface
MKTF-04R	09/17/21	4.00	19.20	ND	NA	9.95	6,928.01	NA	4 - 19	Chinle/Alluvium Interface

**TABLE 2A. FLUID LEVEL MEASUREMENTS FOR WELLS MKTF-1 THROUGH MKTF-50
MARATHON GALLUP REFINERY
GALLUP, NEW MEXICO**

Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground-water Elevation (ft)	Corrected Water Table ¹ Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
MKTF-05	12/02/19	4.00	17.75	10.64	6.53	17.17	6,925.05	6930.27	4 - 14	Chinle/Alluvium Interface
MKTF-05	03/05/20	4.00	17.75	13.58	0.14	13.72	6,928.50	6928.61	4 - 14	Chinle/Alluvium Interface
MKTF-05	06/25/20	4.00	17.75	14.06	0.75	14.80	6,927.42	6928.02	4 - 14	Chinle/Alluvium Interface
MKTF-05	09/15/20	4.00	17.83	13.65	1.03	14.68	6,927.54	6928.36	4 - 14	Chinle/Alluvium Interface
MKTF-05	11/10/20	4.00	17.83	14.02	0.88	14.90	6,927.32	6928.02	4 - 14	Chinle/Alluvium Interface
MKTF-05	12/03/20	4.00	17.80	14.12	0.81	14.93	6,927.29	6927.94	4 - 14	Chinle/Alluvium Interface
MKTF-05	01/28/21	4.00	17.80	14.94	0.19	15.13	6,927.09	6927.24	4 - 14	Chinle/Alluvium Interface
MKTF-05	02/28/21	4.00	17.77	14.60	0.15	14.75	6,927.47	6927.59	4 - 14	Chinle/Alluvium Interface
MKTF-05	03/31/21	4.00	17.77	14.99	0.06	15.05	6,927.17	6927.22	4 - 14	Chinle/Alluvium Interface
MKTF-05	04/26/21	4.00	17.77	15.03	0.14	15.17	6,927.05	6927.16	4 - 14	Chinle/Alluvium Interface
MKTF-05	05/20/21	4.00	17.77	15.02	0.07	15.09	6,927.13	6927.19	4 - 14	Chinle/Alluvium Interface
MKTF-05	06/01/21	4.00	17.77	14.88	0.08	14.96	6,927.26	6927.32	4 - 14	Chinle/Alluvium Interface
MKTF-05	07/06/21	4.00	17.77	15.42	0.26	15.68	6,926.54	6926.75	4 - 14	Chinle/Alluvium Interface
MKTF-05	08/25/21	4.00	17.77	14.50	0.60	15.10	6,927.12	6927.60	4 - 14	Chinle/Alluvium Interface
MKTF-05	09/07/21	4.00	17.77	14.27	1.07	15.34	6,926.88	6927.74	4 - 14	Chinle/Alluvium Interface

**TABLE 2A. FLUID LEVEL MEASUREMENTS FOR WELLS MKTF-1 THROUGH MKTF-50
MARATHON GALLUP REFINERY
GALLUP, NEW MEXICO**

Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground-water Elevation (ft)	Corrected Water Table ¹ Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
MKTF-06	12/02/19	4.00	23.77	14.75	6.61	21.36	6,925.45	6930.74	8 - 20	Chinle/Alluvium Interface
MKTF-06	03/05/20	4.00	23.77	16.89	1.71	18.60	6,928.21	6929.58	8 - 20	Chinle/Alluvium Interface
MKTF-06	06/25/20	4.00	23.77	14.05	4.86	18.90	6,927.91	6931.79	8 - 20	Chinle/Alluvium Interface
MKTF-06	09/15/20	4.00	23.79	16.78	1.93	18.71	6,928.10	6929.64	8 - 20	Chinle/Alluvium Interface
MKTF-06	11/10/20	4.00	23.79	17.20	1.39	18.59	6,928.22	6929.33	8 - 20	Chinle/Alluvium Interface
MKTF-06	12/03/20	4.00	23.79	17.38	1.11	18.49	6,928.32	6929.21	8 - 20	Chinle/Alluvium Interface
MKTF-06	01/28/21	4.00	23.79	18.09	1.56	19.65	6,927.16	6928.41	8 - 20	Chinle/Alluvium Interface
MKTF-06	02/28/21	4.00	23.85	17.93	0.72	18.65	6,928.16	6928.74	8 - 20	Chinle/Alluvium Interface
MKTF-06	03/31/21	4.00	23.85	17.97	0.18	18.15	6,928.66	6928.80	8 - 20	Chinle/Alluvium Interface
MKTF-06	04/26/21	4.00	23.85	17.88	0.07	17.95	6,928.86	6928.92	8 - 20	Chinle/Alluvium Interface
MKTF-06	05/20/21	4.00	23.85	18.01	0.12	18.13	6,928.68	6928.78	8 - 20	Chinle/Alluvium Interface
MKTF-06	06/01/21	4.00	23.85	18.09	0.16	18.25	6,928.56	6928.69	8 - 20	Chinle/Alluvium Interface
MKTF-06	07/06/21	4.00	23.85	18.55	0.52	19.07	6,927.74	6928.16	8 - 20	Chinle/Alluvium Interface
MKTF-06	08/26/21	4.00	23.85	17.75	0.85	18.60	6,928.21	6928.89	8 - 20	Chinle/Alluvium Interface
MKTF-06	09/07/21	4.00	23.85	17.98	0.68	18.66	6,928.15	6928.69	8 - 20	Chinle/Alluvium Interface

**TABLE 2A. FLUID LEVEL MEASUREMENTS FOR WELLS MKTF-1 THROUGH MKTF-50
MARATHON GALLUP REFINERY
GALLUP, NEW MEXICO**

Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground-water Elevation (ft)	Corrected Water Table ¹ Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
MKTF-07	12/02/19	4.00	17.62	11.38	5.74	17.12	6,930.06	6934.65	4 - 14	Chinle/Alluvium Interface
MKTF-07	03/05/20	4.00	17.62	12.50	1.22	13.72	6,933.46	6934.44	4 - 14	Chinle/Alluvium Interface
MKTF-07	06/25/20	4.00	17.62	12.23	1.53	13.76	6,933.42	6934.64	4 - 14	Chinle/Alluvium Interface
MKTF-07	09/18/20	4.00	17.43	11.42	2.35	13.77	6,933.41	6935.29	4 - 14	Chinle/Alluvium Interface
MKTF-07	11/10/20	4.00	17.43	12.56	1.20	13.76	6,933.42	6934.38	4 - 14	Chinle/Alluvium Interface
MKTF-07	12/03/20	4.00	17.66	12.93	0.87	13.80	6,933.38	6934.08	4 - 14	Chinle/Alluvium Interface
MKTF-07	01/28/21	4.00	17.66	13.80	0.40	14.20	6,932.98	6933.30	4 - 14	Chinle/Alluvium Interface
MKTF-07	02/28/21	4.00	17.86	13.51	0.21	13.72	6,933.46	6933.63	4 - 14	Chinle/Alluvium Interface
MKTF-07	03/31/21	4.00	17.86	13.70	0.11	13.81	6,933.37	6933.46	4 - 14	Chinle/Alluvium Interface
MKTF-07	04/26/21	4.00	17.86	13.51	0.25	13.76	6,933.42	6933.62	4 - 14	Chinle/Alluvium Interface
MKTF-07	05/20/21	4.00	17.86	13.68	0.13	13.81	6,933.37	6933.47	4 - 14	Chinle/Alluvium Interface
MKTF-07	06/01/21	4.00	17.86	13.52	0.11	13.63	6,933.55	6933.64	4 - 14	Chinle/Alluvium Interface
MKTF-07	07/06/21	4.00	17.86	13.35	0.34	13.69	6,933.49	6933.76	4 - 14	Chinle/Alluvium Interface
MKTF-07	08/02/21	4.00	17.86	13.39	0.46	13.85	6,933.33	6933.70	4 - 14	Chinle/Alluvium Interface
MKTF-07	09/07/21	4.00	17.86	13.26	0.42	13.68	6,933.50	6933.84	4 - 14	Chinle/Alluvium Interface

**TABLE 2A. FLUID LEVEL MEASUREMENTS FOR WELLS MKTF-1 THROUGH MKTF-50
MARATHON GALLUP REFINERY
GALLUP, NEW MEXICO**

Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground-water Elevation (ft)	Corrected Water Table ¹ Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
MKTF-08	12/02/19	4.00	21.98	13.72	0.41	14.13	6,932.96	6933.29	8 - 18	Chinle/Alluvium Interface
MKTF-08	03/05/20	4.00	21.98	14.03	0.34	14.37	6,932.72	6932.99	8 - 18	Chinle/Alluvium Interface
MKTF-08	06/25/20	4.00	21.98	14.00	0.40	14.40	6,932.69	6933.01	8 - 18	Chinle/Alluvium Interface
MKTF-08	09/18/20	4.00	22.00	13.76	0.39	14.15	6,932.94	6933.25	8 - 18	Chinle/Alluvium Interface
MKTF-08	11/10/20	4.00	22.00	14.23	0.46	14.69	6,932.40	6932.77	8 - 18	Chinle/Alluvium Interface
MKTF-08	12/03/20	4.00	22.01	14.36	0.40	14.76	6,932.33	6932.65	8 - 18	Chinle/Alluvium Interface
MKTF-08	01/28/21	4.00	22.01	14.84	0.31	15.15	6,931.94	6932.19	8 - 18	Chinle/Alluvium Interface
MKTF-08	02/28/21	4.00	22.00	14.76	0.13	14.89	6,932.20	6932.30	8 - 18	Chinle/Alluvium Interface
MKTF-08	03/31/21	4.00	22.00	14.60	0.10	14.70	6,932.39	6932.47	8 - 18	Chinle/Alluvium Interface
MKTF-08	04/26/21	4.00	22.00	14.64	0.11	14.75	6,932.34	6932.43	8 - 18	Chinle/Alluvium Interface
MKTF-08	05/20/21	4.00	22.00	14.63	0.08	14.71	6,932.38	6932.44	8 - 18	Chinle/Alluvium Interface
MKTF-08	06/01/21	4.00	22.00	14.71	0.08	14.79	6,932.30	6932.36	8 - 18	Chinle/Alluvium Interface
MKTF-08	07/06/21	4.00	22.00	14.97	0.36	15.33	6,931.76	6932.05	8 - 18	Chinle/Alluvium Interface
MKTF-08	08/02/21	4.00	22.00	14.93	0.16	15.09	6,932.00	6932.13	8 - 18	Chinle/Alluvium Interface
MKTF-08	09/07/21	4.00	22.00	14.77	0.22	14.99	6,932.10	6932.28	8 - 18	Chinle/Alluvium Interface

**TABLE 2A. FLUID LEVEL MEASUREMENTS FOR WELLS MKTF-1 THROUGH MKTF-50
MARATHON GALLUP REFINERY
GALLUP, NEW MEXICO**

Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground-water Elevation (ft)	Corrected Water Table ¹ Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
MKTF-09	11/18/19	4.00	22.75	ND	0.00	13.97	6,932.53	NA	7 - 19	Chinle/Alluvium Interface
MKTF-09	03/02/20	4.00	22.76	ND	0.00	14.23	6,932.27	NA	7 - 19	Chinle/Alluvium Interface
MKTF-09	06/25/20	4.00	22.77	ND	0.00	14.55	6,931.95	NA	7 - 19	Chinle/Alluvium Interface
MKTF-09	09/18/20	4.00	22.41	14.19	0.01	14.20	6,932.30	6932.31	7 - 19	Chinle/Alluvium Interface
MKTF-09	11/10/20	4.00	22.41	14.61	0.01	14.62	6,931.88	6931.89	7 - 19	Chinle/Alluvium Interface
MKTF-09	12/03/20	4.00	22.78	14.75	0.01	14.76	6,931.74	6931.75	7 - 19	Chinle/Alluvium Interface
MKTF-09	01/28/21	4.00	22.78	ND	0.00	15.11	6,931.39	NA	7 - 19	Chinle/Alluvium Interface
MKTF-09	02/28/21	4.00	22.70	14.76	0.13	14.89	6,931.61	6931.71	7 - 19	Chinle/Alluvium Interface
MKTF-09	03/31/21	4.00	22.70	14.85	0.02	14.87	6,931.63	6931.65	7 - 19	Chinle/Alluvium Interface
MKTF-09	04/26/21	4.00	22.70	14.79	0.05	14.84	6,931.66	6931.70	7 - 19	Chinle/Alluvium Interface
MKTF-09	05/20/21	4.00	22.70	14.98	0.18	15.16	6,931.34	6931.48	7 - 19	Chinle/Alluvium Interface
MKTF-09	06/01/21	4.00	22.70	14.92	0.03	14.95	6,931.55	6931.57	7 - 19	Chinle/Alluvium Interface
MKTF-09	07/06/21	4.00	22.70	15.20	0.02	15.22	6,931.28	6931.30	7 - 19	Chinle/Alluvium Interface
MKTF-09	08/26/21	4.00	22.70	15.11	0.04	15.15	6,931.35	6931.38	7 - 19	Chinle/Alluvium Interface
MKTF-09	09/07/21	4.00	22.70	15.18	0.03	15.21	6,931.29	6931.31	7 - 19	Chinle/Alluvium Interface

**TABLE 2A. FLUID LEVEL MEASUREMENTS FOR WELLS MKTF-1 THROUGH MKTF-50
MARATHON GALLUP REFINERY
GALLUP, NEW MEXICO**

Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground-water Elevation (ft)	Corrected Water Table ¹ Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
MKTF-10	10/30/19	4.00	15.99	ND	0.00	7.28	6,929.88	NA	7 - 17	Chinle/Alluvium Interface
MKTF-10	03/02/20	4.00	15.99	ND	0.00	7.67	6,929.49	NA	7 - 17	Chinle/Alluvium Interface
MKTF-10	06/25/20	4.00	15.99	ND	0.00	7.07	6,930.09	NA	7 - 17	Chinle/Alluvium Interface
MKTF-10	09/18/20	4.00	16.41	7.52	0.01	7.53	6,929.63	6929.64	7 - 17	Chinle/Alluvium Interface
MKTF-10	11/10/20	4.00	16.41	ND	0.00	7.79	6,929.37	NA	7 - 17	Chinle/Alluvium Interface
MKTF-10	12/03/20	4.00	16.50	ND	0.00	7.80	6,929.36	NA	7 - 17	Chinle/Alluvium Interface
MKTF-10	01/28/21	4.00	16.50	ND	0.00	7.91	6,929.25	NA	7 - 17	Chinle/Alluvium Interface
MKTF-10	02/28/21	4.00	16.50	ND	0.00	7.89	6,929.27	NA	7 - 17	Chinle/Alluvium Interface
MKTF-10	03/31/21	4.00	16.50	ND	0.00	7.74	6,929.42	NA	7 - 17	Chinle/Alluvium Interface
MKTF-10	04/26/21	4.00	16.50	ND	0.00	8.03	6,929.13	NA	7 - 17	Chinle/Alluvium Interface
MKTF-10	05/20/21	4.00	16.50	ND	0.00	7.92	6,929.24	NA	7 - 17	Chinle/Alluvium Interface
MKTF-10	06/01/21	4.00	16.50	ND	0.00	7.69	6,929.47	NA	7 - 17	Chinle/Alluvium Interface
MKTF-10	07/06/21	4.00	16.50	ND	0.00	8.44	6,928.72	NA	7 - 17	Chinle/Alluvium Interface
MKTF-10	08/26/21	4.00	16.50	ND	0.00	8.10	6,929.06	NA	7 - 17	Chinle/Alluvium Interface
MKTF-10	09/09/21	4.00	16.50	ND	0.00	8.20	6,928.96	NA	7 - 17	Chinle/Alluvium Interface

**TABLE 2A. FLUID LEVEL MEASUREMENTS FOR WELLS MKTF-1 THROUGH MKTF-50
MARATHON GALLUP REFINERY
GALLUP, NEW MEXICO**

Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground-water Elevation (ft)	Corrected Water Table ¹ Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
MKTF-11	10/30/19	4.00	18.14	ND	0.00	7.06	6,924.28	NA	8 - 18	Chinle/Alluvium Interface
MKTF-11	03/02/20	4.00	18.14	ND	0.00	7.89	6,923.45	NA	8 - 18	Chinle/Alluvium Interface
MKTF-11	06/26/20	4.00	18.14	7.67	0.01	7.68	6,923.66	6923.67	8 - 18	Chinle/Alluvium Interface
MKTF-11	09/18/20	4.00	18.45	7.59	0.01	7.60	6,923.74	6923.75	8 - 18	Chinle/Alluvium Interface
MKTF-11	11/10/20	4.00	18.45	ND	0.00	7.61	6,923.73	NA	8 - 18	Chinle/Alluvium Interface
MKTF-11	12/03/20	4.00	18.45	7.89	0.02	7.91	6,923.43	6923.45	8 - 18	Chinle/Alluvium Interface
MKTF-11	01/28/21	4.00	18.45	ND	0.00	7.88	6,923.46	NA	8 - 18	Chinle/Alluvium Interface
MKTF-11	02/28/21	4.00	18.53	ND	0.00	7.84	6,923.50	NA	8 - 18	Chinle/Alluvium Interface
MKTF-11	03/31/21	4.00	18.53	ND	0.00	7.63	6,923.71	NA	8 - 18	Chinle/Alluvium Interface
MKTF-11	04/26/21	4.00	18.53	ND	0.00	7.70	6,923.64	NA	8 - 18	Chinle/Alluvium Interface
MKTF-11	05/20/21	4.00	18.53	ND	0.00	7.67	6,923.67	NA	8 - 18	Chinle/Alluvium Interface
MKTF-11	06/01/21	4.00	18.53	ND	0.00	7.56	6,923.78	NA	8 - 18	Chinle/Alluvium Interface
MKTF-11	07/06/21	4.00	18.53	ND	0.00	8.30	6,923.04	NA	8 - 18	Chinle/Alluvium Interface
MKTF-11	08/26/21	4.00	18.53	ND	0.00	8.18	6,923.16	NA	8 - 18	Chinle/Alluvium Interface
MKTF-11	09/09/21	4.00	18.53	ND	0.00	8.59	6,922.75	NA	8 - 18	Chinle/Alluvium Interface

**TABLE 2A. FLUID LEVEL MEASUREMENTS FOR WELLS MKTF-1 THROUGH MKTF-50
MARATHON GALLUP REFINERY
GALLUP, NEW MEXICO**

Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground-water Elevation (ft)	Corrected Water Table ¹ Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
MKTF-12	12/02/19	4.00	25.60	17.70	0.05	17.75	6,924.36	6924.40	12 - 22	Chinle/Alluvium Interface
MKTF-12	02/27/20	4.00	25.60	17.84	0.08	17.92	6,924.19	6924.25	12 - 22	Chinle/Alluvium Interface
MKTF-12	06/29/20	4.00	25.60	19.13	0.12	19.25	6,922.86	6922.96	12 - 22	Chinle/Alluvium Interface
MKTF-12	09/18/20	4.00	25.82	18.64	0.01	18.65	6,923.46	6923.47	12 - 22	Chinle/Alluvium Interface
MKTF-12	11/10/20	4.00	25.82	17.97	0.03	18.00	6,924.11	6924.13	12 - 22	Chinle/Alluvium Interface
MKTF-12	12/03/20	4.00	25.89	18.90	0.16	19.06	6,923.05	6923.18	12 - 22	Chinle/Alluvium Interface
MKTF-12	01/28/21	4.00	25.89	19.46	0.17	19.63	6,922.48	6922.62	12 - 22	Chinle/Alluvium Interface
MKTF-12	02/28/21	4.00	25.85	18.82	0.10	18.92	6,923.19	6923.27	12 - 22	Chinle/Alluvium Interface
MKTF-12	03/31/21	4.00	25.85	18.59	0.04	18.63	6,923.48	6923.51	12 - 22	Chinle/Alluvium Interface
MKTF-12	04/26/21	4.00	25.85	18.49	0.11	18.60	6,923.51	6923.60	12 - 22	Chinle/Alluvium Interface
MKTF-12	05/20/21	4.00	25.85	18.70	0.03	18.73	6,923.38	6923.40	12 - 22	Chinle/Alluvium Interface
MKTF-12	06/01/21	4.00	25.85	19.03	0.05	19.08	6,923.03	6923.07	12 - 22	Chinle/Alluvium Interface
MKTF-12	07/06/21	4.00	25.85	18.98	0.05	19.03	6,923.08	6923.12	12 - 22	Chinle/Alluvium Interface
MKTF-12	08/26/21	4.00	25.85	19.12	0.10	19.22	6,922.89	6922.97	12 - 22	Chinle/Alluvium Interface
MKTF-12	09/09/21	4.00	25.85	19.01	0.08	19.09	6,923.02	6923.08	12 - 22	Chinle/Alluvium Interface

**TABLE 2A. FLUID LEVEL MEASUREMENTS FOR WELLS MKTF-1 THROUGH MKTF-50
MARATHON GALLUP REFINERY
GALLUP, NEW MEXICO**

Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground-water Elevation (ft)	Corrected Water Table ¹ Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
MKTF-13	12/02/19	4.00	21.25	ND	0.00	12.40	6,922.78	NA	8 - 18	Chinle/Alluvium Interface
MKTF-13	02/27/20	4.00	21.25	11.13	6.18	17.31	6,917.87	6922.81	8 - 18	Chinle/Alluvium Interface
MKTF-13	06/29/20	4.00	21.25	12.67	5.54	18.21	6,916.97	6921.40	8 - 18	Chinle/Alluvium Interface
MKTF-13	09/18/20	4.00	22.13	12.55	4.37	16.92	6,918.26	6921.76	8 - 18	Chinle/Alluvium Interface
MKTF-13	11/10/20	4.00	22.13	11.98	4.38	16.36	6,918.82	6922.32	8 - 18	Chinle/Alluvium Interface
MKTF-13	12/03/20	4.00	21.92	12.84	3.81	16.65	6,918.53	6921.58	8 - 18	Chinle/Alluvium Interface
MKTF-13	01/28/21	4.00	21.92	13.25	4.01	17.26	6,917.92	6921.13	8 - 18	Chinle/Alluvium Interface
MKTF-13	02/28/21	4.00	21.75	12.60	4.30	16.90	6,918.28	6921.72	8 - 18	Chinle/Alluvium Interface
MKTF-13	03/31/21	4.00	21.75	12.21	4.44	16.65	6,918.53	6922.08	8 - 18	Chinle/Alluvium Interface
MKTF-13	04/26/21	4.00	21.75	12.25	4.08	16.33	6,918.85	6922.11	8 - 18	Chinle/Alluvium Interface
MKTF-13	05/20/21	4.00	21.75	12.11	4.59	16.70	6,918.48	6922.15	8 - 18	Chinle/Alluvium Interface
MKTF-13	06/01/21	4.00	21.75	11.93	3.74	15.67	6,919.51	6922.50	8 - 18	Chinle/Alluvium Interface
MKTF-13	07/06/21	4.00	21.75	13.85	3.65	17.50	6,917.68	6920.60	8 - 18	Chinle/Alluvium Interface
MKTF-13	08/09/21	4.00	21.75	12.80	4.38	17.18	6,918.00	6921.50	8 - 18	Chinle/Alluvium Interface
MKTF-13	09/07/21	4.00	21.75	13.00	3.60	16.60	6,918.58	6921.46	8 - 18	Chinle/Alluvium Interface

