

**Western Refining Southwest LLC**

A subsidiary of Marathon Petroleum Corporation

I-40 Exit 39
Jamestown, NM 87347

March 2, 2022

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 Fourth Quarter Status Report
Western Refining Southwest LLC
(dba Marathon Gallup Refinery)
EPA ID# NMD000333211

Dear Mr. Pierard,

Please find enclosed the Hydrocarbon Seep Interim Measures Status Report for the fourth quarter of 2021 for the Marathon Gallup Refinery (MGR). Also included with this submittal is the response to comments from New Mexico Environment Department's (NMED), *Approval with Modifications Hydrocarbon Seep Interim Measures 2021 Third Quarter Status Report*, dated January 24, 2022 (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

A handwritten signature in cursive script that reads "Ruth A. Cade".

Ruth Cade
Vice-President

Enclosure

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

**QUARTERLY STATUS REPORT
HYDROCARBON SEEP INTERIM MEASURES
WESTERN REFINING SOUTHWEST LLC
D/B/A MARATHON GALLUP REFINERY
4th Quarter 2021**

This document provides the 4th Quarter 2021 Status Report for Interim Measures (IM) activities associated with the Hydrocarbon Seep Area at Western Refining Southwest LLC, D/B/A 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. In addition, 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 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 4th quarter of 2021. Activities and observations of note for the Hydrocarbon Seep Area include:

- There were 13,650 gallons (gals) of water and no SPH recovered from the standpipe sumps (S1 – S6) during the 4th quarter.
- There was no recovery from the retention ditch during this quarter as 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. Compared to the 3rd quarter of 2021, there was no notable change in fluid level trends in MKTF wells upgradient and in the vicinity of the Hydrocarbon Seep area, with most fluid levels fluctuating between +/- 0.5 feet (ft). The exceptions are MKTF-13 (+0.78 ft), MKTF-49 (+1.04 ft) and MKTF-02R (+6.40 ft). MKTF-02R was recently installed and it is expected that the significant change in fluid level is due to it achieving stability since installation. Fluid levels in MKTF-02R have been increasing since installation on August 31, 2021 (Table 2A).

Monthly Fluid Levels

Monthly fluid level data for the MKTF and refinery areas are found in Tables 2A and 2B. MKTF-20 contains water after being dry last quarter; however, this well has exhibited dry conditions intermittently in the past.

Fluids Recovery

Fluid recovery in MKTF wells upgradient of the Hydrocarbon Seep Area, with recoverable SPH, continued during the 4th Quarter of 2021 using a vacuum truck. A total of 262 gals of water and 49 gals of SPH were extracted in the 4th 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 3F.

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 have been observed within the retention ditch and to the south near the original seep location. 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. Sumps S-1, S-2, and S-3 have contained measurable SPH (2.27 ft to 5.37 ft) since installation on April 16, 2021. Other sumps and the piezometers did not contain measurable SPH immediately after installation. SPH was first detected in S-4 and S-5 in September 2021 (Table 4) and has been increasing in thickness in S-4, with a current thickness of 0.37 ft measured on December 22, 2021. SPH thickness in S-5 has been limited to a film (0.01 ft thickness), and not been detected consistently since October. No SPH has been detected in PZ-1 or PZ-2 since installation. An estimated total of 956 gals of SPH and 3,697 gals of water were recovered in the 4th Quarter (Table 4). Prior to November 23, 2021, fluid recovery estimates were based on sump depths, widths, and fluid level data. Since November 23, 2021, the recovered fluids are stored in a tote and measured once a week for improved accuracy in measuring recovered fluid volumes. The results of this change suggest that previous recovery volumes were overestimated. During the 4th quarter, volume measurements from the totes indicate a daily extraction average of SPH-recovered to be 13 gals (from 11/23/2021 to 12/22/2021) versus 31 gals estimated by fluid levels (between 10/4/2021 and 11/22/2021) (Table 4).

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 is monitored monthly for indications of SPH (Figure 2). The water seep area was inspected each month in the 4th quarter and was found to be dry, with the exception of snow melt, and had no evidence of SPH.

1st Quarter 2022 IM Activities

Following is a list of activities that are associated with ongoing IM activities to be completed in the 1st Quarter 2022.

Monitoring - Monthly groundwater gauging will continue through 2022. The water seep near the 90-day pad will be monitored for SPH monthly.

Hydrocarbon Seep Area - 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 fluid 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.

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

Three additional sumps will be installed in the Borrow Pit Seep area (Figure 2) as directed in Comments 1 and 2 of NMED's *Approval with Modifications, Borrow Pit Interceptor Sumps Installation Summary Letter*, dated August 17, 2021. The additional sumps will expand the recovery area to the north in the Borrow Pit and along the road to the south of the Borrow Pit. Recovery operation in the newly installed sumps will occur with the existing sumps at a rate of four time per week (weather permitting).

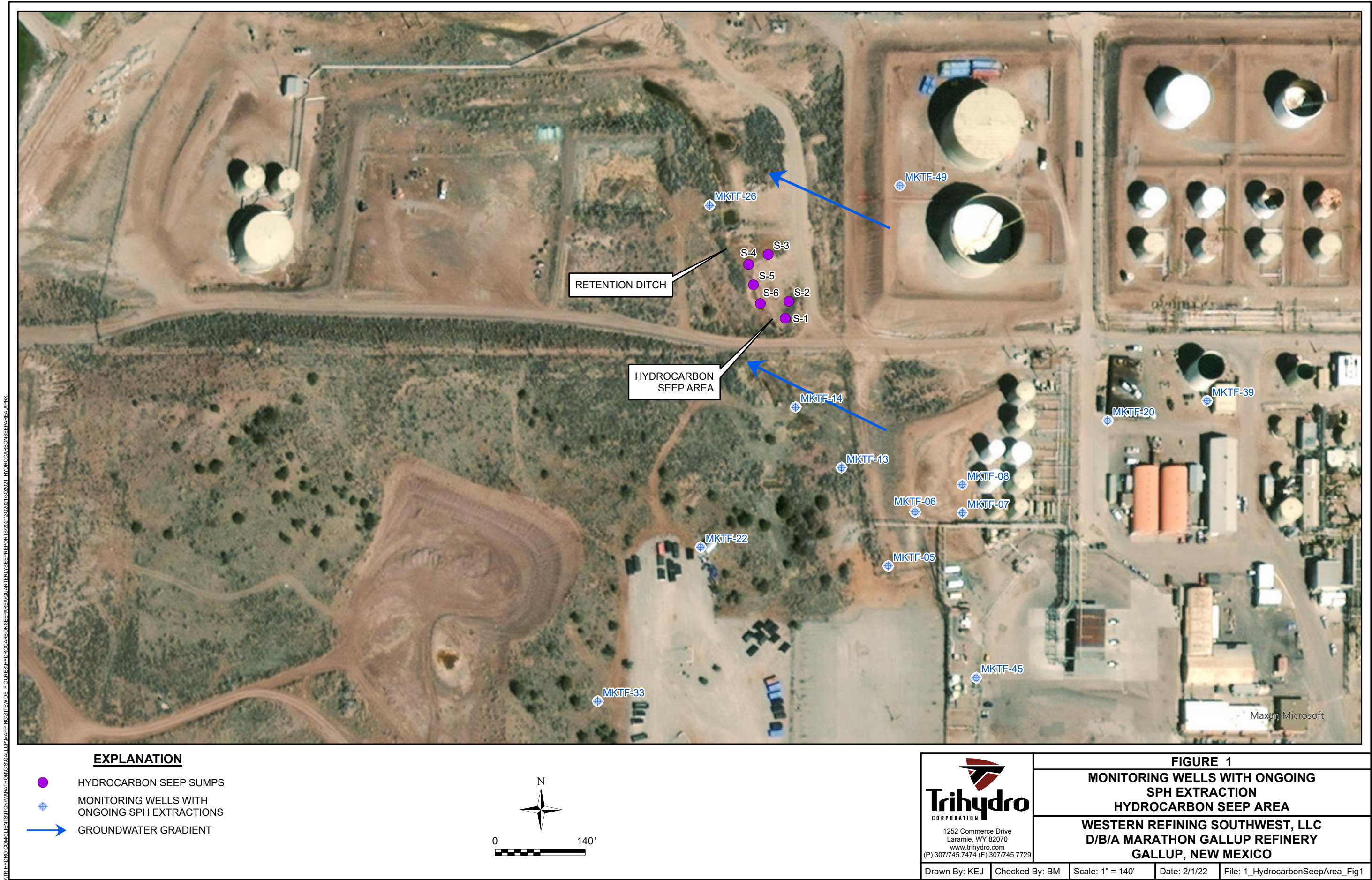
Sanitary Lagoon Investigation

The Sanitary Lagoon Investigation Phase II was complete on September 19th, 2021 (Figure 3). The investigation report will be complete and submitted to NMED during the 1st quarter 2022.

Investigations – The following investigative activities that pertain to seeps and releases in the area of the Hydrocarbon Seep area are expected to be scheduled for 2022, pending approval of work plans.

- **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. NMED's *Disapproval Sour Naphtha Release Investigation Work Plan* was received on November 23, 2021. The response to disapproval comments and revised work plan will be submitted to NMED by April 4, 2022.
- **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 Number 2 was submitted to NMED on September 1, 2021. NMED's *Disapproval Revised Investigation Work Plan No. 2 Area of Concern 35* was received on October 20, 2021. The revised IWP and response to disapproval comments will be submitted to NMED by March 31, 2022.

FIGURES

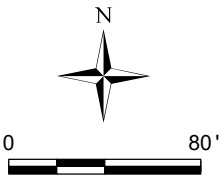




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EXPLANATION

- EXISTING SUMP LOCATION
- PROPOSED SUMP LOCATION
- MONITORING WELL LOCATION
- EXISTING PIEZOMETER LOCATION
- PROPOSED PIEZOMETER LOCATION
- SITE FEATURE



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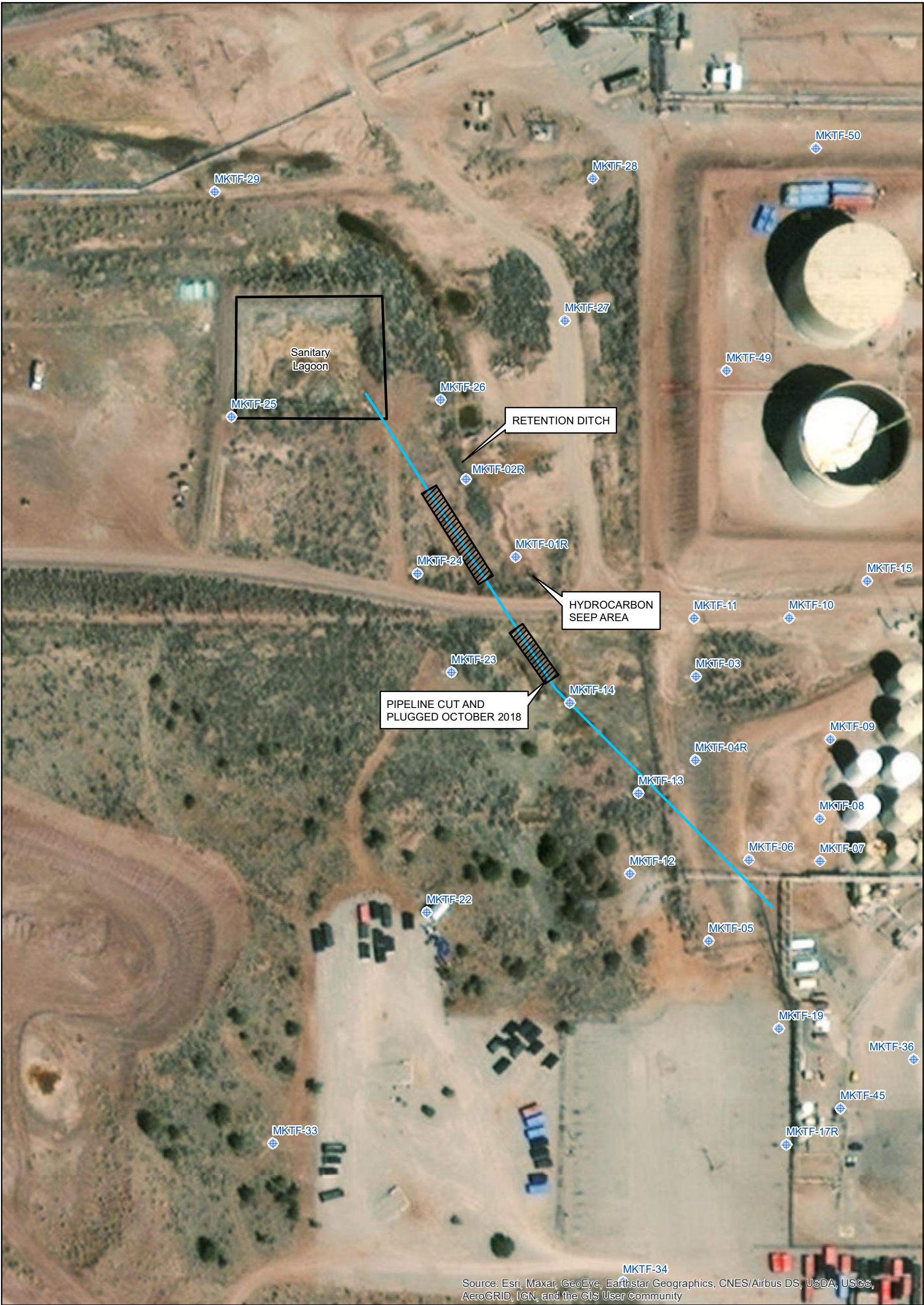
FIGURE 2

BORROW PIT SUMPS

**WESTERN REFINING SOUTHWEST, LLC
D/B/A MARATHON GALLUP REFINERY
GALLUP, NEW MEXICO**

Drawn By: KEJ | Checked By: MS | Scale: 1" = 80' | Date: 2/1/22 | File: 2_SumpPiez_BorrowPit_Fig2.mxd

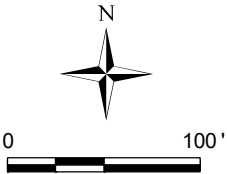
\\TRIH\HYDRO\COM\CLIENTS\ONMARATHON\GIS\GALLUP\WAPPING\GIS\VIEW\DE FIGURES\HYDROCARBON\SEEP\AREA\QUARTERLY\SEEP\REPORTS\2021\4Q2021\2. SUMPIEZ. BORROWPIT. FIG2.MXD



\\TRIHYDRO.COM\CLIENTS\WARRATHON\GIS\GALLUP\MAPPING\SITEWIDE - FIGURES\HYDROCARBONSEEPAREA\QUARTERLYSEEPREPORTS\2021\3Q2021\3 - OVERVIEW - SANITARYLAGOON - FIG3.MXD

EXPLANATION

- MONITORING WELL
- ESTIMATED LOCATION OF THE SANITARY PIPELINE
- PREVIOUSLY EXCAVATED PIPELINE
- SITE FEATURE



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FIGURE 3

OVERVIEW SANITARY LAGOON
AND PIPELINE LOCATIONS

WESTERN REFINING SOUTHWEST, LLC
D/B/A MARATHON GALLUP REFINERY
GALLUP, NEW MEXICO

Drawn By: KEJ | Checked By: BM | Scale: 1" = 100' | Date: 2/1/22 | File: 3_Overview_SanitaryLagoon_Fig3.mxd

TABLES

TABLE 1A. STANDPIPE RECOVERY RECORDS
WESTERN REFINING SOUTHWEST, LLC
D/B/A 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
10/6/2021	-	5,000	5,000
11/17/2021	-	4,600	4,600
12/13/2021	-	4,050	4,050
4th Quarter 2021 Totals	-	13,650	13,650
Project Totals	19,009	1,771,513	1,790,524

**TABLE 1B. RETENTION DITCH RECOVERY RECORDS
WESTERN REFINING SOUTHWEST, LLC
D/B/A 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
4th 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
WESTERN REFINING SOUTHWEST, LLC
D/B/A 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	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
MKTF-01R	10/27/21	4.00	18.00	ND	NA	3.72	6,917.90	NA	3 - 18	Chinle/Alluvium Interface
MKTF-01R	11/17/21	4.00	18.00	ND	NA	3.61	6,918.01	NA	3 - 18	Chinle/Alluvium Interface
MKTF-01R	12/03/21	4.00	18.10	ND	NA	3.35	6,918.27	NA	3 - 18	Chinle/Alluvium Interface

**TABLE 2A. FLUID LEVEL MEASUREMENTS FOR WELLS MKTF-1 THROUGH MKTF-50
WESTERN REFINING SOUTHWEST, LLC
D/B/A 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	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
MKTF-02R	10/27/21	4.00	21.50	ND	0.00	12.95	6,904.50	NA	6.5 - 21.5	Chinle/Alluvium Interface
MKTF-02R	11/17/21	4.00	21.50	ND	0.00	11.48	6,905.97	NA	6.5 - 21.5	Chinle/Alluvium Interface
MKTF-02R	12/15/21	4.00	21.49	ND	0.00	10.18	6,907.27	NA	6.5 - 21.5	Chinle/Alluvium Interface

**TABLE 2A. FLUID LEVEL MEASUREMENTS FOR WELLS MKTF-1 THROUGH MKTF-50
WESTERN REFINING SOUTHWEST, LLC
D/B/A 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	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
MKTF-03	10/27/21	4.00	18.62	7.40	1.86	9.26	6,922.43	6923.92	3 - 18	Chinle/Alluvium Interface
MKTF-03	11/17/21	4.00	18.62	7.55	1.65	9.20	6,922.49	6923.81	3 - 18	Chinle/Alluvium Interface
MKTF-03	12/15/22	4.00	18.62	7.67	1.26	8.93	6,922.76	6923.77	3 - 18	Chinle/Alluvium Interface

TABLE 2A. FLUID LEVEL MEASUREMENTS FOR WELLS MKTF-1 THROUGH MKTF-50
WESTERN REFINING SOUTHWEST, LLC
D/B/A 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	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
MKTF-04R	10/27/21	4.00	19.20	ND	NA	9.40	6,928.56	NA	4 - 19	Chinle/Alluvium Interface
MKTF-04R	11/17/21	4.00	19.20	ND	NA	9.49	6,928.47	NA	4 - 19	Chinle/Alluvium Interface
MKTF-04R	12/03/21	4.00	19.20	ND	NA	9.65	6,928.31	NA	4 - 19	Chinle/Alluvium Interface

TABLE 2A. FLUID LEVEL MEASUREMENTS FOR WELLS MKTF-1 THROUGH MKTF-50
WESTERN REFINING SOUTHWEST, LLC
D/B/A 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	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
MKTF-05	10/27/21	4.00	17.77	14.10	0.55	14.65	6,927.57	6928.01	4 - 14	Chinle/Alluvium Interface
MKTF-05	11/02/21	4.00	17.77	14.25	0.56	14.81	6,927.41	6927.86	4 - 14	Chinle/Alluvium Interface
MKTF-05	12/03/21	4.00	17.77	14.50	0.60	15.10	6,927.12	6927.60	4 - 14	Chinle/Alluvium Interface

**TABLE 2A. FLUID LEVEL MEASUREMENTS FOR WELLS MKTF-1 THROUGH MKTF-50
WESTERN REFINING SOUTHWEST, LLC
D/B/A 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	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
MKTF-06	10/27/21	4.00	23.85	17.35	1.32	18.67	6,928.14	6929.20	8 - 20	Chinle/Alluvium Interface
MKTF-06	11/17/21	4.00	23.85	17.44	1.21	18.65	6,928.16	6929.13	8 - 20	Chinle/Alluvium Interface
MKTF-06	12/03/21	4.00	23.85	18.01	0.95	18.96	6,927.85	6928.61	8 - 20	Chinle/Alluvium Interface

