

**Western Refining Southwest LLC**

A subsidiary of Marathon Petroleum Corporation

I-40 Exit 39

Jamestown, NM 87347

July 25, 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 2022 Second 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 second quarter of 2022 for the Marathon Gallup Refinery. 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 Fourth Quarter Status Report*, dated June 30, 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
L. Barr OCD
K. Luka, MPC
H. Jones, Trihydro Corporation

M. Suzuki, NMED HWB
M. Bracey, MPC
J. Moore, Gallup Refinery

**QUARTERLY STATUS REPORT
HYDROCARBON SEEP INTERIM MEASURES
WESTERN REFINING SOUTHWEST LLC
D/B/A MARATHON GALLUP REFINERY
2nd Quarter 2022**

This document provides the 2nd Quarter 2022 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 2nd quarter of 2022. Activities and observations of note for the Hydrocarbon Seep Area include:

- There were 15,400 gallons (gals) of water and no measurable SPH recovered from the standpipe sumps (S1 – S6) during the 2nd 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.

Monthly Fluid Levels

Monthly fluid level data for the MKTF and refinery areas are found in Tables 2A and 2B. Compared to the 1st quarter of 2022, there was a decreasing fluid level trend in MKTF wells upgradient of the Hydrocarbon Seep area, with fluid levels decreasing an approximate average of 0.28 feet (ft). The maximum decrease in fluid level in this area was MKTF-08 (-1.38 ft). Some wells in the area of the Hydrocarbon Seeps did increase. With the exception of MKTF-13, which increased by 0.63 ft, all fluid level increases were less than 0.22 ft. Replacement wells MKTF-01R, MKTF-02R, and MKTF-04R had measurable product for the first time, which was anticipated as the wells they replaced consistently had measurable product in them. Wells MKTF-24, MKTF-25, and MKTF-42 exhibited measurable product for the first time during the 2nd quarter, all with a thickness of 0.02 ft. MKTF-24 and MKTF-25 are downgradient of the Hydrocarbon Seep Area and MKTF-42 is downgradient of the Borrow Pit Seep Area.

Fluid Recovery

Fluid recovery in MKTF wells upgradient of the Hydrocarbon Seep Area, with recoverable SPH, continued during the 2nd Quarter of 2022 using a vacuum truck. A total of 249 gals of water and 39 gals of SPH were extracted in the 2nd 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.

Fluid recovery was conducted at the listed wells: MKTF-5, MKTF-6, MKTF-7, MKTF-8, MKTF-13, MKTF-14, MKTF-17R, MKTF-20, MKTF-22, MKTF-26, MKTF-33, MKTF-39, MKTF-45, MKTF-49, OW-61, OW-65, RW-1, RW-2R, RW-5, and RW-6. These wells were chosen for fluid recovery based on historical and persistent presence of recoverable SPH, exceptions being MKTF-17R, MKTF-39, MKTF-49, and RW-2R. Fluid recovery in MKTF-17R was conducted based on the historical presence of SPH in MKTF-17 prior to it being plugged and abandoned. MKTF-39 and MKTF-49 recovery efforts began when SPH thickness exceeded 1 ft during the 3rd quarter of 2021. RW-2R extraction efforts are based on SPH presence since installation and the historical SPH presence in RW-2 prior to it being plugged and abandoned.

As noted in NMED in *Approval with Modifications, Hydrocarbon Seep IM 2021 Fourth Quarter Status Report*, Comment #3, there has been fluid extraction from wells that did not contain SPH at the time of extraction. During future events, there will be no fluid extraction from wells if there is no SPH detected.

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.

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 visually inspected monthly for indications of SPH (Figure 2). The water seep area was inspected each month in the 2nd quarter and was found to be dry and had no evidence of SPH.