**TABLE 2A. FLUID LEVEL MEASUREMENTS FOR WELLS MKTF-1 THROUGH MKTF-50
MARATHON GALLUP REFINERY
GALLUP, NEW MEXICO**

Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground-water Elevation (ft)	Corrected Water Table ¹ Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
MKTF-14	10/28/19	4.00	17.46	6.02	0.37	6.39	6,921.63	6,921.93	4 - 14	Chinle/Alluvium Interface
MKTF-14	02/27/20	4.00	17.46	5.35	0.30	5.65	6,922.37	6922.61	4 - 14	Chinle/Alluvium Interface
MKTF-14	06/29/20	4.00	17.46	6.38	2.20	8.58	6,919.44	6921.20	4 - 14	Chinle/Alluvium Interface
MKTF-14	09/18/20	4.00	17.32	6.18	1.98	8.16	6,919.86	6921.44	4 - 14	Chinle/Alluvium Interface
MKTF-14	11/10/20	4.00	17.32	5.98	0.30	6.28	6,921.74	6921.98	4 - 14	Chinle/Alluvium Interface
MKTF-14	12/03/20	4.00	17.55	6.79	0.27	7.06	6,920.96	6921.18	4 - 14	Chinle/Alluvium Interface
MKTF-14	01/28/21	4.00	17.55	7.11	0.30	7.41	6,920.61	6920.85	4 - 14	Chinle/Alluvium Interface
MKTF-14	02/28/21	4.00	17.55	6.64	0.34	6.98	6,921.04	6921.31	4 - 14	Chinle/Alluvium Interface
MKTF-14	03/31/21	4.00	17.55	6.14	0.12	6.26	6,921.76	6921.86	4 - 14	Chinle/Alluvium Interface
MKTF-14	04/26/21	4.00	17.55	6.11	0.07	6.18	6,921.84	6921.90	4 - 14	Chinle/Alluvium Interface
MKTF-14	05/20/21	4.00	17.55	6.20	0.11	6.31	6,921.71	6921.80	4 - 14	Chinle/Alluvium Interface
MKTF-14	06/01/21	4.00	17.55	5.81	0.16	5.97	6,922.05	6922.18	4 - 14	Chinle/Alluvium Interface
MKTF-14	07/21/21	4.00	17.55	6.23	0.45	6.68	6,921.34	6921.70	4 - 14	Chinle/Alluvium Interface
MKTF-14	08/25/21	4.00	17.55	7.00	0.17	7.17	6,920.85	6920.99	4 - 14	Chinle/Alluvium Interface
MKTF-14	09/07/21	4.00	17.55	7.02	0.17	7.19	6,920.83	6920.97	4 - 14	Chinle/Alluvium Interface

**TABLE 2A. FLUID LEVEL MEASUREMENTS FOR WELLS MKTF-1 THROUGH MKTF-50
MARATHON GALLUP REFINERY
GALLUP, NEW MEXICO**

Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground-water Elevation (ft)	Corrected Water Table ¹ Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
MKTF-15	10/30/19	2.00	19.48	12.65	0.05	12.70	6,930.78	6,930.82	9 - 19	Chinle/Alluvium Interface
MKTF-15	02/03/20	2.00	19.48	13.02	0.09	13.11	6,930.37	6,930.44	9 - 19	Chinle/Alluvium Interface
MKTF-15	06/26/20	2.00	19.48	13.11	0.06	13.17	6,930.31	6,930.36	9 - 19	Chinle/Alluvium Interface
MKTF-15	09/18/20	2.00	19.18	13.00	0.03	13.03	6,930.45	6,930.47	9 - 19	Chinle/Alluvium Interface
MKTF-15	11/10/20	2.00	19.18	13.25	0.25	13.50	6,929.98	6,930.18	9 - 19	Chinle/Alluvium Interface
MKTF-15	12/03/20	2.00	19.52	13.39	0.21	13.60	6,929.88	6,930.05	9 - 19	Chinle/Alluvium Interface
MKTF-15	01/28/21	2.00	19.52	13.54	0.21	13.75	6,929.73	6,929.90	9 - 19	Chinle/Alluvium Interface
MKTF-15	02/28/21	2.00	19.53	13.45	0.07	13.52	6,929.96	6,930.02	9 - 19	Chinle/Alluvium Interface
MKTF-15	03/31/21	2.00	19.53	13.39	0.03	13.42	6,930.06	6,930.08	9 - 19	Chinle/Alluvium Interface
MKTF-15	04/26/21	2.00	19.53	13.11	0.21	13.32	6,930.16	6,930.33	9 - 19	Chinle/Alluvium Interface
MKTF-15	05/20/21	2.00	19.53	13.51	0.07	13.58	6,929.90	6,929.96	9 - 19	Chinle/Alluvium Interface
MKTF-15	06/01/21	2.00	19.53	13.43	0.04	13.47	6,930.01	6,930.04	9 - 19	Chinle/Alluvium Interface
MKTF-15	07/21/21	2.00	19.53	13.30	0.76	14.06	6,929.42	6,930.03	9 - 19	Chinle/Alluvium Interface
MKTF-15	08/25/21	2.00	19.53	13.40	0.75	14.15	6,929.33	6,929.93	9 - 19	Chinle/Alluvium Interface
MKTF-15	09/07/21	2.00	19.53	13.29	0.62	13.91	6,929.57	6,930.07	9 - 19	Chinle/Alluvium Interface

**TABLE 2A. FLUID LEVEL MEASUREMENTS FOR WELLS MKTF-1 THROUGH MKTF-50
MARATHON GALLUP REFINERY
GALLUP, NEW MEXICO**

Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground-water Elevation (ft)	Corrected Water Table ¹ Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
MKTF-16	10/30/19	2.00	14.10	ND	0.00	9.89	6,940.69	NA	4 - 14	Chinle/Alluvium Interface
MKTF-16	02/05/20	2.00	14.10	ND	0.00	9.68	6,940.90	NA	4 - 14	Chinle/Alluvium Interface
MKTF-16	06/26/20	2.00	14.10	ND	0.00	9.54	6,941.04	NA	4 - 14	Chinle/Alluvium Interface
MKTF-16	09/18/20	2.00	10.92	9.18	0.01	9.19	6,941.39	6,941.40	4 - 14	Chinle/Alluvium Interface
MKTF-16	11/10/20	2.00	10.92	ND	0.00	7.20	6,943.38	NA	4 - 14	Chinle/Alluvium Interface
MKTF-16	12/08/20	2.00	10.95	ND	0.00	9.70	6,940.88	NA	4 - 14	Chinle/Alluvium Interface
MKTF-16	01/28/21	2.00	10.95	ND	0.00	6.15	6,944.43	NA	4 - 14	Chinle/Alluvium Interface
MKTF-16	02/28/21	2.00	10.95	ND	0.00	8.84	6,941.74	NA	4 - 14	Chinle/Alluvium Interface
MKTF-16	03/31/21	2.00	10.95	ND	0.00	9.31	6,941.27	NA	4 - 14	Chinle/Alluvium Interface
MKTF-16	04/26/21	2.00	10.95	ND	0.00	9.51	6,941.07	NA	4 - 14	Chinle/Alluvium Interface
MKTF-16	05/20/21	2.00	10.95	ND	0.00	9.40	6,941.18	NA	4 - 14	Chinle/Alluvium Interface
MKTF-16	06/01/21	2.00	10.95	ND	0.00	9.28	6,941.30	NA	4 - 14	Chinle/Alluvium Interface
MKTF-16	06/23/21	2.00	10.95	ND	0.00	DRY	NA	NA	4 - 14	Chinle/Alluvium Interface
MKTF-16	07/21/21	2.00	10.95	ND	0.00	10.84	6,939.74	NA	4 - 14	Chinle/Alluvium Interface
MKTF-16	08/25/21	2.00	10.95	ND	0.00	10.48	6,940.10	NA	4 - 14	Chinle/Alluvium Interface
MKTF-16	09/08/21	2.00	10.95	ND	0.00	8.70	6,941.88	NA	4 - 14	Chinle/Alluvium Interface

**TABLE 2A. FLUID LEVEL MEASUREMENTS FOR WELLS MKTF-1 THROUGH MKTF-50
MARATHON GALLUP REFINERY
GALLUP, NEW MEXICO**

Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground-water Elevation (ft)	Corrected Water Table ¹ Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
MKTF-17	12/02/19	2.00	24.65	13.17	4.88	18.05	6,927.71	6,931.61	14 - 24	Chinle/Alluvium Interface
MKTF-17	02/03/20	2.00	24.11	11.44	5.41	16.85	6,928.91	6,933.24	14 - 24	Chinle/Alluvium Interface
MKTF-17	06/29/20	2.00	24.11	10.19	5.31	15.50	6,930.26	6,934.51	14 - 24	Chinle/Alluvium Interface
MKTF-17	09/14/20	2.00	24.67	10.00	5.37	15.37	6,930.39	6,934.69	14 - 24	Chinle/Alluvium Interface
MKTF-17	11/10/20	2.00	24.67	11.39	0.20	11.59	6,934.17	6,934.33	14 - 24	Chinle/Alluvium Interface
MKTF-17	12/04/20	2.00	24.66	11.28	0.19	11.47	6,934.29	6,934.44	14 - 24	Chinle/Alluvium Interface
MKTF-17	01/28/21	2.00	24.65	11.88	0.02	11.90	6,933.86	6,933.88	14 - 24	Chinle/Alluvium Interface
MKTF-17	02/28/21	2.00	24.70	11.88	0.02	11.90	6,933.86	6,933.88	14 - 24	Chinle/Alluvium Interface
MKTF-17	03/31/21	2.00	24.70	12.06	0.03	12.09	6,933.67	6,933.69	14 - 24	Chinle/Alluvium Interface
MKTF-17	04/26/21	2.00	24.70	14.97	0.02	14.99	6,930.77	6,930.79	14 - 24	Chinle/Alluvium Interface
MKTF-17	05/20/21	2.00	24.70	15.03	0.03	15.06	6,930.70	6,930.72	14 - 24	Chinle/Alluvium Interface
MKTF-17	06/01/21	2.00	24.70	15.10	0.05	15.15	6,930.61	6,930.65	14 - 24	Chinle/Alluvium Interface
MKTF-17	07/21/21	2.00	24.70	12.16	0.03	12.19	6,933.57	6,933.59	14 - 24	Chinle/Alluvium Interface
MKTF-17R	08/30/21	2.00	24.70	ND	0.00	11.93	6,938.27	NA	10 - 25	Chinle/Alluvium Interface
MKTF-17R	09/17/21	2.00	24.70	ND	0.00	12.05	6,938.15	NA	10 - 25	Chinle/Alluvium Interface

**TABLE 2A. FLUID LEVEL MEASUREMENTS FOR WELLS MKTF-1 THROUGH MKTF-50
MARATHON GALLUP REFINERY
GALLUP, NEW MEXICO**

Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground-water Elevation (ft)	Corrected Water Table ¹ Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
MKTF-18	11/12/19	2.00	25.38	ND	0.00	8.19	6,942.46	NA	17 - 27	Chinle/Alluvium Interface
MKTF-18	02/05/20	2.00	25.38	ND	0.00	9.10	6,941.55	NA	17 - 27	Chinle/Alluvium Interface
MKTF-18	06/30/20	2.00	25.38	ND	0.00	8.98	6,941.67	NA	17 - 27	Chinle/Alluvium Interface
MKTF-18	09/18/20	2.00	21.73	8.49	0.01	8.50	6,942.15	6,942.16	17 - 27	Chinle/Alluvium Interface
MKTF-18	11/10/20	2.00	21.73	ND	0.00	8.74	6,941.91	NA	17 - 27	Chinle/Alluvium Interface
MKTF-18	12/04/20	2.00	25.50	ND	0.00	8.80	6,941.85	NA	17 - 27	Chinle/Alluvium Interface
MKTF-18	01/28/21	2.00	25.50	ND	0.00	9.28	6,941.37	NA	17 - 27	Chinle/Alluvium Interface
MKTF-18	02/28/21	2.00	27.55	ND	0.00	9.08	6,941.57	NA	17 - 27	Chinle/Alluvium Interface
MKTF-18	03/31/21	2.00	27.55	ND	0.00	9.30	6,941.35	NA	17 - 27	Chinle/Alluvium Interface
MKTF-18	04/26/21	2.00	27.55	ND	0.00	9.23	6,941.42	NA	17 - 27	Chinle/Alluvium Interface
MKTF-18	05/20/21	2.00	27.55	ND	0.00	9.25	6,941.40	NA	17 - 27	Chinle/Alluvium Interface
MKTF-18	06/01/21	2.00	27.55	ND	0.00	9.21	6,941.44	NA	17 - 27	Chinle/Alluvium Interface
MKTF-18	07/21/21	2.00	27.55	ND	0.00	10.92	6,939.73	NA	17 - 27	Chinle/Alluvium Interface
MKTF-18R	08/30/21	2.00	25.55	ND	0.00	9.58	6,945.29	NA	10 - 25	Chinle/Alluvium Interface
MKTF-18R	09/17/21	2.00	25.55	ND	0.00	9.93	6,944.94	NA	10 - 25	Chinle/Alluvium Interface

**TABLE 2A. FLUID LEVEL MEASUREMENTS FOR WELLS MKTF-1 THROUGH MKTF-50
MARATHON GALLUP REFINERY
GALLUP, NEW MEXICO**

Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground-water Elevation (ft)	Corrected Water Table ¹ Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
MKTF-19	12/02/19	2.00	18.20	11.63	0.87	12.50	6,932.17	6,932.87	10 - 20	Chinle/Alluvium Interface
MKTF-19	02/03/20	2.00	17.47	11.35	1.05	12.40	6,932.27	6,933.11	10 - 20	Chinle/Alluvium Interface
MKTF-19	06/29/20	2.00	17.47	12.08	1.21	13.29	6,931.38	6,932.35	10 - 20	Chinle/Alluvium Interface
MKTF-19	09/14/20	2.00	19.24	11.95	0.02	11.97	6,932.70	6,932.72	10 - 20	Chinle/Alluvium Interface
MKTF-19	11/10/20	2.00	19.24	12.22	1.33	13.55	6,931.12	6,932.18	10 - 20	Chinle/Alluvium Interface
MKTF-19	12/04/20	2.00	19.38	12.18	1.24	13.42	6,931.25	6,932.24	10 - 20	Chinle/Alluvium Interface
MKTF-19	01/28/21	2.00	19.38	12.22	1.24	13.46	6,931.21	6,932.20	10 - 20	Chinle/Alluvium Interface
MKTF-19	02/28/21	2.00	19.44	12.45	1.14	13.59	6,931.08	6,931.99	10 - 20	Chinle/Alluvium Interface
MKTF-19	03/31/21	2.00	19.44	12.60	1.23	13.83	6,930.84	6,931.82	10 - 20	Chinle/Alluvium Interface
MKTF-19	04/26/21	2.00	19.44	12.54	1.53	14.07	6,930.60	6,931.82	10 - 20	Chinle/Alluvium Interface
MKTF-19	05/20/21	2.00	19.44	12.28	1.42	13.70	6,930.97	6,932.11	10 - 20	Chinle/Alluvium Interface
MKTF-19	06/01/21	2.00	19.44	12.55	1.22	13.77	6,930.90	6,931.88	10 - 20	Chinle/Alluvium Interface
MKTF-19	07/21/21	2.00	19.44	12.52	0.78	13.30	6,931.37	6,931.99	10 - 20	Chinle/Alluvium Interface
MKTF-19	08/25/21	2.00	19.44	13.10	1.22	14.32	6,930.35	6,931.33	10 - 20	Chinle/Alluvium Interface
MKTF-19	09/08/21	2.00	19.44	13.05	1.06	14.11	6,930.56	6,931.41	10 - 20	Chinle/Alluvium Interface

**TABLE 2A. FLUID LEVEL MEASUREMENTS FOR WELLS MKTF-1 THROUGH MKTF-50
MARATHON GALLUP REFINERY
GALLUP, NEW MEXICO**

Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground-water Elevation (ft)	Corrected Water Table ¹ Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
MKTF-20	11/04/19	4.00	8.83	ND	0.00	7.68	6,944.10	NA	2 - 10	Chinle/Alluvium Interface
MKTF-20	02/05/20	4.00	8.83	ND	0.00	9.02	6,942.76	NA	2 - 10	Chinle/Alluvium Interface
MKTF-20	06/26/20	4.00	8.83	ND	0.00	8.67	6,943.11	NA	2 - 10	Chinle/Alluvium Interface
MKTF-20	09/15/20	4.00	9.62	8.54	0.81	9.35	6,942.43	6,943.08	2 - 10	Chinle/Alluvium Interface
MKTF-20	11/10/20	4.00	9.62	8.10	0.80	8.90	6,942.88	6,943.52	2 - 10	Chinle/Alluvium Interface
MKTF-20	12/08/20	4.00	9.60	8.76	0.19	8.95	6,942.83	6,942.98	2 - 10	Chinle/Alluvium Interface
MKTF-20	01/28/21	4.00	9.60	8.99	0.61	9.60	6,942.18	6,942.67	2 - 10	Chinle/Alluvium Interface
MKTF-20	02/28/21	4.00	9.61	ND	0.00	DRY	NA	NA	2 - 10	Chinle/Alluvium Interface
MKTF-20	03/31/21	4.00	9.61	8.95	0.28	9.23	6,942.55	6,942.77	2 - 10	Chinle/Alluvium Interface
MKTF-20	04/26/21	4.00	9.61	9.14	0.29	9.43	6,942.35	6,942.58	2 - 10	Chinle/Alluvium Interface
MKTF-20	05/20/21	4.00	9.61	8.90	0.27	9.17	6,942.61	6,942.83	2 - 10	Chinle/Alluvium Interface
MKTF-20	06/01/21	4.00	9.61	9.01	0.29	9.30	6,942.48	6,942.71	2 - 10	Chinle/Alluvium Interface
MKTF-20	07/07/21	4.00	9.61	ND	0.00	DRY	NA	NA	2 - 10	Chinle/Alluvium Interface
MKTF-20	08/02/21	4.00	9.61	ND	0.00	8.93	6,942.85	NA	2 - 10	Chinle/Alluvium Interface
MKTF-20	09/08/21	4.00	9.61	ND	0.00	DRY	NA	NA	2 - 10	Chinle/Alluvium Interface

**TABLE 2A. FLUID LEVEL MEASUREMENTS FOR WELLS MKTF-1 THROUGH MKTF-50
MARATHON GALLUP REFINERY
GALLUP, NEW MEXICO**

Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground-water Elevation (ft)	Corrected Water Table ¹ Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
MKTF-21	10/30/19	4.00	8.81	ND	0.00	8.32	6,944.25	NA	2 - 10	Chinle/Alluvium Interface
MKTF-21	02/05/20	4.00	8.83	ND	0.00	8.25	6,944.32	NA	2 - 10	Chinle/Alluvium Interface
MKTF-21	06/26/20	4.00	8.83	8.17	0.03	8.20	6,944.37	6944.39	2 - 10	Chinle/Alluvium Interface
MKTF-21	09/15/20	4.00	8.84	7.08	0.01	7.09	6,945.48	6945.49	2 - 10	Chinle/Alluvium Interface
MKTF-21	11/10/20	4.00	8.84	ND	0.00	6.41	6,946.16	NA	2 - 10	Chinle/Alluvium Interface
MKTF-21	12/04/20	4.00	8.80	8.04	0.01	8.05	6,944.52	6944.53	2 - 10	Chinle/Alluvium Interface
MKTF-21	01/28/21	4.00	8.80	ND	0.00	7.34	6,945.23	NA	2 - 10	Chinle/Alluvium Interface
MKTF-21	02/28/21	4.00	8.87	ND	0.00	7.81	6,944.76	NA	2 - 10	Chinle/Alluvium Interface
MKTF-21	03/31/21	4.00	8.87	ND	0.00	7.73	6,944.84	NA	2 - 10	Chinle/Alluvium Interface
MKTF-21	04/26/21	4.00	8.87	ND	0.00	7.28	6,945.29	NA	2 - 10	Chinle/Alluvium Interface
MKTF-21	05/20/21	4.00	8.87	ND	0.00	7.40	6,945.17	NA	2 - 10	Chinle/Alluvium Interface
MKTF-21	06/01/21	4.00	8.87	ND	0.00	6.98	6,945.59	NA	2 - 10	Chinle/Alluvium Interface
MKTF-21	07/07/21	4.00	8.87	ND	0.00	7.96	6,944.61	NA	2 - 10	Chinle/Alluvium Interface
MKTF-21	08/02/21	4.00	8.87	ND	0.00	8.64	6,943.93	NA	2 - 10	Chinle/Alluvium Interface
MKTF-21	09/08/21	4.00	8.87	ND	0.00	8.80	6,943.77	NA	2 - 10	Chinle/Alluvium Interface

**TABLE 2A. FLUID LEVEL MEASUREMENTS FOR WELLS MKTF-1 THROUGH MKTF-50
MARATHON GALLUP REFINERY
GALLUP, NEW MEXICO**

Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground-water Elevation (ft)	Corrected Water Table ¹ Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
MKTF-22	10/24/19	2.00	35.60	ND	0.00	25.40	6,916.91	NA	22 - 32	Chinle/Alluvium Interface
MKTF-22	02/27/20	2.00	35.25	24.48	1.05	25.53	6,916.78	6917.62	22 - 32	Chinle/Alluvium Interface
MKTF-22	06/29/20	2.00	35.25	24.57	3.14	27.71	6,914.60	6917.11	22 - 32	Chinle/Alluvium Interface
MKTF-22	09/14/20	2.00	35.09	24.98	2.70	27.68	6,914.63	6916.79	22 - 32	Chinle/Alluvium Interface
MKTF-22	11/10/20	2.00	35.09	24.94	2.35	27.29	6,915.02	6916.90	22 - 32	Chinle/Alluvium Interface
MKTF-22	12/04/20	2.00	35.09	25.10	2.45	27.55	6,914.76	6916.72	22 - 32	Chinle/Alluvium Interface
MKTF-22	01/28/21	2.00	35.09	25.28	2.69	27.97	6,914.34	6916.49	22 - 32	Chinle/Alluvium Interface
MKTF-22	02/28/21	2.00	35.66	25.17	2.68	27.85	6,914.46	6916.60	22 - 32	Chinle/Alluvium Interface
MKTF-22	03/31/21	2.00	35.66	25.77	1.48	27.25	6,915.06	6916.24	22 - 32	Chinle/Alluvium Interface
MKTF-22	04/26/21	2.00	35.66	26.01	0.22	26.23	6,916.08	6916.26	22 - 32	Chinle/Alluvium Interface
MKTF-22	05/20/21	2.00	35.66	25.15	1.83	26.98	6,915.33	6916.79	22 - 32	Chinle/Alluvium Interface
MKTF-22	06/01/21	2.00	35.66	26.10	2.10	28.20	6,914.11	6915.79	22 - 32	Chinle/Alluvium Interface
MKTF-22	07/21/21	2.00	35.66	25.27	2.88	28.15	6,914.16	6916.46	22 - 32	Chinle/Alluvium Interface
MKTF-22	08/25/21	2.00	35.66	25.59	2.04	27.63	6,914.68	6916.31	22 - 32	Chinle/Alluvium Interface
MKTF-22	09/09/21	2.00	35.66	25.64	1.97	27.61	6,914.70	6916.28	22 - 32	Chinle/Alluvium Interface

**TABLE 2A. FLUID LEVEL MEASUREMENTS FOR WELLS MKTF-1 THROUGH MKTF-50
MARATHON GALLUP REFINERY
GALLUP, NEW MEXICO**

Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground-water Elevation (ft)	Corrected Water Table ¹ Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
MKTF-23	10/28/19	2.00	20.36	ND	0.00	13.95	6,916.03	NA	7 - 17	Chinle/Alluvium Interface
MKTF-23	02/27/20	2.00	20.36	ND	0.00	13.42	6,916.56	NA	7 - 17	Chinle/Alluvium Interface
MKTF-23	06/29/20	2.00	20.36	ND	0.00	13.25	6,916.73	NA	7 - 17	Chinle/Alluvium Interface
MKTF-23	09/19/20	2.00	20.02	15.42	0.02	15.44	6,914.54	6,914.56	7 - 17	Chinle/Alluvium Interface
MKTF-23	11/10/20	2.00	20.02	ND	0.00	14.23	6,915.75	NA	7 - 17	Chinle/Alluvium Interface
MKTF-23	12/04/20	2.00	20.39	14.15	0.01	14.16	6,915.82	6,915.83	7 - 17	Chinle/Alluvium Interface
MKTF-23	12/28/20	2.00	20.76	ND	0.00	14.09	6,915.89	NA	7 - 17	Chinle/Alluvium Interface
MKTF-23	01/28/21	2.00	20.76	14.22	0.01	14.23	6,915.75	6,915.76	7 - 17	Chinle/Alluvium Interface
MKTF-23	02/28/21	2.00	20.41	14.38	0.01	14.39	6,915.59	6,915.60	7 - 17	Chinle/Alluvium Interface
MKTF-23	03/31/21	2.00	20.41	ND	0.00	14.21	6,915.77	NA	7 - 17	Chinle/Alluvium Interface
MKTF-23	04/26/21	2.00	20.41	ND	0.00	13.90	6,916.08	NA	7 - 17	Chinle/Alluvium Interface
MKTF-23	05/20/21	2.00	20.41	ND	0.00	14.19	6,915.79	NA	7 - 17	Chinle/Alluvium Interface
MKTF-23	06/01/21	2.00	20.41	ND	0.00	13.98	6,916.00	NA	7 - 17	Chinle/Alluvium Interface
MKTF-23	07/21/21	2.00	20.41	14.75	0.01	14.76	6,915.22	6,915.23	7 - 17	Chinle/Alluvium Interface
MKTF-23	08/25/21	2.00	20.41	14.38	0.02	14.40	6,915.58	6,915.60	7 - 17	Chinle/Alluvium Interface
MKTF-23	09/08/21	2.00	20.41	14.44	0.03	14.47	6,915.51	6,915.53	7 - 17	Chinle/Alluvium Interface