TABLE 2A. FLUID LEVEL MEASUREMENTS FOR WELLS MKTF-1 THROUGH MKTF-50
WESTERN REFINING SOUTHWEST, LLC
D/B/A 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	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
MKTF-07	10/27/21	4.00	17.86	13.45	0.19	13.64	6,933.54	6933.69	4 - 14	Chinle/Alluvium Interface
MKTF-07	11/02/21	4.00	17.86	13.46	0.19	13.65	6,933.53	6933.68	4 - 14	Chinle/Alluvium Interface
MKTF-07	12/03/21	4.00	17.86	13.89	0.14	14.03	6,933.15	6933.26	4 - 14	Chinle/Alluvium Interface

TABLE 2A. FLUID LEVEL MEASUREMENTS FOR WELLS MKTF-1 THROUGH MKTF-50
WESTERN REFINING SOUTHWEST, LLC
D/B/A 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	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
MKTF-08	10/27/21	4.00	22.00	14.75	0.35	15.10	6,931.99	6932.27	8 - 18	Chinle/Alluvium Interface
MKTF-08	11/02/21	4.00	22.00	14.73	0.48	15.21	6,931.88	6932.26	8 - 18	Chinle/Alluvium Interface
MKTF-08	12/03/21	4.00	22.00	15.03	0.34	15.37	6,931.72	6931.99	8 - 18	Chinle/Alluvium Interface

**TABLE 2A. FLUID LEVEL MEASUREMENTS FOR WELLS MKTF-1 THROUGH MKTF-50
WESTERN REFINING SOUTHWEST, LLC
D/B/A 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	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
MKTF-09	10/27/21	4.00	22.70	ND	0.00	15.00	6,931.50	NA	7 - 19	Chinle/Alluvium Interface
MKTF-09	11/17/21	4.00	22.70	ND	0.00	15.07	6,931.43	NA	7 - 19	Chinle/Alluvium Interface
MKTF-09	12/03/21	4.00	22.70	15.09	0.04	15.13	6,931.37	6931.40	7 - 19	Chinle/Alluvium Interface

TABLE 2A. FLUID LEVEL MEASUREMENTS FOR WELLS MKTF-1 THROUGH MKTF-50
WESTERN REFINING SOUTHWEST, LLC
D/B/A 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	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
MKTF-10	10/27/21	4.00	16.50	ND	0.00	8.00	6,929.16	NA	7 - 17	Chinle/Alluvium Interface
MKTF-10	11/17/21	4.00	16.50	ND	0.00	8.14	6,929.02	NA	7 - 17	Chinle/Alluvium Interface
MKTF-10	12/15/21	4.00	16.60	ND	0.00	8.34	6,928.82	NA	7 - 17	Chinle/Alluvium Interface

**TABLE 2A. FLUID LEVEL MEASUREMENTS FOR WELLS MKTF-1 THROUGH MKTF-50
WESTERN REFINING SOUTHWEST, LLC
D/B/A 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	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
MKTF-11	10/27/21	4.00	18.53	ND	0.00	8.15	6,923.19	NA	8 - 18	Chinle/Alluvium Interface
MKTF-11	11/17/21	4.00	18.53	ND	0.00	8.19	6,923.15	NA	8 - 18	Chinle/Alluvium Interface
MKTF-11	12/15/21	4.00	18.53	ND	0.00	8.42	6,922.92	NA	8 - 18	Chinle/Alluvium Interface

TABLE 2A. FLUID LEVEL MEASUREMENTS FOR WELLS MKTF-1 THROUGH MKTF-50
WESTERN REFINING SOUTHWEST, LLC
D/B/A 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	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
MKTF-12	10/27/21	4.00	25.85	19.00	0.03	19.03	6,923.08	6923.10	12 - 22	Chinle/Alluvium Interface
MKTF-12	11/17/21	4.00	25.85	18.98	0.10	19.08	6,923.03	6923.11	12 - 22	Chinle/Alluvium Interface
MKTF-12	12/03/21	4.00	25.85	19.09	0.11	19.20	6,922.91	6923.00	12 - 22	Chinle/Alluvium Interface

**TABLE 2A. FLUID LEVEL MEASUREMENTS FOR WELLS MKTF-1 THROUGH MKTF-50
WESTERN REFINING SOUTHWEST, LLC
D/B/A 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	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
MKTF-13	10/27/21	4.00	21.75	13.05	2.91	15.96	6,919.22	6921.55	8 - 18	Chinle/Alluvium Interface
MKTF-13	11/02/21	4.00	21.75	13.11	2.84	15.95	6,919.23	6921.50	8 - 18	Chinle/Alluvium Interface
MKTF-13	12/03/21	4.00	21.75	13.47	2.35	15.82	6,919.36	6921.24	8 - 18	Chinle/Alluvium Interface

**TABLE 2A. FLUID LEVEL MEASUREMENTS FOR WELLS MKTF-1 THROUGH MKTF-50
WESTERN REFINING SOUTHWEST, LLC
D/B/A 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	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
MKTF-14	10/27/21	4.00	17.55	6.93	0.02	6.95	6,921.07	6921.09	4 - 14	Chinle/Alluvium Interface
MKTF-14	11/02/21	4.00	17.55	ND	0.00	7.01	6,921.01	NA	4 - 14	Chinle/Alluvium Interface
MKTF-14	12/03/21	4.00	17.55	7.17	0.22	7.39	6,920.63	6920.81	4 - 14	Chinle/Alluvium Interface

TABLE 2A. FLUID LEVEL MEASUREMENTS FOR WELLS MKTF-1 THROUGH MKTF-50
WESTERN REFINING SOUTHWEST, LLC
D/B/A 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	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
MKTF-15	10/27/21	2.00	19.53	13.35	0.45	13.80	6,929.68	6,930.04	9 - 19	Chinle/Alluvium Interface
MKTF-15	11/17/21	2.00	19.53	13.34	0.50	13.84	6,929.64	6,930.04	9 - 19	Chinle/Alluvium Interface
MKTF-15	12/03/21	2.00	19.53	13.27	0.69	13.96	6,929.52	6,930.07	9 - 19	Chinle/Alluvium Interface

TABLE 2A. FLUID LEVEL MEASUREMENTS FOR WELLS MKTF-1 THROUGH MKTF-50
WESTERN REFINING SOUTHWEST, LLC
D/B/A 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	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
MKTF-16	10/27/21	2.00	10.95	ND	0.00	8.98	6,941.60	NA	4 - 14	Chinle/Alluvium Interface
MKTF-16	11/17/21	2.00	10.95	ND	0.00	8.58	6,942.00	NA	4 - 14	Chinle/Alluvium Interface
MKTF-16	12/27/21	2.00	10.92	ND	0.00	8.45	6,942.13	NA	4 - 14	Chinle/Alluvium Interface

TABLE 2A. FLUID LEVEL MEASUREMENTS FOR WELLS MKTF-1 THROUGH MKTF-50
WESTERN REFINING SOUTHWEST, LLC
D/B/A 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
MKTF-17R	10/27/21	2.00	24.70	ND	0.00	11.91	6,938.29	NA	10 - 25	Chinle/Alluvium Interface
MKTF-17R	11/02/21	2.00	24.70	ND	0.00	11.91	6,938.29	NA	10 - 25	Chinle/Alluvium Interface
MKTF-17R	12/03/21	2.00	20.50	ND	0.00	12.39	6,937.81	NA	10 - 25	Chinle/Alluvium Interface

TABLE 2A. FLUID LEVEL MEASUREMENTS FOR WELLS MKTF-1 THROUGH MKTF-50
WESTERN REFINING SOUTHWEST, LLC
D/B/A 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	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
MKTF-18R	10/27/21	2.00	25.55	ND	0.00	9.90	6,944.97	NA	10 - 25	Chinle/Alluvium Interface
MKTF-18R	11/17/21	2.00	25.55	ND	0.00	9.99	6,944.88	NA	10 - 25	Chinle/Alluvium Interface
MKTF-18R	12/03/21	2.00	25.50	ND	0.00	10.20	6,944.67	NA	10 - 25	Chinle/Alluvium Interface

TABLE 2A. FLUID LEVEL MEASUREMENTS FOR WELLS MKTF-1 THROUGH MKTF-50
WESTERN REFINING SOUTHWEST, LLC
D/B/A 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	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
MKTF-19	10/27/21	2.00	19.44	13.08	1.27	14.35	6,930.32	6,931.34	10 - 20	Chinle/Alluvium Interface
MKTF-19	11/17/21	2.00	19.44	13.09	1.13	14.22	6,930.45	6,931.35	10 - 20	Chinle/Alluvium Interface
MKTF-19	12/03/21	2.00	19.44	12.98	1.05	14.03	6,930.64	6,931.48	10 - 20	Chinle/Alluvium Interface

**TABLE 2A. FLUID LEVEL MEASUREMENTS FOR WELLS MKTF-1 THROUGH MKTF-50
WESTERN REFINING SOUTHWEST, LLC
D/B/A 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	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
MKTF-20	10/27/21	4.00	9.61	ND	0.00	DRY	NA	NA	2 - 10	Chinle/Alluvium Interface
MKTF-20	11/02/21	4.00	9.61	ND	0.00	8.91	6,942.87	NA	2 - 10	Chinle/Alluvium Interface
MKTF-20	12/03/21	4.00	9.60	ND	0.00	9.42	6,942.36	NA	2 - 10	Chinle/Alluvium Interface

TABLE 2A. FLUID LEVEL MEASUREMENTS FOR WELLS MKTF-1 THROUGH MKTF-50
WESTERN REFINING SOUTHWEST, LLC
D/B/A 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	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
MKTF-21	10/27/21	4.00	8.87	ND	0.00	8.25	6,944.32	NA	2 - 10	Chinle/Alluvium Interface
MKTF-21	11/17/21	4.00	8.87	ND	0.00	8.42	6,944.15	NA	2 - 10	Chinle/Alluvium Interface
MKTF-21	12/03/21	4.00	8.87	ND	0.00	8.85	6,943.72	NA	2 - 10	Chinle/Alluvium Interface

TABLE 2A. FLUID LEVEL MEASUREMENTS FOR WELLS MKTF-1 THROUGH MKTF-50
WESTERN REFINING SOUTHWEST, LLC
D/B/A 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	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
MKTF-22	10/27/21	2.00	35.66	25.55	1.99	27.54	6,914.77	6916.36	22 - 32	Chinle/Alluvium Interface
MKTF-22	11/02/21	2.00	35.66	25.53	2.05	27.58	6,914.73	6916.37	22 - 32	Chinle/Alluvium Interface
MKTF-22	12/03/21	2.00	35.66	25.45	2.07	27.52	6,914.79	6916.45	22 - 32	Chinle/Alluvium Interface

TABLE 2A. FLUID LEVEL MEASUREMENTS FOR WELLS MKTF-1 THROUGH MKTF-50
WESTERN REFINING SOUTHWEST, LLC
D/B/A 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	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
MKTF-23	10/27/21	2.00	20.41	14.22	0.02	14.24	6,915.74	6,915.76	7 - 17	Chinle/Alluvium Interface
MKTF-23	11/17/21	2.00	20.41	14.21	0.04	14.25	6,915.73	6,915.76	7 - 17	Chinle/Alluvium Interface
MKTF-23	12/03/21	2.00	20.41	14.29	0.05	14.34	6,915.64	6,915.68	7 - 17	Chinle/Alluvium Interface

**TABLE 2A. FLUID LEVEL MEASUREMENTS FOR WELLS MKTF-1 THROUGH MKTF-50
WESTERN REFINING SOUTHWEST, LLC
D/B/A 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	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
MKTF-24	10/27/21	2.00	31.40	ND	0.00	23.70	6,905.02	NA	18 - 28	Chinle/Alluvium Interface
MKTF-24	11/17/21	2.00	31.40	ND	0.00	23.65	6,905.07	NA	18 - 28	Chinle/Alluvium Interface
MKTF-24	12/15/21	2.00	31.42	ND	0.00	23.55	6,905.17	NA	18 - 28	Chinle/Alluvium Interface

**TABLE 2A. FLUID LEVEL MEASUREMENTS FOR WELLS MKTF-1 THROUGH MKTF-50
WESTERN REFINING SOUTHWEST, LLC
D/B/A 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	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
MKTF-25	10/27/21	2.00	20.09	ND	0.00	13.91	6,902.28	NA	6 - 16	Chinle/Alluvium Interface
MKTF-25	11/17/21	2.00	20.09	ND	0.00	13.88	6,902.31	NA	6 - 16	Chinle/Alluvium Interface
MKTF-25	12/16/21	2.00	20.07	ND	0.00	13.72	6,902.47	NA	6 - 16	Chinle/Alluvium Interface

**TABLE 2A. FLUID LEVEL MEASUREMENTS FOR WELLS MKTF-1 THROUGH MKTF-50
WESTERN REFINING SOUTHWEST, LLC
D/B/A 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	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
MKTF-26	10/27/21	2.00	16.90	8.90	0.02	8.92	6,906.39	6906.41	4 - 14	Chinle/Alluvium Interface
MKTF-26	11/02/21	2.00	16.90	ND	0.00	8.88	6,906.43	NA	4 - 14	Chinle/Alluvium Interface
MKTF-26	12/09/21	2.00	16.90	8.77	0.19	8.96	6,906.35	6906.50	4 - 14	Chinle/Alluvium Interface

**TABLE 2A. FLUID LEVEL MEASUREMENTS FOR WELLS MKTF-1 THROUGH MKTF-50
WESTERN REFINING SOUTHWEST, LLC
D/B/A 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	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
MKTF-27	10/27/21	2.00	14.76	ND	0.00	6.52	6,911.38	NA	1 - 12	Chinle/Alluvium Interface
MKTF-27	11/17/21	2.00	14.76	ND	0.00	6.55	6,911.35	NA	1 - 12	Chinle/Alluvium Interface
MKTF-27	12/13/21	2.00	14.76	ND	0.00	6.61	6,911.29	NA	1 - 12	Chinle/Alluvium Interface

**TABLE 2A. FLUID LEVEL MEASUREMENTS FOR WELLS MKTF-1 THROUGH MKTF-50
WESTERN REFINING SOUTHWEST, LLC
D/B/A 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	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
MKTF-28	10/27/21	2.00	16.16	ND	0.00	10.90	6,910.62	NA	3 - 13	Chinle/Alluvium Interface
MKTF-28	11/17/21	2.00	16.16	ND	0.00	8.49	6,913.03	NA	3 - 13	Chinle/Alluvium Interface
MKTF-28	12/13/21	2.00	16.16	ND	0.00	7.57	6,913.95	NA	3 - 13	Chinle/Alluvium Interface

**TABLE 2A. FLUID LEVEL MEASUREMENTS FOR WELLS MKTF-1 THROUGH MKTF-50
WESTERN REFINING SOUTHWEST, LLC
D/B/A 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	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
MKTF-29	10/27/21	2.00	22.83	ND	0.00	7.32	6,894.30	NA	10 - 20	Chinle/Alluvium Interface
MKTF-29	11/17/21	2.00	22.83	ND	0.00	7.08	6,894.54	NA	10 - 20	Chinle/Alluvium Interface
MKTF-29	12/13/21	2.00	22.83	ND	0.00	6.45	6,895.17	NA	10 - 20	Chinle/Alluvium Interface

TABLE 2A. FLUID LEVEL MEASUREMENTS FOR WELLS MKTF-1 THROUGH MKTF-50
WESTERN REFINING SOUTHWEST, LLC
D/B/A 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	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
MKTF-30	10/27/21	2.00	22.95	ND	0.00	17.30	6,883.50	NA	10 - 20	Chinle/Alluvium Interface
MKTF-30	11/17/21	2.00	22.95	ND	0.00	17.32	6,883.48	NA	10 - 20	Chinle/Alluvium Interface
MKTF-30	12/13/21	2.00	22.95	ND	0.00	17.21	6,883.59	NA	10 - 20	Chinle/Alluvium Interface

TABLE 2A. FLUID LEVEL MEASUREMENTS FOR WELLS MKTF-1 THROUGH MKTF-50
WESTERN REFINING SOUTHWEST, LLC
D/B/A 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
MKTF-31	10/27/21	2.00	19.35	ND	0.00	9.44	6,897.43	NA	6 - 21	Chinle/Alluvium Interface
MKTF-31	11/17/21	2.00	19.35	ND	0.00	9.32	6,897.55	NA	6 - 21	Chinle/Alluvium Interface
MKTF-31	12/15/21	2.00	19.33	ND	0.00	9.34	6,897.53	NA	6 - 21	Chinle/Alluvium Interface

TABLE 2A. FLUID LEVEL MEASUREMENTS FOR WELLS MKTF-1 THROUGH MKTF-50
WESTERN REFINING SOUTHWEST, LLC
D/B/A 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	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
MKTF-32	10/27/21	2.00	27.79	ND	0.00	14.47	6,896.64	NA	9- 26	Chinle/Alluvium Interface
MKTF-32	11/17/21	2.00	27.79	ND	0.00	14.55	6,896.56	NA	9- 26	Chinle/Alluvium Interface
MKTF-32	12/03/21	2.00	27.50	ND	0.00	14.48	6,896.63	NA	9- 26	Chinle/Alluvium Interface

**TABLE 2A. FLUID LEVEL MEASUREMENTS FOR WELLS MKTF-1 THROUGH MKTF-50
WESTERN REFINING SOUTHWEST, LLC
D/B/A 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	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
MKTF-33	10/27/21	2.00	33.28	23.38	0.03	23.41	6,916.34	6916.36	20 - 30	Chinle/Alluvium Interface
MKTF-33	11/02/21	2.00	33.28	23.35	0.02	23.37	6,916.38	6916.40	20 - 30	Chinle/Alluvium Interface
MKTF-33	12/03/21	2.00	33.28	23.29	0.04	23.33	6,916.42	6916.45	20 - 30	Chinle/Alluvium Interface

TABLE 2A. FLUID LEVEL MEASUREMENTS FOR WELLS MKTF-1 THROUGH MKTF-50
WESTERN REFINING SOUTHWEST, LLC
D/B/A 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	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
MKTF-34	10/27/21	2.00	27.79	ND	0.00	19.38	6,925.97	NA	9 - 24	Chinle/Alluvium Interface
MKTF-34	11/17/21	2.00	27.79	ND	0.00	19.44	6,925.91	NA	9 - 24	Chinle/Alluvium Interface
MKTF-34	12/03/21	2.00	27.79	ND	0.00	19.60	6,925.75	NA	9 - 24	Chinle/Alluvium Interface

TABLE 2A. FLUID LEVEL MEASUREMENTS FOR WELLS MKTF-1 THROUGH MKTF-50
WESTERN REFINING SOUTHWEST, LLC
D/B/A 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	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
MKTF-35	10/27/21	2.00	16.55	ND	0.00	9.87	6,941.78	NA	6 - 16	Chinle/Alluvium Interface
MKTF-35	11/17/21	2.00	16.55	ND	0.00	9.99	6,941.66	NA	6 - 16	Chinle/Alluvium Interface
MKTF-35	12/02/21	2.00	16.48	ND	0.00	10.15	6,941.50	NA	6 - 16	Chinle/Alluvium Interface