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 observed in the area (Figure 2). Vacuum-truck fluid recovery from these sumps began on May 10, 2021. An additional 3 sumps and an additional 2 piezometers were installed in January 2022 (Figure 2). Fluid recovery from the additional sumps, S-6, S-7, and S-8, began on January 10, 2022. Fluid recovery from the sumps is conducted four days a week, weather permitting. Sumps S-1, S-2, and S-3 have contained measurable SPH since installation on April 16, 2021. The additional sumps, S-6 and S-7, and piezometers, PZ-3 and PZ-4, have contained measurable SPH since installation on January 24, 2022. 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 4A). SPH in S-4 has been decreasing in thickness during the 2nd quarter, from 0.14 ft (March 31, 2022) to 0.02 ft (June 30, 2022). There was no SPH detected in S-5 during the 2nd quarter of 2021. SPH was first detected in S-8 on February 8, 2022, and has have been detected sporadically since that time with a maximum thickness of 0.08 ft. No SPH has been detected in PZ-1 or PZ-2 since installation. An estimated total of 244 gals of SPH and 2,013 gals of water were recovered in the 2nd quarter (Table 4B). Prior to November 23, 2021, fluid recovery estimates were based on sump depths, widths, and fluid level data. This data has been removed from the report as requested by NMED in *Approval with Modifications, Hydrocarbon Seep IM 2021 Fourth*

Quarter Status Report, comment #4. 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.

3rd Quarter 2022 IM Activities

Following is a list of activities that are associated with ongoing IM activities to be completed in the 3rd Quarter 2022.

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

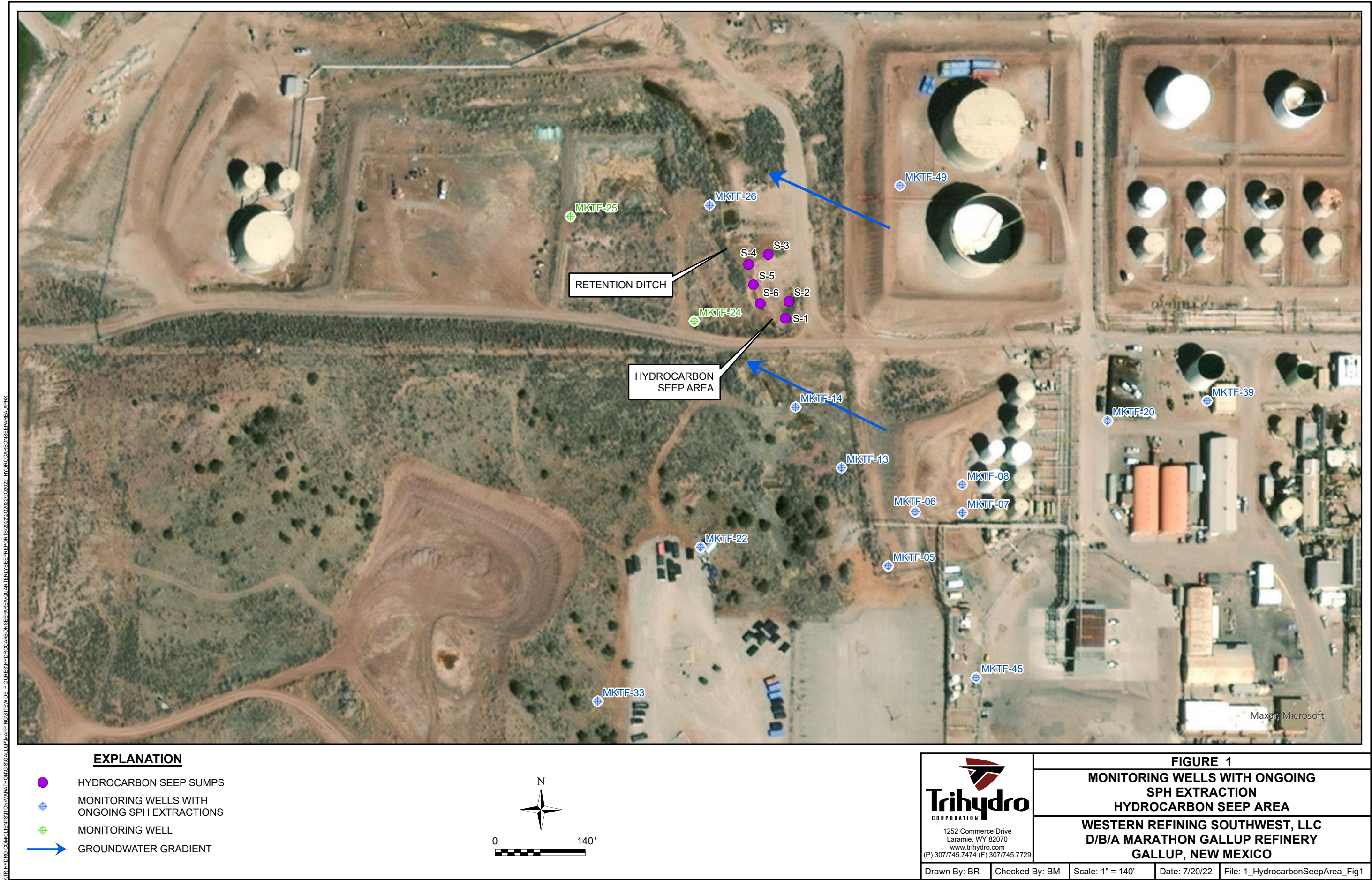
Hydrocarbon Seep Area - Source Control - MGR will continue recovery operations at the standpipe sumps and the retention ditch using a vacuum truck to pump SPH and water from each of the sumps and the downstream retention ditch (when fluid is present in the retention ditch). The fluid volumes in the standpipe 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, including the additional sumps, at a rate of four times per week (weather permitting).