**TABLE 2A. FLUID LEVEL MEASUREMENTS FOR WELLS MKTF-1 THROUGH MKTF-50
MARATHON GALLUP REFINERY
GALLUP, NEW MEXICO**

Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground-water Elevation (ft)	Corrected Water Table ¹ Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
MKTF-24	10/22/19	2.00	30.82	ND	0.00	23.21	6,905.51	NA	18 - 28	Chinle/Alluvium Interface
MKTF-24	02/24/20	2.00	30.47	ND	0.00	22.17	6,906.55	NA	18 - 28	Chinle/Alluvium Interface
MKTF-24	06/26/20	2.00	30.47	ND	0.00	22.80	6,905.92	NA	18 - 28	Chinle/Alluvium Interface
MKTF-24	09/15/20	2.00	31.13	ND	0.00	23.35	6,905.37	NA	18 - 28	Chinle/Alluvium Interface
MKTF-24	11/10/20	2.00	31.13	ND	0.00	23.32	6,905.40	NA	18 - 28	Chinle/Alluvium Interface
MKTF-24	12/04/20	2.00	31.18	ND	0.00	23.22	6,905.50	NA	18 - 28	Chinle/Alluvium Interface
MKTF-24	01/28/21	2.00	31.23	ND	0.00	23.26	6,905.46	NA	18 - 28	Chinle/Alluvium Interface
MKTF-24	02/27/21	2.00	31.47	ND	0.00	22.97	6,905.75	NA	18 - 28	Chinle/Alluvium Interface
MKTF-24	03/31/21	2.00	31.47	ND	0.00	23.16	6,905.56	NA	18 - 28	Chinle/Alluvium Interface
MKTF-24	04/26/21	2.00	31.47	ND	0.00	24.16	6,904.56	NA	18 - 28	Chinle/Alluvium Interface
MKTF-24	05/20/21	2.00	31.47	ND	0.00	23.21	6,905.51	NA	18 - 28	Chinle/Alluvium Interface
MKTF-24	06/01/21	2.00	31.47	ND	0.00	23.40	6,905.32	NA	18 - 28	Chinle/Alluvium Interface
MKTF-24	07/21/21	2.00	31.47	ND	0.00	21.16	6,907.56	NA	18 - 28	Chinle/Alluvium Interface
MKTF-24	08/26/21	2.00	31.47	ND	0.00	23.68	6,905.04	NA	18 - 28	Chinle/Alluvium Interface
MKTF-24	09/08/21	2.00	31.40	ND	0.00	24.00	6,904.72	NA	18 - 28	Chinle/Alluvium Interface

**TABLE 2A. FLUID LEVEL MEASUREMENTS FOR WELLS MKTF-1 THROUGH MKTF-50
MARATHON GALLUP REFINERY
GALLUP, NEW MEXICO**

Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground-water Elevation (ft)	Corrected Water Table ¹ Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
MKTF-25	10/22/19	2.00	19.80	ND	0.00	13.72	6,902.47	NA	6 - 16	Chinle/Alluvium Interface
MKTF-25	02/26/20	2.00	19.43	ND	0.00	12.94	6,903.25	NA	6 - 16	Chinle/Alluvium Interface
MKTF-25	06/26/20	2.00	19.43	ND	0.00	13.33	6,902.86	NA	6 - 16	Chinle/Alluvium Interface
MKTF-25	09/15/20	2.00	20.09	ND	0.00	13.90	6,902.29	NA	6 - 16	Chinle/Alluvium Interface
MKTF-25	11/10/20	2.00	20.09	ND	0.00	13.75	6,902.44	NA	6 - 16	Chinle/Alluvium Interface
MKTF-25	12/04/20	2.00	20.38	ND	0.00	13.62	6,902.57	NA	6 - 16	Chinle/Alluvium Interface
MKTF-25	01/28/21	2.00	20.38	ND	0.00	13.54	6,902.65	NA	6 - 16	Chinle/Alluvium Interface
MKTF-25	02/27/21	2.00	20.09	ND	0.00	13.46	6,902.73	NA	6 - 16	Chinle/Alluvium Interface
MKTF-25	03/31/21	2.00	20.09	ND	0.00	13.41	6,902.78	NA	6 - 16	Chinle/Alluvium Interface
MKTF-25	04/26/21	2.00	20.09	ND	0.00	14.14	6,902.05	NA	6 - 16	Chinle/Alluvium Interface
MKTF-25	05/20/21	2.00	20.09	ND	0.00	13.32	6,902.87	NA	6 - 16	Chinle/Alluvium Interface
MKTF-25	06/01/21	2.00	20.09	ND	0.00	13.56	6,902.63	NA	6 - 16	Chinle/Alluvium Interface
MKTF-25	07/21/21	2.00	20.09	ND	0.00	12.88	6,903.31	NA	6 - 16	Chinle/Alluvium Interface
MKTF-25	08/26/21	2.00	20.09	ND	0.00	14.14	6,902.05	NA	6 - 16	Chinle/Alluvium Interface
MKTF-25	09/08/21	2.00	20.09	ND	0.00	14.45	6,901.74	NA	6 - 16	Chinle/Alluvium Interface

**TABLE 2A. FLUID LEVEL MEASUREMENTS FOR WELLS MKTF-1 THROUGH MKTF-50
MARATHON GALLUP REFINERY
GALLUP, NEW MEXICO**

Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground-water Elevation (ft)	Corrected Water Table ¹ Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
MKTF-26	10/22/19	2.00	17.15	8.63	0.73	9.36	6,905.95	6,906.53	4 - 14	Chinle/Alluvium Interface
MKTF-26	02/26/20	2.00	17.15	8.35	0.76	9.11	6,906.20	6906.81	4 - 14	Chinle/Alluvium Interface
MKTF-26	06/26/20	2.00	17.15	8.61	0.89	9.50	6,905.81	6906.52	4 - 14	Chinle/Alluvium Interface
MKTF-26	09/15/20	2.00	16.85	8.81	0.75	9.56	6,905.75	6906.35	4 - 14	Chinle/Alluvium Interface
MKTF-26	11/10/20	2.00	16.85	8.65	0.71	9.36	6,905.95	6906.52	4 - 14	Chinle/Alluvium Interface
MKTF-26	12/04/20	2.00	17.16	7.67	1.72	9.39	6,905.92	6907.30	4 - 14	Chinle/Alluvium Interface
MKTF-26	01/28/21	2.00	17.16	8.93	0.27	9.20	6,906.11	6906.33	4 - 14	Chinle/Alluvium Interface
MKTF-26	02/27/21	2.00	16.90	8.88	0.17	9.05	6,906.26	6906.40	4 - 14	Chinle/Alluvium Interface
MKTF-26	03/31/21	2.00	16.90	9.00	0.11	9.11	6,906.20	6906.29	4 - 14	Chinle/Alluvium Interface
MKTF-26	04/26/21	2.00	16.90	8.81	0.11	8.92	6,906.39	6906.48	4 - 14	Chinle/Alluvium Interface
MKTF-26	05/20/21	2.00	16.90	9.02	0.12	9.14	6,906.17	6906.27	4 - 14	Chinle/Alluvium Interface
MKTF-26	06/01/21	2.00	16.90	9.10	0.09	9.19	6,906.12	6906.19	4 - 14	Chinle/Alluvium Interface
MKTF-26	07/07/21	2.00	16.90	ND	0.00	9.34	6,905.97	NA	4 - 14	Chinle/Alluvium Interface
MKTF-26	08/26/21	2.00	16.90	8.98	0.02	9.00	6,906.31	6906.33	4 - 14	Chinle/Alluvium Interface
MKTF-26	09/09/21	2.00	16.90	9.02	0.02	9.04	6,906.27	6906.29	4 - 14	Chinle/Alluvium Interface

**TABLE 2A. FLUID LEVEL MEASUREMENTS FOR WELLS MKTF-1 THROUGH MKTF-50
MARATHON GALLUP REFINERY
GALLUP, NEW MEXICO**

Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground-water Elevation (ft)	Corrected Water Table ¹ Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
MKTF-27	10/30/19	2.00	14.72	ND	0.00	6.14	6,911.76	NA	1 - 12	Chinle/Alluvium Interface
MKTF-27	02/24/20	2.00	14.72	ND	0.00	3.61	6,914.29	NA	1 - 12	Chinle/Alluvium Interface
MKTF-27	06/30/20	2.00	14.72	ND	0.00	6.70	6,911.20	NA	1 - 12	Chinle/Alluvium Interface
MKTF-27	09/15/20	2.00	14.72	ND	0.00	6.21	6,911.69	NA	1 - 12	Chinle/Alluvium Interface
MKTF-27	11/10/20	2.00	14.72	ND	0.00	6.72	6,911.18	NA	1 - 12	Chinle/Alluvium Interface
MKTF-27	12/04/20	2.00	14.74	ND	0.00	6.47	6,911.43	NA	1 - 12	Chinle/Alluvium Interface
MKTF-27	01/28/21	2.00	14.74	ND	0.00	6.62	6,911.28	NA	1 - 12	Chinle/Alluvium Interface
MKTF-27	02/28/21	2.00	14.76	ND	0.00	5.51	6,912.39	NA	1 - 12	Chinle/Alluvium Interface
MKTF-27	03/31/21	2.00	14.76	ND	0.00	6.48	6,911.42	NA	1 - 12	Chinle/Alluvium Interface
MKTF-27	04/26/21	2.00	14.76	ND	0.00	6.18	6,911.72	NA	1 - 12	Chinle/Alluvium Interface
MKTF-27	05/20/21	2.00	14.76	ND	0.00	6.52	6,911.38	NA	1 - 12	Chinle/Alluvium Interface
MKTF-27	06/01/21	2.00	14.76	ND	0.00	6.69	6,911.21	NA	1 - 12	Chinle/Alluvium Interface
MKTF-27	07/21/21	2.00	14.76	ND	0.00	5.75	6,912.15	NA	1 - 12	Chinle/Alluvium Interface
MKTF-27	08/26/21	2.00	14.76	ND	0.00	6.58	6,911.32	NA	1 - 12	Chinle/Alluvium Interface
MKTF-27	09/09/21	2.00	14.76	ND	0.00	7.00	6,910.90	NA	1 - 12	Chinle/Alluvium Interface

**TABLE 2A. FLUID LEVEL MEASUREMENTS FOR WELLS MKTF-1 THROUGH MKTF-50
MARATHON GALLUP REFINERY
GALLUP, NEW MEXICO**

Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground-water Elevation (ft)	Corrected Water Table ¹ Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
MKTF-28	10/22/19	2.00	16.13	ND	0.00	6.38	6,915.14	NA	3 - 13	Chinle/Alluvium Interface
MKTF-28	02/24/20	2.00	16.16	ND	0.00	4.53	6,916.99	NA	3 - 13	Chinle/Alluvium Interface
MKTF-28	06/30/20	2.00	16.16	ND	0.00	4.84	6,916.68	NA	3 - 13	Chinle/Alluvium Interface
MKTF-28	09/15/20	2.00	16.17	ND	0.00	4.59	6,916.93	NA	3 - 13	Chinle/Alluvium Interface
MKTF-28	11/10/20	2.00	16.17	ND	0.00	8.81	6,912.71	NA	3 - 13	Chinle/Alluvium Interface
MKTF-28	12/04/20	2.00	16.16	ND	0.00	7.13	6,914.39	NA	3 - 13	Chinle/Alluvium Interface
MKTF-28	01/28/21	2.00	16.16	ND	0.00	9.74	6,911.78	NA	3 - 13	Chinle/Alluvium Interface
MKTF-28	02/28/21	2.00	16.16	ND	0.00	8.18	6,913.34	NA	3 - 13	Chinle/Alluvium Interface
MKTF-28	03/31/21	2.00	16.16	ND	0.00	8.51	6,913.01	NA	3 - 13	Chinle/Alluvium Interface
MKTF-28	04/26/21	2.00	16.16	ND	0.00	8.47	6,913.05	NA	3 - 13	Chinle/Alluvium Interface
MKTF-28	05/20/21	2.00	16.16	ND	0.00	7.94	6,913.58	NA	3 - 13	Chinle/Alluvium Interface
MKTF-28	06/01/21	2.00	16.16	ND	0.00	7.87	6,913.65	NA	3 - 13	Chinle/Alluvium Interface
MKTF-28	07/21/21	2.00	16.16	ND	0.00	8.55	6,912.97	NA	3 - 13	Chinle/Alluvium Interface
MKTF-28	08/26/21	2.00	16.16	ND	0.00	9.00	6,912.52	NA	3 - 13	Chinle/Alluvium Interface
MKTF-28	09/09/21	2.00	16.16	ND	0.00	8.40	6,913.12	NA	3 - 13	Chinle/Alluvium Interface

**TABLE 2A. FLUID LEVEL MEASUREMENTS FOR WELLS MKTF-1 THROUGH MKTF-50
MARATHON GALLUP REFINERY
GALLUP, NEW MEXICO**

Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground-water Elevation (ft)	Corrected Water Table ¹ Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
MKTF-29	10/22/19	2.00	22.80	ND	0.00	6.32	6,895.30	NA	10 - 20	Chinle/Alluvium Interface
MKTF-29	02/24/20	2.00	22.84	ND	0.00	4.49	6,897.13	NA	10 - 20	Chinle/Alluvium Interface
MKTF-29	06/26/20	2.00	22.84	ND	0.00	6.42	6,895.20	NA	10 - 20	Chinle/Alluvium Interface
MKTF-29	09/15/20	2.00	22.78	ND	0.00	8.01	6,893.61	NA	10 - 20	Chinle/Alluvium Interface
MKTF-29	11/10/20	2.00	22.78	ND	0.00	6.98	6,894.64	NA	10 - 20	Chinle/Alluvium Interface
MKTF-29	12/04/20	2.00	22.85	ND	0.00	6.40	6,895.22	NA	10 - 20	Chinle/Alluvium Interface
MKTF-29	01/28/21	2.00	22.85	ND	0.00	5.61	6,896.01	NA	10 - 20	Chinle/Alluvium Interface
MKTF-29	02/28/21	2.00	22.83	ND	0.00	5.31	6,896.31	NA	10 - 20	Chinle/Alluvium Interface
MKTF-29	03/31/21	2.00	22.83	ND	0.00	5.20	6,896.42	NA	10 - 20	Chinle/Alluvium Interface
MKTF-29	04/26/21	2.00	22.83	ND	0.00	4.92	6,896.70	NA	10 - 20	Chinle/Alluvium Interface
MKTF-29	05/20/21	2.00	22.83	ND	0.00	5.21	6,896.41	NA	10 - 20	Chinle/Alluvium Interface
MKTF-29	06/01/21	2.00	22.83	ND	0.00	4.12	6,897.50	NA	10 - 20	Chinle/Alluvium Interface
MKTF-29	07/21/21	2.00	22.83	ND	0.00	7.90	6,893.72	NA	10 - 20	Chinle/Alluvium Interface
MKTF-29	08/26/21	2.00	22.83	ND	0.00	8.31	6,893.31	NA	10 - 20	Chinle/Alluvium Interface
MKTF-29	09/09/21	2.00	22.83	ND	0.00	8.75	6,892.87	NA	10 - 20	Chinle/Alluvium Interface

**TABLE 2A. FLUID LEVEL MEASUREMENTS FOR WELLS MKTF-1 THROUGH MKTF-50
MARATHON GALLUP REFINERY
GALLUP, NEW MEXICO**

Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground-water Elevation (ft)	Corrected Water Table ¹ Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
MKTF-30	10/22/19	2.00	23.19	ND	0.00	15.82	6,884.98	NA	10 - 20	Chinle/Alluvium Interface
MKTF-30	02/26/20	2.00	23.20	ND	0.00	15.31	6,885.49	NA	10 - 20	Chinle/Alluvium Interface
MKTF-30	06/26/20	2.00	23.20	ND	0.00	16.19	6,884.61	NA	10 - 20	Chinle/Alluvium Interface
MKTF-30	09/15/20	2.00	23.22	ND	0.00	16.66	6,884.14	NA	10 - 20	Chinle/Alluvium Interface
MKTF-30	11/10/20	2.00	23.22	ND	0.00	16.87	6,883.93	NA	10 - 20	Chinle/Alluvium Interface
MKTF-30	12/04/20	2.00	23.22	ND	0.00	16.76	6,884.04	NA	10 - 20	Chinle/Alluvium Interface
MKTF-30	01/28/21	2.00	23.22	ND	0.00	16.79	6,884.01	NA	10 - 20	Chinle/Alluvium Interface
MKTF-30	02/28/21	2.00	22.95	ND	0.00	16.33	6,884.47	NA	10 - 20	Chinle/Alluvium Interface
MKTF-30	03/31/21	2.00	22.95	ND	0.00	16.40	6,884.40	NA	10 - 20	Chinle/Alluvium Interface
MKTF-30	04/26/21	2.00	22.95	ND	0.00	16.20	6,884.60	NA	10 - 20	Chinle/Alluvium Interface
MKTF-30	05/20/21	2.00	22.95	ND	0.00	16.39	6,884.41	NA	10 - 20	Chinle/Alluvium Interface
MKTF-30	06/01/21	2.00	22.95	ND	0.00	16.32	6,884.48	NA	10 - 20	Chinle/Alluvium Interface
MKTF-30	07/21/21	2.00	22.95	ND	0.00	17.03	6,883.77	NA	10 - 20	Chinle/Alluvium Interface
MKTF-30	08/26/21	2.00	22.95	ND	0.00	17.32	6,883.48	NA	10 - 20	Chinle/Alluvium Interface
MKTF-30	09/09/21	2.00	22.95	ND	0.00	17.39	6,883.41	NA	10 - 20	Chinle/Alluvium Interface

**TABLE 2A. FLUID LEVEL MEASUREMENTS FOR WELLS MKTF-1 THROUGH MKTF-50
MARATHON GALLUP REFINERY
GALLUP, NEW MEXICO**

Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground-water Elevation (ft)	Corrected Water Table ¹ Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
MKTF-31	10/22/19	2.00	19.30	ND	0.00	8.64	6,898.23	NA	6 - 21	Chinle/Alluvium Interface
MKTF-31	02/24/20	2.00	22.81	ND	0.00	8.10	6,898.77	NA	6 - 21	Chinle/Alluvium Interface
MKTF-31	06/26/20	2.00	22.81	ND	0.00	8.25	6,898.62	NA	6 - 21	Chinle/Alluvium Interface
MKTF-31	09/15/20	2.00	19.34	ND	0.00	8.75	6,898.12	NA	6 - 21	Chinle/Alluvium Interface
MKTF-31	11/10/20	2.00	19.34	ND	0.00	8.79	6,898.08	NA	6 - 21	Chinle/Alluvium Interface
MKTF-31	12/04/20	2.00	19.37	ND	0.00	8.73	6,898.14	NA	6 - 21	Chinle/Alluvium Interface
MKTF-31	01/28/21	2.00	13.37	ND	0.00	8.62	6,898.25	NA	6 - 21	Chinle/Alluvium Interface
MKTF-31	02/28/21	2.00	19.36	ND	0.00	8.53	6,898.34	NA	6 - 21	Chinle/Alluvium Interface
MKTF-31	03/31/21	2.00	19.36	ND	0.00	8.61	6,898.26	NA	6 - 21	Chinle/Alluvium Interface
MKTF-31	04/26/21	2.00	19.36	ND	0.00	8.40	6,898.47	NA	6 - 21	Chinle/Alluvium Interface
MKTF-31	05/20/21	2.00	19.36	ND	0.00	8.51	6,898.36	NA	6 - 21	Chinle/Alluvium Interface
MKTF-31	06/01/21	2.00	19.36	ND	0.00	8.43	6,898.44	NA	6 - 21	Chinle/Alluvium Interface
MKTF-31	07/21/21	2.00	19.36	ND	0.00	8.63	6,898.24	NA	6 - 21	Chinle/Alluvium Interface
MKTF-31	08/26/21	2.00	19.36	ND	0.00	9.25	6,897.62	NA	6 - 21	Chinle/Alluvium Interface
MKTF-31	09/09/21	2.00	19.35	ND	0.00	9.40	6,897.47	NA	6 - 21	Chinle/Alluvium Interface

**TABLE 2A. FLUID LEVEL MEASUREMENTS FOR WELLS MKTF-1 THROUGH MKTF-50
MARATHON GALLUP REFINERY
GALLUP, NEW MEXICO**

Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground-water Elevation (ft)	Corrected Water Table ¹ Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
MKTF-32	10/23/19	2.00	27.75	ND	0.00	14.01	6,897.10	NA	9- 26	Chinle/Alluvium Interface
MKTF-32	02/26/20	2.00	27.75	ND	0.00	13.78	6,897.33	NA	9- 26	Chinle/Alluvium Interface
MKTF-32	06/29/20	2.00	27.75	ND	0.00	14.25	6,896.86	NA	9- 26	Chinle/Alluvium Interface
MKTF-32	09/14/20	2.00	27.46	ND	0.00	14.58	6,896.53	NA	9- 26	Chinle/Alluvium Interface
MKTF-32	11/10/20	2.00	27.46	ND	0.00	14.31	6,896.80	NA	9- 26	Chinle/Alluvium Interface
MKTF-32	12/04/20	2.00	27.82	ND	0.00	14.25	6,896.86	NA	9- 26	Chinle/Alluvium Interface
MKTF-32	01/28/21	2.00	27.82	14.08	0.01	14.08	6,897.03	6897.04	9- 26	Chinle/Alluvium Interface
MKTF-32	02/27/21	2.00	27.79	14.01	0.01	14.02	6,897.09	6897.10	9- 26	Chinle/Alluvium Interface
MKTF-32	03/31/21	2.00	27.79	ND	0.00	14.11	6,897.00	NA	9- 26	Chinle/Alluvium Interface
MKTF-32	04/26/21	2.00	27.79	ND	0.00	13.90	6,897.21	NA	9- 26	Chinle/Alluvium Interface
MKTF-32	05/20/21	2.00	27.79	ND	0.00	14.15	6,896.96	NA	9- 26	Chinle/Alluvium Interface
MKTF-32	06/01/21	2.00	27.79	ND	0.00	13.86	6,897.25	NA	9- 26	Chinle/Alluvium Interface
MKTF-32	07/21/21	2.00	27.79	ND	0.00	14.22	6,896.89	NA	9- 26	Chinle/Alluvium Interface
MKTF-32	08/25/21	2.00	27.79	ND	0.00	14.95	6,896.16	NA	9- 26	Chinle/Alluvium Interface
MKTF-32	09/09/21	2.00	27.79	ND	0.00	15.20	6,895.91	NA	9- 26	Chinle/Alluvium Interface