**TABLE 2A. FLUID LEVEL MEASUREMENTS FOR WELLS MKTF-1 THROUGH MKTF-50
WESTERN REFINING SOUTHWEST, LLC
D/B/A 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	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
MKTF-36	10/27/21	2.00	15.58	8.70	0.15	8.85	6,944.66	6944.78	5 - 15	Chinle/Alluvium Interface
MKTF-36	11/17/21	2.00	15.58	8.76	0.10	8.86	6,944.65	6944.73	5 - 15	Chinle/Alluvium Interface
MKTF-36	12/09/21	2.00	15.58	8.41	0.19	8.60	6,944.91	6945.06	5 - 15	Chinle/Alluvium Interface

TABLE 2A. FLUID LEVEL MEASUREMENTS FOR WELLS MKTF-1 THROUGH MKTF-50
WESTERN REFINING SOUTHWEST, LLC
D/B/A 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	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
MKTF-37	10/27/21	2.00	24.67	10.58	0.02	10.60	6,948.27	6948.29	4 - 24	Chinle/Alluvium Interface
MKTF-37	11/17/21	2.00	24.67	10.42	0.04	10.46	6,948.41	6948.44	4 - 24	Chinle/Alluvium Interface
MKTF-37	12/09/21	2.00	24.67	10.30	0.07	10.37	6,948.50	6948.56	4 - 24	Chinle/Alluvium Interface

**TABLE 2A. FLUID LEVEL MEASUREMENTS FOR WELLS MKTF-1 THROUGH MKTF-50
WESTERN REFINING SOUTHWEST, LLC
D/B/A 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	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
MKTF-38	10/27/21	2.00	20.34	ND	0.00	10.32	6,944.57	NA	5 - 20	Chinle/Alluvium Interface
MKTF-38	11/17/21	2.00	20.34	ND	0.00	10.55	6,944.34	NA	5 - 20	Chinle/Alluvium Interface
MKTF-38	12/03/21	2.00	20.34	ND	0.00	10.70	6,944.19	NA	5 - 20	Chinle/Alluvium Interface

TABLE 2A. FLUID LEVEL MEASUREMENTS FOR WELLS MKTF-1 THROUGH MKTF-50
WESTERN REFINING SOUTHWEST, LLC
D/B/A 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	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
MKTF-39	10/27/21	2.00	15.21	9.75	0.30	10.05	6,943.70	6,943.94	5 - 15	Chinle/Alluvium Interface
MKTF-39	11/02/21	2.00	15.21	9.76	0.35	10.11	6,943.64	6,943.92	5 - 15	Chinle/Alluvium Interface
MKTF-39	12/03/21	2.00	15.21	9.66	0.39	10.05	6,943.70	6,944.01	5 - 15	Chinle/Alluvium Interface

**TABLE 2A. FLUID LEVEL MEASUREMENTS FOR WELLS MKTF-1 THROUGH MKTF-50
WESTERN REFINING SOUTHWEST, LLC
D/B/A 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	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
MKTF-40	10/27/21	2.00	23.65	ND	0.00	14.22	6,880.11	NA	5 - 20	Chinle/Alluvium Interface
MKTF-40	11/17/22	2.00	23.65	ND	0.00	14.23	6,880.10	NA	5 - 20	Chinle/Alluvium Interface
MKTF-40	12/16/21	2.00	23.65	ND	0.00	14.35	6,879.98	NA	5 - 20	Chinle/Alluvium Interface

**TABLE 2A. FLUID LEVEL MEASUREMENTS FOR WELLS MKTF-1 THROUGH MKTF-50
WESTERN REFINING SOUTHWEST, LLC
D/B/A 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	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
MKTF-41	10/27/21	2.00	39.85	ND	0.00	21.63	6,872.01	NA	22 - 37	Chinle/Alluvium Interface
MKTF-41	11/17/21	2.00	39.85	ND	0.00	21.48	6,872.16	NA	22 - 37	Chinle/Alluvium Interface
MKTF-41	12/03/21	2.00	39.80	ND	0.00	21.35	6,872.29	NA	22 - 37	Chinle/Alluvium Interface

TABLE 2A. FLUID LEVEL MEASUREMENTS FOR WELLS MKTF-1 THROUGH MKTF-50
WESTERN REFINING SOUTHWEST, LLC
D/B/A 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	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
MKTF-42	10/27/21	2.00	33.24	ND	0.00	16.81	6,876.14	NA	10 - 30	Chinle/Alluvium Interface
MKTF-42	11/17/21	2.00	33.24	ND	0.00	16.89	6,876.06	NA	10 - 30	Chinle/Alluvium Interface
MKTF-42	12/03/22	2.00	33.20	ND	0.00	16.80	6,876.15	NA	10 - 30	Chinle/Alluvium Interface

**TABLE 2A. FLUID LEVEL MEASUREMENTS FOR WELLS MKTF-1 THROUGH MKTF-50
WESTERN REFINING SOUTHWEST, LLC
D/B/A 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	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
MKTF-43	10/27/21	2.00	16.95	ND	0.00	8.30	6,868.60	NA	2 - 12	Chinle/Alluvium Interface
MKTF-43	11/24/21	2.00	16.95	ND	0.00	8.55	6,868.35	NA	2 - 12	Chinle/Alluvium Interface
MKTF-43	12/03/21	2.00	16.95	ND	0.00	8.95	6,867.95	NA	2 - 12	Chinle/Alluvium Interface

**TABLE 2A. FLUID LEVEL MEASUREMENTS FOR WELLS MKTF-1 THROUGH MKTF-50
WESTERN REFINING SOUTHWEST, LLC
D/B/A 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	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
MKTF-44	12/22/21	2.00	51.25	ND	0.00	38.60	6,831.35	NA	38 - 48	Chinle/Alluvium Interface

TABLE 2A. FLUID LEVEL MEASUREMENTS FOR WELLS MKTF-1 THROUGH MKTF-50
WESTERN REFINING SOUTHWEST, LLC
D/B/A 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	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	NA	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
MKTF-45	10/27/21	4.00	30.50	ND	0.00	14.46	6,935.13	NA	Unknown	Chinle/Alluvium Interface
MKTF-45	11/02/21	4.00	30.50	ND	0.00	14.42	6,935.17	NA	Unknown	Chinle/Alluvium Interface
MKTF-45	12/09/21	4.00	30.50	14.31	0.04	14.35	6,935.24	6935.27	Unknown	Chinle/Alluvium Interface

TABLE 2A. FLUID LEVEL MEASUREMENTS FOR WELLS MKTF-1 THROUGH MKTF-50
WESTERN REFINING SOUTHWEST, LLC
D/B/A 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	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
MKTF-46	10/27/21	2.00	21.30	ND	0.00	12.06	6,945.54	NA	3 - 18	Chinle/Alluvium Interface
MKTF-46	11/17/21	2.00	21.30	ND	0.00	12.55	6,945.05	NA	3 - 18	Chinle/Alluvium Interface
MKTF-46	12/03/21	2.00	21.30	ND	0.00	12.78	6,944.82	NA	3 - 18	Chinle/Alluvium Interface

**TABLE 2A. FLUID LEVEL MEASUREMENTS FOR WELLS MKTF-1 THROUGH MKTF-50
WESTERN REFINING SOUTHWEST, LLC
D/B/A 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	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
MKTF-47	10/27/21	2.00	14.30	10.55	0.05	10.60	6,948.49	6948.53	4 - 14	Chinle/Alluvium Interface
MKTF-47	11/17/21	2.00	14.30	10.68	0.04	10.72	6,948.37	6948.40	4 - 14	Chinle/Alluvium Interface
MKTF-47	12/03/21	2.00	14.30	10.97	0.04	11.01	6,948.08	6948.11	4 - 14	Chinle/Alluvium Interface

TABLE 2A. FLUID LEVEL MEASUREMENTS FOR WELLS MKTF-1 THROUGH MKTF-50
WESTERN REFINING SOUTHWEST, LLC
D/B/A 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
MKTF-48	10/27/21	2.00	20.95	13.53	0.37	13.90	6,947.83	6948.13	2 - 17	Chinle/Alluvium Interface
MKTF-48	11/17/21	2.00	20.95	13.61	0.57	14.18	6,947.55	6948.01	2 - 17	Chinle/Alluvium Interface
MKTF-48	12/03/21	2.00	20.95	14.34	0.54	14.88	6,946.85	6947.28	2 - 17	Chinle/Alluvium Interface

TABLE 2A. FLUID LEVEL MEASUREMENTS FOR WELLS MKTF-1 THROUGH MKTF-50
WESTERN REFINING SOUTHWEST, LLC
D/B/A 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	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
MKTF-49	10/27/21	2.00	25.02	20.80	0.42	21.22	6,925.54	6925.88	5 - 25	Chinle/Alluvium Interface
MKTF-49	11/02/21	2.00	25.02	20.76	0.45	21.21	6,925.55	6925.91	5 - 25	Chinle/Alluvium Interface
MKTF-49	12/03/21	2.00	25.02	20.50	0.29	20.79	6,925.97	6926.20	5 - 25	Chinle/Alluvium Interface

TABLE 2A. FLUID LEVEL MEASUREMENTS FOR WELLS MKTF-1 THROUGH MKTF-50
WESTERN REFINING SOUTHWEST, LLC
D/B/A 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	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
MKTF-50	10/27/21	2.00	21.70	15.48	0.31	15.79	6,927.03	6927.28	3 - 18	Chinle/Alluvium Interface
MKTF-50	11/02/22	2.00	21.70	15.55	0.27	15.82	6,927.00	6927.22	3 - 18	Chinle/Alluvium Interface
MKTF-50	12/09/21	2.00	21.70	15.44	0.26	15.70	6,927.12	6927.33	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
WESTERN REFINING SOUTHWEST, LLC
D/B/A MARATHON GALLUP REFINERY, GALLUP, NEW MEXICO**

Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Ground Level Elevation (ft)	Well Casing Bottom Elevation (ft)	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	09/15/20	2.00	6,910.22	6,886.41	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	6,910.22	6,886.41	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	6,910.22	6,886.41	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	6,910.22	6,886.41	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	6,910.22	6,886.41	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	6,910.22	6,886.41	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	6,910.22	6,886.41	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	6,910.22	6,886.41	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	6,910.22	6,886.41	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	6,910.22	6,886.41	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	6,910.22	6,886.41	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	6,910.22	6,886.41	26.40	21.24	1.23	22.47	6,890.14	6891.12	17.5 - 23.5	Chinle/Alluvial Interface
GWM-1	10/27/21	2.00	6,910.22	6,886.41	26.40	21.21	1.23	22.44	6,890.17	6891.15	17.5 - 23.5	Chinle/Alluvial Interface
GWM-1	11/17/21	2.00	6,910.22	6,886.41	26.40	21.22	1.25	22.47	6,890.14	6891.14	17.5 - 23.5	Chinle/Alluvial Interface
GWM-1	12/03/21	2.00	6,910.22	6,886.41	26.40	20.89	1.27	22.16	6,890.45	6891.47	17.5 - 23.5	Chinle/Alluvial Interface

**TABLE 2B. FLUID LEVEL MEASUREMENTS FOR NON MKTF WELLS
WESTERN REFINING SOUTHWEST, LLC
D/B/A MARATHON GALLUP REFINERY, GALLUP, NEW MEXICO**

Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Ground Level Elevation (ft)	Well Casing Bottom Elevation (ft)	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	09/15/20	2.00	6,910.32	6,894.28	18.08	ND	NA	DRY	NA	NA	3.2 - 16.2	Chinle/Alluvial Interface
GWM-2	11/10/20	2.00	6,910.32	6,894.28	18.08	ND	NA	DRY	NA	NA	3.2 - 16.2	Chinle/Alluvial Interface
GWM-2	12/07/20	2.00	6,910.32	6,894.28	18.08	ND	NA	DRY	NA	NA	3.2 - 16.2	Chinle/Alluvial Interface
GWM-2	01/28/21	2.00	6,910.32	6,894.28	18.08	ND	NA	DRY	NA	NA	3.2 - 16.2	Chinle/Alluvial Interface
GWM-2	02/28/21	2.00	6,910.32	6,894.28	18.08	ND	NA	DRY	NA	NA	3.2 - 16.2	Chinle/Alluvial Interface
GWM-2	03/31/21	2.00	6,910.32	6,894.28	18.08	ND	NA	DRY	NA	NA	3.2 - 16.2	Chinle/Alluvial Interface
GWM-2	04/26/21	2.00	6,910.32	6,894.28	18.08	ND	NA	DRY	NA	NA	3.2 - 16.2	Chinle/Alluvial Interface
GWM-2	05/20/21	2.00	6,910.32	6,894.28	18.08	ND	NA	DRY	NA	NA	3.2 - 16.2	Chinle/Alluvial Interface
GWM-2	06/03/21	2.00	6,910.32	6,894.28	18.08	ND	NA	DRY	NA	NA	3.2 - 16.2	Chinle/Alluvial Interface
GWM-2	07/06/21	2.00	6,910.32	6,894.28	18.08	ND	NA	DRY	NA	NA	3.2 - 16.2	Chinle/Alluvial Interface
GWM-2	08/25/21	2.00	6,910.32	6,894.28	18.08	ND	NA	DRY	NA	NA	3.2 - 16.2	Chinle/Alluvial Interface
GWM-2	09/09/21	2.00	6,910.32	6,894.28	18.08	ND	NA	DRY	NA	NA	3.2 - 16.2	Chinle/Alluvial Interface
GWM-2	10/27/21	2.00	6,910.32	6,894.28	18.08	ND	NA	DRY	NA	NA	3.2 - 16.2	Chinle/Alluvial Interface
GWM-2	11/17/21	2.00	6,910.32	6,894.28	18.08	ND	NA	DRY	NA	NA	3.2 - 16.2	Chinle/Alluvial Interface
GWM-2	12/03/21	2.00	6,910.32	6,894.28	18.08	ND	NA	DRY	NA	NA	3.2 - 16.2	Chinle/Alluvial Interface

**TABLE 2B. FLUID LEVEL MEASUREMENTS FOR NON MKTF WELLS
WESTERN REFINING SOUTHWEST, LLC
D/B/A MARATHON GALLUP REFINERY, GALLUP, NEW MEXICO**

Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Ground Level Elevation (ft)	Well Casing Bottom Elevation (ft)	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	09/15/20	2.00	6,907.35	6,892.45	19.15	ND	NA	DRY	DRY	NA	3 - 15	Chinle/Alluvial Interface
GWM-3	10/11/20	2.00	6,907.35	6,892.45	19.15	ND	NA	DRY	DRY	NA	3 - 15	Chinle/Alluvial Interface
GWM-3	12/07/20	2.00	6,907.35	6,892.45	19.15	ND	NA	DRY	DRY	NA	3 - 15	Chinle/Alluvial Interface
GWM-3	01/28/21	2.00	6,907.35	6,892.45	19.15	ND	NA	DRY	DRY	NA	3 - 15	Chinle/Alluvial Interface
GWM-3	02/28/21	2.00	6,907.35	6,892.45	19.15	ND	NA	DRY	DRY	NA	3 - 15	Chinle/Alluvial Interface
GWM-3	03/31/21	2.00	6,907.35	6,892.45	19.15	ND	NA	DRY	DRY	NA	3 - 15	Chinle/Alluvial Interface
GWM-3	04/26/21	2.00	6,907.35	6,892.45	19.15	ND	NA	DRY	DRY	NA	3 - 15	Chinle/Alluvial Interface
GWM-3	05/20/21	2.00	6,907.35	6,892.45	19.15	ND	NA	DRY	DRY	NA	3 - 15	Chinle/Alluvial Interface
GWM-3	06/03/21	2.00	6,907.35	6,892.45	19.15	ND	NA	DRY	DRY	NA	3 - 15	Chinle/Alluvial Interface
GWM-3	07/06/21	2.00	6,907.35	6,892.45	19.15	ND	NA	DRY	DRY	NA	3 - 15	Chinle/Alluvial Interface
GWM-3	08/25/21	2.00	6,907.35	6,892.45	19.15	ND	NA	DRY	DRY	NA	3 - 15	Chinle/Alluvial Interface
GWM-3	09/09/21	2.00	6,907.35	6,892.45	19.15	ND	NA	DRY	DRY	NA	3 - 15	Chinle/Alluvial Interface
GWM-3	10/27/21	2.00	6,907.35	6,892.45	19.15	ND	NA	DRY	DRY	NA	3 - 15	Chinle/Alluvial Interface
GWM-3	11/17/21	2.00	6,907.35	6,892.45	19.15	ND	NA	DRY	DRY	NA	3 - 15	Chinle/Alluvial Interface
GWM-3	12/03/21	2.00	6,907.35	6,892.45	19.15	ND	NA	DRY	DRY	NA	3 - 15	Chinle/Alluvial Interface

**TABLE 2B. FLUID LEVEL MEASUREMENTS FOR NON MKTF WELLS
WESTERN REFINING SOUTHWEST, LLC
D/B/A MARATHON GALLUP REFINERY, GALLUP, NEW MEXICO**

Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Ground Level Elevation (ft)	Well Casing Bottom Elevation (ft)	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	09/15/20	2.00	6,913.29	6,889.32	23.20	ND	NA	8.08	6,904.44	NA	15 - 25	Chinle/Alluvial Interface
KA-3	11/10/20	2.00	6,913.29	6,889.32	23.20	ND	NA	9.15	6,903.37	NA	15 - 25	Chinle/Alluvial Interface
KA-3	12/07/20	2.00	6,913.29	6,889.32	23.20	ND	NA	9.56	6,902.96	NA	15 - 25	Chinle/Alluvial Interface
KA-3	01/28/21	2.00	6,913.29	6,889.32	23.20	ND	NA	10.50	6,902.02	NA	15 - 25	Chinle/Alluvial Interface
KA-3	02/28/21	2.00	6,913.29	6,889.32	23.20	ND	NA	10.55	6,901.97	NA	15 - 25	Chinle/Alluvial Interface
KA-3	03/31/21	2.00	6,913.29	6,889.32	23.20	ND	NA	10.68	6,901.84	NA	15 - 25	Chinle/Alluvial Interface
KA-3	04/26/21	2.00	6,913.29	6,889.32	23.20	ND	NA	9.82	6,902.70	NA	15 - 25	Chinle/Alluvial Interface
KA-3	05/20/21	2.00	6,913.29	6,889.32	23.20	ND	NA	11.03	6,901.49	NA	15 - 25	Chinle/Alluvial Interface
KA-3	06/03/21	2.00	6,913.29	6,889.32	23.20	ND	NA	10.40	6,902.12	NA	15 - 25	Chinle/Alluvial Interface
KA-3	07/06/21	2.00	6,913.29	6,889.32	23.20	ND	NA	9.44	6,903.08	NA	15 - 25	Chinle/Alluvial Interface
KA-3	08/25/21	2.00	6,913.29	6,889.32	23.20	ND	NA	9.41	6,903.11	NA	15 - 25	Chinle/Alluvial Interface
KA-3	09/08/21	2.00	6,913.29	6,889.32	23.20	ND	NA	9.31	6,903.21	NA	15 - 25	Chinle/Alluvial Interface
KA-3	10/27/21	2.00	6,913.29	6,889.32	23.20	ND	NA	7.98	6,904.54	NA	15 - 25	Chinle/Alluvial Interface
KA-3	11/17/21	2.00	6,913.29	6,889.32	23.20	ND	NA	8.96	6,903.56	NA	15 - 25	Chinle/Alluvial Interface
KA-3	12/13/21	2.00	6,913.29	6,889.32	23.20	ND	NA	9.56	6,902.96	NA	15 - 25	Chinle/Alluvial Interface