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

- **Sour Naphtha Investigation** - The Sour Naphtha Investigation was conducted during the week of May 16, 2022, to investigate the extent of impacts from the March 26, 2017, sour naphtha release. The Sour Naphtha Investigation Report will be submitted to NMED by October 12, 2022.
- **The Heat Exchanger Bundle Pad** – The Heat Exchanger Bundle Pad Investigation was conducted the week of May 16, 2022, to determine the source of benzene exceedances found in MKTF-16. The Heat Exchanger Bundle Pad Investigation Report will be submitted by October 5, 2022.
- **AOC 35** - An Investigation Work Plan (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 was submitted to NMED on April 11, 2022.

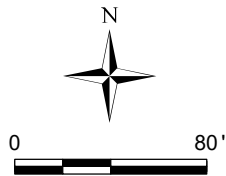
FIGURES





EXPLANATION

- ⊕ EXISTING SUMP LOCATION
- ⊕ NEW SUMP LOCATION
- ⊕ MONITORING WELL LOCATION
- ⊕ EXISTING PIEZOMETER LOCATION
- ⊕ NEW PIEZOMETER LOCATION
- ▭ SITE FEATURE



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

FIGURE 2

BORROW PIT SUMPS

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

Drawn By: BR Checked By: MS Scale: 1" = 80' Date: 4/11/22 File: 2_SumpPiez_BorrowPit_Fig2.mxd

\\TRIH\HYDRO\COM\CLIENTS\ON\MARATHON\GALLUP\WAPPING\GIS\STEWIDE\FIGURES\HYDROCARBON\SEEP\AREA\QUARTERLY\SEEP\REPORTS\2021\4Q2021\2_SUMPIEZ_BORROWPIT_FIG2.MXD

M:\TON\MARATHON\CADD\GALLUP\REPORTS\SWMU\SWMU3_HXBUNDLEPAD\697-BP-SOILLOCS-202207



Image Cite: USDA /fsa - Aerial Photography Field Office, NAIP MrSID - Publication: 2014

2 SOIL BORING LOCATIONS
SCALE: 1" = 30'



Image Cite: USDA /fsa - Aerial Photography Field Office, NAIP MrSID - Publication: 2014

1 KEY MAP
SCALE: 1" = 800'

EXPLANATION

- MKTF-16 CHINLE/ALLUVIUM INTERFACE WELL AND DESIGNATION
- BUNDLE PAD INVESTIGATION SOIL BORING LOCATION
- MANHOLE LOCATION
- PROCESS SEWER LINE
- BUNDLE PAD SUMP
- TANK

 1252 Commerce Drive Laramie, Wyoming 82070 www.trihydro.com (P) 307/745.7474 (F) 307/745.7729	FIGURE 3			
	HEAT EXCHANGER BUNDLE PAD INVESTIGATION SOIL BORING LOCATIONS			
	WESTERN REFINING SOUTHWEST, LLC MARATHON GALLUP REFINERY GALLUP, NEW MEXICO			
Drawn By: REP	Checked By: JH	Scale: AS SHOWN	Date: 1/12/22	File: 697-BP-SOILLOCS-202207