**TABLE 2A. FLUID LEVEL MEASUREMENTS FOR WELLS MKTF-1 THROUGH MKTF-50
MARATHON GALLUP REFINERY
GALLUP, NEW MEXICO**

Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground-water Elevation (ft)	Corrected Water Table ¹ Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
MKTF-33	10/24/19	2.00	33.22	ND	0.00	22.50	6,917.25	NA	20 - 30	Chinle/Alluvium Interface
MKTF-33	02/27/20	2.00	33.20	ND	0.00	22.71	6,917.04	NA	20 - 30	Chinle/Alluvium Interface
MKTF-33	06/29/20	2.00	33.20	ND	0.00	21.17	6,918.58	NA	20 - 30	Chinle/Alluvium Interface
MKTF-33	09/14/20	2.00	33.15	21.61	6.41	28.02	6,911.73	6916.86	20 - 30	Chinle/Alluvium Interface
MKTF-33	11/10/20	2.00	33.15	21.65	6.16	27.81	6,911.94	6916.87	20 - 30	Chinle/Alluvium Interface
MKTF-33	12/04/20	2.00	33.57	21.69	6.08	27.77	6,911.98	6916.84	20 - 30	Chinle/Alluvium Interface
MKTF-33	01/28/21	2.00	33.57	22.58	3.38	25.96	6,913.79	6916.49	20 - 30	Chinle/Alluvium Interface
MKTF-33	02/27/21	2.00	33.28	23.00	0.75	23.75	6,916.00	6916.60	20 - 30	Chinle/Alluvium Interface
MKTF-33	03/31/21	2.00	33.28	23.19	0.22	23.41	6,916.34	6916.52	20 - 30	Chinle/Alluvium Interface
MKTF-33	04/26/21	2.00	33.28	24.16	0.61	24.77	6,914.98	6915.47	20 - 30	Chinle/Alluvium Interface
MKTF-33	05/20/21	2.00	33.28	23.21	0.31	23.52	6,916.23	6916.48	20 - 30	Chinle/Alluvium Interface
MKTF-33	06/01/21	2.00	33.28	23.07	0.38	23.45	6,916.30	6916.60	20 - 30	Chinle/Alluvium Interface
MKTF-33	07/07/21	2.00	33.28	23.35	0.05	23.40	6,916.35	6916.39	20 - 30	Chinle/Alluvium Interface
MKTF-33	08/25/21	2.00	33.28	23.45	0.15	23.60	6,916.15	6916.27	20 - 30	Chinle/Alluvium Interface
MKTF-33	09/09/21	2.00	33.28	23.47	0.18	23.65	6,916.10	6916.24	20 - 30	Chinle/Alluvium Interface

**TABLE 2A. FLUID LEVEL MEASUREMENTS FOR WELLS MKTF-1 THROUGH MKTF-50
MARATHON GALLUP REFINERY
GALLUP, NEW MEXICO**

Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground-water Elevation (ft)	Corrected Water Table ¹ Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
MKTF-34	11/12/19	2.00	27.70	ND	0.00	18.06	6,927.29	NA	9 - 24	Chinle/Alluvium Interface
MKTF-34	02/05/20	2.00	27.70	ND	0.00	17.78	6,927.57	NA	9 - 24	Chinle/Alluvium Interface
MKTF-34	06/29/20	2.00	27.70	19.04	0.02	19.06	6,926.29	6926.31	9 - 24	Chinle/Alluvium Interface
MKTF-34	09/14/20	2.00	27.76	ND	0.00	19.09	6,926.26	NA	9 - 24	Chinle/Alluvium Interface
MKTF-34	11/10/20	2.00	27.76	ND	0.00	19.08	6,926.27	NA	9 - 24	Chinle/Alluvium Interface
MKTF-34	12/04/20	2.00	27.78	18.91	0.01	18.92	6,926.43	6,926.44	9 - 24	Chinle/Alluvium Interface
MKTF-34	01/28/21	2.00	27.80	ND	0.00	19.39	6,925.96	NA	9 - 24	Chinle/Alluvium Interface
MKTF-34	02/28/21	2.00	27.79	18.40	0.01	18.41	6,926.94	6,926.95	9 - 24	Chinle/Alluvium Interface
MKTF-34	03/31/21	2.00	27.79	ND	0.00	20.61	6,924.74	NA	9 - 24	Chinle/Alluvium Interface
MKTF-34	04/26/21	2.00	27.79	ND	0.00	22.61	6,922.74	NA	9 - 24	Chinle/Alluvium Interface
MKTF-34	05/20/21	2.00	27.79	ND	0.00	20.60	6,924.75	NA	9 - 24	Chinle/Alluvium Interface
MKTF-34	06/01/21	2.00	27.79	ND	0.00	20.23	6,925.12	NA	9 - 24	Chinle/Alluvium Interface
MKTF-34	07/21/21	2.00	27.79	ND	0.00	20.21	6,925.14	NA	9 - 24	Chinle/Alluvium Interface
MKTF-34	08/25/21	2.00	27.79	ND	0.00	19.80	6,925.55	NA	9 - 24	Chinle/Alluvium Interface
MKTF-34	09/09/21	2.00	27.79	ND	0.00	19.90	6,925.45	NA	9 - 24	Chinle/Alluvium Interface

**TABLE 2A. FLUID LEVEL MEASUREMENTS FOR WELLS MKTF-1 THROUGH MKTF-50
MARATHON GALLUP REFINERY
GALLUP, NEW MEXICO**

Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground-water Elevation (ft)	Corrected Water Table ¹ Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
MKTF-35	11/12/19	2.00	16.45	ND	0.00	8.60	6,943.05	NA	6 - 16	Chinle/Alluvium Interface
MKTF-35	02/05/20	2.00	16.45	ND	0.00	9.28	6,942.37	NA	6 - 16	Chinle/Alluvium Interface
MKTF-35	06/30/20	2.00	16.45	ND	0.00	9.25	6,942.40	NA	6 - 16	Chinle/Alluvium Interface
MKTF-35	09/14/20	2.00	16.23	ND	0.00	8.59	6,943.06	NA	6 - 16	Chinle/Alluvium Interface
MKTF-35	11/10/20	2.00	16.23	ND	0.00	8.86	6,942.79	NA	6 - 16	Chinle/Alluvium Interface
MKTF-35	12/04/20	2.00	16.39	9.02	0.01	9.03	6,942.62	6,942.63	6 - 16	Chinle/Alluvium Interface
MKTF-35	01/28/21	2.00	16.39	ND	0.00	9.46	6,942.19	NA	6 - 16	Chinle/Alluvium Interface
MKTF-35	02/28/21	2.00	16.55	ND	0.00	9.17	6,942.48	NA	6 - 16	Chinle/Alluvium Interface
MKTF-35	03/31/21	2.00	16.55	ND	0.00	9.50	6,942.15	NA	6 - 16	Chinle/Alluvium Interface
MKTF-35	04/26/21	2.00	16.55	ND	0.00	10.33	6,941.32	NA	6 - 16	Chinle/Alluvium Interface
MKTF-35	05/20/21	2.00	16.55	ND	0.00	9.60	6,942.05	NA	6 - 16	Chinle/Alluvium Interface
MKTF-35	06/01/21	2.00	16.55	ND	0.00	9.47	6,942.18	NA	6 - 16	Chinle/Alluvium Interface
MKTF-35	07/21/21	2.00	16.55	ND	0.00	9.47	6,942.18	NA	6 - 16	Chinle/Alluvium Interface
MKTF-35	08/25/21	2.00	16.55	ND	0.00	9.66	6,941.99	NA	6 - 16	Chinle/Alluvium Interface
MKTF-35	09/09/21	2.00	16.55	ND	0.00	9.81	6,941.84	NA	6 - 16	Chinle/Alluvium Interface

**TABLE 2A. FLUID LEVEL MEASUREMENTS FOR WELLS MKTF-1 THROUGH MKTF-50
MARATHON GALLUP REFINERY
GALLUP, NEW MEXICO**

Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground-water Elevation (ft)	Corrected Water Table ¹ Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
MKTF-36	12/02/19	2.00	15.61	8.25	0.70	8.95	6,944.56	6,945.12	5 - 15	Chinle/Alluvium Interface
MKTF-36	02/03/20	2.00	15.61	7.89	0.55	8.44	6,945.07	6945.51	5 - 15	Chinle/Alluvium Interface
MKTF-36	06/30/20	2.00	15.61	8.04	0.21	8.25	6,945.26	6945.43	5 - 15	Chinle/Alluvium Interface
MKTF-36	09/14/20	2.00	15.58	ND	0.00	7.87	6,945.64	NA	5 - 15	Chinle/Alluvium Interface
MKTF-36	11/10/20	2.00	15.58	7.98	0.05	8.03	6,945.48	6945.52	5 - 15	Chinle/Alluvium Interface
MKTF-36	12/04/20	2.00	15.58	8.10	0.07	8.17	6,945.34	6945.40	5 - 15	Chinle/Alluvium Interface
MKTF-36	01/28/21	2.00	15.58	8.13	0.05	8.18	6,945.33	6945.37	5 - 15	Chinle/Alluvium Interface
MKTF-36	02/28/21	2.00	15.58	8.26	0.01	8.27	6,945.24	6945.25	5 - 15	Chinle/Alluvium Interface
MKTF-36	03/31/21	2.00	15.58	ND	0.00	8.36	6,945.15	NA	5 - 15	Chinle/Alluvium Interface
MKTF-36	04/26/21	2.00	15.58	ND	0.00	8.91	6,944.60	NA	5 - 15	Chinle/Alluvium Interface
MKTF-36	05/20/21	2.00	15.58	ND	0.00	8.30	6,945.21	NA	5 - 15	Chinle/Alluvium Interface
MKTF-36	06/01/21	2.00	15.58	ND	0.00	8.11	6,945.40	NA	5 - 15	Chinle/Alluvium Interface
MKTF-36	07/21/21	2.00	15.58	8.20	0.05	8.25	6,945.26	6945.30	5 - 15	Chinle/Alluvium Interface
MKTF-36	08/25/21	2.00	15.58	8.45	0.15	8.60	6,944.91	6945.03	5 - 15	Chinle/Alluvium Interface
MKTF-36	09/08/21	2.00	15.58	8.44	0.12	8.56	6,944.95	6945.05	5 - 15	Chinle/Alluvium Interface

**TABLE 2A. FLUID LEVEL MEASUREMENTS FOR WELLS MKTF-1 THROUGH MKTF-50
MARATHON GALLUP REFINERY
GALLUP, NEW MEXICO**

Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground-water Elevation (ft)	Corrected Water Table ¹ Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
MKTF-37	11/12/19	2.00	24.60	9.52	0.04	9.56	6,949.31	6,949.34	4 - 24	Chinle/Alluvium Interface
MKTF-37	02/03/20	2.00	24.60	9.77	0.12	9.89	6,948.98	6949.08	4 - 24	Chinle/Alluvium Interface
MKTF-37	06/30/20	2.00	24.60	9.61	0.02	9.63	6,949.24	6949.26	4 - 24	Chinle/Alluvium Interface
MKTF-37	09/14/20	2.00	24.54	ND	0.00	8.76	6,950.11	NA	4 - 24	Chinle/Alluvium Interface
MKTF-37	11/10/20	2.00	24.54	9.36	0.01	9.37	6,949.50	6949.51	4 - 24	Chinle/Alluvium Interface
MKTF-37	12/04/20	2.00	24.61	9.64	0.01	9.65	6,949.22	6949.23	4 - 24	Chinle/Alluvium Interface
MKTF-37	01/28/21	2.00	24.61	9.64	0.01	9.65	6,949.22	6949.23	4 - 24	Chinle/Alluvium Interface
MKTF-37	02/28/21	2.00	24.67	9.65	0.02	9.67	6,949.20	6949.22	4 - 24	Chinle/Alluvium Interface
MKTF-37	03/31/21	2.00	24.67	9.83	0.02	9.85	6,949.02	6949.04	4 - 24	Chinle/Alluvium Interface
MKTF-37	04/26/21	2.00	24.67	10.10	0.03	10.13	6,948.74	6948.76	4 - 24	Chinle/Alluvium Interface
MKTF-37	05/20/21	2.00	24.67	9.79	0.03	9.82	6,949.05	6949.07	4 - 24	Chinle/Alluvium Interface
MKTF-37	06/01/21	2.00	24.67	9.86	0.04	9.90	6,948.97	6949.00	4 - 24	Chinle/Alluvium Interface
MKTF-37	07/21/21	2.00	24.67	9.85	0.41	10.26	6,948.61	6948.94	4 - 24	Chinle/Alluvium Interface
MKTF-37	08/25/21	2.00	24.67	10.40	0.05	10.45	6,948.42	6948.46	4 - 24	Chinle/Alluvium Interface
MKTF-37	09/08/21	2.00	24.67	9.94	0.17	10.11	6,948.76	6948.90	4 - 24	Chinle/Alluvium Interface

**TABLE 2A. FLUID LEVEL MEASUREMENTS FOR WELLS MKTF-1 THROUGH MKTF-50
MARATHON GALLUP REFINERY
GALLUP, NEW MEXICO**

Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground-water Elevation (ft)	Corrected Water Table ¹ Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
MKTF-38	12/03/19	2.00	20.29	ND	0.00	9.50	6,945.39	NA	5 - 20	Chinle/Alluvium Interface
MKTF-38	03/04/20	2.00	20.31	ND	0.00	9.61	6,945.28	NA	5 - 20	Chinle/Alluvium Interface
MKTF-38	06/26/20	2.00	20.33	ND	0.00	9.38	6,945.51	NA	5 - 20	Chinle/Alluvium Interface
MKTF-38	09/14/20	2.00	20.18	ND	0.00	8.55	6,946.34	NA	5 - 20	Chinle/Alluvium Interface
MKTF-38	11/10/20	2.00	20.18	ND	0.00	9.12	6,945.77	NA	5 - 20	Chinle/Alluvium Interface
MKTF-38	12/04/20	2.00	21.30	9.35	0.01	9.36	6,945.53	6,945.54	5 - 20	Chinle/Alluvium Interface
MKTF-38	02/28/21	2.00	21.30	ND	0.00	9.22	6,945.67	NA	5 - 20	Chinle/Alluvium Interface
MKTF-38	02/28/21	2.00	20.34	ND	0.00	9.17	6,945.72	NA	5 - 20	Chinle/Alluvium Interface
MKTF-38	03/31/21	2.00	20.34	ND	0.00	9.30	6,945.59	NA	5 - 20	Chinle/Alluvium Interface
MKTF-38	04/26/21	2.00	20.34	ND	0.00	8.86	6,946.03	NA	5 - 20	Chinle/Alluvium Interface
MKTF-38	05/20/21	2.00	20.34	ND	0.00	9.31	6,945.58	NA	5 - 20	Chinle/Alluvium Interface
MKTF-38	06/01/21	2.00	20.34	ND	0.00	8.95	6,945.94	NA	5 - 20	Chinle/Alluvium Interface
MKTF-38	07/21/21	2.00	20.34	ND	0.00	9.89	6,945.00	NA	5 - 20	Chinle/Alluvium Interface
MKTF-38	08/25/21	2.00	20.34	ND	0.00	10.15	6,944.74	NA	5 - 20	Chinle/Alluvium Interface
MKTF-38	09/08/21	2.00	20.34	ND	0.00	10.30	6,944.59	NA	5 - 20	Chinle/Alluvium Interface

**TABLE 2A. FLUID LEVEL MEASUREMENTS FOR WELLS MKTF-1 THROUGH MKTF-50
MARATHON GALLUP REFINERY
GALLUP, NEW MEXICO**

Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground-water Elevation (ft)	Corrected Water Table ¹ Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
MKTF-39	11/04/19	2.00	15.18	ND	0.00	9.59	6,944.16	NA	5 - 15	Chinle/Alluvium Interface
MKTF-39	02/03/20	2.00	15.20	ND	0.00	10.10	6,943.65	NA	5 - 15	Chinle/Alluvium Interface
MKTF-39	06/26/20	2.00	15.00	ND	0.00	9.63	6,944.12	NA	5 - 15	Chinle/Alluvium Interface
MKTF-39	09/15/20	2.00	14.19	ND	0.00	9.58	6,944.17	NA	5 - 15	Chinle/Alluvium Interface
MKTF-39	11/10/20	2.00	14.19	ND	0.00	10.05	6,943.70	NA	5 - 15	Chinle/Alluvium Interface
MKTF-39	12/04/20	2.00	15.19	ND	0.00	10.15	6,943.70	NA	5 - 15	Chinle/Alluvium Interface
MKTF-39	01/28/21	2.00	15.19	9.45	2.13	11.58	6,942.17	6,943.87	5 - 15	Chinle/Alluvium Interface
MKTF-39	02/28/21	2.00	15.21	9.31	0.71	10.02	6,943.73	6,944.30	5 - 15	Chinle/Alluvium Interface
MKTF-39	03/31/21	2.00	15.21	9.38	0.82	10.20	6,943.55	6,944.21	5 - 15	Chinle/Alluvium Interface
MKTF-39	04/26/21	2.00	15.21	11.16	0.03	11.19	6,942.56	6,942.58	5 - 15	Chinle/Alluvium Interface
MKTF-39	05/20/21	2.00	15.21	9.36	0.86	10.22	6,943.53	6,944.22	5 - 15	Chinle/Alluvium Interface
MKTF-39	06/01/21	2.00	15.21	9.27	0.79	10.06	6,943.69	6,944.32	5 - 15	Chinle/Alluvium Interface
MKTF-39	07/21/21	2.00	15.21	8.83	0.70	9.53	6,944.22	6,944.78	5 - 15	Chinle/Alluvium Interface
MKTF-39	08/25/21	2.00	15.21	9.00	0.40	9.40	6,944.35	6,944.67	5 - 15	Chinle/Alluvium Interface
MKTF-39	09/09/21	2.00	15.21	9.18	0.45	9.63	6,944.12	6,944.48	5 - 15	Chinle/Alluvium Interface

**TABLE 2A. FLUID LEVEL MEASUREMENTS FOR WELLS MKTF-1 THROUGH MKTF-50
MARATHON GALLUP REFINERY
GALLUP, NEW MEXICO**

Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground-water Elevation (ft)	Corrected Water Table ¹ Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
MKTF-40	10/22/19	2.00	23.62	ND	0.00	13.04	6,881.29	NA	5 - 20	Chinle/Alluvium Interface
MKTF-40	02/27/20	2.00	23.64	ND	0.00	13.23	6,881.10	NA	5 - 20	Chinle/Alluvium Interface
MKTF-40	06/26/20	2.00	23.64	ND	0.00	12.75	6,881.58	NA	5 - 20	Chinle/Alluvium Interface
MKTF-40	09/15/20	2.00	23.66	ND	0.00	13.39	6,880.94	NA	5 - 20	Chinle/Alluvium Interface
MKTF-40	11/10/20	2.00	23.66	ND	0.00	13.71	6,880.62	NA	5 - 20	Chinle/Alluvium Interface
MKTF-40	12/04/20	2.00	23.67	ND	0.00	13.99	6,880.34	NA	5 - 20	Chinle/Alluvium Interface
MKTF-40	01/28/21	2.00	23.68	ND	0.00	14.22	6,880.11	NA	5 - 20	Chinle/Alluvium Interface
MKTF-40	02/28/21	2.00	23.66	ND	0.00	14.17	6,880.16	NA	5 - 20	Chinle/Alluvium Interface
MKTF-40	03/31/21	2.00	23.66	ND	0.00	14.65	6,879.68	NA	5 - 20	Chinle/Alluvium Interface
MKTF-40	04/26/21	2.00	23.66	ND	0.00	15.65	6,878.68	NA	5 - 20	Chinle/Alluvium Interface
MKTF-40	05/20/21	2.00	23.66	ND	0.00	14.63	6,879.70	NA	5 - 20	Chinle/Alluvium Interface
MKTF-40	06/01/21	2.00	23.66	ND	0.00	14.70	6,879.63	NA	5 - 20	Chinle/Alluvium Interface
MKTF-40	07/21/21	2.00	23.66	ND	0.00	13.88	6,880.45	NA	5 - 20	Chinle/Alluvium Interface
MKTF-40	08/25/21	2.00	23.66	ND	0.00	14.12	6,880.21	NA	5 - 20	Chinle/Alluvium Interface
MKTF-40	09/08/21	2.00	23.65	ND	0.00	14.08	6,880.25	NA	5 - 20	Chinle/Alluvium Interface

**TABLE 2A. FLUID LEVEL MEASUREMENTS FOR WELLS MKTF-1 THROUGH MKTF-50
MARATHON GALLUP REFINERY
GALLUP, NEW MEXICO**

Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground-water Elevation (ft)	Corrected Water Table ¹ Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
MKTF-41	10/23/19	2.00	39.71	ND	0.00	20.02	6,873.62	NA	22 - 37	Chinle/Alluvium Interface
MKTF-41	02/26/20	2.00	40.10	ND	0.00	20.15	6,873.49	NA	22 - 37	Chinle/Alluvium Interface
MKTF-41	06/29/20	2.00	40.10	ND	0.00	19.77	6,873.87	NA	22 - 37	Chinle/Alluvium Interface
MKTF-41	09/14/20	2.00	39.66	ND	0.00	20.72	6,872.92	NA	22 - 37	Chinle/Alluvium Interface
MKTF-41	11/10/20	2.00	39.66	ND	0.00	21.01	6,872.63	NA	22 - 37	Chinle/Alluvium Interface
MKTF-41	12/04/20	2.00	39.80	ND	0.00	20.90	6,872.74	NA	22 - 37	Chinle/Alluvium Interface
MKTF-41	01/28/21	2.00	39.94	ND	0.00	21.21	6,872.43	NA	22 - 37	Chinle/Alluvium Interface
MKTF-41	02/27/21	2.00	39.85	ND	0.00	21.11	6,872.53	NA	22 - 37	Chinle/Alluvium Interface
MKTF-41	03/31/21	2.00	39.85	ND	0.00	21.41	6,872.23	NA	22 - 37	Chinle/Alluvium Interface
MKTF-41	04/26/21	2.00	39.85	ND	0.00	21.41	6,872.23	NA	22 - 37	Chinle/Alluvium Interface
MKTF-41	05/20/21	2.00	39.85	ND	0.00	21.40	6,872.24	NA	22 - 37	Chinle/Alluvium Interface
MKTF-41	06/01/21	2.00	39.85	ND	0.00	21.14	6,872.50	NA	22 - 37	Chinle/Alluvium Interface
MKTF-41	07/21/21	2.00	39.85	ND	0.00	21.81	6,871.83	NA	22 - 37	Chinle/Alluvium Interface
MKTF-41	08/25/21	2.00	39.85	ND	0.00	21.75	6,871.89	NA	22 - 37	Chinle/Alluvium Interface
MKTF-41	09/09/21	2.00	39.85	ND	0.00	21.80	6,871.84	NA	22 - 37	Chinle/Alluvium Interface

**TABLE 2A. FLUID LEVEL MEASUREMENTS FOR WELLS MKTF-1 THROUGH MKTF-50
MARATHON GALLUP REFINERY
GALLUP, NEW MEXICO**

Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground-water Elevation (ft)	Corrected Water Table ¹ Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
MKTF-42	10/23/19	2.00	33.18	ND	0.00	16.52	6,876.43	NA	10 - 30	Chinle/Alluvium Interface
MKTF-42	02/26/20	2.00	33.15	ND	0.00	16.79	6,876.16	NA	10 - 30	Chinle/Alluvium Interface
MKTF-42	06/30/20	2.00	33.15	ND	0.00	16.25	6,876.70	NA	10 - 30	Chinle/Alluvium Interface
MKTF-42	09/14/20	2.00	33.10	ND	0.00	16.35	6,876.60	NA	10 - 30	Chinle/Alluvium Interface
MKTF-42	11/10/20	2.00	33.10	ND	0.00	15.30	6,877.65	NA	10 - 30	Chinle/Alluvium Interface
MKTF-42	12/04/20	2.00	32.95	ND	0.00	16.41	6,876.54	NA	10 - 30	Chinle/Alluvium Interface
MKTF-42	01/28/21	2.00	32.95	ND	0.00	16.85	6,876.10	NA	10 - 30	Chinle/Alluvium Interface
MKTF-42	02/27/21	2.00	33.24	ND	0.00	16.83	6,876.12	NA	10 - 30	Chinle/Alluvium Interface
MKTF-42	03/31/21	2.00	33.24	ND	0.00	17.17	6,875.78	NA	10 - 30	Chinle/Alluvium Interface
MKTF-42	04/26/21	2.00	33.24	ND	0.00	18.91	6,874.04	NA	10 - 30	Chinle/Alluvium Interface
MKTF-42	05/20/21	2.00	33.24	ND	0.00	17.10	6,875.85	NA	10 - 30	Chinle/Alluvium Interface
MKTF-42	06/01/21	2.00	33.24	ND	0.00	17.07	6,875.88	NA	10 - 30	Chinle/Alluvium Interface
MKTF-42	07/21/21	2.00	33.24	ND	0.00	17.05	6,875.90	NA	10 - 30	Chinle/Alluvium Interface
MKTF-42	08/25/21	2.00	33.24	ND	0.00	16.95	6,876.00	NA	10 - 30	Chinle/Alluvium Interface
MKTF-42	09/09/21	2.00	33.24	ND	0.00	16.98	6,875.97	NA	10 - 30	Chinle/Alluvium Interface