**TABLE 2B. FLUID LEVEL MEASUREMENTS FOR NON MKTF WELLS
WESTERN REFINING SOUTHWEST, LLC
D/B/A MARATHON GALLUP REFINERY, GALLUP, NEW MEXICO**

Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Ground Level Elevation (ft)	Well Casing Bottom Elevation (ft)	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	09/15/20	2.00	6,913.62	6,900.33	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	6,913.62	6,900.33	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	6,913.62	6,900.33	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	6,913.62	6,900.33	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	6,913.62	6,900.33	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	6,913.62	6,900.33	13.94	ND	NA	8.01	6,905.85	NA	3.7 - 13.7	Chinle/Alluvial Interface
NAPIS-1	04/26/21	2.00	6,913.62	6,900.33	13.94	ND	NA	7.82	6,906.04	NA	3.7 - 13.7	Chinle/Alluvial Interface
NAPIS-1	05/20/21	2.00	6,913.62	6,900.33	13.94	ND	NA	8.52	6,905.34	NA	3.7 - 13.7	Chinle/Alluvial Interface
NAPIS-1	06/03/21	2.00	6,913.62	6,900.33	13.94	ND	NA	7.85	6,906.01	NA	3.7 - 13.7	Chinle/Alluvial Interface
NAPIS-1	07/06/21	2.00	6,913.62	6,900.33	13.94	ND	NA	7.06	6,906.80	NA	3.7 - 13.7	Chinle/Alluvial Interface
NAPIS-1	08/25/21	2.00	6,913.62	6,900.33	13.94	ND	NA	6.97	6,906.89	NA	3.7 - 13.7	Chinle/Alluvial Interface
NAPIS-1	09/08/21	2.00	6,913.62	6,900.33	13.94	7.03	0.01	7.04	6,906.82	6906.83	3.7 - 13.7	Chinle/Alluvial Interface
NAPIS-1	10/27/21	2.00	6,913.62	6,900.33	13.94	6.85	0.01	6.86	6,907.00	6907.01	3.7 - 13.7	Chinle/Alluvial Interface
NAPIS-1	11/17/21	2.00	6,913.62	6,900.33	13.94	7.11	0.03	7.14	6,906.72	6906.74	3.7 - 13.7	Chinle/Alluvial Interface
NAPIS-1	12/03/21	2.00	6,913.62	6,900.33	13.94	7.26	0.02	7.28	6,906.58	6906.60	3.7 - 13.7	Chinle/Alluvial Interface

**TABLE 2B. FLUID LEVEL MEASUREMENTS FOR NON MKTF WELLS
WESTERN REFINING SOUTHWEST, LLC
D/B/A MARATHON GALLUP REFINERY, GALLUP, NEW MEXICO**

Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Ground Level Elevation (ft)	Well Casing Bottom Elevation (ft)	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	09/15/20	2.00	6,913.40	6,899.04	14.60	ND	NA	8.12	6,904.53	NA	4.2 - 14.2	Chinle/Alluvial Interface
NAPIS-2	11/10/20	2.00	6,913.40	6,899.04	14.60	ND	NA	8.51	6,904.14	NA	4.2 - 14.2	Chinle/Alluvial Interface
NAPIS-2	12/07/20	2.00	6,913.40	6,899.04	14.61	ND	NA	8.72	6,903.93	NA	4.2 - 14.2	Chinle/Alluvial Interface
NAPIS-2	01/28/21	2.00	6,913.40	6,899.04	14.62	ND	NA	9.16	6,903.49	NA	4.2 - 14.2	Chinle/Alluvial Interface
NAPIS-2	02/27/21	2.00	6,913.40	6,899.04	14.65	ND	NA	9.15	6,903.50	NA	4.2 - 14.2	Chinle/Alluvial Interface
NAPIS-2	03/31/21	2.00	6,913.40	6,899.04	14.65	ND	NA	9.32	6,903.33	NA	4.2 - 14.2	Chinle/Alluvial Interface
NAPIS-2	04/26/21	2.00	6,913.40	6,899.04	14.71	ND	NA	9.14	6,903.51	NA	4.2 - 14.2	Chinle/Alluvial Interface
NAPIS-2	05/20/21	2.00	6,913.40	6,899.04	14.74	ND	NA	8.96	6,903.69	NA	4.2 - 14.2	Chinle/Alluvial Interface
NAPIS-2	06/03/21	2.00	6,913.40	6,899.04	14.74	ND	NA	9.10	6,903.55	NA	4.2 - 14.2	Chinle/Alluvial Interface
NAPIS-2	07/06/21	2.00	6,913.40	6,899.04	14.74	ND	NA	7.80	6,904.85	NA	4.2 - 14.2	Chinle/Alluvial Interface
NAPIS-2	08/25/21	2.00	6,913.40	6,899.04	14.74	ND	NA	8.25	6,904.40	NA	4.2 - 14.2	Chinle/Alluvial Interface
NAPIS-2	09/08/21	2.00	6,913.40	6,899.04	14.74	ND	NA	8.28	6,904.37	NA	4.2 - 14.2	Chinle/Alluvial Interface
NAPIS-2	10/27/21	2.00	6,913.40	6,899.04	14.74	ND	NA	7.95	6,904.70	NA	4.2 - 14.2	Chinle/Alluvial Interface
NAPIS-2	11/17/21	2.00	6,913.40	6,899.04	14.74	ND	NA	8.33	6,904.32	NA	4.2 - 14.2	Chinle/Alluvial Interface
NAPIS-2	12/13/21	2.00	6,913.40	6,899.04	14.39	ND	NA	8.44	6,904.21	NA	4.2 - 14.2	Chinle/Alluvial Interface

**TABLE 2B. FLUID LEVEL MEASUREMENTS FOR NON MKTF WELLS
WESTERN REFINING SOUTHWEST, LLC
D/B/A MARATHON GALLUP REFINERY, GALLUP, NEW MEXICO**

Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Ground Level Elevation (ft)	Well Casing Bottom Elevation (ft)	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	09/15/20	2.00	6,913.38	6,882.34	31.50	ND	NA	9.25	6,903.51	NA	25.4 - 30-4	Chinle/Alluvial Interface
NAPIS-3	11/10/20	2.00	6,913.38	6,882.34	31.50	ND	NA	9.47	6,903.29	NA	25.4 - 30-4	Chinle/Alluvial Interface
NAPIS-3	12/07/20	2.00	6,913.38	6,882.34	31.50	ND	NA	8.51	6,904.25	NA	25.4 - 30-4	Chinle/Alluvial Interface
NAPIS-3	01/28/21	2.00	6,913.38	6,882.34	31.50	ND	NA	9.00	6,903.76	NA	25.4 - 30-4	Chinle/Alluvial Interface
NAPIS-3	02/28/21	2.00	6,913.38	6,882.34	31.50	ND	NA	9.09	6,903.67	NA	25.4 - 30-4	Chinle/Alluvial Interface
NAPIS-3	03/31/21	2.00	6,913.38	6,882.34	31.50	ND	NA	9.27	6,903.49	NA	25.4 - 30-4	Chinle/Alluvial Interface
NAPIS-3	04/26/21	2.00	6,913.38	6,882.34	31.50	ND	NA	8.89	6,903.87	NA	25.4 - 30-4	Chinle/Alluvial Interface
NAPIS-3	05/20/21	2.00	6,913.38	6,882.34	31.50	ND	NA	9.30	6,903.46	NA	25.4 - 30-4	Chinle/Alluvial Interface
NAPIS-3	06/03/21	2.00	6,913.38	6,882.34	31.50	ND	NA	9.31	6,903.45	NA	25.4 - 30-4	Chinle/Alluvial Interface
NAPIS-3	07/06/21	2.00	6,913.38	6,882.34	31.50	ND	NA	7.75	6,905.01	NA	25.4 - 30-4	Chinle/Alluvial Interface
NAPIS-3	08/25/21	2.00	6,913.38	6,882.34	31.50	ND	NA	8.10	6,904.66	NA	25.4 - 30-4	Chinle/Alluvial Interface
NAPIS-3	09/08/21	2.00	6,913.38	6,882.34	31.50	ND	NA	8.15	6,904.61	NA	25.4 - 30-4	Chinle/Alluvial Interface
NAPIS-3	10/27/21	2.00	6,913.38	6,882.34	31.50	ND	NA	7.96	6,904.80	NA	25.4 - 30-4	Chinle/Alluvial Interface
NAPIS-3	11/17/21	2.00	6,913.38	6,882.34	31.50	ND	NA	8.13	6,904.63	NA	25.4 - 30-4	Chinle/Alluvial Interface
NAPIS-3	12/13/21	2.00	6,913.38	6,882.34	31.50	ND	NA	8.23	6,904.53	NA	25.4 - 30-4	Chinle/Alluvial Interface

**TABLE 2B. FLUID LEVEL MEASUREMENTS FOR NON MKTF WELLS
WESTERN REFINING SOUTHWEST, LLC
D/B/A MARATHON GALLUP REFINERY, GALLUP, NEW MEXICO**

Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Ground Level Elevation (ft)	Well Casing Bottom Elevation (ft)	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	09/15/20	2.00	6,914.37	6,888.37	28.00	ND	NA	11.90	6,904.83	NA	16 - 26	Chinle/Alluvial Interface
OAPIS-1	11/10/20	2.00	6,914.37	6,888.37	28.00	ND	NA	12.02	6,904.71	NA	16 - 26	Chinle/Alluvial Interface
OAPIS-1	12/07/20	2.00	6,914.37	6,888.37	28.00	ND	NA	12.31	6,904.42	NA	16 - 26	Chinle/Alluvial Interface
OAPIS-1	01/28/21	2.00	6,914.37	6,888.37	28.00	ND	NA	12.98	6,903.75	NA	16 - 26	Chinle/Alluvial Interface
OAPIS-1	02/27/21	2.00	6,914.37	6,888.37	28.00	ND	NA	12.96	6,903.77	NA	16 - 26	Chinle/Alluvial Interface
OAPIS-1	03/31/21	2.00	6,914.37	6,888.37	28.00	ND	NA	13.48	6,903.25	NA	16 - 26	Chinle/Alluvial Interface
OAPIS-1	04/26/21	2.00	6,914.37	6,888.37	28.00	ND	NA	13.24	6,903.49	NA	16 - 26	Chinle/Alluvial Interface
OAPIS-1	05/20/21	2.00	6,914.37	6,888.37	28.00	ND	NA	13.88	6,902.85	NA	16 - 26	Chinle/Alluvial Interface
OAPIS-1	06/03/21	2.00	6,914.37	6,888.37	28.00	ND	NA	13.08	6,903.65	NA	16 - 26	Chinle/Alluvial Interface
OAPIS-1	07/06/21	2.00	6,914.37	6,888.37	28.00	ND	NA	12.45	6,904.28	NA	16 - 26	Chinle/Alluvial Interface
OAPIS-1	08/25/21	2.00	6,914.37	6,888.37	28.00	ND	NA	11.50	6,905.23	NA	16 - 26	Chinle/Alluvial Interface
OAPIS-1	09/08/21	2.00	6,914.37	6,888.37	28.00	ND	NA	11.70	6,905.03	NA	16 - 26	Chinle/Alluvial Interface
OAPIS-1	10/27/21	2.00	6,914.37	6,888.37	28.00	ND	NA	11.93	6,904.80	NA	16 - 26	Chinle/Alluvial Interface
OAPIS-1	11/17/21	2.00	6,914.37	6,888.37	28.00	ND	NA	12.14	6,904.59	NA	16 - 26	Chinle/Alluvial Interface
OAPIS-1	12/13/21	2.00	6,914.37	6,888.37	28.00	ND	NA	12.21	6,904.52	NA	16 - 26	Chinle/Alluvial Interface

**TABLE 2B. FLUID LEVEL MEASUREMENTS FOR NON MKTF WELLS
WESTERN REFINING SOUTHWEST, LLC
D/B/A MARATHON GALLUP REFINERY, GALLUP, NEW MEXICO**

Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Ground Level Elevation (ft)	Well Casing Bottom Elevation (ft)	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	09/20/20	4.00	6,873.67	6,814.58	66.30	ND	NA	7.70	6,867.21	NA	40 - 60	Sonsela Sandstone
OW-10	10/09/20	4.00	6,873.67	6,814.58	66.30	ND	NA	7.70	6,867.21	NA	40 - 60	Sonsela Sandstone
OW-10	12/07/20	4.00	6,873.67	6,814.58	66.30	ND	NA	7.61	6,867.30	NA	40 - 60	Sonsela Sandstone
OW-10	01/28/21	4.00	6,873.67	6,814.58	66.30	ND	NA	7.84	6,867.07	NA	40 - 60	Sonsela Sandstone
OW-10	02/28/21	4.00	6,873.67	6,814.58	66.30	ND	NA	7.85	6,867.06	NA	40 - 60	Sonsela Sandstone
OW-10	03/31/21	4.00	6,873.67	6,814.58	66.30	ND	NA	7.68	6,867.23	NA	40 - 60	Sonsela Sandstone
OW-10	04/26/21	4.00	6,873.67	6,814.58	66.30	ND	NA	7.67	6,867.24	NA	40 - 60	Sonsela Sandstone
OW-10	05/20/21	4.00	6,873.67	6,814.58	66.30	ND	NA	7.59	6,867.32	NA	40 - 60	Sonsela Sandstone
OW-10	06/03/21	4.00	6,873.67	6,814.58	66.30	ND	NA	7.89	6,867.02	NA	40 - 60	Sonsela Sandstone
OW-10	07/06/21	4.00	6,873.67	6,814.58	66.30	ND	NA	7.94	6,866.97	NA	40 - 60	Sonsela Sandstone
OW-10	08/25/21	4.00	6,873.67	6,814.58	66.30	ND	NA	8.18	6,866.73	NA	40 - 60	Sonsela Sandstone
OW-10	09/09/21	4.00	6,873.67	6,814.58	66.30	ND	NA	8.65	6,866.26	NA	40 - 60	Sonsela Sandstone
OW-10	12/03/21	4.00	6,873.67	6,814.58	66.30	ND	NA	7.95	6,866.96	NA	40 - 60	Sonsela Sandstone

**TABLE 2B. FLUID LEVEL MEASUREMENTS FOR NON MKTF WELLS
WESTERN REFINING SOUTHWEST, LLC
D/B/A MARATHON GALLUP REFINERY, GALLUP, NEW MEXICO**

Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Ground Level Elevation (ft)	Well Casing Bottom Elevation (ft)	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	09/14/20	2.00	6,930.64	6,958.73	28.09	ND	NA	20.50	6,912.60	NA	15 - 25	Chinle/Alluvial Interface
OW-57	11/09/20	2.00	6,930.64	6,958.73	28.09	ND	NA	20.53	6,912.57	NA	15 - 25	Chinle/Alluvial Interface
OW-57	12/07/20	2.00	6,930.64	6,959.03	28.39	ND	NA	20.64	6,912.46	NA	15 - 25	Chinle/Alluvial Interface
OW-57	01/28/21	2.00	6,930.64	6,959.03	28.39	ND	NA	20.73	6,912.37	NA	15 - 25	Chinle/Alluvial Interface
OW-57	02/27/21	2.00	6,930.64	6,959.03	28.09	ND	NA	20.73	6,912.37	NA	15 - 25	Chinle/Alluvial Interface
OW-57	03/31/21	2.00	6,930.64	6,959.03	28.09	ND	NA	20.98	6,912.12	NA	15 - 25	Chinle/Alluvial Interface
OW-57	04/26/21	2.00	6,934.71	6,982.66	27.49	ND	NA	21.07	6,913.43	NA	15 - 25	Chinle/Alluvial Interface
OW-57	05/20/21	2.00	6,934.71	6,982.66	27.19	ND	NA	19.88	6,914.62	NA	15 - 25	Chinle/Alluvial Interface
OW-57	06/02/21	2.00	6,934.71	6,982.66	27.19	ND	NA	21.03	6,913.47	NA	15 - 25	Chinle/Alluvial Interface
OW-57	07/06/21	2.00	6,934.71	6,982.66	27.19	ND	NA	19.83	6,914.67	NA	15 - 25	Chinle/Alluvial Interface
OW-57	08/25/21	2.00	6,934.71	6,982.66	27.19	ND	NA	21.52	6,912.98	NA	15 - 25	Chinle/Alluvial Interface
OW-57	09/09/21	2.00	6,934.71	6,982.66	27.40	ND	NA	21.70	6,912.80	NA	15 - 25	Chinle/Alluvial Interface
OW-57	10/27/21	2.00	6,934.71	6,982.66	27.40	ND	NA	21.70	6,912.80	NA	15 - 25	Chinle/Alluvial Interface
OW-57	11/17/21	2.00	6,934.71	6,982.66	27.40	ND	NA	21.21	6,913.29	NA	15 - 25	Chinle/Alluvial Interface
OW-57	12/13/21	2.00	6,934.71	6,982.66	28.08	ND	NA	21.75	6,912.75	NA	15 - 25	Chinle/Alluvial Interface

**TABLE 2B. FLUID LEVEL MEASUREMENTS FOR NON MKTF WELLS
WESTERN REFINING SOUTHWEST, LLC
D/B/A MARATHON GALLUP REFINERY, GALLUP, NEW MEXICO**

Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Ground Level Elevation (ft)	Well Casing Bottom Elevation (ft)	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	09/14/20	2.00	6,934.71	6,982.71	48.00	ND	NA	23.55	6,910.95	NA	38 - 48	Chinle/Alluvial Interface
OW-58	11/09/20	2.00	6,934.71	6,982.71	48.00	ND	NA	23.31	6,911.19	NA	38 - 48	Chinle/Alluvial Interface
OW-58	12/08/20	2.00	6,934.71	6,982.66	47.95	ND	NA	24.32	6,910.18	NA	38 - 48	Chinle/Alluvial Interface
OW-58	01/28/21	2.00	6,934.71	6,982.66	47.95	ND	NA	24.29	6,910.21	NA	38 - 48	Chinle/Alluvial Interface
OW-58	02/28/21	2.00	6,934.71	6,982.66	47.95	ND	NA	23.80	6,910.70	NA	38 - 48	Chinle/Alluvial Interface
OW-58	03/31/21	2.00	6,934.71	6,982.66	47.95	ND	NA	24.40	6,910.10	NA	38 - 48	Chinle/Alluvial Interface
OW-58	04/26/21	2.00	6,934.71	6,982.66	47.95	ND	NA	24.83	6,909.67	NA	38 - 48	Chinle/Alluvial Interface
OW-58	05/20/21	2.00	6,934.71	6,982.66	47.95	ND	NA	23.33	6,911.17	NA	38 - 48	Chinle/Alluvial Interface
OW-58	06/02/21	2.00	6,934.71	6,982.66	47.95	ND	NA	24.63	6,909.87	NA	38 - 48	Chinle/Alluvial Interface
OW-58	07/06/21	2.00	6,934.71	6,982.66	47.95	ND	NA	24.77	6,909.73	NA	38 - 48	Chinle/Alluvial Interface
OW-58	08/25/21	2.00	6,934.71	6,982.66	47.95	ND	NA	25.10	6,909.40	NA	38 - 48	Chinle/Alluvial Interface
OW-58	09/09/21	2.00	6,934.71	6,982.66	47.95	ND	NA	25.20	6,909.30	NA	38 - 48	Chinle/Alluvial Interface
OW-58	10/27/21	2.00	6,934.71	6,982.66	47.95	ND	NA	25.30	6,909.20	NA	38 - 48	Chinle/Alluvial Interface
OW-58	11/17/21	2.00	6,934.71	6,982.66	47.95	ND	NA	25.20	6,909.30	NA	38 - 48	Chinle/Alluvial Interface
OW-58	12/13/21	2.00	6,934.71	6,982.66	47.95	ND	NA	25.21	6,909.29	NA	38 - 48	Chinle/Alluvial Interface