Image Cite: USDA /fsa - Aerial Photography Field Office, NAIP MrSID - Publication: 2014

2 SOIL BORING LOCATIONS
SCALE: 1" = 60'

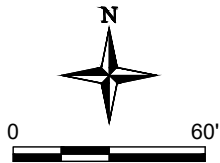
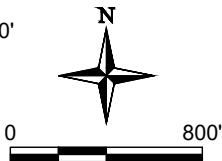


Image Cite: USDA /fsa - Aerial Photography Field Office, NAIP MrSID - Publication: 2014

1 KEY MAP
SCALE: 1" = 800'



EXPLANATION

- TANK
- SOUR NAPHTHA RELEASE
- UNDERGROUND PRODUCT PIPELINE
- SOUR NAPHTHA RELEASE EXCAVATION EXTENT AREA
- MKTF-LIF-66 LIF BORING LOCATION AND DESIGNATION
- MKTF-16 CHINLE/ALLUVIUM INTERFACE WELL AND DESIGNATION
- HISTORICAL SOIL SAMPLE LOCATION
- SOIL BORING LOCATION
- EVACUATION BACKFILL SAMPLE
- LIF LASER-INDUCED FLORESCENCE



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

FIGURE 4

SOUR NAPHTHA RELEASE INVESTIGATION
SOIL BORING LOCATIONS

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

Drawn By: REP Checked By: CF Scale: AS SHOWN Date: 12/22/21 File: 697-SOURNAPHTHARELEASE-202207

N:\ITON\MARATHON\CADD\GALLUP\REPORTS\RELEASES\SOURNAPHTHARELEASE\697-SOURNAPHTHARELEASE-202207

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
2020 Totals	-	7,500	7,500
2021 Totals	-	55,450	55,450
2022 Recovery Volumes			
1/12/2022	-	4,000	4,000
2/8/2022	-	4,200	4,200
3/9/2022	-	6,000	6,000
1st Quarter 2022 Totals	-	14,200	14,200
4/20/2022	-	5,900	5,900
5/10/2022	-	5,000	5,000
6/27/2022	-	4,500	4,500
2nd Quarter 2022 Totals	-	15,400	15,400
Project Totals	19,009	1,801,113	1,820,124