**TABLE 2A. FLUID LEVEL MEASUREMENTS FOR WELLS MKTF-1 THROUGH MKTF-50
MARATHON GALLUP REFINERY
GALLUP, NEW MEXICO**

Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground-water Elevation (ft)	Corrected Water Table ¹ Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
MKTF-43	10/24/19	2.00	15.38	ND	0.00	4.34	6,872.56	NA	2 - 12	Chinle/Alluvium Interface
MKTF-43	02/26/20	2.00	15.43	ND	0.00	6.33	6,870.57	NA	2 - 12	Chinle/Alluvium Interface
MKTF-43	06/30/20	2.00	15.43	ND	0.00	5.50	6,871.40	NA	2 - 12	Chinle/Alluvium Interface
MKTF-43	09/14/20	2.00	16.22	ND	0.00	6.45	6,870.45	NA	2 - 12	Chinle/Alluvium Interface
MKTF-43	11/10/20	2.00	16.22	ND	0.00	7.48	6,869.42	NA	2 - 12	Chinle/Alluvium Interface
MKTF-43	12/04/20	2.00	16.92	ND	0.00	8.12	6,868.78	NA	2 - 12	Chinle/Alluvium Interface
MKTF-43	01/28/21	2.00	16.92	ND	0.00	8.69	6,868.21	NA	2 - 12	Chinle/Alluvium Interface
MKTF-43	02/27/21	2.00	16.95	ND	0.00	8.67	6,868.23	NA	2 - 12	Chinle/Alluvium Interface
MKTF-43	03/31/21	2.00	16.95	ND	0.00	8.49	6,868.41	NA	2 - 12	Chinle/Alluvium Interface
MKTF-43	04/26/21	2.00	16.95	ND	0.00	8.66	6,868.24	NA	2 - 12	Chinle/Alluvium Interface
MKTF-43	05/20/21	2.00	16.95	ND	0.00	8.47	6,868.43	NA	2 - 12	Chinle/Alluvium Interface
MKTF-43	06/01/21	2.00	16.95	ND	0.00	8.61	6,868.29	NA	2 - 12	Chinle/Alluvium Interface
MKTF-43	07/21/21	2.00	16.95	ND	0.00	7.98	6,868.92	NA	2 - 12	Chinle/Alluvium Interface
MKTF-43	08/25/21	2.00	16.95	ND	0.00	7.63	6,869.27	NA	2 - 12	Chinle/Alluvium Interface
MKTF-43	09/09/21	2.00	16.95	ND	0.00	7.95	6,868.95	NA	2 - 12	Chinle/Alluvium Interface

**TABLE 2A. FLUID LEVEL MEASUREMENTS FOR WELLS MKTF-1 THROUGH MKTF-50
MARATHON GALLUP REFINERY
GALLUP, NEW MEXICO**

Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground-water Elevation (ft)	Corrected Water Table ¹ Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
MKTF-44	10/24/19	2.00	51.16	ND	0.00	38.54	6,831.41	NA	38 - 48	Chinle/Alluvium Interface
MKTF-44	03/04/20	2.00	51.15	ND	0.00	30.34	6,839.61	NA	38 - 48	Chinle/Alluvium Interface
MKTF-44	06/26/20	2.00	51.15	ND	0.00	33.08	6,836.87	NA	38 - 48	Chinle/Alluvium Interface
MKTF-44	09/14/20	2.00	51.95	ND	0.00	28.00	6,841.95	NA	38 - 48	Chinle/Alluvium Interface
MKTF-44	12/04/20	2.00	51.39	ND	0.00	39.59	6,830.36	NA	38 - 48	Chinle/Alluvium Interface
MKTF-44	02/28/21	2.00	51.50	ND	0.00	38.50	6,831.45	NA	38 - 48	Chinle/Alluvium Interface
MKTF-44	03/31/21	2.00	51.50	ND	0.00	45.28	6,824.67	NA	38 - 48	Chinle/Alluvium Interface
MKTF-44	04/26/21	2.00	51.50	ND	0.00	45.33	6,824.62	NA	38 - 48	Chinle/Alluvium Interface
MKTF-44	05/20/21	2.00	51.50	ND	0.00	45.11	6,824.84	NA	38 - 48	Chinle/Alluvium Interface
MKTF-44	06/01/21	2.00	51.50	ND	0.00	38.11	6,831.84	NA	38 - 48	Chinle/Alluvium Interface
MKTF-44	09/09/21	2.00	51.50	ND	0.00	35.25	6,834.70	NA	38 - 48	Chinle/Alluvium Interface

**TABLE 2A. FLUID LEVEL MEASUREMENTS FOR WELLS MKTF-1 THROUGH MKTF-50
MARATHON GALLUP REFINERY
GALLUP, NEW MEXICO**

Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground-water Elevation (ft)	Corrected Water Table ¹ Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
MKTF-45	11/21/19	4.00	30.24	11.00	10.90	21.90	6,927.69	6,936.41	Unknown	Chinle/Alluvium Interface
MKTF-45	12/02/19	4.00	30.24	12.38	6.57	18.95	6,930.64	6,935.90	Unknown	Chinle/Alluvium Interface
MKTF-45	02/03/20	4.00	30.24	9.60	9.02	18.62	6,930.97	6938.19	Unknown	Chinle/Alluvium Interface
MKTF-45	06/30/20	4.00	30.24	11.08	8.00	19.08	6,930.51	6936.91	Unknown	Chinle/Alluvium Interface
MKTF-45	09/14/20	4.00	37.45	13.14	5.29	18.43	6,931.16	6935.39	Unknown	Chinle/Alluvium Interface
MKTF-45	11/10/20	4.00	37.45	12.94	1.82	14.76	6,934.83	6936.29	Unknown	Chinle/Alluvium Interface
MKTF-45	12/04/20	4.00	30.45	12.66	1.85	14.51	6,935.08	6936.56	Unknown	Chinle/Alluvium Interface
MKTF-45	01/28/21	4.00	30.45	16.00	0.13	16.13	6,933.46	6933.56	Unknown	Chinle/Alluvium Interface
MKTF-45	02/27/21	4.00	30.50	13.55	0.01	13.56	6,936.03	6936.04	Unknown	Chinle/Alluvium Interface
MKTF-45	03/31/21	4.00	30.50	15.55	0.02	15.57	6,934.02	6934.04	Unknown	Chinle/Alluvium Interface
MKTF-45	04/26/21	4.00	30.50	16.34	0.03	16.37	6,933.22	6933.24	Unknown	Chinle/Alluvium Interface
MKTF-45	05/20/21	4.00	30.50	15.50	0.51	16.01	6,933.58	6933.99	Unknown	Chinle/Alluvium Interface
MKTF-45	06/01/21	4.00	30.50	16.03	0.02	16.05	6,933.54	6933.56	Unknown	Chinle/Alluvium Interface
MKTF-45	07/07/21	4.00	30.50	ND	0.00	14.43	6,935.16	6935.16	Unknown	Chinle/Alluvium Interface
MKTF-45	08/02/21	4.00	30.50	14.45	0.02	14.47	6,935.12	6935.14	Unknown	Chinle/Alluvium Interface
MKTF-45	09/07/21	4.00	30.50	14.43	0.02	14.45	6,935.14	6935.16	Unknown	Chinle/Alluvium Interface

**TABLE 2A. FLUID LEVEL MEASUREMENTS FOR WELLS MKTF-1 THROUGH MKTF-50
MARATHON GALLUP REFINERY
GALLUP, NEW MEXICO**

Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground-water Elevation (ft)	Corrected Water Table ¹ Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
MKTF-46	12/02/19	2.00	21.29	ND	0.00	10.70	6,946.90	NA	3 - 18	Chinle/Alluvium Interface
MKTF-46	03/05/20	2.00	18.00	ND	0.00	10.93	6,946.67	NA	3 - 18	Chinle/Alluvium Interface
MKTF-46	06/30/20	2.00	18.00	ND	0.00	11.08	6,946.52	NA	3 - 18	Chinle/Alluvium Interface
MKTF-46	09/14/20	2.00	25.29	ND	0.00	10.18	6,947.42	NA	3 - 18	Chinle/Alluvium Interface
MKTF-46	11/10/20	2.00	25.29	ND	0.00	10.57	6,947.03	NA	3 - 18	Chinle/Alluvium Interface
MKTF-46	12/04/20	2.00	21.30	ND	0.00	10.77	6,946.83	NA	3 - 18	Chinle/Alluvium Interface
MKTF-46	01/28/21	2.00	21.30	ND	0.00	11.32	6,946.28	NA	3 - 18	Chinle/Alluvium Interface
MKTF-46	02/27/21	2.00	21.30	ND	0.00	10.82	6,946.78	NA	3 - 18	Chinle/Alluvium Interface
MKTF-46	03/31/21	2.00	21.30	ND	0.00	10.90	6,946.70	NA	3 - 18	Chinle/Alluvium Interface
MKTF-46	04/26/21	2.00	21.30	ND	0.00	11.13	6,946.47	NA	3 - 18	Chinle/Alluvium Interface
MKTF-46	05/20/21	2.00	21.30	ND	0.00	11.03	6,946.57	NA	3 - 18	Chinle/Alluvium Interface
MKTF-46	06/01/21	2.00	21.30	ND	0.00	11.09	6,946.51	NA	3 - 18	Chinle/Alluvium Interface
MKTF-46	07/21/21	2.00	21.30	ND	0.00	11.83	6,945.77	NA	3 - 18	Chinle/Alluvium Interface
MKTF-46	08/25/21	2.00	21.30	ND	0.00	12.00	6,945.60	NA	3 - 18	Chinle/Alluvium Interface
MKTF-46	09/09/21	2.00	21.30	ND	0.00	12.16	6,945.44	NA	3 - 18	Chinle/Alluvium Interface

**TABLE 2A. FLUID LEVEL MEASUREMENTS FOR WELLS MKTF-1 THROUGH MKTF-50
MARATHON GALLUP REFINERY
GALLUP, NEW MEXICO**

Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground-water Elevation (ft)	Corrected Water Table ¹ Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
MKTF-47	12/02/19	2.00	14.30	ND	0.00	9.78	6,949.31	NA	4 - 14	Chinle/Alluvium Interface
MKTF-47	03/05/20	2.00	14.00	ND	0.00	9.89	6,949.20	NA	4 - 14	Chinle/Alluvium Interface
MKTF-47	06/29/20	2.00	14.00	ND	0.00	9.50	6,949.59	NA	4 - 14	Chinle/Alluvium Interface
MKTF-47	09/15/20	2.00	14.31	8.53	0.01	8.54	6,950.55	6950.56	4 - 14	Chinle/Alluvium Interface
MKTF-47	11/10/20	2.00	14.31	ND	0.00	9.33	6,949.76	NA	4 - 14	Chinle/Alluvium Interface
MKTF-47	12/04/20	2.00	14.31	9.58	0.01	9.59	6,949.50	6949.51	4 - 14	Chinle/Alluvium Interface
MKTF-47	01/28/21	2.00	14.31	ND	0.00	9.34	6,949.75	NA	4 - 14	Chinle/Alluvium Interface
MKTF-47	02/27/21	2.00	14.30	ND	0.00	9.15	6,949.94	NA	4 - 14	Chinle/Alluvium Interface
MKTF-47	03/31/21	2.00	14.30	ND	0.00	DRY	NA	NA	4 - 14	Chinle/Alluvium Interface
MKTF-47	04/26/21	2.00	14.30	ND	0.00	DRY	NA	NA	4 - 14	Chinle/Alluvium Interface
MKTF-47	05/20/21	2.00	14.30	ND	0.00	DRY	NA	NA	4 - 14	Chinle/Alluvium Interface
MKTF-47	06/01/21	2.00	14.30	ND	0.00	DRY	NA	NA	4 - 14	Chinle/Alluvium Interface
MKTF-47	07/21/21	2.00	14.30	ND	0.00	DRY	NA	NA	4 - 14	Chinle/Alluvium Interface
MKTF-47	08/25/21	2.00	14.30	ND	0.00	DRY	NA	NA	4 - 14	Chinle/Alluvium Interface
MKTF-47	09/09/21	2.00	14.30	ND	0.00	DRY	NA	NA	4 - 14	Chinle/Alluvium Interface

**TABLE 2A. FLUID LEVEL MEASUREMENTS FOR WELLS MKTF-1 THROUGH MKTF-50
MARATHON GALLUP REFINERY
GALLUP, NEW MEXICO**

Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground-water Elevation (ft)	Corrected Water Table ¹ Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
MKTF-48	12/02/19	2.00	20.92	ND	0.00	11.85	6,949.88	NA	2 - 17	Chinle/Alluvium Interface
MKTF-48	03/03/20	2.00	18.00	12.66	0.16	12.82	6,948.91	6949.04	2 - 17	Chinle/Alluvium Interface
MKTF-48	06/29/20	2.00	18.00	ND	0.00	11.58	6,950.15	NA	2 - 17	Chinle/Alluvium Interface
MKTF-48	09/15/20	2.00	19.91	11.85	0.01	11.86	6,949.87	6949.88	2 - 17	Chinle/Alluvium Interface
MKTF-48	11/10/20	2.00	19.91	12.40	0.11	12.51	6,949.22	6949.31	2 - 17	Chinle/Alluvium Interface
MKTF-48	12/04/20	2.00	20.94	12.77	0.33	13.10	6,948.63	6948.89	2 - 17	Chinle/Alluvium Interface
MKTF-48	01/28/21	2.00	21.97	12.19	0.01	12.20	6,949.53	6949.54	2 - 17	Chinle/Alluvium Interface
MKTF-48	02/27/21	2.00	20.95	12.19	0.06	12.25	6,949.48	6949.53	2 - 17	Chinle/Alluvium Interface
MKTF-48	03/31/21	2.00	20.95	12.41	0.24	12.65	6,949.08	6949.27	2 - 17	Chinle/Alluvium Interface
MKTF-48	04/26/21	2.00	20.95	13.71	0.24	13.95	6,947.78	6947.97	2 - 17	Chinle/Alluvium Interface
MKTF-48	05/20/21	2.00	20.95	12.38	0.14	12.52	6,949.21	6949.32	2 - 17	Chinle/Alluvium Interface
MKTF-48	06/01/21	2.00	20.95	12.64	0.24	12.88	6,948.85	6949.04	2 - 17	Chinle/Alluvium Interface
MKTF-48	07/21/21	2.00	20.95	13.00	0.21	13.21	6,948.52	6948.69	2 - 17	Chinle/Alluvium Interface
MKTF-48	08/25/21	2.00	20.95	13.35	0.25	13.60	6,948.13	6948.33	2 - 17	Chinle/Alluvium Interface
MKTF-48	09/09/21	2.00	20.95	13.32	0.22	13.54	6,948.19	6948.37	2 - 17	Chinle/Alluvium Interface

**TABLE 2A. FLUID LEVEL MEASUREMENTS FOR WELLS MKTF-1 THROUGH MKTF-50
MARATHON GALLUP REFINERY
GALLUP, NEW MEXICO**

Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground-water Elevation (ft)	Corrected Water Table ¹ Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
MKTF-49	12/03/19	2.00	24.90	ND	0.00	19.90	6,926.86	NA	5 - 25	Chinle/Alluvium Interface
MKTF-49	03/04/20	2.00	28.00	ND	0.00	20.27	6,926.49	NA	5 - 25	Chinle/Alluvium Interface
MKTF-49	06/30/20	2.00	28.00	ND	0.00	20.65	6,926.11	NA	5 - 25	Chinle/Alluvium Interface
MKTF-49	09/15/20	2.00	24.96	ND	0.00	20.33	6,926.43	NA	5 - 25	Chinle/Alluvium Interface
MKTF-49	11/10/20	2.00	24.96	ND	0.00	20.75	6,926.01	NA	5 - 25	Chinle/Alluvium Interface
MKTF-49	12/04/20	2.00	24.97	ND	0.00	20.81	6,925.95	NA	5 - 25	Chinle/Alluvium Interface
MKTF-49	01/28/21	2.00	24.98	ND	0.00	21.05	6,925.71	NA	5 - 25	Chinle/Alluvium Interface
MKTF-49	02/28/21	2.00	25.02	ND	0.00	21.05	6,925.71	NA	5 - 25	Chinle/Alluvium Interface
MKTF-49	03/31/21	2.00	25.02	ND	0.00	21.15	6,925.61	NA	5 - 25	Chinle/Alluvium Interface
MKTF-49	04/26/21	2.00	25.02	ND	0.00	20.11	6,926.65	NA	5 - 25	Chinle/Alluvium Interface
MKTF-49	05/20/21	2.00	25.02	ND	0.00	21.21	6,925.55	NA	5 - 25	Chinle/Alluvium Interface
MKTF-49	06/01/21	2.00	25.02	ND	0.00	20.92	6,925.84	NA	5 - 25	Chinle/Alluvium Interface
MKTF-49	06/01/21	2.00	25.02	ND	0.00	20.92	6,925.84	NA	5 - 25	Chinle/Alluvium Interface
MKTF-49	06/16/21	2.00	25.02	21.40	0.68	22.08	6,924.68	6925.22	5 - 25	Chinle/Alluvium Interface
MKTF-49	07/07/21	2.00	25.02	20.75	0.69	21.44	6,925.32	6925.87	5 - 25	Chinle/Alluvium Interface
MKTF-49	08/04/21	2.00	25.02	21.12	1.00	22.12	6,924.64	6925.44	5 - 25	Chinle/Alluvium Interface
MKTF-49	09/09/21	2.00	25.02	20.77	1.06	21.83	6,924.93	6925.78	5 - 25	Chinle/Alluvium Interface

**TABLE 2A. FLUID LEVEL MEASUREMENTS FOR WELLS MKTF-1 THROUGH MKTF-50
MARATHON GALLUP REFINERY
GALLUP, NEW MEXICO**

Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground-water Elevation (ft)	Corrected Water Table ¹ Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
MKTF-50	12/03/19	2.00	21.65	ND	0.00	15.61	6,927.21	NA	3 - 18	Chinle/Alluvium Interface
MKTF-50	03/04/20	2.00	26.00	ND	0.00	15.87	6,926.95	NA	3 - 18	Chinle/Alluvium Interface
MKTF-50	06/30/20	2.00	26.00	ND	0.00	16.00	6,926.82	NA	3 - 18	Chinle/Alluvium Interface
MKTF-50	09/15/20	2.00	22.64	15.36	0.01	15.37	6,927.45	6927.46	3 - 18	Chinle/Alluvium Interface
MKTF-50	11/10/20	2.00	22.64	ND	0.00	16.03	6,926.79	NA	3 - 18	Chinle/Alluvium Interface
MKTF-50	12/04/20	2.00	21.63	ND	0.00	16.17	6,926.65	NA	3 - 18	Chinle/Alluvium Interface
MKTF-50	01/28/21	2.00	20.62	ND	0.00	16.43	6,926.39	NA	3 - 18	Chinle/Alluvium Interface
MKTF-50	02/28/21	2.00	21.70	ND	0.00	16.38	6,926.44	NA	3 - 18	Chinle/Alluvium Interface
MKTF-50	03/31/21	2.00	21.70	ND	0.00	16.48	6,926.34	NA	3 - 18	Chinle/Alluvium Interface
MKTF-50	04/26/21	2.00	21.70	ND	0.00	16.19	6,926.63	NA	3 - 18	Chinle/Alluvium Interface
MKTF-50	05/20/21	2.00	21.70	ND	0.00	16.47	6,926.35	NA	3 - 18	Chinle/Alluvium Interface
MKTF-50	06/01/21	2.00	21.70	ND	0.00	16.66	6,926.16	NA	3 - 18	Chinle/Alluvium Interface
MKTF-50	06/16/21	2.00	21.70	16.68	0.17	16.85	6,925.97	6926.11	3 - 18	Chinle/Alluvium Interface
MKTF-50	07/21/21	2.00	21.70	14.75	0.45	15.20	6,927.62	6927.98	3 - 18	Chinle/Alluvium Interface
MKTF-50	08/04/21	2.00	21.70	15.45	0.30	15.75	6,927.07	6927.31	3 - 18	Chinle/Alluvium Interface
MKTF-50	09/09/21	2.00	21.70	15.40	0.28	15.68	6,927.14	6927.36	3 - 18	Chinle/Alluvium Interface

Notes:

¹ = Corrected water table elevation calculation = (SPH thickness x 0.8) + ground water elevation

ft = feet

SPH = separate phase hydrocarbon

NA = Not applicable

ND = Not detected

NM = Not Measured

Depth to Water Column - if 0.00 is indicated - means water is at top of casing (full) under artesian flow conditions.