**TABLE 2B. FLUID LEVEL MEASUREMENTS FOR NON MKTF WELLS
WESTERN REFINING SOUTHWEST, LLC
D/B/A MARATHON GALLUP REFINERY, GALLUP, NEW MEXICO**

Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Ground Level Elevation (ft)	Well Casing Bottom Elevation (ft)	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	6,933.39	6,969.39	36.00	ND	NA	26.87	6,909.42	NA	25 - 33	Chinle/Alluvial Interface
OW-58A	11/09/20	4.00	6,933.39	6,970.30	36.91	ND	NA	24.31	6,911.98	NA	25 - 33	Chinle/Alluvial Interface
OW-58A	12/08/20	4.00	6,933.39	6,969.77	36.38	ND	NA	26.71	6,909.58	NA	25 - 33	Chinle/Alluvial Interface
OW-58A	01/28/21	4.00	6,933.39	6,969.77	36.38	ND	NA	26.66	6,909.63	NA	25 - 33	Chinle/Alluvial Interface
OW-58A	02/28/21	4.00	6,933.39	6,969.77	36.50	ND	NA	26.51	6,909.78	NA	25 - 33	Chinle/Alluvial Interface
OW-58A	03/31/21	4.00	6,933.39	6,969.77	36.50	ND	NA	26.75	6,909.54	NA	25 - 33	Chinle/Alluvial Interface
OW-58A	04/26/21	4.00	6,933.39	6,969.77	36.74	ND	NA	27.01	6,909.28	NA	25 - 33	Chinle/Alluvial Interface
OW-58A	05/20/21	4.00	6,933.39	6,969.77	36.86	ND	NA	26.31	6,909.98	NA	25 - 33	Chinle/Alluvial Interface
OW-58A	06/02/21	4.00	6,933.39	6,969.77	36.86	ND	NA	26.63	6,909.66	NA	25 - 33	Chinle/Alluvial Interface
OW-58A	07/06/21	4.00	6,933.39	6,969.77	36.86	ND	NA	26.92	6,909.37	NA	25 - 33	Chinle/Alluvial Interface
OW-58A	08/25/21	4.00	6,933.39	6,969.77	36.86	ND	NA	27.43	6,908.86	NA	25 - 33	Chinle/Alluvial Interface
OW-58A	09/09/21	4.00	6,933.39	6,969.77	36.40	ND	NA	27.60	6,908.69	NA	25 - 33	Chinle/Alluvial Interface
OW-58A	10/27/21	4.00	6,933.39	6,969.77	36.40	ND	NA	27.70	6,908.59	NA	25 - 33	Chinle/Alluvial Interface
OW-58A	11/17/21	4.00	6,933.39	6,969.77	36.40	ND	NA	27.62	6,908.67	NA	25 - 33	Chinle/Alluvial Interface
OW-58A	12/13/21	4.00	6,933.39	6,969.77	36.40	ND	NA	27.55	6,908.74	NA	25 - 33	Chinle/Alluvial Interface

**TABLE 2B. FLUID LEVEL MEASUREMENTS FOR NON MKTF WELLS
WESTERN REFINING SOUTHWEST, LLC
D/B/A MARATHON GALLUP REFINERY, GALLUP, NEW MEXICO**

Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Ground Level Elevation (ft)	Well Casing Bottom Elevation (ft)	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	09/15/20	4.00	6,959.29	6,991.14	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	6,959.29	6,991.14	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	6,959.29	6,990.62	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	6,959.29	6,990.10	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	6,959.29	6,991.12	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	6,959.29	6,991.12	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	6,959.29	6,993.16	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	6,959.29	6,994.18	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	6,959.29	6,994.18	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	6,959.29	6,994.18	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	6,959.29	6,994.18	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	6,959.29	6,994.16	34.87	20.36	3.42	23.78	6,938.10	6940.84	8 - 28	Chinle/Alluvial Interface
OW-61	10/27/21	4.00	6,959.29	6,994.16	34.87	21.55	0.55	22.10	6,939.78	6940.22	8 - 28	Chinle/Alluvial Interface
OW-61	11/15/21	4.00	6,959.29	6,994.16	34.87	21.75	0.64	22.39	6,939.49	6940.00	8 - 28	Chinle/Alluvial Interface
OW-61	12/03/21	4.00	6,959.29	6,994.16	34.87	21.69	0.69	22.38	6,939.50	6940.05	8 - 28	Chinle/Alluvial Interface

**TABLE 2B. FLUID LEVEL MEASUREMENTS FOR NON MKTF WELLS
WESTERN REFINING SOUTHWEST, LLC
D/B/A MARATHON GALLUP REFINERY, GALLUP, NEW MEXICO**

Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Ground Level Elevation (ft)	Well Casing Bottom Elevation (ft)	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	09/15/20	4.00	6,933.21	6,965.26	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	6,933.21	6,965.26	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	6,933.21	6,964.87	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	6,933.21	6,964.48	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	6,933.21	6,964.88	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	6,933.21	6,964.88	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	6,933.21	6,965.68	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	6,933.21	6,966.08	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	6,933.21	6,966.08	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	6,933.21	6,966.08	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	6,933.21	6,966.08	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	6,933.21	6,966.01	32.80	23.45	0.21	23.66	6,912.43	6912.60	8 - 28	Chinle/Alluvial Interface
OW-62	10/27/21	4.00	6,933.21	6,966.01	32.80	23.83	0.19	24.02	6,912.07	6912.22	8 - 28	Chinle/Alluvial Interface
OW-62	11/17/21	4.00	6,933.21	6,966.01	32.80	23.79	0.29	24.08	6,912.01	6912.24	8 - 28	Chinle/Alluvial Interface
OW-62	12/09/21	4.00	6,933.21	6,966.01	32.80	23.80	0.34	24.14	6,911.95	6912.22	8 - 28	Chinle/Alluvial Interface

**TABLE 2B. FLUID LEVEL MEASUREMENTS FOR NON MKTF WELLS
WESTERN REFINING SOUTHWEST, LLC
D/B/A MARATHON GALLUP REFINERY, GALLUP, NEW MEXICO**

Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Ground Level Elevation (ft)	Well Casing Bottom Elevation (ft)	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	09/14/20	4.00	6,930.87	6,962.92	32.05	ND	NA	20.73	6,913.14	NA	9 - 29	Chinle/Alluvial Interface
OW-63	11/09/20	4.00	6,930.87	6,962.92	32.05	ND	NA	20.85	6,913.02	NA	9 - 29	Chinle/Alluvial Interface
OW-63	12/08/20	4.00	6,930.87	6,963.09	32.22	ND	NA	20.97	6,912.90	NA	9 - 29	Chinle/Alluvial Interface
OW-63	01/28/21	4.00	6,930.87	6,963.09	32.22	ND	NA	21.15	6,912.72	NA	9 - 29	Chinle/Alluvial Interface
OW-63	02/27/21	4.00	6,930.87	6,963.09	32.22	ND	NA	21.13	6,912.74	NA	9 - 29	Chinle/Alluvial Interface
OW-63	03/31/21	4.00	6,930.87	6,963.09	32.22	ND	NA	21.28	6,912.59	NA	9 - 29	Chinle/Alluvial Interface
OW-63	04/26/21	4.00	6,930.87	6,963.09	32.22	ND	NA	21.40	6,912.47	NA	9 - 29	Chinle/Alluvial Interface
OW-63	05/20/21	4.00	6,930.87	6,963.09	32.22	ND	NA	21.52	6,912.35	NA	9 - 29	Chinle/Alluvial Interface
OW-63	06/02/21	4.00	6,930.87	6,963.09	32.22	ND	NA	21.37	6,912.50	NA	9 - 29	Chinle/Alluvial Interface
OW-63	07/06/21	4.00	6,930.87	6,963.09	32.22	ND	NA	23.20	6,910.67	NA	9 - 29	Chinle/Alluvial Interface
OW-63	08/25/21	4.00	6,930.87	6,963.09	32.22	ND	NA	21.74	6,912.13	NA	9 - 29	Chinle/Alluvial Interface
OW-63	09/28/21	4.00	6,930.87	6,963.09	32.22	ND	NA	21.85	6,912.02	NA	9 - 29	Chinle/Alluvial Interface
OW-63	10/27/21	4.00	6,930.87	6,963.09	32.22	ND	NA	21.90	6,911.97	NA	9 - 29	Chinle/Alluvial Interface
OW-63	11/17/21	4.00	6,930.87	6,963.09	32.22	ND	NA	21.87	6,912.00	NA	9 - 29	Chinle/Alluvial Interface
OW-63	12/16/21	4.00	6,930.87	6,963.09	32.22	ND	NA	21.93	6,911.94	NA	9 - 29	Chinle/Alluvial Interface

**TABLE 2B. FLUID LEVEL MEASUREMENTS FOR NON MKTF WELLS
WESTERN REFINING SOUTHWEST, LLC
D/B/A MARATHON GALLUP REFINERY, GALLUP, NEW MEXICO**

Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Ground Level Elevation (ft)	Well Casing Bottom Elevation (ft)	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	09/14/20	4.00	6,943.32	6,970.67	27.35	ND	NA	7.95	6,938.14	NA	4 - 24	Chinle/Alluvial Interface
OW-64	11/09/20	4.00	6,943.32	6,970.67	27.35	ND	NA	8.18	6,937.91	NA	4 - 24	Chinle/Alluvial Interface
OW-64	12/07/20	4.00	6,943.32	6,970.67	27.35	ND	NA	8.26	6,937.83	NA	4 - 24	Chinle/Alluvial Interface
OW-64	01/28/21	4.00	6,943.32	6,970.67	27.35	ND	NA	8.54	6,937.55	NA	4 - 24	Chinle/Alluvial Interface
OW-64	02/27/21	4.00	6,943.32	6,970.67	27.35	ND	NA	8.29	6,937.80	NA	4 - 24	Chinle/Alluvial Interface
OW-64	03/31/21	4.00	6,943.32	6,970.67	27.35	ND	NA	8.37	6,937.72	NA	4 - 24	Chinle/Alluvial Interface
OW-64	04/26/21	4.00	6,943.32	6,970.67	27.35	ND	NA	8.28	6,937.81	NA	4 - 24	Chinle/Alluvial Interface
OW-64	05/20/21	4.00	6,943.32	6,970.67	27.35	ND	NA	8.08	6,938.01	NA	4 - 24	Chinle/Alluvial Interface
OW-64	06/02/21	4.00	6,943.32	6,970.67	27.35	ND	NA	8.13	6,937.96	NA	4 - 24	Chinle/Alluvial Interface
OW-64	07/06/21	4.00	6,943.32	6,970.67	27.35	ND	NA	7.40	6,938.69	NA	4 - 24	Chinle/Alluvial Interface
OW-64	08/25/21	4.00	6,943.32	6,970.67	27.35	ND	NA	7.75	6,938.34	NA	4 - 24	Chinle/Alluvial Interface
OW-64	09/09/21	4.00	6,943.32	6,970.67	27.35	ND	NA	7.94	6,938.15	NA	4 - 24	Chinle/Alluvial Interface
OW-64	10/27/21	4.00	6,943.32	6,970.67	27.35	ND	NA	7.90	6,938.19	NA	4 - 24	Chinle/Alluvial Interface
OW-64	11/17/21	4.00	6,943.32	6,970.67	27.35	ND	NA	7.91	6,938.18	NA	4 - 24	Chinle/Alluvial Interface
OW-64	12/28/21	4.00	6,943.32	6,970.67	27.35	ND	NA	7.75	6,938.34	NA	4 - 24	Chinle/Alluvial Interface

**TABLE 2B. FLUID LEVEL MEASUREMENTS FOR NON MKTF WELLS
WESTERN REFINING SOUTHWEST, LLC
D/B/A MARATHON GALLUP REFINERY, GALLUP, NEW MEXICO**

Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Ground Level Elevation (ft)	Well Casing Bottom Elevation (ft)	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	09/14/20	4.00	6,949.95	6,992.75	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	6,949.95	6,992.75	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	6,949.95	6,992.45	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	6,949.95	6,992.45	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	6,949.95	6,992.45	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	6,949.95	6,992.45	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	6,949.95	6,992.45	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	6,949.95	6,992.45	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	6,949.95	6,992.45	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	6,949.95	6,992.45	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	6,949.95	6,992.45	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	6,949.95	6,992.45	39.50	28.37	6.13	34.50	6,918.33	6923.23	17 - 37	Chinle/Alluvial Interface
OW-65	10/27/22	4.00	6,949.95	6,992.45	39.50	28.37	6.13	34.50	6,918.33	6923.23	17 - 37	Chinle/Alluvial Interface
OW-65	11/15/21	4.00	6,949.95	6,992.45	39.50	28.18	6.95	35.13	6,917.70	6923.26	17 - 37	Chinle/Alluvial Interface
OW-65	12/03/21	4.00	6,949.95	6,992.45	39.50	28.10	6.98	35.08	6,917.75	6923.33	17 - 37	Chinle/Alluvial Interface

**TABLE 2B. FLUID LEVEL MEASUREMENTS FOR NON MKTF WELLS
WESTERN REFINING SOUTHWEST, LLC
D/B/A MARATHON GALLUP REFINERY, GALLUP, NEW MEXICO**

Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Ground Level Elevation (ft)	Well Casing Bottom Elevation (ft)	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	09/19/20	4.00	6,942.86	6,903.02	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	6,942.86	6,903.02	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	6,942.86	6,903.02	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	6,942.86	6,903.02	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	6,942.86	6,903.02	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	6,942.86	6,903.02	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	6,942.86	6,903.02	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	6,942.86	6,903.02	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	6,942.86	6,903.02	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	6,942.86	6,903.02	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	6,942.86	6,903.02	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	6,942.86	6,903.02	43.45	29.53	1.49	31.02	6,915.04	6,916.23	25 - 40	Chinle/Alluvial Interface
RW-1	09/09/21	4.00	6,942.86	6,903.02	43.45	31.09	1.18	32.27	6,913.79	6,914.73	25 - 40	Chinle/Alluvial Interface
RW-1	11/15/21	4.00	6,942.86	6,903.02	43.45	29.90	1.15	31.05	6,915.01	6,915.93	25 - 40	Chinle/Alluvial Interface
RW-1	12/03/21	4.00	6,942.86	6,903.02	43.45	29.91	2.07	31.98	6,914.08	6,915.74	25 - 40	Chinle/Alluvial Interface

**TABLE 2B. FLUID LEVEL MEASUREMENTS FOR NON MKTF WELLS
WESTERN REFINING SOUTHWEST, LLC
D/B/A MARATHON GALLUP REFINERY, GALLUP, NEW MEXICO**

Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Ground Level Elevation (ft)	Well Casing Bottom Elevation (ft)	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	09/19/20	4.00	6,926.40	6,888.73	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	6,926.40	6,888.73	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	6,926.40	6,888.73	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	6,926.40	6,888.73	40.00	ND	NA	22.40	6,906.13	NA	26.1 - 36.1	Chinle/Alluvial Interface
RW-2	02/27/21	4.00	6,926.40	6,888.73	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	6,926.40	6,888.73	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	6,926.40	6,888.73	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	6,926.40	6,888.73	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	6,926.40	6,888.73	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	6,926.40	6,888.73	40.00	ND	NA	23.67	6,904.86	NA	26.1 - 36.1	Chinle/Alluvial Interface
RW-2	08/09/21	4.00	6,926.40	6,888.73	40.00	ND	NA	24.50	6,904.03	NA	26.1 - 36.1	Chinle/Alluvial Interface
RW-2R	08/31/21	4.00	6,931.04	6,888.73	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	6,931.04	6,888.73	31.50	22.26	2.66	24.92	6,909.29	6,911.42	11.5 -31.5	Chinle/Alluvial Interface
RW-2R	10/27/21	4.00	6,931.04	6,888.73	31.50	22.50	2.65	25.15	6,909.06	6,911.18	11.5 -31.5	Chinle/Alluvial Interface
RW-2R	11/15/21	4.00	6,931.04	6,888.73	31.50	22.47	2.49	24.96	6,909.25	6,911.24	11.5 -31.5	Chinle/Alluvial Interface
RW-2R	12/03/21	4.00	6,931.04	6,888.73	31.50	22.50	2.39	24.89	6,909.32	6,911.23	11.5 -31.5	Chinle/Alluvial Interface

**TABLE 2B. FLUID LEVEL MEASUREMENTS FOR NON MKTF WELLS
WESTERN REFINING SOUTHWEST, LLC
D/B/A MARATHON GALLUP REFINERY, GALLUP, NEW MEXICO**

Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Ground Level Elevation (ft)	Well Casing Bottom Elevation (ft)	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	09/19/20	4.00	6,941.53	6,903.98	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	6,941.53	6,903.98	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	6,941.53	6,903.98	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	6,941.53	6,903.98	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	6,941.53	6,903.98	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	6,941.53	6,903.98	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	6,941.53	6,903.98	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	6,941.53	6,903.98	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	6,941.53	6,903.98	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	6,941.53	6,903.98	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	6,941.53	6,903.98	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	6,941.53	6,903.98	39.51	30.34	3.10	33.44	6,910.13	6,912.61	29.5 - 39.5	Chinle/Alluvial Interface
RW-5	10/27/21	4.00	6,941.53	6,903.98	39.51	31.40	2.75	34.15	6,909.42	6,911.62	29.5 - 39.5	Chinle/Alluvial Interface
RW-5	11/15/21	4.00	6,941.53	6,903.98	39.51	30.35	2.40	32.75	6,910.82	6,912.74	29.5 - 39.5	Chinle/Alluvial Interface
RW-5	12/03/21	4.00	6,941.53	6,903.98	39.51	30.31	2.37	32.68	6,910.89	6,912.79	29.5 - 39.5	Chinle/Alluvial Interface

**TABLE 2B. FLUID LEVEL MEASUREMENTS FOR NON MKTF WELLS
WESTERN REFINING SOUTHWEST, LLC
D/B/A MARATHON GALLUP REFINERY, GALLUP, NEW MEXICO**

Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Ground Level Elevation (ft)	Well Casing Bottom Elevation (ft)	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	11/09/20	4.00	6,941.96	6,903.11	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	6,941.96	6,903.11	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	6,941.96	6,903.11	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	6,941.96	6,903.11	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	6,941.96	6,903.11	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	6,941.96	6,903.11	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	6,941.96	6,903.11	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	6,941.96	6,903.11	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	6,941.96	6,903.11	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	6,941.96	6,903.11	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	6,941.96	6,903.11	40.85	30.34	3.10	33.44	6,910.57	6,913.05	28.5 - 38.5	Chinle/Alluvial Interface
RW-6	10/27/21	4.00	6,941.96	6,903.11	40.85	30.34	3.10	33.44	6,910.57	6,913.05	28.5 - 38.5	Chinle/Alluvial Interface
RW-6	11/15/21	4.00	6,941.96	6,903.11	40.85	31.60	2.85	34.45	6,909.56	6,911.84	28.5 - 38.5	Chinle/Alluvial Interface
RW-6	12/03/21	4.00	6,941.96	6,903.11	40.85	30.40	2.75	33.15	6,910.86	6,913.06	28.5 - 38.5	Chinle/Alluvial Interface

**TABLE 2B. FLUID LEVEL MEASUREMENTS FOR NON MKTF WELLS
WESTERN REFINING SOUTHWEST, LLC
D/B/A MARATHON GALLUP REFINERY, GALLUP, NEW MEXICO**

Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Ground Level Elevation (ft)	Well Casing Bottom Elevation (ft)	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	12/08/20	2.00	6,904.50	6,854.47	50.28	ND	NA	20.78	6,883.69	NA	20 - 50	Chinle/Alluvial Interface
STP1-NW	01/28/21	2.00	6,904.50	6,854.47	50.56	ND	NA	20.76	6,883.71	NA	20 - 50	Chinle/Alluvial Interface
STP1-NW	02/28/21	2.00	6,904.50	6,854.47	49.85	ND	NA	20.60	6,883.87	NA	20 - 50	Chinle/Alluvial Interface
STP1-NW	03/31/21	2.00	6,904.50	6,854.47	49.85	ND	NA	21.95	6,882.52	NA	20 - 50	Chinle/Alluvial Interface
STP1-NW	04/26/21	2.00	6,904.50	6,854.47	48.43	ND	NA	20.81	6,883.66	NA	20 - 50	Chinle/Alluvial Interface
STP1-NW	05/20/21	2.00	6,904.50	6,854.47	47.72	ND	NA	22.19	6,882.28	NA	20 - 50	Chinle/Alluvial Interface
STP1-NW	06/03/21	2.00	6,904.50	6,854.47	47.72	ND	NA	22.16	6,882.31	NA	20 - 50	Chinle/Alluvial Interface
STP1-NW	07/12/21	2.00	6,904.50	6,854.47	47.72	ND	NA	22.32	6,882.15	NA	20 - 50	Chinle/Alluvial Interface
STP1-NW	08/31/21	2.00	6,904.50	6,854.47	47.72	ND	NA	21.75	6,882.72	NA	20 - 50	Chinle/Alluvial Interface
STP1-NW	09/08/21	2.00	6,904.50	6,854.47	47.72	ND	NA	21.75	6,882.72	NA	20 - 50	Chinle/Alluvial Interface
STP1-NW	10/27/21	2.00	6,904.50	6,854.47	47.72	ND	NA	22.00	6,882.47	NA	20 - 50	Chinle/Alluvial Interface
STP1-NW	11/17/21	2.00	6,904.50	6,854.47	47.72	ND	NA	21.78	6,882.69	NA	20 - 50	Chinle/Alluvial Interface
STP1-NW	12/13/21	2.00	6,904.50	6,854.47	47.72	ND	NA	21.52	6,882.95	NA	20 - 50	Chinle/Alluvial Interface

**TABLE 2B. FLUID LEVEL MEASUREMENTS FOR NON MKTF WELLS
WESTERN REFINING SOUTHWEST, LLC
D/B/A MARATHON GALLUP REFINERY, GALLUP, NEW MEXICO**

Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Ground Level Elevation (ft)	Well Casing Bottom Elevation (ft)	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	12/08/20	2.00	6,912.40	6,854.47	29.25	ND	NA	29.23	6,883.15	NA	15 - 30	Chinle/Alluvial Interface
STP1-SW	02/28/21	2.00	6,912.40	6,854.47	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	6,912.40	6,854.47	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	6,912.40	6,854.47	29.16	ND	NA	28.96	6,883.42	NA	15 - 30	Chinle/Alluvial Interface
STP1-SW	05/22/21	2.00	6,912.40	6,854.47	29.16	ND	NA	29.70	6,882.68	NA	15 - 30	Chinle/Alluvial Interface
STP1-SW	06/03/21	2.00	6,912.40	6,854.47	29.16	ND	NA	28.97	6,883.41	NA	15 - 30	Chinle/Alluvial Interface
STP1-SW	07/12/21	2.00	6,912.40	6,854.47	29.16	ND	NA	DRY	NA	NA	15 - 30	Chinle/Alluvial Interface
STP1-SW	08/31/21	2.00	6,912.40	6,854.47	29.16	ND	NA	DRY	NA	NA	15 - 30	Chinle/Alluvial Interface
STP1-SW	09/08/21	2.00	6,912.40	6,854.47	29.16	ND	NA	DRY	NA	NA	15 - 30	Chinle/Alluvial Interface
STP1-SW	10/27/21	2.00	6,912.40	6,854.47	29.16	ND	NA	DRY	NA	NA	15 - 30	Chinle/Alluvial Interface
STP1-SW	11/17/21	2.00	6,912.40	6,854.47	29.16	ND	NA	DRY	NA	NA	15 - 30	Chinle/Alluvial Interface
STP1-SW	12/09/21	2.00	6,912.40	6,854.47	29.16	ND	NA	DRY	NA	NA	15 - 30	Chinle/Alluvial Interface
OW-70	09/08/21	2.00	6,943.07	6,993.65	47.70	ND	NA	31.41	6,914.54	NA	32 - 47	Chinle/Alluvial Interface
OW-70	12/16/21	2.00	6,943.07	6,993.65	47.37	ND	NA	31.59	6,914.36	NA	32 - 47	Chinle/Alluvial Interface
OW-12A	09/08/21	2.00	6,943.65	6,978.56	35.50	ND	NA	DRY	NA	NA	20 - 35	Chinle/Alluvial Interface
OW-12A	12/16/21	2.00	6,943.65	6,978.56	33.20	ND	NA	25.55	6,917.51	NA	20 - 35	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. OCTOBER VACUUM TRUCK EXTRACTIONS - MKTF WELLS
WESTERN REFINING SOUTHWEST, LLC
D/B/A 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	10/11/2021	13.59	14.50	Vac Truck	0.91	0.74	3.14	2.46	0.67	17.83	4	
MKTF-5	10/12/2021	13.72	14.25	Post Recovery	0.53							
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			Post Recovery	NA							Could not access due to mud
MKTF-7	10/10/2021	13.11	13.21	Vac Truck	0.10	0.74	3.20	3.12	0.074	17.43	4	
MKTF-7	10/11/2021	13.13	13.19	Post Recovery	0.06							
MKTF-8	10/6/2021	14.74	14.86	Vac Truck	0.12	0.74	5.37	5.28	0.089	22.00	4	
MKTF-8	10/7/2021	14.70	14.92	Post Recovery	0.22							
MKTF-13	10/11/2021	12.14	16.09	Vac Truck	3.95	0.74	7.39	4.47	2.923	22.13	4	
MKTF-13	10/12/2021	12.22	16.00	Post Recovery	3.78							
MKTF-14	10/11/2021	6.08	6.34	Vac Truck	0.26	0.74	8.32	8.13	0.192	17.32	4	
MKTF-14	10/12/2021	6.18	6.38	Post Recovery	0.20							
MKTF-17R	10/7/2021	NA	12.02	Vac Truck	0.00	0.16	2.06	2.06	0.000	24.67	2	No SPH detected
MKTF-17R	10/8/2021	NA	12.21	Post Recovery	0.00							No SPH detected
MKTF-20	10/6/2021	NA	8.37	Vac Truck	0.00	0.74	0.93	0.93	0.000	9.62	4	No SPH detected
MKTF-20	10/7/2021	NA	9.41	Post Recovery	0.00							No SPH detected
MKTF-22	10/7/2021	25.36	27.41	Vac Truck	2.05	0.16	1.59	1.25	0.334	35.09	2	
MKTF-22	10/8/2021	25.41	27.48	Post Recovery	2.07							
MKTF-26	10/7/2021	8.85	8.86	Vac Truck	0.01	0.16	1.31	1.31	0.002	16.89	2	
MKTF-26	10/8/2021	9.11	9.12	Post Recovery	0.01							
MKTF-33	10/7/2021	23.30	23.33	Vac Truck	0.03	0.16	1.61	1.60	0.005	33.15	2	
MKTF-33	10/8/2021	23.45	23.46	Post Recovery	0.01							
MKTF-39	10/7/2021	9.46	9.77	Vac Truck	0.31	0.74	15.38	15.15	0.229	30.24	4	
MKTF-39	10/8/2021	9.51	9.66	Post Recovery	0.15							
MKTF-45	10/6/2021	NA	14.48	Vac Truck	0.00	0.74	11.85	11.85	0.000	30.50	4	No SPH detected
MKTF-45	10/7/2021	NA	14.52	Post Recovery	0.00							No SPH detected
MKTF-49	10/7/2021	15.42	15.81	Vac Truck	0.39	0.74	4.65	4.36	0.289	21.70	4	
MKTF-49	10/8/2021	15.48	15.81	Post Recovery	0.33							
						Total Extracted (gal)	66.79	61.97	4.81			

NOTES:

DTP = Depth to product

DTW = Depth to water

SPH = Separate Phase Hydrocarbon

ft = feet

gal = gallons

in = inches

TABLE 3B. OCTOBER VACUUM TRUCK EXTRACTIONS - TANK FARM WELLS
WESTERN REFINING SOUTHWEST, LLC
D/B/A 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	10/6/2021	21.02	24.92	Vac Truck	3.90	0.74	5.17	2.28	2.886	28.0	4	
OW-61	10/7/2021	21.22	25.11	Post Recovery	3.89							
OW-65	10/6/2021	28.03	34.88	Vac Truck	6.85	0.74	6.64	1.57	5.069	37.0	4	
OW-65	10/7/2021	28.48	34.92	Post Recovery	6.44							
RW-1	10/20/2021	30.22	31.53	Vac Truck	1.31	0.74	9.49	8.52	0.969	43.0	4	
RW-1	10/21/2021	30.83	31.59	Post Recovery	0.76							
RW-2R	10/20/2021	22.46	25.13	Vac Truck	2.67	0.74	12.83	10.86	0.000	39.8	4	
RW-2R	10/21/2021	22.69	24.73	Post Recovery	2.04							
RW-5	10/20/2021	30.45	33.07	Vac Truck	2.62	0.74	6.76	4.82	1.939	39.6	4	
RW-5	10/21/2021	30.59	33.23	Post Recovery	2.64							
RW-6	10/20/2021	30.42	33.37	Vac Truck	2.95	0.74	7.76	5.57	2.183	40.9	4	
RW-6	10/21/2021	30.49	33.48	Post Recovery	2.99							
						Total Extracted (gal)	48.64	33.62	13.05			

NOTES:

DTP = Depth to product

DTW = Depth to water

SPH = Separate Phase Hydrocarbon

ft = feet

gal = gallons

in = inches

Vac = Vacuum

TABLE 3C. NOVEMBER VACUUM TRUCK EXTRACTIONS - MKTF WELLS
WESTERN REFINING SOUTHWEST, LLC
D/B/A 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	11/2/2021	14.25	14.81	Vac Truck	0.56	0.74	2.65	2.23	0.414	17.83	4	
MKTF-5	11/3/2021	14.51	14.91	Post Recovery	0.40							
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			Post Recovery	NA							Could not access due to mud
MKTF-7	11/2/2021	13.46	13.65	Vac Truck	0.19	0.74	2.94	2.80	0.141	17.43	4	
MKTF-7	11/3/2021	13.55	13.61	Post Recovery	0.06							
MKTF-8	11/2/2021	14.73	15.21	Vac Truck	0.48	0.74	5.38	5.02	0.355	22.00	4	
MKTF-8	11/3/2021	14.77	15.18	Post Recovery	0.41							
MKTF-13	11/2/2021	13.11	15.95	Vac Truck	2.84	0.74	6.67	4.57	2.102	22.13	4	
MKTF-13	11/3/2021	13.18	15.92	Post Recovery	2.74							
MKTF-14	11/2/2021	NA	7.01	Vac Truck	0.00	0.74	7.63	7.63	0.000	17.32	4	No SPH detected
MKTF-14	11/3/2021	NA	7.17	Post Recovery	0.00							No SPH detected
MKTF-17R	11/2/2021	NA	11.91	Vac Truck	0.00	0.16	2.08	2.080	0.000	24.67	2	No SPH detected
MKTF-17R	11/3/2021	NA	12.04	Post Recovery	0.00							No SPH detected
MKTF-20	11/2/2021	NA	8.91	Vac Truck	0.00	0.74	0.53	0.53	0.000	9.62	4	No SPH detected
MKTF-20	11/3/2021	NA	9.00	Post Recovery	0.00							No SPH detected
MKTF-22	11/2/2021	25.53	27.58	Vac Truck	2.05	0.16	1.56	1.22	0.334	35.09	2	
MKTF-22	11/3/2021	25.57	27.61	Post Recovery	2.04							
MKTF-26	11/2/2021	NA	8.88	Vac Truck	0.00	0.16	1.31	1.31	0.000	16.89	2	No SPH detected
MKTF-26	11/3/2021	NA	9.00	Post Recovery	0.00							No SPH detected
MKTF-33	11/2/2021	23.35	23.37	Vac Truck	0.02	0.16	1.60	1.59	0.003	33.15	2	
MKTF-33	11/3/2021	23.41	23.42	Post Recovery	0.01							
MKTF-39	11/2/2021	9.76	10.11	Vac Truck	0.35	0.74	15.16	14.90	0.259	30.24	4	
MKTF-39	11/3/2021	9.89	10.10	Post Recovery	0.21							
MKTF-45	11/2/2021	NA	14.42	Vac Truck	0.00	0.74	11.90	11.90	0.000	30.50	4	No SPH detected
MKTF-45	11/3/2021	NA	14.70	Post Recovery	0.00							No SPH detected
MKTF-49	11/2/2021	15.55	15.82	Vac Truck	0.27	0.16	1.00	0.96	0.04	21.70	4	
MKTF-49	11/3/2021	15.61	15.87	Post Recovery	0.26							
						Total Extracted (gal)	60.39	56.74	3.65			

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. NOVEMBER VACUUM TRUCK EXTRACTIONS - TANK FARM WELLS
WESTERN REFINING SOUTHWEST, LLC
D/B/A 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	11/15/2021	21.75	22.39	Vac Truck	0.64	0.74	4.63	4.15	0.474	28.0	4	
OW-61	11/16/2021	21.88	22.41	Post Recovery	0.53							
OW-65	11/15/2021	28.18	35.13	Vac Truck	6.95	0.74	6.53	1.38	5.143	37.0	4	
OW-65	11/16/2021	28.88	35.11	Post Recovery	6.23							
RW-1	11/15/2021	29.9	31.05	Vac Truck	1.15	0.74	9.72	8.87	0.851	43.0	4	
RW-1	11/16/2021	30.06	31.11	Post Recovery	1.05							
RW-2R	11/15/2021	22.47	24.96	Vac Truck	2.49	0.74	12.82	10.98	1.843	39.8	4	
RW-2R	11/16/2021	23.55	24.98	Post Recovery	1.43							
RW-5	11/15/2021	30.35	32.75	Vac Truck	2.40	0.74	6.84	5.06	1.776	39.6	4	
RW-5	11/16/2021	30.55	32.81	Post Recovery	2.26							
RW-6	11/15/2021	30.39	33.10	Vac Truck	2.71	0.74	7.78	5.77	2.005	40.9	4	
RW-6	11/16/2021	30.89	33.29	Post Recovery	2.40							
						Total Extracted (gal)	48.31	36.22	12.09			

NOTES:

DTP = Depth to product

DTW = Depth to water

SPH = Separate Phase Hydrocarbon

ft = feet

gal = gallons

in = inches

Vac = Vacuum

TABLE 3E. DECEMBER VACUUM TRUCK EXTRACTIONS - MKTF WELLS
WESTERN REFINING SOUTHWEST, LLC
D/B/A 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	12/6/2021	14.78	15.27	Vac Truck	0.49	0.74	2.26	1.89	0.363	17.83	4	
MKTF-5	12/7/2021	14.94	15.33	Post Recovery	0.39							
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	12/6/2021	13.91	14.04	Vac Truck	0.13	0.74	2.60	2.51	0.096	17.43	4	
MKTF-7	12/7/2021	14.00	14.10	Post Recovery	0.10							
MKTF-8	12/6/2021	15.10	15.45	14.89	0.35	0.74	5.11	4.85	0.259	22.00	4	
MKTF-8	12/7/2021	15.20	15.60	Post Recovery	0.40							
MKTF-13	12/6/2021	13.49	15.84	Vac Truck	2.35	0.74	6.39	4.65	1.739	22.13	4	
MKTF-13	12/7/2021	13.61	15.91	Post Recovery	2.30							
MKTF-14	12/6/2021	7.21	7.40	Vac Truck	0.19	0.74	7.48	7.34	0.141	17.32	4	
MKTF-14	12/7/2021	7.28	7.55	Post Recovery	0.27							
MKTF-17R	12/14/2021	NA	12.39	Vac Truck	0.00	0.16	2.00	2.00	0.000	24.67	2	No SPH detected
MKTF-17R	12/15/2021	NA	12.44	Post Recovery	0.00							No SPH detected
MKTF-20	12/6/2021	NA	9.32	Vac Truck	0.00	0.74	0.22	0.22	0.000	9.62	4	No SPH detected
MKTF-20	12/7/2021	NA	9.40	Post Recovery	0.00							No SPH detected
MKTF-22	12/14/2021	25.66	27.86	Vac Truck	2.20	0.16	1.54	1.18	0.359	35.09	2	
MKTF-22	12/15/2021	25.81	27.77	Post Recovery	1.96							
MKTF-26	12/14/2021	8.92	8.93	Vac Truck	0.01	0.16	1.30	1.30	0.002	16.89	2	
MKTF-26	12/15/2021	8.99	9.00	Post Recovery	0.01							
MKTF-33	12/14/2021	23.34	23.50	Vac Truck	0.16	0.16	1.60	1.57	0.026	33.15	2	
MKTF-33	12/15/2021	23.44	23.51	Post Recovery	0.07							
MKTF-39	12/14/2021	9.77	10.09	Vac Truck	0.32	0.16	3.34	3.28	0.052	30.24	2	
MKTF-39	12/15/2021	9.88	10.17	Post Recovery	0.29							
MKTF-45	12/6/2021	14.28	14.31	Vac Truck	0.03	0.74	12.00	11.98	0.022	30.50	4	
MKTF-45	12/7/2021	14.33	14.34	Post Recovery	0.01							
MKTF-49	12/14/2021	15.51	15.74	Vac Truck	0.23	0.16	1.01	0.97	0.037	21.70	2	
MKTF-49	12/15/2021	15.61	15.81	Post Recovery	0.20							
						Total Extracted (gal)	46.85	43.75	3.096			

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. DECEMBER VACUUM TRUCK EXTRACTIONS - TANK FARM WELLS
WESTERN REFINING SOUTHWEST, LLC
D/B/A 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	12/13/2021	22.35	22.7	Vac Truck	0.35	0.74	4.18	3.92	0.259	28.0	4	
OW-61	12/14/2021	22.48	22.73	Post Recovery	0.25							
OW-65	12/13/2021	28.51	35.23	Vac Truck	6.72	0.74	6.28	1.31	4.973	37.0	4	
OW-65	12/14/2021	29.01	32.48	Post Recovery	3.47							
RW-1	12/13/2021	29.62	31.73	Vac Truck	2.11	0.74	9.93	8.37	1.561	43.0	4	
RW-1	12/14/2021	29.84	31.81	Post Recovery	1.97							
RW-2R	12/13/2021	22.51	25.06	Vac Truck	2.55	0.74	6.65	4.77	1.887	31.5	4	
RW-2R	12/14/2021	22.61	25.01	Post Recovery	2.40							
RW-5	12/13/2021	30.37	32.79	Vac Truck	2.42	0.74	6.82	5.03	1.791	39.6	4	
RW-5	12/14/2021	30.48	32.81	Post Recovery	2.33							
RW-6	12/13/2021	30.66	33.08	Vac Truck	2.42	0.74	7.58	5.79	1.791	40.9	4	
RW-6	12/14/2021	30.99	33.41	Post Recovery	2.42							
						Total Extracted (gal)	41.45	29.19	12.26			

NOTES:

DTP = Depth to product

DTW = Depth to water

SPH = Separate Phase Hydrocarbon

ft = feet

gal = gallons

in = inches

Vac = Vacuum

TABLE 4. SUMMARY OF BORROW PIT INTERIM MEASURE DATA
WESTERN REFINING SOUTHWEST, LLC
D/B/A MARATHON GALLUP REFINERY
GALLUP, NEW MEXICO

Date	Depth to SPH, ft							Depth to Water, ft							SPH Thickness, ft					Total gal/w, SPH*	Total Gal, SPH	Water Thickness, ft (Total Sump Depths Provided in Notes Section)					Total gal/w, Water*	Total Gal, Water
	S-1	S-2	S-3	S-4	S-5	PZ-1	PZ-2	S-1	S-2	S-3	S-4	S-5	PZ-1	PZ-2	S-1	S-2	S-3	S-4	S-5			S-1	S-2	S-3	S-4	S-5		
5/10/2021	3.56	3.41	4.5	ND	ND	ND	ND	8.93	7.71	7.94	6.36	5.84	2.81	3.99	5.37	4.30	3.44	0.00	0.00	37.44	37.44	1.47	2.69	2.46	4.04	4.56	124.15	124.15
5/11/2021	3.63	3.46	4.68	ND	ND	ND	ND	8.83	7.57	7.60	6.39	5.08	2.82	3.98	5.20	4.11	2.92	0.00	0.00	34.93	72.37	1.57	2.83	2.80	4.01	5.32	134.84	258.99
5/12/2021	3.65	3.45	4.68	ND	ND	ND	ND	8.84	7.65	7.59	6.42	5.10	2.85	4.00	5.19	4.20	2.91	0.00	0.00	35.13	107.50	1.56	2.75	2.81	3.98	5.30	133.78	392.76
5/17/2021	3.62	3.5	4.56	ND	ND	ND	ND	8.91	7.76	7.91	6.39	5.11	2.89	4.04	5.29	4.26	3.35	0.00	0.00	36.84	144.35	1.49	2.64	2.49	4.01	5.29	129.86	522.62
5/18/2021	3.69	3.51	4.73	ND	ND	ND	ND	8.79	7.76	7.53	6.46	5.14	2.91	4.10	5.10	4.25	2.80	0.00	0.00	34.70	179.05	1.61	2.64	2.87	3.94	5.26	133.12	655.75
5/20/2021	3.71	3.53	4.72	ND	ND	ND	ND	8.86	7.82	7.67	6.48	5.21	2.98	4.18	5.15	4.29	2.95	0.00	0.00	35.39	214.43	1.54	2.58	2.73	3.92	5.19	130.19	785.93
5/24/2021	3.76	3.56	4.71	ND	ND	ND	ND	8.96	7.91	7.91	6.51	5.20	3.06	4.24	5.20	4.35	3.20	0.00	0.00	36.41	250.85	1.44	2.49	2.49	3.89	5.20	126.52	912.45
5/25/2021	3.88	3.59	4.86	ND	ND	ND	ND	8.55	7.84	7.42	6.52	5.21	3.08	4.26	4.67	4.25	2.56	0.00	0.00	32.79	283.64	1.85	2.56	2.98	3.88	5.19	134.27	1046.72
5/26/2021	3.91	3.6	4.88	ND	ND	ND	ND	8.49	7.82	7.40	6.53	5.22	3.08	4.26	4.58	4.22	2.52	0.00	0.00	32.33	315.97	1.91	2.58	3.00	3.87	5.18	134.92	1181.63
5/27/2021	3.88	3.63	4.9	ND	ND	ND	ND	8.52	7.76	7.42	6.54	5.24	3.08	4.29	4.64	4.13	2.52	0.00	0.00	32.24	348.21	1.88	2.64	2.98	3.86	5.16	134.75	1316.39
6/1/2021	3.79	3.61	4.79	ND	ND	ND	ND	8.95	7.97	7.98	6.58	5.26	3.10	4.33	5.16	4.36	3.19	0.00	0.00	36.30	384.51	1.45	2.43	2.42	3.82	5.14	124.48	1440.87
6/2/2021	3.97	3.65	4.89	ND	ND	ND	ND	8.32	7.72	7.52	6.58	5.26	3.11	4.33	4.35	4.07	2.63	0.00	0.00	31.56	416.07	2.08	2.68	2.88	3.82	5.14	135.41	1576.27
6/3/2021	4.06	3.7	4.96	ND	ND	ND	ND	8.05	7.63	7.47	6.59	5.28	3.12	4.35	3.99	3.93	2.51	0.00	0.00	29.79	445.86	2.35	2.77	2.93	3.81	5.12	138.51	1714.78
6/7/2021	3.82	3.63	4.79	ND	ND	ND	ND	8.89	7.97	7.98	6.60	5.29	3.13	4.38	5.07	4.34	3.19	0.00	0.00	35.99	481.85	1.51	2.43	2.42	3.80	5.11	124.56	1839.34
6/8/2021	4.09	3.7	4.94	ND	ND	ND	ND	8.08	7.82	7.65	6.63	5.33	3.13	4.40	3.99	4.12	2.71	0.00	0.00	30.90	512.75	2.32	2.58	2.75	3.77	5.07	134.51	1973.85
6/9/2021	4.24	3.81	5.08	ND	ND	ND	ND	7.67	7.52	7.35	6.66	5.34	3.15	4.41	3.43	3.71	2.27	0.00	0.00	26.88	539.62	2.73	2.88	3.05	3.74	5.06	142.42	2116.27
6/10/2021	4.34	3.81	5.01	ND	ND	ND	ND	7.44	7.48	7.42	6.65	5.34	3.16	4.02	3.10	3.67	2.41	0.00	0.00	26.22	565.84	2.96	2.92	2.98	3.75	5.06	144.14	2260.41
6/14/2021	3.9	3.74	4.88	ND	ND	ND	ND	8.92	8.00	8.02	7.04	5.04	3.48	3.25	5.02	4.26	3.14	0.00	0.00	35.47	601.31	1.48	2.40	2.38	3.36	5.36	122.19	2382.60
6/15/2021	4.3	3.91	5.05	ND	ND	ND	ND	7.74	7.39	7.56	6.72	5.39	4.50	3.22	3.44	3.48	2.51	0.00	0.00	26.93	628.25	2.66	3.01	2.84	3.68	5.01	140.30	2522.90
6/16/2021	4.26	3.88	5.07	ND	ND	ND	ND	7.85	7.55	7.65	6.72	5.42	3.26	4.54	3.59	3.67	2.58	0.00	0.00	28.10	656.35	2.55	2.85	2.75	3.68	4.98	137.12	2660.02
6/17/2021	4.26	3.85	5.05	ND	ND	ND	ND	7.81	7.54	7.50	6.70	5.40	3.26	4.57	3.55	3.69	2.45	0.00	0.00	27.68	684.03	2.59	2.86	2.90	3.70	5.00	139.08	2799.10
6/21/2021	3.95	3.79	4.97	ND	ND	ND	ND	8.96	8.06	8.10	6.78	5.46	3.32	4.58	5.01	4.27	3.13	0.00	0.00	35.44	719.47	1.44	2.34	2.30	3.62	4.94	119.42	2918.52
6/22/2021	4.31	3.89	5.16	ND	ND	ND	ND	7.84	7.78	7.56	6.78	5.46	3.33	4.60	3.53	3.89	2.40	0.00	0.00	28.05	747.52	2.56	2.62	2.84	3.62	4.94	135.24	3053.77
6/23/2021	4.31	3.9	5.17	ND	ND	ND	ND	7.91	7.72	7.56	6.78	5.47	3.36	4.62	3.60	3.82	2.39	0.00	0.00	28.02	775.53	2.49	2.68	2.84	3.62	4.93	135.08	3188.85
6/24/2021	4.27	3.91	5.17	ND	ND	ND	ND	8.06	7.78	7.64	6.83	5.49	3.39	4.65	3.79	3.87	2.47	0.00	0.00	28.93	804.47	2.34	2.62	2.76	3.57	4.91	132.14	3320.99
6/28/2021	4.03	3.87	5.05	ND	ND	ND	ND	9.1	8.14	8.12	6.85	5.51	3.50	4.71	5.07	4.27	3.07	0.00	0.00	35.44	839.91	1.30	2.26	2.28	3.55	4.89	116.48	3437.47
6/29/2021	4.21	3.98	5.21	ND	ND	ND	ND	8.67	7.98	7.83	6.89	5.55	3.55	4.77	4.46	4.00	2.62	0.00	0.00	31.65	871.56	1.73	2.42	2.57	3.51	4.85	123.01	3560.48
6/30/2021	4.35	4.01	5.29	ND	ND	ND	ND	8.27	7.90	7.63	6.89	5.55	3.58	4.79	3.92	3.89	2.34	0.00	0.00	28.99	900.54	2.13	2.50	2.77	3.51	4.85	128.56	3689.04
7/1/2021	4.37	3.99	5.28	ND	ND	ND	ND	8.23	7.98	7.67	6.88	5.54	3.59	4.78	3.86	3.99	2.39	0.00	0.00	29.25	929.79	2.17	2.42	2.73	3.52	4.86	128.07	3817.10
7/6/2021	4.06	3.88	5.06	ND	ND	ND	ND	9.23	8.28	8.22	6.88	5.55	3.54	4.72	5.17	4.40	3.16	0.00	0.00	36.36	966.15	1.17	2.12	2.18	3.52	4.85	112.89	3930.00
7/7/2021	4.22	3.99	5.2	ND	ND	ND	ND	8.59	7.88	7.84	6.87	5.54	3.53	4.72	4.37	3.89	2.64	0.00	0.00	31.13	997.28	1.81	2.52	2.56	3.53	4.86	124.64	4054.64
7/8/2021	4.24	3.97	5.18	ND	ND	ND	ND	8.55	7.87	7.87	6.87	5.55	3.52	4.71	4.31	3.90	2.69	0.00	0.00	31.13	1028.41	1.85	2.53	2.53	3.53	4.85	124.72	4179.36
7/12/2021	4.09	3.92	5.11	ND	ND	ND	ND	9.17	8.28	8.31	6.92	5.59	3.54	4.75	5.08	4.36	3.20	0.00	0.00	36.10	1064.51	1.23	2.12	2.09	3.48	4.81	112.00	4291.36
7/13/2021	4.22	4.02	5.24	ND	ND	ND	ND	8.64	7.92	7.89	6.92	5.59	3.55	4.77	4.42	3.90	2.65	0.00	0.00	31.33	1095.84	1.76	2.48	2.51	3.48	4.81	122.68	4414.04
7/14/2021	4.28	4.07	5.26	ND	ND	ND	ND	8.6	7.93	7.93	6.94	5.61	3.59	4.80	4.32	3.86	2.67	0.00	0.00	30.99	1126.83	1.80	2.47	2.47	3.46	4.79	122.27	4536.31
7/15/2021	4.31	4.08	5.33	ND	ND	ND	ND	8.58	8.04	7.91	6.96	5.62	3.63	4.82	4.27	3.96	2.58	0.00	0.00	30.87	1157.70	1.82	2.36	2.49	3.44	4.78	121.46	4657.77
7/19/2021	4.18	4	5.18	ND	ND	ND	ND	9.28	8.27	8.21	6.98	5.69	3.68	4.86	5.10	4.27	3.03	0.00	0.00	35.42	1193.12	1.12	2.13	2.19	3.42	4.71	110.69	4768.47
7/20/2021	4.25	4.13	5.23	ND	ND	ND	ND	8.88	7.78	7.94	6.95	5.63	3.65	4.85	4.63	3.65	2.71	0.00	0.00	31.39	1224.51	1.52	2.62	2.46	3.45	4.77	120.89	4889.35

TABLE 4. SUMMARY OF BORROW PIT INTERIM MEASURE DATA
WESTERN REFINING SOUTHWEST, LLC
D/B/A MARATHON GALLUP REFINERY
GALLUP, NEW MEXICO

Date	Depth to SPH, ft							Depth to Water, ft							SPH Thickness, ft					Total gal/w, SPH*	Total Gal, SPH	Water Thickness, ft (Total Sump Depths Provided in Notes Section)					Total gal/w, Water*	Total Gal, Water
	S-1	S-2	S-3	S-4	S-5	PZ-1	PZ-2	S-1	S-2	S-3	S-4	S-5	PZ-1	PZ-2	S-1	S-2	S-3	S-4	S-5			S-1	S-2	S-3	S-4	S-5		
7/21/2021	4.3	4.18	5.3	ND	ND	ND	ND	8.68	7.64	7.94	6.97	5.65	3.65	4.84	4.38	3.46	2.64	0.00	0.00	29.93	1254.44	1.72	2.76	2.46	3.43	4.75	123.34	5012.69
7/22/2021	4.3	4.15	5.32	ND	ND	ND	ND	8.84	7.88	8.03	6.99	5.66	3.65	4.82	4.54	3.73	2.71	0.00	0.00	31.36	1285.80	1.56	2.52	2.37	3.41	4.74	119.09	5131.78
8/2/2021	4.02	3.56	5.06	ND	ND	ND	ND	8.96	8.04	8.02	6.81	5.51	3.20	4.02	4.94	4.48	2.96	0.00	0.00	35.36	1321.16	1.44	2.36	2.38	3.59	4.89	119.58	5251.36
8/3/2021	4.09	3.96	5.11	ND	ND	ND	ND	8.63	7.59	7.81	6.80	5.50	3.19	3.99	4.54	3.63	2.70	0.00	0.00	31.05	1352.20	1.77	2.81	2.59	3.60	4.90	127.82	5379.19
8/4/2021	4.1	3.98	5.1	ND	ND	ND	ND	8.57	7.56	7.78	6.78	5.48	3.16	3.99	4.47	3.58	2.68	0.00	0.00	30.65	1382.85	1.83	2.84	2.62	3.62	4.92	129.13	5508.31
8/5/2021	4.1	3.99	5.11	ND	ND	ND	ND	8.49	7.41	7.79	6.78	5.48	3.14	3.99	4.39	3.42	2.68	0.00	0.00	29.96	1412.81	1.91	2.99	2.61	3.62	4.92	130.92	5639.23
8/9/2021	3.99	3.8	4.96	ND	ND	ND	ND	8.76	7.87	8.04	6.73	5.45	3.05	3.97	4.77	4.07	3.08	0.00	0.00	34.04	1446.85	1.64	2.53	2.36	3.67	4.95	123.58	5762.81
8/10/2021	4.12	4.01	5.06	ND	ND	ND	ND	8.38	7.30	7.79	6.78	5.46	3.09	4.03	4.26	3.29	2.73	0.00	0.00	29.36	1476.21	2.02	3.10	2.61	3.62	4.94	132.88	5895.69
8/16/2021	3.99	3.79	4.98	ND	ND	ND	ND	8.75	7.87	8.00	6.74	5.46	3.07	3.96	4.76	4.08	3.02	0.00	0.00	33.87	1510.08	1.65	2.53	2.40	3.66	4.94	123.82	6019.52
8/17/2021	4.03	4.05	5.08	ND	ND	ND	ND	8.33	7.20	7.79	6.78	5.46	3.08	3.98	4.30	3.15	2.71	0.00	0.00	29.02	1539.10	2.07	3.20	2.61	3.62	4.94	134.10	6153.62
8/18/2021	4.23	4.04	5.11	ND	ND	ND	ND	7.99	7.19	7.69	6.76	5.45	3.09	4.00	3.76	3.15	2.58	0.00	0.00	27.10	1566.21	2.41	3.21	2.71	3.64	4.95	138.02	6291.64
8/19/2021	4.21	4.04	5.12	ND	ND	ND	ND	8.15	7.24	7.73	6.79	5.46	3.10	4.03	3.94	3.20	2.61	0.00	0.00	27.85	1594.05	2.25	3.16	2.67	3.61	4.94	135.65	6427.29
8/23/2021	4.05	3.91	5.08	ND	ND	ND	ND	8.74	7.80	7.97	6.82	5.49	3.19	4.15	4.69	3.89	2.89	0.00	0.00	32.76	1626.81	1.66	2.60	2.43	3.58	4.91	123.82	6551.11
8/24/2021	4.23	4.12	5.22	ND	ND	ND	ND	8.2	7.23	7.73	6.85	5.53	3.21	4.19	3.97	3.11	2.51	0.00	0.00	27.39	1654.20	2.20	3.17	2.67	3.55	4.87	134.27	6685.38
8/25/2021	4.3	4.16	5.2	ND	ND	ND	ND	8.15	7.21	7.71	6.85	5.53	3.22	4.23	3.85	3.05	2.51	0.00	0.00	26.88	1681.08	2.25	3.19	2.69	3.55	4.87	135.00	6820.38
8/26/2021	4.31	4.13	5.19	ND	ND	ND	ND	8.06	7.16	7.71	6.83	5.53	3.22	4.22	3.75	3.03	2.52	0.00	0.00	26.56	1707.64	2.34	3.24	2.69	3.57	4.87	136.30	6956.68
8/30/2021	4.11	3.96	5.16	ND	ND	ND	ND	8.81	7.82	8.03	6.86	5.55	3.29	4.32	4.70	3.86	2.87	0.00	0.00	32.64	1740.28	1.59	2.58	2.37	3.54	4.85	121.79	7078.47
8/31/2021	4.24	4.12	5.21	ND	ND	ND	ND	8.36	7.29	7.79	6.87	5.55	3.27	4.31	4.12	3.17	2.58	0.00	0.00	28.19	1768.47	2.04	3.11	2.61	3.53	4.85	131.66	7210.12
9/2/2021	4.19	4.09	5.22	ND	ND	ND	ND	8.73	7.59	8.00	6.91	5.57	3.30	4.33	4.54	3.50	2.78	0.00	0.00	30.90	1799.37	1.67	2.81	2.40	3.49	4.83	123.99	7334.11
9/7/2021	4.12	3.97	5.17	ND	ND	ND	ND	8.91	7.93	8.02	6.88	5.56	3.32	4.39	4.79	3.96	2.85	0.00	0.00	33.13	1832.51	1.49	2.47	2.38	3.52	4.84	119.91	7454.02
9/8/2021	4.28	4.17	5.25	ND	ND	ND	ND	8.47	7.37	7.83	6.91	5.58	3.34	4.42	4.19	3.20	2.58	0.00	0.00	28.47	1860.98	1.93	3.03	2.57	3.49	4.82	129.21	7583.23
9/9/2021	4.29	4.18	5.24	ND	ND	ND	ND	8.43	7.33	7.83	6.90	5.59	3.39	4.42	4.14	3.15	2.59	0.00	0.00	28.22	1889.20	1.97	3.07	2.57	3.50	4.81	129.86	7713.09
9/13/2021	4.16	4.02	5.18	ND	ND	ND	ND	8.93	7.90	8.11	6.93	5.62	3.38	4.49	4.77	3.88	2.93	0.00	0.00	33.07	1922.27	1.47	2.50	2.29	3.47	4.78	118.36	7831.45
9/14/2021	4.32	4.21	5.29	ND	ND	ND	ND	8.49	7.39	7.89	6.95	5.62	3.40	4.52	4.17	3.18	2.60	0.00	0.00	28.42	1950.69	1.91	3.01	2.51	3.45	4.78	127.74	7959.19
9/15/2021	4.32	4.23	5.3	ND	ND	ND	ND	8.54	7.36	7.89	6.97	5.64	3.45	4.56	4.22	3.13	2.59	0.00	0.00	28.39	1979.08	1.86	3.04	2.51	3.43	4.76	127.25	8086.44
9/16/2021	4.35	4.24	5.33	ND	ND	ND	ND	8.54	7.47	7.94	6.99	5.66	3.47	4.59	4.19	3.23	2.61	0.00	0.00	28.65	2007.72	1.86	2.93	2.46	3.41	4.74	125.62	8212.06
9/20/2021	4.27	4.1	5.25	6.99	ND	ND	ND	9.07	7.99	8.10	7.02	5.65	3.56	4.68	4.80	3.89	2.85	0.03	0.00	33.04	2040.77	1.33	2.41	2.30	3.38	4.75	115.59	8327.64
9/21/2021	4.42	4.34	5.43	7.05	ND	ND	ND	8.74	7.47	7.93	7.06	5.69	3.63	4.76	4.32	3.13	2.50	0.01	0.00	28.45	2069.22	1.66	2.93	2.47	3.34	4.71	123.25	8450.90
9/22/2021	4.36	4.27	5.4	7.03	ND	ND	ND	8.89	7.56	7.96	7.04	5.69	3.66	4.80	4.53	3.29	2.56	0.01	0.00	29.67	2098.89	1.51	2.84	2.44	3.36	4.71	121.21	8572.11
9/23/2021	4.51	4.33	5.38	ND	ND	ND	ND	8.77	7.45	7.85	7.01	5.68	3.66	4.79	4.26	3.12	2.47	0.00	0.00	28.13	2127.02	1.63	2.95	2.55	3.39	4.72	124.31	8696.42
9/28/2021	4.26	4.13	5.33	6.99	5.65	ND	ND	9.22	8.10	8.07	7.02	5.66	3.63	4.58	4.96	3.97	2.74	0.03	0.01	33.44	2160.47	1.18	2.30	2.33	3.38	4.74	113.63	8810.05
9/29/2021	4.37	4.33	5.4	ND	ND	ND	ND	8.91	7.52	7.92	7.03	5.67	3.63	4.54	4.54	3.19	2.52	0.00	0.00	29.27	2189.74	1.49	2.88	2.48	3.37	4.73	121.95	8932.00
10/4/2021	4.19	4.05	5.29	6.94	ND	ND	ND	9.09	8.02	7.93	6.95	5.58	3.47	4.30	4.90	3.97	2.64	0.01	0.00	32.90	2222.64	1.31	2.38	2.47	3.45	4.82	117.71	9049.71
10/5/2021	4.24	4.18	5.3	6.91	5.55	ND	ND	8.81	7.51	7.84	6.92	5.56	3.42	4.24	4.57	3.33	2.54	0.01	0.01	29.87	2252.52	1.59	2.89	2.56	3.48	4.84	125.29	9175.00
10/7/2021	4.16	4.01	5.19	6.83	ND	ND	ND	8.85	7.75	7.85	6.84	5.49	3.32	4.12	4.69	3.74	2.66	0.01	0.00	31.70	2284.22	1.55	2.65	2.55	3.56	4.91	124.15	9299.15
10/11/2021	4.08	3.89	5.09	ND	5.43	ND	ND	8.82	7.87	7.82	6.78	5.44	3.22	4.04	4.74	3.98	2.73	0.00	0.01	32.73	2316.95	1.58	2.53	2.58	3.62	4.96	124.56	9423.71
10/13/2021	4.14	3.93	5.17	ND	ND	ND	ND	8.74	7.73	7.80	6.81	5.45	3.26	4.09	4.60	3.80	2.63	0.00	0.00	31.50	2348.45	1.66	2.67	2.60	3.59	4.95	126.19	9549.90
10/14/2021	4.18	3.94	5.2	ND	ND	ND	ND	8.61	7.74	7.75	6.84	5.47	3.33	4.14	4.43	3.80	2.55	0.00	0.00	30.79	2379.24	1.79	2.66	2.65	3.56	4.93	127.17	9677.07