Dry indicates no fluid was detected

**TABLE 2B. FLUID LEVEL MEASUREMENTS FOR NON MKTF WELLS
MARATHON GALLUP REFINERY
GALLUP, NEW MEXICO**

Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground water Elevation (ft)	Corrected Water Table ¹ Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
GWM-1	10/21/19	2.00	26.20	20.64	0.19	20.83	6,891.78	6891.93	17.5 - 23.5	Chinle/Alluvial Interface
GWM-1	09/15/20	2.00	26.65	20.73	0.67	21.40	6,891.21	6891.75	17.5 - 23.5	Chinle/Alluvial Interface
GWM-1	11/09/20	2.00	26.65	20.88	0.84	21.72	6,890.89	6891.56	17.5 - 23.5	Chinle/Alluvial Interface
GWM-1	12/07/20	2.00	26.45	20.91	0.94	21.85	6,890.89	6891.56	17.5 - 23.5	Chinle/Alluvial Interface
GWM-1	01/28/21	2.00	26.25	21.10	1.20	22.30	6,890.31	6891.27	17.5 - 23.5	Chinle/Alluvial Interface
GWM-1	02/28/21	2.00	26.40	21.19	1.38	22.57	6,890.04	6891.14	17.5 - 23.5	Chinle/Alluvial Interface
GWM-1	03/31/21	2.00	26.55	22.57	3.83	26.40	6,886.21	6889.27	17.5 - 23.5	Chinle/Alluvial Interface
GWM-1	04/26/21	2.00	26.40	22.14	0.84	22.98	6,889.63	6890.30	17.5 - 23.5	Chinle/Alluvial Interface
GWM-1	05/20/21	2.00	26.40	21.66	1.26	22.92	6,889.69	6890.70	17.5 - 23.5	Chinle/Alluvial Interface
GWM-1	06/02/21	2.00	26.40	21.26	1.41	22.67	6,889.94	6891.07	17.5 - 23.5	Chinle/Alluvial Interface
GWM-1	07/06/21	2.00	26.40	20.90	1.15	22.05	6,890.56	6891.48	17.5 - 23.5	Chinle/Alluvial Interface
GWM-1	08/25/21	2.00	26.40	21.20	1.23	22.43	6,890.18	6891.16	17.5 - 23.5	Chinle/Alluvial Interface
GWM-1	09/09/21	2.00	26.40	21.24	1.23	22.47	6,890.14	6891.12	17.5 - 23.5	Chinle/Alluvial Interface

**TABLE 2B. FLUID LEVEL MEASUREMENTS FOR NON MKTF WELLS
MARATHON GALLUP REFINERY
GALLUP, NEW MEXICO**

Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground water Elevation (ft)	Corrected Water Table ¹ Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
GWM-2	10/19/19	2.00	18.81	ND	NA	DRY	NA	NA	3.2 - 16.2	Chinle/Alluvial Interface
GWM-2	09/15/20	2.00	18.08	ND	NA	DRY	NA	NA	3.2 - 16.2	Chinle/Alluvial Interface
GWM-2	11/10/20	2.00	18.08	ND	NA	DRY	NA	NA	3.2 - 16.2	Chinle/Alluvial Interface
GWM-2	12/07/20	2.00	18.08	ND	NA	DRY	NA	NA	3.2 - 16.2	Chinle/Alluvial Interface
GWM-2	01/28/21	2.00	18.08	ND	NA	DRY	NA	NA	3.2 - 16.2	Chinle/Alluvial Interface
GWM-2	02/28/21	2.00	18.08	ND	NA	DRY	NA	NA	3.2 - 16.2	Chinle/Alluvial Interface
GWM-2	03/31/21	2.00	18.08	ND	NA	DRY	NA	NA	3.2 - 16.2	Chinle/Alluvial Interface
GWM-2	04/26/21	2.00	18.08	ND	NA	DRY	NA	NA	3.2 - 16.2	Chinle/Alluvial Interface
GWM-2	05/20/21	2.00	18.08	ND	NA	DRY	NA	NA	3.2 - 16.2	Chinle/Alluvial Interface
GWM-2	06/03/21	2.00	18.08	ND	NA	DRY	NA	NA	3.2 - 16.2	Chinle/Alluvial Interface
GWM-2	07/06/21	2.00	18.08	ND	NA	DRY	NA	NA	3.2 - 16.2	Chinle/Alluvial Interface
GWM-2	08/25/21	2.00	18.08	ND	NA	DRY	NA	NA	3.2 - 16.2	Chinle/Alluvial Interface
GWM-2	09/09/21	2.00	18.08	ND	NA	DRY	NA	NA	3.2 - 16.2	Chinle/Alluvial Interface

**TABLE 2B. FLUID LEVEL MEASUREMENTS FOR NON MKTF WELLS
MARATHON GALLUP REFINERY
GALLUP, NEW MEXICO**

Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground water Elevation (ft)	Corrected Water Table ¹ Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
GWM-3	08/06/19	2.00	18.04	ND	NA	DRY	DRY	NA	3 - 15	Chinle/Alluvial Interface
GWM-3	09/15/20	2.00	19.15	ND	NA	DRY	DRY	NA	3 - 15	Chinle/Alluvial Interface
GWM-3	10/11/20	2.00	19.15	ND	NA	DRY	DRY	NA	3 - 15	Chinle/Alluvial Interface
GWM-3	12/07/20	2.00	19.15	ND	NA	DRY	DRY	NA	3 - 15	Chinle/Alluvial Interface
GWM-3	01/28/21	2.00	19.15	ND	NA	DRY	DRY	NA	3 - 15	Chinle/Alluvial Interface
GWM-3	02/28/21	2.00	19.15	ND	NA	DRY	DRY	NA	3 - 15	Chinle/Alluvial Interface
GWM-3	03/31/21	2.00	19.15	ND	NA	DRY	DRY	NA	3 - 15	Chinle/Alluvial Interface
GWM-3	04/26/21	2.00	19.15	ND	NA	DRY	DRY	NA	3 - 15	Chinle/Alluvial Interface
GWM-3	05/20/21	2.00	19.15	ND	NA	DRY	DRY	NA	3 - 15	Chinle/Alluvial Interface
GWM-3	06/03/21	2.00	19.15	ND	NA	DRY	DRY	NA	3 - 15	Chinle/Alluvial Interface
GWM-3	07/06/21	2.00	19.15	ND	NA	DRY	DRY	NA	3 - 15	Chinle/Alluvial Interface
GWM-3	08/25/21	2.00	19.15	ND	NA	DRY	DRY	NA	3 - 15	Chinle/Alluvial Interface
GWM-3	09/09/21	2.00	19.15	ND	NA	DRY	DRY	NA	3 - 15	Chinle/Alluvial Interface

**TABLE 2B. FLUID LEVEL MEASUREMENTS FOR NON MKTF WELLS
MARATHON GALLUP REFINERY
GALLUP, NEW MEXICO**

Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground water Elevation (ft)	Corrected Water Table ¹ Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
KA-3	10/21/19	2.00	23.20	ND	NA	9.16	6,903.36	NA	15 - 25	Chinle/Alluvial Interface
KA-3	09/15/20	2.00	23.20	ND	NA	8.08	6,904.44	NA	15 - 25	Chinle/Alluvial Interface
KA-3	11/10/20	2.00	23.20	ND	NA	9.15	6,903.37	NA	15 - 25	Chinle/Alluvial Interface
KA-3	12/07/20	2.00	23.20	ND	NA	9.56	6,902.96	NA	15 - 25	Chinle/Alluvial Interface
KA-3	01/28/21	2.00	23.20	ND	NA	10.50	6,902.02	NA	15 - 25	Chinle/Alluvial Interface
KA-3	02/28/21	2.00	23.20	ND	NA	10.55	6,901.97	NA	15 - 25	Chinle/Alluvial Interface
KA-3	03/31/21	2.00	23.20	ND	NA	10.68	6,901.84	NA	15 - 25	Chinle/Alluvial Interface
KA-3	04/26/21	2.00	23.20	ND	NA	9.82	6,902.70	NA	15 - 25	Chinle/Alluvial Interface
KA-3	05/20/21	2.00	23.20	ND	NA	11.03	6,901.49	NA	15 - 25	Chinle/Alluvial Interface
KA-3	06/03/21	2.00	23.20	ND	NA	10.40	6,902.12	NA	15 - 25	Chinle/Alluvial Interface
KA-3	07/06/21	2.00	23.20	ND	NA	9.44	6,903.08	NA	15 - 25	Chinle/Alluvial Interface
KA-3	08/25/21	2.00	23.20	ND	NA	9.41	6,903.11	NA	15 - 25	Chinle/Alluvial Interface
KA-3	09/08/21	2.00	23.20	ND	NA	9.31	6,903.21	NA	15 - 25	Chinle/Alluvial Interface

**TABLE 2B. FLUID LEVEL MEASUREMENTS FOR NON MKTF WELLS
MARATHON GALLUP REFINERY
GALLUP, NEW MEXICO**

Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground water Elevation (ft)	Corrected Water Table ¹ Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
NAPIS-1	10/21/19	2.00	13.53	7.66	0.20	7.86	6,906.00	6906.16	3.7 - 13.7	Chinle/Alluvial Interface
NAPIS-1	09/15/20	2.00	13.58	6.70	0.01	6.71	6,907.15	6907.16	3.7 - 13.7	Chinle/Alluvial Interface
NAPIS-1	11/10/20	2.00	13.58	7.19	0.01	7.20	6,906.66	6906.67	3.7 - 13.7	Chinle/Alluvial Interface
NAPIS-1	12/07/20	2.00	13.76	7.43	0.01	7.44	6,906.42	6906.43	3.7 - 13.7	Chinle/Alluvial Interface
NAPIS-1	01/28/21	2.00	13.94	7.88	0.01	7.89	6,905.97	6905.98	3.7 - 13.7	Chinle/Alluvial Interface
NAPIS-1	02/27/21	2.00	13.94	7.90	0.05	7.95	6,905.91	6905.95	3.7 - 13.7	Chinle/Alluvial Interface
NAPIS-1	03/31/21	2.00	13.94	ND	NA	8.01	6,905.85	NA	3.7 - 13.7	Chinle/Alluvial Interface
NAPIS-1	04/26/21	2.00	13.94	ND	NA	7.82	6,906.04	NA	3.7 - 13.7	Chinle/Alluvial Interface
NAPIS-1	05/20/21	2.00	13.94	ND	NA	8.52	6,905.34	NA	3.7 - 13.7	Chinle/Alluvial Interface
NAPIS-1	06/03/21	2.00	13.94	ND	NA	7.85	6,906.01	NA	3.7 - 13.7	Chinle/Alluvial Interface
NAPIS-1	07/06/21	2.00	13.94	ND	NA	7.06	6,906.80	NA	3.7 - 13.7	Chinle/Alluvial Interface
NAPIS-1	08/25/21	2.00	13.94	ND	NA	6.97	6,906.89	NA	3.7 - 13.7	Chinle/Alluvial Interface
NAPIS-1	09/08/21	2.00	13.94	7.03	0.01	7.04	6,906.82	6906.83	3.7 - 13.7	Chinle/Alluvial Interface

**TABLE 2B. FLUID LEVEL MEASUREMENTS FOR NON MKTF WELLS
MARATHON GALLUP REFINERY
GALLUP, NEW MEXICO**

Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground water Elevation (ft)	Corrected Water Table ¹ Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
NAPIS-2	10/21/19	2.00	13.61	ND	NA	9.40	6,903.25	NA	4.2 - 14.2	Chinle/Alluvial Interface
NAPIS-2	09/15/20	2.00	14.60	ND	NA	8.12	6,904.53	NA	4.2 - 14.2	Chinle/Alluvial Interface
NAPIS-2	11/10/20	2.00	14.60	ND	NA	8.51	6,904.14	NA	4.2 - 14.2	Chinle/Alluvial Interface
NAPIS-2	12/07/20	2.00	14.61	ND	NA	8.72	6,903.93	NA	4.2 - 14.2	Chinle/Alluvial Interface
NAPIS-2	01/28/21	2.00	14.62	ND	NA	9.16	6,903.49	NA	4.2 - 14.2	Chinle/Alluvial Interface
NAPIS-2	02/27/21	2.00	14.65	ND	NA	9.15	6,903.50	NA	4.2 - 14.2	Chinle/Alluvial Interface
NAPIS-2	03/31/21	2.00	14.65	ND	NA	9.32	6,903.33	NA	4.2 - 14.2	Chinle/Alluvial Interface
NAPIS-2	04/26/21	2.00	14.71	ND	NA	9.14	6,903.51	NA	4.2 - 14.2	Chinle/Alluvial Interface
NAPIS-2	05/20/21	2.00	14.74	ND	NA	8.96	6,903.69	NA	4.2 - 14.2	Chinle/Alluvial Interface
NAPIS-2	06/03/21	2.00	14.74	ND	NA	9.10	6,903.55	NA	4.2 - 14.2	Chinle/Alluvial Interface
NAPIS-2	07/06/21	2.00	14.74	ND	NA	7.80	6,904.85	NA	4.2 - 14.2	Chinle/Alluvial Interface
NAPIS-2	08/25/21	2.00	14.74	ND	NA	8.25	6,904.40	NA	4.2 - 14.2	Chinle/Alluvial Interface
NAPIS-2	09/08/21	2.00	14.74	ND	NA	8.28	6,904.37	NA	4.2 - 14.2	Chinle/Alluvial Interface

**TABLE 2B. FLUID LEVEL MEASUREMENTS FOR NON MKTF WELLS
MARATHON GALLUP REFINERY
GALLUP, NEW MEXICO**

Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground water Elevation (ft)	Corrected Water Table ¹ Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
NAPIS-3	10/21/19	2.00	30.42	ND	NA	10.02	6,902.74	NA	25.4 - 30-4	Chinle/Alluvial Interface
NAPIS-3	09/15/20	2.00	31.50	ND	NA	9.25	6,903.51	NA	25.4 - 30-4	Chinle/Alluvial Interface
NAPIS-3	11/10/20	2.00	31.50	ND	NA	9.47	6,903.29	NA	25.4 - 30-4	Chinle/Alluvial Interface
NAPIS-3	12/07/20	2.00	31.50	ND	NA	8.51	6,904.25	NA	25.4 - 30-4	Chinle/Alluvial Interface
NAPIS-3	01/28/21	2.00	31.50	ND	NA	9.00	6,903.76	NA	25.4 - 30-4	Chinle/Alluvial Interface
NAPIS-3	02/28/21	2.00	31.50	ND	NA	9.09	6,903.67	NA	25.4 - 30-4	Chinle/Alluvial Interface
NAPIS-3	03/31/21	2.00	31.50	ND	NA	9.27	6,903.49	NA	25.4 - 30-4	Chinle/Alluvial Interface
NAPIS-3	04/26/21	2.00	31.50	ND	NA	8.89	6,903.87	NA	25.4 - 30-4	Chinle/Alluvial Interface
NAPIS-3	05/20/21	2.00	31.50	ND	NA	9.30	6,903.46	NA	25.4 - 30-4	Chinle/Alluvial Interface
NAPIS-3	06/03/21	2.00	31.50	ND	NA	9.31	6,903.45	NA	25.4 - 30-4	Chinle/Alluvial Interface
NAPIS-3	07/06/21	2.00	31.50	ND	NA	7.75	6,905.01	NA	25.4 - 30-4	Chinle/Alluvial Interface
NAPIS-3	08/25/21	2.00	31.50	ND	NA	8.10	6,904.66	NA	25.4 - 30-4	Chinle/Alluvial Interface
NAPIS-3	09/08/21	2.00	31.50	ND	NA	8.15	6,904.61	NA	25.4 - 30-4	Chinle/Alluvial Interface

**TABLE 2B. FLUID LEVEL MEASUREMENTS FOR NON MKTF WELLS
MARATHON GALLUP REFINERY
GALLUP, NEW MEXICO**

Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground water Elevation (ft)	Corrected Water Table ¹ Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
OAPIS-1	10/21/19	2.00	27.78	ND	NA	11.44	6,905.29	NA	16 - 26	Chinle/Alluvial Interface
OAPIS-1	09/15/20	2.00	28.00	ND	NA	11.90	6,904.83	NA	16 - 26	Chinle/Alluvial Interface
OAPIS-1	11/10/20	2.00	28.00	ND	NA	12.02	6,904.71	NA	16 - 26	Chinle/Alluvial Interface
OAPIS-1	12/07/20	2.00	28.00	ND	NA	12.31	6,904.42	NA	16 - 26	Chinle/Alluvial Interface
OAPIS-1	01/28/21	2.00	28.00	ND	NA	12.98	6,903.75	NA	16 - 26	Chinle/Alluvial Interface
OAPIS-1	02/27/21	2.00	28.00	ND	NA	12.96	6,903.77	NA	16 - 26	Chinle/Alluvial Interface
OAPIS-1	03/31/21	2.00	28.00	ND	NA	13.48	6,903.25	NA	16 - 26	Chinle/Alluvial Interface
OAPIS-1	04/26/21	2.00	28.00	ND	NA	13.24	6,903.49	NA	16 - 26	Chinle/Alluvial Interface
OAPIS-1	05/20/21	2.00	28.00	ND	NA	13.88	6,902.85	NA	16 - 26	Chinle/Alluvial Interface
OAPIS-1	06/03/21	2.00	28.00	ND	NA	13.08	6,903.65	NA	16 - 26	Chinle/Alluvial Interface
OAPIS-1	07/06/21	2.00	28.00	ND	NA	12.45	6,904.28	NA	16 - 26	Chinle/Alluvial Interface
OAPIS-1	08/25/21	2.00	28.00	ND	NA	11.50	6,905.23	NA	16 - 26	Chinle/Alluvial Interface
OAPIS-1	09/08/21	2.00	28.00	ND	NA	11.70	6,905.03	NA	16 - 26	Chinle/Alluvial Interface

**TABLE 2B. FLUID LEVEL MEASUREMENTS FOR NON MKTF WELLS
MARATHON GALLUP REFINERY
GALLUP, NEW MEXICO**

Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground water Elevation (ft)	Corrected Water Table ¹ Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
OW-10	10/17/19	4.00	60.33	ND	NA	2.33	6,872.58	NA	40 - 60	Sonsela Sandstone
OW-10	09/20/20	4.00	66.30	ND	NA	7.70	6,867.21	NA	40 - 60	Sonsela Sandstone
OW-10	10/09/20	4.00	66.30	ND	NA	7.70	6,867.21	NA	40 - 60	Sonsela Sandstone
OW-10	12/07/20	4.00	66.30	ND	NA	7.61	6,867.30	NA	40 - 60	Sonsela Sandstone
OW-10	01/28/21	4.00	66.30	ND	NA	7.84	6,867.07	NA	40 - 60	Sonsela Sandstone
OW-10	02/28/21	4.00	66.30	ND	NA	7.85	6,867.06	NA	40 - 60	Sonsela Sandstone
OW-10	03/31/21	4.00	66.30	ND	NA	7.68	6,867.23	NA	40 - 60	Sonsela Sandstone
OW-10	04/26/21	4.00	66.30	ND	NA	7.67	6,867.24	NA	40 - 60	Sonsela Sandstone
OW-10	05/20/21	4.00	66.30	ND	NA	7.59	6,867.32	NA	40 - 60	Sonsela Sandstone
OW-10	06/03/21	4.00	66.30	ND	NA	7.89	6,867.02	NA	40 - 60	Sonsela Sandstone
OW-10	07/06/21	4.00	66.30	ND	NA	7.94	6,866.97	NA	40 - 60	Sonsela Sandstone
OW-10	08/25/21	4.00	66.30	ND	NA	8.18	6,866.73	NA	40 - 60	Sonsela Sandstone
OW-10	09/09/21	4.00	66.30	ND	NA	8.65	6,866.26	NA	40 - 60	Sonsela Sandstone

**TABLE 2B. FLUID LEVEL MEASUREMENTS FOR NON MKTF WELLS
MARATHON GALLUP REFINERY
GALLUP, NEW MEXICO**

Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground water Elevation (ft)	Corrected Water Table ¹ Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
OW-57	11/04/19	2.00	28.35	ND	NA	19.97	6,913.13	NA	15 - 25	Chinle/Alluvial Interface
OW-57	09/14/20	2.00	28.09	ND	NA	20.50	6,912.60	NA	15 - 25	Chinle/Alluvial Interface
OW-57	11/09/20	2.00	28.09	ND	NA	20.53	6,912.57	NA	15 - 25	Chinle/Alluvial Interface
OW-57	12/07/20	2.00	28.39	ND	NA	20.64	6,912.46	NA	15 - 25	Chinle/Alluvial Interface
OW-57	01/28/21	2.00	28.39	ND	NA	20.73	6,912.37	NA	15 - 25	Chinle/Alluvial Interface
OW-57	02/27/21	2.00	28.09	ND	NA	20.73	6,912.37	NA	15 - 25	Chinle/Alluvial Interface
OW-57	03/31/21	2.00	28.09	ND	NA	20.98	6,912.12	NA	15 - 25	Chinle/Alluvial Interface
OW-57	04/26/21	2.00	27.49	ND	NA	21.07	6,913.43	NA	15 - 25	Chinle/Alluvial Interface
OW-57	05/20/21	2.00	27.19	ND	NA	19.88	6,914.62	NA	15 - 25	Chinle/Alluvial Interface
OW-57	06/02/21	2.00	27.19	ND	NA	21.03	6,913.47	NA	15 - 25	Chinle/Alluvial Interface
OW-57	07/06/21	2.00	27.19	ND	NA	19.83	6,914.67	NA	15 - 25	Chinle/Alluvial Interface
OW-57	08/25/21	2.00	27.19	ND	NA	21.52	6,912.98	NA	15 - 25	Chinle/Alluvial Interface
OW-57	09/09/21	2.00	27.40	ND	NA	21.70	6,912.80	NA	15 - 25	Chinle/Alluvial Interface

**TABLE 2B. FLUID LEVEL MEASUREMENTS FOR NON MKTF WELLS
MARATHON GALLUP REFINERY
GALLUP, NEW MEXICO**

Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground water Elevation (ft)	Corrected Water Table ¹ Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
OW-58	11/18/19	2.00	47.50	ND	NA	23.99	6,910.51	NA	38 - 48	Chinle/Alluvial Interface
OW-58	09/14/20	2.00	48.00	ND	NA	23.55	6,910.95	NA	38 - 48	Chinle/Alluvial Interface
OW-58	11/09/20	2.00	48.00	ND	NA	23.31	6,911.19	NA	38 - 48	Chinle/Alluvial Interface
OW-58	12/08/20	2.00	47.95	ND	NA	24.32	6,910.18	NA	38 - 48	Chinle/Alluvial Interface
OW-58	01/28/21	2.00	47.95	ND	NA	24.29	6,910.21	NA	38 - 48	Chinle/Alluvial Interface
OW-58	02/28/21	2.00	47.95	ND	NA	23.80	6,910.70	NA	38 - 48	Chinle/Alluvial Interface
OW-58	03/31/21	2.00	47.95	ND	NA	24.40	6,910.10	NA	38 - 48	Chinle/Alluvial Interface
OW-58	04/26/21	2.00	47.95	ND	NA	24.83	6,909.67	NA	38 - 48	Chinle/Alluvial Interface
OW-58	05/20/21	2.00	47.95	ND	NA	23.33	6,911.17	NA	38 - 48	Chinle/Alluvial Interface
OW-58	06/02/21	2.00	47.95	ND	NA	24.63	6,909.87	NA	38 - 48	Chinle/Alluvial Interface
OW-58	07/06/21	2.00	47.95	ND	NA	24.77	6,909.73	NA	38 - 48	Chinle/Alluvial Interface
OW-58	08/25/21	2.00	47.95	ND	NA	25.10	6,909.40	NA	38 - 48	Chinle/Alluvial Interface
OW-58	09/09/21	2.00	47.95	ND	NA	25.20	6,909.30	NA	38 - 48	Chinle/Alluvial Interface

**TABLE 2B. FLUID LEVEL MEASUREMENTS FOR NON MKTF WELLS
MARATHON GALLUP REFINERY
GALLUP, NEW MEXICO**

Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground water Elevation (ft)	Corrected Water Table ¹ Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
OW-58A	09/15/20	4.00	36.00	ND	NA	26.87	6,909.42	NA	25 - 33	Chinle/Alluvial Interface
OW-58A	11/09/20	4.00	36.91	ND	NA	24.31	6,911.98	NA	25 - 33	Chinle/Alluvial Interface
OW-58A	12/08/20	4.00	36.38	ND	NA	26.71	6,909.58	NA	25 - 33	Chinle/Alluvial Interface
OW-58A	01/28/21	4.00	36.38	ND	NA	26.66	6,909.63	NA	25 - 33	Chinle/Alluvial Interface
OW-58A	02/28/21	4.00	36.50	ND	NA	26.51	6,909.78	NA	25 - 33	Chinle/Alluvial Interface
OW-58A	03/31/21	4.00	36.50	ND	NA	26.75	6,909.54	NA	25 - 33	Chinle/Alluvial Interface
OW-58A	04/26/21	4.00	36.74	ND	NA	27.01	6,909.28	NA	25 - 33	Chinle/Alluvial Interface
OW-58A	05/20/21	4.00	36.86	ND	NA	26.31	6,909.98	NA	25 - 33	Chinle/Alluvial Interface
OW-58A	06/02/21	4.00	36.86	ND	NA	26.63	6,909.66	NA	25 - 33	Chinle/Alluvial Interface
OW-58A	07/06/21	4.00	36.86	ND	NA	26.92	6,909.37	NA	25 - 33	Chinle/Alluvial Interface
OW-58A	08/25/21	4.00	36.86	ND	NA	27.43	6,908.86	NA	25 - 33	Chinle/Alluvial Interface
OW-58A	09/09/21	4.00	36.40	ND	NA	27.60	6,908.69	NA	25 - 33	Chinle/Alluvial Interface

**TABLE 2B. FLUID LEVEL MEASUREMENTS FOR NON MKTF WELLS
MARATHON GALLUP REFINERY
GALLUP, NEW MEXICO**

Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground water Elevation (ft)	Corrected Water Table ¹ Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
OW-61	11/04/19	4.00	32.00	17.54	3.09	20.63	6,941.25	6943.72	8 - 28	Chinle/Alluvial Interface
OW-61	09/15/20	4.00	31.85	16.88	2.52	19.40	6,942.48	6944.50	8 - 28	Chinle/Alluvial Interface
OW-61	11/09/20	4.00	31.85	18.22	1.36	19.58	6,942.30	6943.39	8 - 28	Chinle/Alluvial Interface
OW-61	12/08/20	4.00	31.33	18.40	1.90	20.30	6,941.58	6943.10	8 - 28	Chinle/Alluvial Interface
OW-61	01/28/21	4.00	30.81	19.13	0.65	19.78	6,942.10	6942.62	8 - 28	Chinle/Alluvial Interface
OW-61	02/27/21	4.00	31.83	18.89	1.21	20.10	6,941.78	6942.75	8 - 28	Chinle/Alluvial Interface
OW-61	03/31/21	4.00	31.83	18.82	2.46	21.28	6,940.60	6942.57	8 - 28	Chinle/Alluvial Interface
OW-61	04/26/21	4.00	33.87	18.93	2.50	21.43	6,940.45	6942.45	8 - 28	Chinle/Alluvial Interface
OW-61	05/20/21	4.00	34.89	19.11	2.84	21.95	6,939.93	6942.20	8 - 28	Chinle/Alluvial Interface
OW-61	06/02/21	4.00	34.89	18.62	2.27	20.89	6,940.99	6942.81	8 - 28	Chinle/Alluvial Interface
OW-61	07/06/21	4.00	34.89	19.68	3.24	22.92	6,938.96	6941.55	8 - 28	Chinle/Alluvial Interface
OW-61	08/04/21	4.00	34.89	19.89	3.40	23.29	6,938.59	6941.31	8 - 28	Chinle/Alluvial Interface
OW-61	09/07/21	4.00	34.87	20.36	3.42	23.78	6,938.10	6940.84	8 - 28	Chinle/Alluvial Interface

**TABLE 2B. FLUID LEVEL MEASUREMENTS FOR NON MKTF WELLS
MARATHON GALLUP REFINERY
GALLUP, NEW MEXICO**

Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground water Elevation (ft)	Corrected Water Table ¹ Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
OW-62	11/18/19	4.00	31.47	23.72	0.62	24.34	6,911.75	6912.25	8 - 28	Chinle/Alluvial Interface
OW-62	09/15/20	4.00	32.05	23.62	0.25	23.87	6,912.22	6912.42	8 - 28	Chinle/Alluvial Interface
OW-62	11/09/20	4.00	32.05	23.70	0.30	24.00	6,912.09	6912.33	8 - 28	Chinle/Alluvial Interface
OW-62	12/08/20	4.00	31.66	23.69	0.29	23.98	6,912.11	6912.34	8 - 28	Chinle/Alluvial Interface
OW-62	01/28/21	4.00	31.27	23.75	0.30	24.05	6,912.04	6912.28	8 - 28	Chinle/Alluvial Interface
OW-62	02/27/21	4.00	31.67	23.82	0.33	24.15	6,911.94	6912.20	8 - 28	Chinle/Alluvial Interface
OW-62	03/31/21	4.00	31.67	23.85	0.31	24.16	6,911.93	6912.18	8 - 28	Chinle/Alluvial Interface
OW-62	04/26/21	4.00	32.47	23.93	0.17	24.10	6,911.99	6912.13	8 - 28	Chinle/Alluvial Interface
OW-62	05/20/21	4.00	32.87	23.80	0.64	24.44	6,911.65	6912.16	8 - 28	Chinle/Alluvial Interface
OW-62	06/02/21	4.00	32.87	22.97	0.25	23.22	6,912.87	6913.07	8 - 28	Chinle/Alluvial Interface
OW-62	07/06/21	4.00	32.87	22.19	0.23	22.42	6,913.67	6913.85	8 - 28	Chinle/Alluvial Interface
OW-62	08/25/21	4.00	32.87	23.98	0.25	24.23	6,911.86	6912.06	8 - 28	Chinle/Alluvial Interface
OW-62	09/09/21	4.00	32.80	23.45	0.21	23.66	6,912.43	6912.60	8 - 28	Chinle/Alluvial Interface

**TABLE 2B. FLUID LEVEL MEASUREMENTS FOR NON MKTF WELLS
MARATHON GALLUP REFINERY
GALLUP, NEW MEXICO**

Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground water Elevation (ft)	Corrected Water Table ¹ Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
OW-63	11/18/19	4.00	32.00	ND	NA	20.30	6,913.57	NA	9 - 29	Chinle/Alluvial Interface
OW-63	09/14/20	4.00	32.05	ND	NA	20.73	6,913.14	NA	9 - 29	Chinle/Alluvial Interface
OW-63	11/09/20	4.00	32.05	ND	NA	20.85	6,913.02	NA	9 - 29	Chinle/Alluvial Interface
OW-63	12/08/20	4.00	32.22	ND	NA	20.97	6,912.90	NA	9 - 29	Chinle/Alluvial Interface
OW-63	01/28/21	4.00	32.22	ND	NA	21.15	6,912.72	NA	9 - 29	Chinle/Alluvial Interface
OW-63	02/27/21	4.00	32.22	ND	NA	21.13	6,912.74	NA	9 - 29	Chinle/Alluvial Interface
OW-63	03/31/21	4.00	32.22	ND	NA	21.28	6,912.59	NA	9 - 29	Chinle/Alluvial Interface
OW-63	04/26/21	4.00	32.22	ND	NA	21.40	6,912.47	NA	9 - 29	Chinle/Alluvial Interface
OW-63	05/20/21	4.00	32.22	ND	NA	21.52	6,912.35	NA	9 - 29	Chinle/Alluvial Interface
OW-63	06/02/21	4.00	32.22	ND	NA	21.37	6,912.50	NA	9 - 29	Chinle/Alluvial Interface
OW-63	07/06/21	4.00	32.22	ND	NA	23.20	6,910.67	NA	9 - 29	Chinle/Alluvial Interface
OW-63	08/25/21	4.00	32.22	ND	NA	21.74	6,912.13	NA	9 - 29	Chinle/Alluvial Interface
OW-63	09/28/21	4.00	32.22	ND	NA	21.85	6,912.02	NA	9 - 29	Chinle/Alluvial Interface

**TABLE 2B. FLUID LEVEL MEASUREMENTS FOR NON MKTF WELLS
MARATHON GALLUP REFINERY
GALLUP, NEW MEXICO**

Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground water Elevation (ft)	Corrected Water Table ¹ Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
OW-64	11/18/19	4.00	27.35	ND	NA	8.40	6,937.69	NA	4 - 24	Chinle/Alluvial Interface
OW-64	09/14/20	4.00	27.35	ND	NA	7.95	6,938.14	NA	4 - 24	Chinle/Alluvial Interface
OW-64	11/09/20	4.00	27.35	ND	NA	8.18	6,937.91	NA	4 - 24	Chinle/Alluvial Interface
OW-64	12/07/20	4.00	27.35	ND	NA	8.26	6,937.83	NA	4 - 24	Chinle/Alluvial Interface
OW-64	01/28/21	4.00	27.35	ND	NA	8.54	6,937.55	NA	4 - 24	Chinle/Alluvial Interface
OW-64	02/27/21	4.00	27.35	ND	NA	8.29	6,937.80	NA	4 - 24	Chinle/Alluvial Interface
OW-64	03/31/21	4.00	27.35	ND	NA	8.37	6,937.72	NA	4 - 24	Chinle/Alluvial Interface
OW-64	04/26/21	4.00	27.35	ND	NA	8.28	6,937.81	NA	4 - 24	Chinle/Alluvial Interface
OW-64	05/20/21	4.00	27.35	ND	NA	8.08	6,938.01	NA	4 - 24	Chinle/Alluvial Interface
OW-64	06/02/21	4.00	27.35	ND	NA	8.13	6,937.96	NA	4 - 24	Chinle/Alluvial Interface
OW-64	07/06/21	4.00	27.35	ND	NA	7.40	6,938.69	NA	4 - 24	Chinle/Alluvial Interface
OW-64	08/25/21	4.00	27.35	ND	NA	7.75	6,938.34	NA	4 - 24	Chinle/Alluvial Interface
OW-64	09/09/21	4.00	27.35	ND	NA	7.94	6,938.15	NA	4 - 24	Chinle/Alluvial Interface

**TABLE 2B. FLUID LEVEL MEASUREMENTS FOR NON MKTF WELLS
MARATHON GALLUP REFINERY
GALLUP, NEW MEXICO**

Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground water Elevation (ft)	Corrected Water Table ¹ Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
OW-65	11/04/19	4.00	40.00	22.30	8.55	30.85	6,921.98	6928.82	17 - 37	Chinle/Alluvial Interface
OW-65	09/14/20	4.00	42.80	24.70	6.06	30.76	6,922.07	6926.92	17 - 37	Chinle/Alluvial Interface
OW-65	11/09/20	4.00	42.80	25.05	7.30	32.35	6,920.48	6926.32	17 - 37	Chinle/Alluvial Interface
OW-65	12/08/20	4.00	42.50	25.79	6.16	31.95	6,920.88	6925.81	17 - 37	Chinle/Alluvial Interface
OW-65	01/28/21	4.00	42.50	26.63	5.12	31.75	6,921.08	6925.18	17 - 37	Chinle/Alluvial Interface
OW-65	02/27/21	4.00	41.75	26.41	7.30	33.71	6,919.12	6924.96	17 - 37	Chinle/Alluvial Interface
OW-65	03/31/21	4.00	41.75	27.40	6.48	33.88	6,918.95	6924.13	17 - 37	Chinle/Alluvial Interface
OW-65	04/26/21	4.00	40.25	28.01	5.94	33.95	6,918.88	6923.63	17 - 37	Chinle/Alluvial Interface
OW-65	05/20/21	4.00	39.50	28.16	7.01	35.17	6,917.66	6923.27	17 - 37	Chinle/Alluvial Interface
OW-65	06/02/21	4.00	39.50	26.91	5.75	32.66	6,920.17	6924.77	17 - 37	Chinle/Alluvial Interface
OW-65	07/12/21	4.00	39.50	28.27	6.51	34.78	6,918.05	6923.26	17 - 37	Chinle/Alluvial Interface
OW-65	08/03/21	4.00	39.50	28.28	4.01	32.29	6,920.54	6923.75	17 - 37	Chinle/Alluvial Interface
OW-65	09/07/21	4.00	39.50	28.37	6.13	34.50	6,918.33	6923.23	17 - 37	Chinle/Alluvial Interface

**TABLE 2B. FLUID LEVEL MEASUREMENTS FOR NON MKTF WELLS
MARATHON GALLUP REFINERY
GALLUP, NEW MEXICO**

Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground water Elevation (ft)	Corrected Water Table ¹ Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
RW-1	11/01/19	4.00	NM	NM	NA	NM	NA	NA	25 - 40	Chinle/Alluvial Interface
RW-1	09/19/20	4.00	43.45	28.07	2.13	30.20	6,915.86	6,917.56	25 - 40	Chinle/Alluvial Interface
RW-1	11/10/20	4.00	43.45	29.50	0.83	30.33	6,915.73	6,916.39	25 - 40	Chinle/Alluvial Interface
RW-1	12/08/20	4.00	43.45	29.50	0.83	30.33	6,915.73	6,916.39	25 - 40	Chinle/Alluvial Interface
RW-1	01/28/21	4.00	43.45	29.98	0.35	30.33	6,915.73	6,916.01	25 - 40	Chinle/Alluvial Interface
RW-1	02/27/21	4.00	43.45	29.75	1.30	31.05	6,915.01	6,916.05	25 - 40	Chinle/Alluvial Interface
RW-1	03/31/21	4.00	43.45	29.90	2.11	32.01	6,914.05	6,915.74	25 - 40	Chinle/Alluvial Interface
RW-1	04/26/21	4.00	43.45	29.81	2.08	31.89	6,914.17	6,915.83	25 - 40	Chinle/Alluvial Interface
RW-1	05/20/21	4.00	43.45	30.05	3.18	33.23	6,912.83	6,915.37	25 - 40	Chinle/Alluvial Interface
RW-1	06/01/21	4.00	43.45	30.33	3.09	33.42	6,912.64	6,915.11	25 - 40	Chinle/Alluvial Interface
RW-1	07/12/21	4.00	43.45	29.57	2.30	31.87	6,914.19	6,916.03	25 - 40	Chinle/Alluvial Interface
RW-1	08/25/21	4.00	43.45	30.75	1.50	32.25	6,913.81	6,915.01	25 - 40	Chinle/Alluvial Interface
RW-1	09/09/21	4.00	43.45	29.53	1.49	31.02	6,915.04	6,916.23	25 - 40	Chinle/Alluvial Interface

**TABLE 2B. FLUID LEVEL MEASUREMENTS FOR NON MKTF WELLS
MARATHON GALLUP REFINERY
GALLUP, NEW MEXICO**

Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground water Elevation (ft)	Corrected Water Table ¹ Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
RW-2	11/01/19	4.00	NM	NM	NA	NM	NA	NA	26.1 - 36.1	Chinle/Alluvial Interface
RW-2	09/19/20	4.00	40.00	22.10	0.13	22.23	6,906.30	6,906.40	26.1 - 36.1	Chinle/Alluvial Interface
RW-2	11/09/20	4.00	40.00	22.09	0.19	22.28	6,906.25	6,906.40	26.1 - 36.1	Chinle/Alluvial Interface
RW-2	12/08/20	4.00	40.00	22.20	0.18	22.38	6,906.15	6,906.29	26.1 - 36.1	Chinle/Alluvial Interface
RW-2	01/28/21	4.00	40.00	ND	NA	22.40	6,906.13	NA	26.1 - 36.1	Chinle/Alluvial Interface
RW-2	02/27/21	4.00	40.00	22.40	0.05	22.45	6,906.08	6,906.12	26.1 - 36.1	Chinle/Alluvial Interface
RW-2	03/31/21	4.00	40.00	22.70	0.15	22.85	6,905.68	6,905.80	26.1 - 36.1	Chinle/Alluvial Interface
RW-2	04/26/21	4.00	40.00	23.05	0.14	23.19	6,905.34	6,905.45	26.1 - 36.1	Chinle/Alluvial Interface
RW-2	05/20/21	4.00	40.00	23.77	0.09	23.86	6,904.67	6,904.74	26.1 - 36.1	Chinle/Alluvial Interface
RW-2	06/01/21	4.00	40.00	23.80	0.06	23.86	6,904.67	6,904.72	26.1 - 36.1	Chinle/Alluvial Interface
RW-2	07/06/21	4.00	40.00	ND	NA	23.67	6,904.86	NA	26.1 - 36.1	Chinle/Alluvial Interface
RW-2	08/09/21	4.00	40.00	ND	NA	24.50	6,904.03	NA	26.1 - 36.1	Chinle/Alluvial Interface
RW-2R	08/31/21	4.00	31.50	22.21	2.67	24.88	6,909.33	6,911.47	11.5 - 31.5	Chinle/Alluvial Interface
RW-2R	09/09/21	4.00	31.50	22.26	2.66	24.92	6,909.29	6,911.42	11.5 - 31.5	Chinle/Alluvial Interface

**TABLE 2B. FLUID LEVEL MEASUREMENTS FOR NON MKTF WELLS
MARATHON GALLUP REFINERY
GALLUP, NEW MEXICO**

Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground water Elevation (ft)	Corrected Water Table ¹ Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
RW-5	11/01/19	4.00	NM	NM	NA	NM	NA	NA	29.5 - 39.5	Chinle/Alluvial Interface
RW-5	09/19/20	4.00	39.51	29.59	3.22	32.81	6,910.76	6,913.34	29.5 - 39.5	Chinle/Alluvial Interface
RW-5	11/09/20	4.00	39.51	29.86	3.17	33.03	6,910.54	6,913.08	29.5 - 39.5	Chinle/Alluvial Interface
RW-5	12/08/20	4.00	39.51	33.15	6.36	39.51	6,904.06	6,909.15	29.5 - 39.5	Chinle/Alluvial Interface
RW-5	01/28/21	4.00	39.51	32.42	1.56	33.98	6,909.59	6,910.84	29.5 - 39.5	Chinle/Alluvial Interface
RW-5	02/27/21	4.00	39.51	31.02	0.63	31.65	6,911.92	6,912.42	29.5 - 39.5	Chinle/Alluvial Interface
RW-5	03/31/21	4.00	39.51	30.10	1.49	31.59	6,911.98	6,913.17	29.5 - 39.5	Chinle/Alluvial Interface
RW-5	04/26/21	4.00	39.51	30.43	1.33	31.76	6,911.81	6,912.87	29.5 - 39.5	Chinle/Alluvial Interface
RW-5	05/20/21	4.00	39.51	30.76	0.14	30.90	6,912.67	6,912.78	29.5 - 39.5	Chinle/Alluvial Interface
RW-5	06/01/21	4.00	39.51	31.20	0.66	31.86	6,911.71	6,912.24	29.5 - 39.5	Chinle/Alluvial Interface
RW-5	07/12/21	4.00	39.51	30.29	2.62	32.91	6,910.66	6,912.76	29.5 - 39.5	Chinle/Alluvial Interface
RW-5	08/25/21	4.00	39.51	31.22	2.88	34.10	6,909.47	6,911.77	29.5 - 39.5	Chinle/Alluvial Interface
RW-5	09/09/21	4.00	39.51	30.34	3.10	33.44	6,910.13	6,912.61	29.5 - 39.5	Chinle/Alluvial Interface

**TABLE 2B. FLUID LEVEL MEASUREMENTS FOR NON MKTF WELLS
MARATHON GALLUP REFINERY
GALLUP, NEW MEXICO**

Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground water Elevation (ft)	Corrected Water Table ¹ Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
RW-6	09/19/20	4.00	40.85	29.72	2.92	32.64	6,911.37	6,913.71	28.5 - 38.5	Chinle/Alluvial Interface
RW-6	11/09/20	4.00	40.85	29.98	3.07	33.05	6,910.96	6,913.42	28.5 - 38.5	Chinle/Alluvial Interface
RW-6	12/08/20	4.00	40.85	30.18	3.13	33.31	6,910.70	6,913.20	28.5 - 38.5	Chinle/Alluvial Interface
RW-6	01/28/21	4.00	40.85	30.22	2.90	33.12	6,910.89	6,913.21	28.5 - 38.5	Chinle/Alluvial Interface
RW-6	02/27/21	4.00	40.85	30.45	3.23	33.68	6,910.33	6,912.91	28.5 - 38.5	Chinle/Alluvial Interface
RW-6	03/31/21	4.00	40.85	31.60	0.10	31.70	6,912.31	6,912.39	28.5 - 38.5	Chinle/Alluvial Interface
RW-6	04/26/21	4.00	40.85	31.58	0.03	31.61	6,912.40	6,912.42	28.5 - 38.5	Chinle/Alluvial Interface
RW-6	05/20/21	4.00	40.85	31.61	0.03	31.64	6,912.37	6,912.39	28.5 - 38.5	Chinle/Alluvial Interface
RW-6	06/01/21	4.00	40.85	32.11	0.13	32.24	6,911.77	6,911.87	28.5 - 38.5	Chinle/Alluvial Interface
RW-6	07/12/21	4.00	40.85	30.20	3.29	33.49	6,910.52	6,913.15	28.5 - 38.5	Chinle/Alluvial Interface
RW-6	08/03/21	4.00	40.85	30.19	3.20	33.39	6,910.62	6,913.18	28.5 - 38.5	Chinle/Alluvial Interface
RW-6	09/09/21	4.00	40.85	30.34	3.10	33.44	6,910.57	6,913.05	28.5 - 38.5	Chinle/Alluvial Interface

**TABLE 2B. FLUID LEVEL MEASUREMENTS FOR NON MKTF WELLS
MARATHON GALLUP REFINERY
GALLUP, NEW MEXICO**

Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground water Elevation (ft)	Corrected Water Table ¹ Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
STP1-NW	10/22/19	2.00	50.00	ND	NA	20.76	6,883.71	NA	20 - 50	Chinle/Alluvial Interface
STP1-NW	12/08/20	2.00	50.28	ND	NA	20.78	6,883.69	NA	20 - 50	Chinle/Alluvial Interface
STP1-NW	01/28/21	2.00	50.56	ND	NA	20.76	6,883.71	NA	20 - 50	Chinle/Alluvial Interface
STP1-NW	02/28/21	2.00	49.85	ND	NA	20.60	6,883.87	NA	20 - 50	Chinle/Alluvial Interface
STP1-NW	03/31/21	2.00	49.85	ND	NA	21.95	6,882.52	NA	20 - 50	Chinle/Alluvial Interface
STP1-NW	04/26/21	2.00	48.43	ND	NA	20.81	6,883.66	NA	20 - 50	Chinle/Alluvial Interface
STP1-NW	05/20/21	2.00	47.72	ND	NA	22.19	6,882.28	NA	20 - 50	Chinle/Alluvial Interface
STP1-NW	06/03/21	2.00	47.72	ND	NA	22.16	6,882.31	NA	20 - 50	Chinle/Alluvial Interface
STP1-NW	07/12/21	2.00	47.72	ND	NA	22.32	6,882.15	NA	20 - 50	Chinle/Alluvial Interface
STP1-NW	08/31/21	2.00	47.72	ND	NA	21.75	6,882.72	NA	20 - 50	Chinle/Alluvial Interface
STP1-NW	09/08/21	2.00	47.72	ND	NA	21.75	6,882.72	NA	20 - 50	Chinle/Alluvial Interface

**TABLE 2B. FLUID LEVEL MEASUREMENTS FOR NON MKTF WELLS
MARATHON GALLUP REFINERY
GALLUP, NEW MEXICO**

Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Total Well Depth (ft)	Depth to SPH (ft)	SPH Column Thickness (ft)	Depth to Water (ft)	Ground water Elevation (ft)	Corrected Water Table ¹ Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
STP1-SW	10/22/19	2.00	NM	NM	NA	NM	NA	NA	15 - 30	Chinle/Alluvial Interface
STP1-SW	12/08/20	2.00	29.25	ND	NA	29.23	6,883.15	NA	15 - 30	Chinle/Alluvial Interface
STP1-SW	02/28/21	2.00	29.15	29.10	0.02	29.12	6,883.26	6,883.28	15 - 30	Chinle/Alluvial Interface
STP1-SW	03/31/21	2.00	29.15	29.10	0.05	29.15	6,883.23	6,883.27	15 - 30	Chinle/Alluvial Interface
STP1-SW	04/26/21	2.00	29.16	ND	NA	28.96	6,883.42	NA	15 - 30	Chinle/Alluvial Interface
STP1-SW	05/22/21	2.00	29.16	ND	NA	29.70	6,882.68	NA	15 - 30	Chinle/Alluvial Interface
STP1-SW	06/03/21	2.00	29.16	ND	NA	28.97	6,883.41	NA	15 - 30	Chinle/Alluvial Interface
STP1-SW	07/12/21	2.00	29.16	ND	NA	DRY	NA	NA	15 - 30	Chinle/Alluvial Interface
STP1-SW	08/31/21	2.00	29.16	ND	NA	DRY	NA	NA	15 - 30	Chinle/Alluvial Interface
STP1-SW	09/08/21	2.00	29.16	ND	NA	DRY	NA	NA	15 - 30	Chinle/Alluvial Interface

Notes:

¹ = Corrected water table elevation calculation = (SPH thickness x 0.8) + ground water elevation

ft = feet

SPH = separate phase hydrocarbon

NA = Not Applicable

ND = Not detected

NM = Not Measured

Depth to Water Column - if 0.00 is indicated - means water is at top of casing (full) under artesian flow conditions