TABLE 4. SUMMARY OF BORROW PIT INTERIM MEASURE DATA
WESTERN REFINING SOUTHWEST, LLC
D/B/A MARATHON GALLUP REFINERY
GALLUP, NEW MEXICO

Date	Depth to SPH, ft							Depth to Water, ft							SPH Thickness, ft					Total gal/w, SPH*	Total Gal, SPH	Water Thickness, ft (Total Sump Depths Provided in Notes Section)					Total gal/w, Water*	Total Gal, Water
	S-1	S-2	S-3	S-4	S-5	PZ-1	PZ-2	S-1	S-2	S-3	S-4	S-5	PZ-1	PZ-2	S-1	S-2	S-3	S-4	S-5			S-1	S-2	S-3	S-4	S-5		
10/18/2021	4.17	3.99	5.1	ND	ND	ND	ND	8.76	7.76	7.80	6.80	5.45	3.34	4.12	4.59	3.77	2.70	0.00	0.00	31.59	2410.83	1.64	2.64	2.60	3.60	4.95	125.86	9802.93
10/19/2021	4.08	3.9	5.09	6.75	ND	ND	ND	8.79	7.83	7.78	6.77	5.42	3.26	4.13	4.71	3.93	2.69	0.02	0.00	32.42	2443.25	1.61	2.57	2.62	3.63	4.98	125.70	9928.63
10/20/2021	4.19	3.96	5.16	6.78	ND	ND	ND	8.59	7.76	7.69	6.80	5.44	3.28	4.17	4.40	3.80	2.53	0.02	0.00	30.70	2473.95	1.81	2.64	2.71	3.60	4.96	128.23	10056.86
10/21/2021	4.2	3.96	5.18	6.79	ND	ND	ND	8.55	7.79	7.69	6.81	5.43	3.29	4.20	4.35	3.83	2.51	0.02	0.00	30.59	2504.54	1.85	2.61	2.71	3.59	4.97	128.31	10185.17
10/25/2021	4.1	3.89	5.11	6.72	ND	ND	ND	8.73	7.79	7.74	6.78	5.39	3.24	4.21	4.63	3.90	2.63	0.06	0.00	32.04	2536.58	1.67	2.61	2.66	3.62	5.01	127.01	10312.18
10/28/2021	4.22	3.97	5.22	6.76	ND	ND	ND	8.53	7.71	7.66	6.84	5.42	3.31	4.35	4.31	3.74	2.44	0.08	0.00	30.19	2566.77	1.87	2.69	2.74	3.56	4.98	129.21	10441.39
11/1/2021	4.13	3.92	5.12	6.70	ND	ND	ND	8.71	7.76	7.68	6.89	5.38	3.30	4.33	4.58	3.84	2.56	0.19	0.00	31.90	2598.67	1.69	2.64	2.72	3.51	5.02	127.09	10568.47
11/2/2021	4.2	3.96	5.17	6.71	ND	ND	ND	8.51	7.70	7.65	6.89	5.38	3.30	4.34	4.31	3.74	2.48	0.18	0.00	30.59	2629.26	1.89	2.70	2.75	3.51	5.02	129.45	10697.93
11/3/2021	4.2	3.91	5.17	6.72	ND	ND	ND	8.49	7.65	7.63	6.90	5.39	3.30	4.36	4.29	3.74	2.46	0.18	0.00	30.47	2659.73	1.91	2.75	2.77	3.50	5.01	130.02	10827.95
11/4/2021	4.23	3.96	5.17	6.72	ND	ND	ND	8.4	7.73	7.59	6.90	5.40	3.31	4.38	4.17	3.77	2.42	0.18	0.00	30.10	2689.84	2.00	2.67	2.81	3.50	5.00	130.35	10958.30
11/8/2021	4.11	3.92	5.12	6.65	ND	ND	ND	8.69	7.72	7.65	6.98	5.39	3.31	4.39	4.58	3.80	2.53	0.33	0.00	32.10	2721.94	1.71	2.68	2.75	3.42	5.01	127.01	11085.31
11/9/2021	4.21	3.96	5.17	6.69	ND	ND	ND	8.45	7.65	7.59	6.96	5.39	3.32	4.41	4.24	3.69	2.42	0.27	0.00	30.33	2752.27	1.95	2.75	2.81	3.44	5.01	130.19	11215.49
11/10/2021	4.21	3.96	5.16	6.69	ND	ND	ND	8.45	7.79	7.59	6.94	5.38	3.32	4.40	4.24	3.83	2.43	0.25	0.00	30.70	2782.97	1.95	2.61	2.81	3.46	5.02	129.29	11344.78
11/11/2021	4.26	3.98	5.22	6.72	ND	ND	ND	8.41	7.72	7.59	6.93	5.38	3.34	4.44	4.15	3.74	2.37	0.21	0.00	29.90	2812.88	1.99	2.68	2.81	3.47	5.02	130.27	11475.05
11/15/2021	4.18	3.98	5.18	6.67	ND	ND	ND	8.70	7.77	7.64	7.08	5.39	3.38	4.50	4.52	3.79	2.46	0.41	0.00	31.93	2844.81	1.70	2.63	2.76	3.32	5.01	125.78	11600.83
11/16/2021	4.23	3.97	5.2	6.67	ND	ND	ND	8.47	7.73	7.59	6.99	5.37	3.37	4.48	4.24	3.76	2.39	0.32	0.00	30.59	2875.40	1.93	2.67	2.81	3.41	5.03	129.29	11730.12
11/17/2021	4.27	3.99	5.2	6.70	ND	ND	ND	8.42	7.70	7.56	6.99	5.38	3.38	4.49	4.15	3.71	2.36	0.29	0.00	30.02	2905.41	1.98	2.70	2.84	3.41	5.02	130.11	11860.23
11/18/2021	4.29	4.03	5.27	6.74	ND	ND	ND	8.45	7.71	7.60	7.02	5.41	3.42	4.53	4.16	3.68	2.33	0.28	0.00	29.85	2935.26	1.95	2.69	2.80	3.38	4.99	128.96	11989.19
11/22/2021	4.25	3.99	5.21	6.70	ND	ND	ND	8.75	7.72	7.61	7.11	5.40	3.45	4.58	4.50	3.73	2.40	0.41	0.00	31.53	2966.79	1.65	2.68	2.79	3.29	5.00	125.70	12114.89
11/23/2021	4.26	4.00	5.23	6.69	ND	ND	ND	8.51	7.71	7.59	7.08	5.40	3.43	4.55	4.25	3.71	2.36	0.39	0.00	30.59	2997.38	1.89	2.69	2.81	3.32	5.00	128.15	12243.04
11/29/2021	4.19	3.99	5.18	6.60	ND	ND	ND	8.79	7.73	7.56	7.16	5.35	3.46	4.59	4.60	3.74	2.38	0.56	0.00			1.61	2.67	2.84	3.24	5.05		
11/30/2021	4.31	4.02	5.23	6.66	ND	ND	ND	8.46	7.62	7.50	7.06	5.37	3.46	4.59	4.15	3.60	2.27	0.40	0.00			1.94	2.78	2.90	3.34	5.03		
12/1/2021	4.30	4.03	5.23	6.69	ND	ND	ND	8.50	7.64	7.51	7.05	5.38	3.46	4.60	4.20	3.61	2.28	0.36	0.00			1.90	2.76	2.89	3.35	5.02		
12/2/2021	4.27	4.01	5.22	6.68	ND	ND	ND	8.46	7.69	7.48	6.98	5.37	3.45	4.59	4.19	3.68	2.26	0.30	0.00			1.94	2.71	2.92	3.42	5.03		
12/6/2021	4.16	3.95	5.17	6.60	ND	ND	ND	8.69	7.70	7.54	7.11	5.33	3.40	4.55	4.53	3.75	2.37	0.51	0.00	51.80	3049.18	1.71	2.70	2.86	3.29	5.07	136.90	12379.94
12/7/2021	4.24	3.92	5.18	6.62	ND	ND	ND	8.46	7.70	7.47	7.00	5.33	3.40	4.55	4.22	3.78	2.29	0.38	0.00			1.94	2.70	2.93	3.40	5.07		
12/8/2021	4.27	3.99	5.21	6.64	ND	ND	ND	8.36	7.58	7.47	6.98	5.33	3.40	4.56	4.09	3.59	2.26	0.34	0.00			2.04	2.82	2.93	3.42	5.07		
12/9/2021	4.27	3.99	5.19	6.64	ND	ND	ND	8.31	7.54	7.44	6.93	5.32	3.39	4.53	4.04	3.55	2.25	0.29	0.00			2.09	2.86	2.96	3.47	5.08		
12/13/2021	4.20	3.98	5.18	6.60	ND	ND	ND	8.64	7.68	7.48	7.14	5.34	3.43	4.63	4.44	3.70	2.30	0.54	0.00	51.80	3100.98	1.76	2.72	2.92	3.26	5.06	173.90	12553.84
12/14/2021	4.32	4.01	5.24	6.30	ND	ND	ND	8.31	7.63	7.42	7.03	5.35	3.45	4.63	3.99	3.62	2.18	0.73	0.00			2.09	2.77	2.98	3.37	5.05		
12/16/2021	4.21	3.98	5.17	6.60	ND	ND	ND	8.55	7.65	7.45	7.03	5.32	3.42	4.56	4.34	3.67	2.28	0.43	0.00			1.85	2.75	2.95	3.37	5.08		
12/20/2021	4.22	4.00	5.23	6.58	ND	ND	ND	8.65	7.69	7.48	7.23	5.35	3.46	4.66	4.43	3.69	2.25	0.65	0.00	40.70	3141.68	1.75	2.71	2.92	3.17	5.05	92.50	12646.34
12/21/2021	4.28	4.01	5.27	6.64	ND	ND	ND	8.42	7.72	7.40	7.10	5.35	3.49	4.69	4.14	3.71	2.13	0.46	0.00			1.98	2.68	3.00	3.30	5.05		
12/22/2021	4.37	4.04	5.28	6.67	ND	ND	ND	8.25	7.64	7.36	7.04	5.36	3.48	4.67	3.88	3.60	2.08	0.37	0.00	37.00	3178.68	2.15	2.76	3.04	3.36	5.04	99.90	12746.24

TABLE 4. SUMMARY OF BORROW PIT INTERIM MEASURE DATA
WESTERN REFINING SOUTHWEST, LLC
D/B/A MARATHON GALLUP REFINERY
GALLUP, NEW MEXICO

Date	Depth to SPH, ft							Depth to Water, ft							SPH Thickness, ft					Total gal/w, SPH*	Total Gal, SPH	Water Thickness, ft (Total Sump Depths Provided in Notes Section)					Total gal/w, Water*	Total Gal, Water
	S-1	S-2	S-3	S-4	S-5	PZ-1	PZ-2	S-1	S-2	S-3	S-4	S-5	PZ-1	PZ-2	S-1	S-2	S-3	S-4	S-5			S-1	S-2	S-3	S-4	S-5		
Change	0.81	0.63	0.78	-0.32	NA	NA	NA	-0.68	-0.07	-0.58	0.68	-0.48	0.67	0.68	-1.49	-0.70	-1.36	0.37	0.00	NA	NA	0.68	0.07	0.58	-0.68	0.48	-24.25	NA

(5/10/21-11/30/21)

Notes:

w- week

gal - gallons

*estimated gal/day based on fluid levels from 5/10/21 through 11/23/21. After 11/23/21, total fluids were placed in a tote and calculated weekly, 1 inch = 7.4 gal

NA - not applicable

ND - not detected

SPH - separate phase hydrocarbon

ft - feet

Total depth of sumps:

S-1 = 10.4 ft, S-2 = 8 ft, S-3 = 8 ft, S-4 = 8 ft, S-5 = 8 ft

ATTACHMENT A

New Mexico Environment Department to Western Refining Southwest LLC Comment Letter “Approval with Modifications Hydrocarbon Seep Interim Measures 2021 Third Quarter Status Report” (January 24, 2021)

New Mexico Environment Department (NMED) Comment	Marathon Gallup Refinery Response
Comment 1:	Response 1:
In the Fluids Recovery section, page 3 of 96, paragraph 2 of the electronic copy of the Report, the Permittee states, “[a] total of 233 [gallons (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.” The thickness of separate phase hydrocarbons (SPH) in well MKTF—33 notably increased from 0.05 to 5.20 feet after the July 2021 SPH recovery event was conducted according to Table 3A (July Vacuum Truck Extractions — MKTF Wells). The thickness of SPH in the same well (MKTF-33) decreased from 0.18 to 0.01 feet after the September 2021 SPH recovery event was conducted according to Table 3E (September Vacuum Truck Extractions — MKTF Wells). Provide a discussion regarding the accuracy of the July 2021 measurement relative to the September 2021 measurement in the fourth quarter status report. If the data is verified to be accurate, it appears that the SPH may have mobilized at the time of the vacuum truck extracted SPH from well MKTF-33 between the July 2021 and September 2021 events and the mobilized SPH should have been captured. If a similar phenomenon is observed in the future, continue to recover SPH until the SPH thickness returns a thickness similar to originally observed SPH levels.	The Table 3A (July Vacuum Truck Extractions – MKTF Wells) had an error in the MKTF-33 Post Recovery Depth to Water column. The post-recovery water fluid level has been revised from 29.10 feet (ft) to 23.91 ft resulting in a revised product thickness equaling 0.01 ft (from 5.20 ft). A replacement page for the corrected table is provided with this response.

New Mexico Environment Department to Western Refining Southwest LLC Comment Letter “Approval with Modifications Hydrocarbon Seep Interim Measures 2021 Third Quarter Status Report” (January 24, 2021)

New Mexico Environment Department (NMED) Comment	Marathon Gallup Refinery Response
Comment 2:	Response 2:
In the Investigations, Sour Naphtha Investigation section, page 3 of 96, bullet 1 of the electronic copy of the Report, the Permittee states, “[t]he Sour Naphtha Investigation Work Plan (IWP) was submitted to NMED on September 23, 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.” NMED issued the Disapproval Sour Naphtha Release Investigation Work Plan on November 30, 2021 and directed the Permittee to submit a revised Investigation Work Plan no later than April 4, 2022. This comment serves as a reminder. No response is required.	The comment is acknowledged. The revised Sour Naphtha Investigation Work Plan will be submitted to NMED no later than April 4, 2022.
Comment 3:	Response 3:
In the Investigations, AOC 35 section, page 4 of 96, bullet 2 of the electronic copy of the Report, the Permittee states, “[t]he revised ADC 35 IWP was submitted to NMED on September 1, 2021. The investigation will be completed within 60 days after receiving NMED approval.” NMED issued the Disapproval Revised Investigation Work Plan No. 2 Area of Concern 35 on October 22, 2021 and directed the Permittee to submit a revised Investigation Work Plan no later than March 31, 2022. This comment serves as a reminder. No response is required.	The comment is acknowledged. The Revised Investigation Work Plan No. 2 Area of Concern 35 will be submitted to NMED no later than March 31, 2022.

New Mexico Environment Department to Western Refining Southwest LLC Comment Letter “Approval with Modifications Hydrocarbon Seep Interim Measures 2021 Third Quarter Status Report” (January 24, 2021)

New Mexico Environment Department (NMED) Comment	Marathon Gallup Refinery 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.”

REPLACEMENT PAGE

**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	23.91	Post Recovery	0.01							
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

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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 85776

CONDITIONS

Operator: Western Refining Southwest LLC 539 South Main Street Findlay, OH 45840	OGRID: 267595
	Action Number: 85776
	Action Type: [UF-DP] Discharge Permit (DISCHARGE PERMIT)

CONDITIONS

Created By	Condition	Condition Date
jburdine	Accepted for Record Retention Purposes-Only	11/23/2022