Dry indicates no fluid was detected

**TABLE 3A. JULY VACUUM TRUCK EXTRACTIONS - MKTF WELLS
MARATHON GALLUP REFINERY
GALLUP, NEW MEXICO**

Location	Date	DTP (ft)	DTW (ft)	Recovery Method	Product Thickness (ft)	Volume/Foot (gal)	Total Fluids Pumped/Recovered (gal)	Water Volume Recovered (gal)	Product Volume Recovered (gal)	Total Depth (ft)	Casing Diameter (in)	Comments
MKTF-5	7/6/2021	15.42	15.68	Vac Truck	0.26	0.74	1.78	1.59	0.19	17.83	4	
MKTF-5	7/7/2021	15.73	15.78	Post Recovery	0.05							
MKTF-6	7/6/2021	18.55	19.07	Vac Truck	0.52	0.74	3.88	3.49	0.385	23.79	4	
MKTF-6	7/7/2021	18.60	19.10	Post Recovery	0.50							
MKTF-7	7/6/2021	13.35	13.69	Vac Truck	0.34	0.74	3.02	2.77	0.252	17.43	4	
MKTF-7	7/7/2021	13.41	13.73	Post Recovery	0.32							
MKTF-8	7/6/2021	14.97	15.33	Vac Truck	0.36	0.74	5.20	4.94	0.266	22.00	4	
MKTF-8	7/7/2021	15.03	15.75	Post Recovery	0.72							
MKTF-13	7/6/2021	13.85	17.50	Vac Truck	3.65	0.74	6.13	3.43	2.701	22.13	4	
MKTF-13	7/7/2021	14.03	17.81	Post Recovery	3.78							
MKTF-14	7/6/2021	7.63	8.06	Vac Truck	0.43	0.74	7.17	6.85	0.318	17.32	4	
MKTF-14	7/7/2021	7.95	8.33	Post Recovery	0.38							
MKTF-17	7/7/2021	NA	12.61	Vac Truck	0.00	0.16	1.97	1.97	0.003	24.67	2	No SPH detected
MKTF-17	7/8/2021	NA	13.12	Post Recovery	0.00							No SPH detected
MKTF-20	7/7/2021	NA	NA	Vac Truck	0.00	0.74	0.53	0.00	0.000	9.62	4	Dry
MKTF-20	7/8/2021	NA	NA	Post Recovery	0.00							Dry
MKTF-22	7/7/2021	25.63	28.56	Vac Truck	2.93	0.16	1.54	1.06	0.478	35.09	2	
MKTF-22	7/8/2021	26.11	29.23	Post Recovery	3.12							
MKTF-26	7/7/2021	NA	9.34	Vac Truck	0.00	0.16	1.23	1.23	0.000	16.89	2	No SPH detected
MKTF-26	7/8/2021	NA	10.13	Post Recovery	0.00							No SPH detected
MKTF-33	7/7/2021	23.35	23.40	Vac Truck	0.05	0.16	1.60	1.59	0.008	33.15	2	
MKTF-33	7/8/2021	23.90	29.10	Post Recovery	5.20							
MKTF-39	7/7/2021	10.19	11.43	Vac Truck	1.24	0.74	14.84	13.92	0.918	30.24	4	
MKTF-39	7/8/2021	10.40	11.85	Post Recovery	1.45							
MKTF-45	7/6/2021	NA	14.43	Vac Truck	0.00	0.74	11.70	11.70	0.000	30.24	4	No SPH detected
MKTF-45	7/7/2021	NA	14.82	Post Recovery	0.00							No SPH detected
						Total Extracted (gal)	60.59	54.53	5.52			

NOTES:

DTP = Depth to product

DTW = Depth to water

SPH = Separate Phase Hydrocarbon

ft = feet

gal = gallons

in = inches

**TABLE 3B. JULY VACUUM TRUCK EXTRACTIONS - TANK FARM WELLS
MARATHON GALLUP REFINERY
GALLUP, NEW MEXICO**

Location	Date	DTP (ft)	DTW (ft)	Recovery Method	Product Thickness (ft)	Volume/ Foot (gal)	Total Fluids Pumped/ Recovered (gal)	Water Volume Recovered (gal)	Product Volume Recovered (gal)	Total Depth (ft)	Casing Diameter (in)	Comments
OW-61	7/12/2021	19.62	24.25	Vac Truck	4.63	0.74	6.20	2.78	3.426	28.0	4	
OW-61	7/13/2021	19.80	24.66	Post Recovery	4.86							
OW-65	7/12/2021	28.27	34.78	Vac Truck	6.51	0.74	6.46	1.64	4.817	37.0	4	
OW-65	7/13/2021	28.61	35.14	Post Recovery	6.53							
RW-1	7/12/2021	29.57	31.87	Vac Truck	2.30	0.74	9.97	8.27	1.702	43.0	4	
RW-1	7/13/2021	30.22	32.13	Post Recovery	1.91							
RW-2	7/12/2021	NA	23.67	Vac Truck	0.00	0.74	12.73	12.73	0.000	39.8	4	No SPH detected
RW-2	7/13/2021	NA	24.01	Post Recovery	0.00							No SPH detected
RW-5	7/12/2021	30.29	32.91	Vac Truck	2.62	0.74	6.88	4.94	1.939	39.6	4	
RW-5	7/13/2021	30.75	33.38	Post Recovery	2.63							
RW-6	7/12/2021	30.20	33.49	Vac Truck	3.29	0.74	7.92	5.48	2.435	40.9	4	
RW-6	7/13/2021	31.06	34.20	Post Recovery	3.14							
						Total Extracted (gal)	50.16	35.84	14.32			

NOTES:

DTP = Depth to product

DTW = Depth to water

SPH = Separate Phase Hydrocarbon

ft = feet

gal = gallons

in = inches

Vac = Vacuum

**TABLE 3C. AUGUST VACUUM TRUCK EXTRACTIONS - MKTF WELLS
MARATHON GALLUP REFINERY
GALLUP, NEW MEXICO**

Location	Date	DTP (ft)	DTW (ft)	Recovery Method	Product Thickness (ft)	Volume/Foot (gal)	Total Fluids Pumped/Recovered (gal)	Water Volume Recovered (gal)	Product Volume Recovered (gal)	Total Depth (ft)	Casing Diameter (in)	Comments
MKTF-5	8/2/2021	14.52	15.25	Vac Truck	0.73	0.74	2.45	1.91	0.540	17.83	4	
MKTF-5	8/3/2021	14.81	15.30	Post Recovery	0.49							
MKTF-6	NA	NA	NA	Vac Truck	NA	0.74	0.00	0.00	0.000	23.79	4	Could not access due to mud
MKTF-6	NA	NA	NA	Post Recovery	NA							Could not access due to mud
MKTF-7	8/2/2021	13.39	13.85	Vac Truck	0.46	0.74	2.99	2.65	0.340	17.43	4	
MKTF-7	8/3/2021	13.42	13.83	Post Recovery	0.41							
MKTF-8	8/2/2021	14.93	15.09	Vac Truck	0.16	0.74	5.23	5.11	0.118	22.00	4	
MKTF-8	8/3/2021	15.04	15.10	Post Recovery	0.06							
MKTF-13	8/9/2021	12.80	17.18	Vac Truck	4.38	0.74	6.90	3.66	3.241	22.13	4	
MKTF-13	8/10/2021	12.98	17.04	Post Recovery	4.06							
MKTF-14	8/2/2021	6.39	6.86	Vac Truck	0.47	0.74	8.09	7.74	0.348	17.32	4	
MKTF-14	8/3/2021	6.45	6.94	Post Recovery	0.49							
MKTF-17	8/4/2021	12.54	12.55	Vac Truck	0.01	0.16	1.977	1.976	0.002	24.67	2	
MKTF-17	8/5/2021	12.99	13.00	Post Recovery	0.01							
MKTF-20	8/2/2021	NA	8.93	Vac Truck	0.00	0.74	0.51	0.51	0.000	9.62	4	No SPH detected
MKTF-20	8/3/2021	NA	9.01	Post Recovery	0.00							No SPH detected
MKTF-22	8/4/2021	25.45	27.80	Vac Truck	2.35	0.16	1.57	1.19	0.383	35.09	2	
MKTF-22	8/5/2021	25.52	27.83	Post Recovery	2.31							
MKTF-26	8/4/2021	8.83	8.85	Vac Truck	0.02	0.16	1.31	1.31	0.003	16.89	2	
MKTF-26	8/5/2021	9.10	9.11	Post Recovery	0.01							
MKTF-33	8/4/2021	23.44	23.53	Vac Truck	0.09	0.16	1.58	1.57	0.015	33.15	2	
MKTF-33	8/5/2021	23.22	23.42	Post Recovery	0.20							
MKTF-39	8/4/2021	9.12	9.82	Vac Truck	0.70	0.74	15.63	15.11	0.518	30.24	4	
MKTF-39	8/5/2021	9.45	9.94	Post Recovery	0.49							
MKTF-45	8/2/2021	14.45	14.47	Vac Truck	0.02	0.74	11.68	11.67	0.015	30.24	4	
MKTF-45	8/3/2021	14.81	14.82	Post Recovery	0.01							
MKTF-49	8/4/2021	21.12	22.12	Vac Truck	1.00	0.16	1.49	1.32	0.16	30.24	4	
MKTF-49	8/5/2021	23.18	23.23	Post Recovery	0.05							
						Total Extracted (gal)	49.73	44.06	5.67			

NOTES:

DTP = Depth to product

DTW = Depth to water

SPH = Separate Phase Hydrocarbon

NA = Not Applicable

ft = feet

gal = gallons

in = inches

Vac = Vacuum

**TABLE 3D. AUGUST VACUUM TRUCK EXTRACTIONS - TANK FARM WELLS
MARATHON GALLUP REFINERY
GALLUP, NEW MEXICO**

Location	Date	DTP (ft)	DTW (ft)	Recovery Method	Product Thickness (ft)	Volume/ Foot (gal)	Total Fluids Pumped/ Recovered (gal)	Water Volume Recovered (gal)	Product Volume Recovered (gal)	Total Depth (ft)	Casing Diameter (in)	Comments
OW-61	8/3/2021	19.89	23.29	Vac Truck	3.40	0.74	6.00	3.49	2.516	28.0	4	
OW-61	8/4/2021	20.11	23.27	Post Recovery	3.16							
OW-65	8/3/2021	28.28	32.29	Vac Truck	4.01	0.74	6.45	3.49	2.967	37.0	4	
OW-65	8/4/2021	29.11	31.13	Post Recovery	2.02							
RW-1	8/9/2021	30.01	31.03	Vac Truck	1.02	0.74	9.64	8.89	0.755	43.0	4	
RW-1	8/10/2021	30.75	31.15	Post Recovery	0.40							
RW-2	8/9/2021	NA	24.50	Vac Truck	0.00	0.74	11.32	11.32	0.000	39.8	4	No SPH detected
RW-2	8/10/2021	NA	24.96	Post Recovery	0.00							No SPH detected
RW-5	8/3/2021	30.20	32.96	Vac Truck	2.76	0.74	6.95	4.91	2.042	39.6	4	
RW-5	8/4/2021	30.71	33.16	Post Recovery	2.45							
RW-6	8/3/2021	30.19	33.39	Vac Truck	3.20	0.74	7.93	5.56	2.368	40.9	4	
RW-6	8/4/2021	30.92	34.20	Post Recovery	3.28							
						Total Extracted (gal)	48.29	37.64	10.65			

NOTES:

DTP = Depth to product

DTW = Depth to water

SPH = Separate Phase Hydrocarbon

ft = feet

gal = gallons

in = inches

Vac = Vacuum

**TABLE 3E. SEPTEMBER VACUUM TRUCK EXTRACTIONS - MKTF WELLS
MARATHON GALLUP REFINERY
GALLUP, NEW MEXICO**

Location	Date	DTP (ft)	DTW (ft)	Recovery Method	Product Thickness (ft)	Volume/Foot (gal)	Total Fluids Pumped/Recovered (gal)	Water Volume Recovered (gal)	Product Volume Recovered (gal)	Total Depth (ft)	Casing Diameter (in)	Comments
MKTF-5	9/7/2021	14.27	15.34	Vac Truck	1.07	0.74	2.63	1.84	0.792	17.83	4	
MKTF-5	9/8/2021	14.55	15.41	Post Recovery	0.86							
MKTF-6	NA	NA	NA	Vac Truck	NA	0.74	0.00	0.00	0.000	23.79	4	Could not access due to mud
MKTF-6	NA	NA	NA	Post Recovery	NA							Could not access due to mud
MKTF-7	9/7/2021	13.26	13.68	Vac Truck	0.42	0.74	3.09	2.78	0.311	17.43	4	
MKTF-7	9/8/2021	13.40	13.71	Post Recovery	0.31							
MKTF-8	9/7/2021	14.77	14.99	14.89	0.22	0.74	5.35	5.19	0.163	22.00	4	
MKTF-8	9/8/2021	14.26	15.08	Post Recovery	0.82							
MKTF-13	9/7/2021	13.00	16.60	Vac Truck	3.60	0.74	6.76	4.09	2.664	22.13	4	
MKTF-13	9/8/2021	13.22	16.57	Post Recovery	3.35							
MKTF-14	9/7/2021	7.02	7.19	Vac Truck	0.17	0.74	7.62	7.50	0.126	17.32	4	
MKTF-14	9/8/2021	7.16	7.24	Post Recovery	0.08							
MKTF-17R	9/7/2021	NA	12.97	Vac Truck	0.00	0.16	1.91	1.91	0.000	24.67	2	No SPH detected
MKTF-17R	9/8/2021	NA	13.44	Post Recovery	0.00							No SPH detected
MKTF-20	9/7/2021	NA	NA	Vac Truck	0.00	0.74	0.00	0.00	0.000	9.62	4	DRY
MKTF-20	9/8/2021	NA	NA	Post Recovery	0.00							DRY
MKTF-22	9/9/2021	25.64	27.61	Vac Truck	1.97	0.16	1.54	1.22	0.321	35.09	2	
MKTF-22	9/10/2021	25.74	27.65	Post Recovery	1.91							
MKTF-26	9/9/2021	9.02	9.04	Vac Truck	0.02	0.16	1.28	1.28	0.003	16.89	2	
MKTF-26	9/10/2021	9.47	9.48	Post Recovery	0.01							
MKTF-33	9/9/2021	23.47	23.65	Vac Truck	0.18	0.16	1.58	1.55	0.029	33.15	2	
MKTF-33	9/10/2021	23.67	23.68	Post Recovery	0.01							
MKTF-39	9/9/2021	9.18	9.63	Vac Truck	0.45	0.16	3.43	3.36	0.073	30.24	2	
MKTF-39	9/10/2021	9.40	9.71	Post Recovery	0.31							
MKTF-45	9/7/2021	14.43	14.45	Vac Truck	0.02	0.74	11.70	11.68	0.015	30.24	4	
MKTF-45	9/8/2021	14.71	14.72	Post Recovery	0.01							
MKTF-49	9/9/2021	20.77	21.83	Vac Truck	1.06	0.16	1.54	1.37	0.173	30.24	2	
MKTF-49	9/10/2021	21.63	21.67	Post Recovery	0.04							
						Total Extracted (gal)	36.73	32.08	4.655			

NOTES:

DTP = Depth to product

DTW = Depth to water

SPH = Separate Phase Hydrocarbon

NA = Not Applicable

ft = feet

gal = gallons

in = inches

Vac = Vacuum

**TABLE 3F. SEPTEMBER VACUUM TRUCK EXTRACTIONS - TANK FARM WELLS
MARATHON GALLUP REFINERY
GALLUP, NEW MEXICO**

Location	Date	DTP (ft)	DTW (ft)	Recovery Method	Product Thickness (ft)	Volume/ Foot (gal.)	Total Fluids Pumped/ Recovered (gal)	Water Volume Recovered (gal)	Product Volume Recovered (gal)	Total Depth (ft)	Casing Diameter (in)	Comments
OW-61	9/7/2021	20.36	23.78	Vac Truck	3.42	0.74	5.65	3.12	2.531	28.0	4	
OW-61	9/8/2021	20.60	23.86	Post Recovery	3.26							
OW-65	9/7/2021	28.37	34.50	Vac Truck	6.13	0.74	6.39	1.85	4.536	37.0	4	
OW-65	9/8/2021	29.46	34.94	Post Recovery	5.48							
RW-1	9/9/2021	29.53	31.02	Vac Truck	1.49	0.74	10.00	8.89	1.103	43.0	4	
RW-1	9/10/2021	30.27	31.10	Post Recovery	0.83							
RW-2R	9/9/2021	22.26	24.92	Vac Truck	2.66	0.74	6.84	4.87	1.968	31.5	4	
RW-2R	9/10/2021	23.11	25.21	Post Recovery	2.10							
RW-5	9/9/2021	30.34	33.02	Vac Truck	2.68	0.74	6.85	4.86	1.983	39.6	4	
RW-5	9/10/2021	30.86	33.20	Post Recovery	2.34							
RW-6	9/9/2021	30.34	33.44	Vac Truck	3.10	0.74	7.81	5.52	2.294	40.9	4	
RW-6	9/10/2021	31.14	33.64	Post Recovery	2.50							
						Total Extracted (gal)	43.53	29.12	14.42			

NOTES:

DTP = Depth to product

DTW = Depth to water

SPH = Separate Phase Hydrocarbon

ft = feet

gal = gallons

in = inches

Vac = Vacuum

ATTACHMENT A

New Mexico Environment Department to Marathon Petroleum Company Comment Letter “Approval with Modifications Hydrocarbon Seep Interim Measures 2021 Second Quarter Status Report” (September 14, 2021)

New Mexico Environment Department (NMED) Comment	Marathon Petroleum Company (MPC) Response
Comment 1: In the <i>Borrow Pit Activities</i>, page 2 of 3, paragraph 4, the Permittee states, "[t]he water seep [near the 90-day pad area] was inspected June 22, 2021 and was found to be dry with no evidence of SPH." In addition, separate phase hydrocarbon (SPH) was not detected in well MKTF-42 during the June 2021 gauging event according to Table 2A (Fluid Level Measurements for Wells MKTF-1 through MKTF-50), page 42 of 50. Although SPH was not detected at the water seep, NMED is concerned that SPH may potentially migrate further west toward the 90-day pad area. Comment 5 of the June 2, 2021 NMED's <i>Disapproval Marketing Tank Farm Laser-Induced Fluorescence/Hydraulic Profiling Investigation Report</i>, states, "the water seep location must also be visually monitored on a monthly basis for potential breakthrough." The Permittee must continue to monitor the water seep location and report the findings in the 2021 third quarter status report.	Response 1: The comment is acknowledged. The water seep has been monitored on a monthly basis and has remained dry. There has been no indication of SPH in this area. The water seep will continue to be monitored monthly.
Comment 2: In the <i>Borrow Pit Activities</i>, page 2 of 3, paragraph 5, the Permittee states, "[a] sentinel well was planned to be installed west of the Borrow Pit sumps in the 3rd quarter. Per NMED's [C]omment 5 from [the] Approval with Modifications Hydrocarbon Seep Interim Measures First Quarter Status Report, this well will not be installed. MKTF-32 is located west of the borrow pit and will serve as a sentinel well for the Borrow Pit seep area." Comment 5 of the NMED's July 6, 2021 <i>Approval with Modifications</i>, states, "the monitoring well proposed to be installed west of the borrow pit seep area does not appear to be necessary based on the results of the LIF investigation because well MKTF-32 is located west of the borrow pit seep area and may serve as a sentinel well. Provide a discussion in the 2021 second quarter status report." To clarify, Comment 5 constitutes	Response 2: MGR agreed with NMED's comment regarding using MKTK-32 as a sentinel well for the Borrow Pit seep area and it was decided not to install the additional well to the west of the Borrow Pit. Text in the 3rd quarter report states, "MGR agreed with NMED's comment 5 from Approval with Modifications Hydrocarbon Seep Interim Measures First Quarter Status Report, stating that MKTF-32 is located west of the borrow pit and could serve as a sentinel well for the Borrow Pit seep area, and the sentinel well was not installed. Additionally, there are two piezometers located near the originally proposed location for the sentinel well. These will also serve to monitor SPH migration to the west. To date, no SPH has been monitored in the piezometers."

**New Mexico Environment Department to Marathon Petroleum Company Comment Letter “Approval with Modifications
Hydrocarbon Seep Interim Measures 2021 Second Quarter Status Report” (September 14, 2021)**

New Mexico Environment Department (NMED) Comment	Marathon Petroleum Company (MPC) Response
an opinion about the necessity of the proposed monitoring well rather than directing the Permittee to use well MKTF-32 as a sentinel well. The comment requires the Permittee to evaluate and discuss whether well MKTF-32 is appropriate for use as a sentinel well for monitoring SPH migration. Evaluate and discuss whether the proposed monitoring well is necessary or if well MKTF-32 is adequate to monitoring SPH migration west of the Borrow Pit seep area in the 2021 third quarter status report.	
Comment 3:	Response 3:
In the <i>3rd Quarter 2021 IM Activities, Investigations, Hydrocarbon Seep Area Wells</i>, page 3 of 3, paragraph 2, the Permittee states, "[t]he replaced wells will provide a more accurate representation of SPH plume delineation. The existing wells [MKTF-1, MKTF-2, MKTF-4, MKTF-17, and MKTF-18] will be plugged and abandoned." Existing wells MKTF-1, MKTF-2, MKTF-4, MKTF-17, and MKTF-18 must not be plugged and abandoned; they must be preserved at this time. Furthermore, the replacement wells must be installed adjacent to the existing wells. NMED will evaluate the abandonment of the existing wells once the data collected from the existing and replacement wells are compared and evaluated. The Permittee must monitor the existing and replacement wells (once they have been installed) and submit the evaluation in a future status report. Acknowledge this provision in the 2021 third quarter status report.	The replacement wells, MKTF-1R, MKTF-2R, MKTF-4R, MKTF-17R, and MKTF-18R were installed adjacent to the original wells, however, per comment 40, <i>Disapproval, Annual Groundwater Monitoring Report, Gallup Refinery – 2015</i> (January 31, 2018) the original wells, MKTF-1, MKTF-2, MKTF-4, MKTF-17, and MKTF-18 were plugged and abandoned prior to receiving this comment.

**New Mexico Environment Department to Marathon Petroleum Company Comment Letter “Approval with Modifications
Hydrocarbon Seep Interim Measures 2021 Second Quarter Status Report” (September 14, 2021)**

New Mexico Environment Department (NMED) Comment	Marathon Petroleum Company (MPC) Response
Comment 4:	Response 4:
Table 2A (Fluid Level Measurements for Wells MKTF-1 through MKTF-50), page 49 of 50, reports the first appearance of SPH in well MKTF-49 on June 16, 2021. Well MKTF-49 is located directly downgradient from, and between, Tanks 101 and 102. Crude oil was previously stored in these tanks but are reportedly not in use. Confirm that Tanks 101 and 102 are not currently in use and describe the nature of the detected SPH in well MKTF-49 in the 2021 third quarter status report.	The comment is noted. Text in the 3rd quarter report states, “Field observations of the SPH in MKTF-49 are a brownish yellow fluid with a hydrocarbon odor. MKTF-49 is located between Tanks 101 and 102. Tanks 101 and 102 were taken out of service and cleaned during the 1st quarter of 2021.”
Comment 5:	Response 5:
Table 3A (April Vacuum Truck Extractions - MKTF-Wells) and 3C (May Vacuum Truck Extractions - MKTF-Wells) indicate that groundwater was not recovered; only SPH was recovered from well MKTF-20 during the recovery events. However, according to Table 2A, page 20 of 50, groundwater was present in well MKTF-20 during the April and May 2021 recovery events. Explain the discrepancy in the 2021 third quarter status report.	The discrepancy is noted and addressed in the 2021 3rd quarter report. The text states, “NMED noted a discrepancy in fluid type indicated in MKTF-20 from the monthly fluid levels and the vacuum truck extraction. This is likely explained by equipment error. The product that is sometimes present in MKTF-20 is a thick, dark, viscous fluid. The vacuum truck operator’s interface probe may have been saturated with this fluid and unable to read the transition to water. To avoid inconsistencies in the future, the same interface probe will be used to monitor monthly fluid levels and vacuum truck volumes. The probe that was used by the vacuum truck operator will be sent for servicing to address any potential equipment issue.”

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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 58158

CONDITIONS

Operator: Western Refining Southwest LLC 539 South Main Street Findlay, OH 45840	OGRID: 267595
	Action Number: 58158
	Action Type: [UF-DP] Discharge Permit (DISCHARGE PERMIT)

CONDITIONS

Created By	Condition	Condition Date
jburdine	Accepted for Record Retention Purposes-Only	11/22/2022