**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
2020 Totals	1	200	2
2021 Totals	Dry	Dry	Dry
1st Quarter 2022 Totals	Dry	Dry	Dry
2st Quarter 2022 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) ¹	SPH Column Thickness (ft)	Depth to Water (ft) ¹	Ground-water Elevation (ft)	Corrected Water Table ² Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
MKTF-01	01/28/21	4.00	17.43	5.21	0.48	5.69	6,912.59	6912.97	5 - 15	Chinle/Alluvium Interface
MKTF-01	02/28/21	4.00	17.45	3.31	0.23	3.54	6,914.74	6914.92	5 - 15	Chinle/Alluvium Interface
MKTF-01	03/31/21	4.00	17.45	3.70	0.24	3.94	6,914.34	6914.53	5 - 15	Chinle/Alluvium Interface
MKTF-01	04/26/21	4.00	17.45	3.49	0.34	3.83	6,914.45	6914.72	5 - 15	Chinle/Alluvium Interface
MKTF-01	05/20/21	4.00	17.45	4.02	0.36	4.38	6,913.90	6914.19	5 - 15	Chinle/Alluvium Interface
MKTF-01	06/01/21	4.00	17.38	3.42	0.31	3.73	6,914.55	6914.80	5 - 15	Chinle/Alluvium Interface
MKTF-01	07/06/21	4.00	17.38	3.35	0.44	3.79	6,914.49	6914.84	5 - 15	Chinle/Alluvium Interface
MKTF-01R	08/31/21	4.00	18.00	ND	NA	3.60	6,918.22	NA	3 - 18	Chinle/Alluvium Interface
MKTF-01R	09/09/21	4.00	18.00	ND	NA	3.72	6,918.10	NA	3 - 18	Chinle/Alluvium Interface
MKTF-01R	10/27/21	4.00	18.00	ND	NA	3.92	6,917.90	NA	3 - 18	Chinle/Alluvium Interface
MKTF-01R	11/17/21	4.00	18.00	ND	NA	3.81	6,918.01	NA	3 - 18	Chinle/Alluvium Interface
MKTF-01R	12/03/21	4.00	18.10	ND	NA	3.55	6,918.27	NA	3 - 18	Chinle/Alluvium Interface
MKTF-01R	01/28/22	4.00	18.10	ND	NA	3.50	6,918.32	NA	3 - 18	Chinle/Alluvium Interface
MKTF-01R	02/28/22	4.00	18.10	ND	NA	3.60	6,918.22	NA	3 - 18	Chinle/Alluvium Interface
MKTF-01R	03/01/22	4.00	18.11	ND	NA	3.56	6,918.26	NA	3 - 18	Chinle/Alluvium Interface
MKTF-01R	04/27/22	4.00	18.11	ND	NA	3.50	6,918.32	NA	3 - 18	Chinle/Alluvium Interface
MKTF-01R	05/05/22	4.00	18.11	ND	NA	3.51	6,918.33	NA	3 - 18	Chinle/Alluvium Interface
MKTF-01R	06/01/22	4.00	18.11	3.50	0.03	3.53	6,918.29	6918.31	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) ¹	SPH Column Thickness (ft)	Depth to Water (ft) ¹	Ground-water Elevation (ft)	Corrected Water Table ² Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
MKTF-02	01/28/21	4.00	20.54	ND	NA	5.30	6,909.70	NA	7 - 17	Chinle/Alluvium Interface
MKTF-02	02/28/21	4.00	20.54	ND	NA	4.69	6,910.31	NA	7 - 17	Chinle/Alluvium Interface
MKTF-02	03/31/21	4.00	20.54	ND	NA	5.39	6,909.61	NA	7 - 17	Chinle/Alluvium Interface
MKTF-02	04/26/21	4.00	20.54	ND	NA	5.33	6,909.67	NA	7 - 17	Chinle/Alluvium Interface
MKTF-02	05/20/21	4.00	20.54	ND	NA	5.66	6,909.34	NA	7 - 17	Chinle/Alluvium Interface
MKTF-02	06/01/21	4.00	20.54	ND	NA	5.57	6,909.43	NA	7 - 17	Chinle/Alluvium Interface
MKTF-02	07/06/21	4.00	20.54	ND	NA	5.63	6,909.37	NA	7 - 17	Chinle/Alluvium Interface
MKTF-02R	08/31/21	4.00	21.50	ND	NA	13.63	6,906.83	NA	6.5 - 21.5	Chinle/Alluvium Interface
MKTF-02R	09/17/21	4.00	21.50	ND	NA	14.11	6,906.35	NA	6.5 - 21.5	Chinle/Alluvium Interface
MKTF-02R	10/27/21	4.00	21.50	ND	NA	10.48	6,909.98	NA	6.5 - 21.5	Chinle/Alluvium Interface
MKTF-02R	11/17/21	4.00	21.50	ND	NA	9.01	6,911.45	NA	6.5 - 21.5	Chinle/Alluvium Interface
MKTF-02R	12/15/21	4.00	21.49	ND	NA	7.71	6,912.75	NA	6.5 - 21.5	Chinle/Alluvium Interface
MKTF-02R	01/10/22	4.00	21.49	ND	NA	7.68	6,912.78	NA	6.5 - 21.5	Chinle/Alluvium Interface
MKTF-02R	02/28/22	4.00	21.49	ND	NA	7.63	6,912.83	NA	6.5 - 21.5	Chinle/Alluvium Interface
MKTF-02R	03/02/22	4.00	21.49	ND	NA	7.73	6,912.73	NA	6.5 - 21.5	Chinle/Alluvium Interface
MKTF-02R	04/27/22	4.00	21.49	ND	NA	7.75	6,912.71	NA	6.5 - 21.5	Chinle/Alluvium Interface
MKTF-02R	05/05/22	4.00	21.49	ND	NA	7.76	6,912.70	NA	6.5 - 21.5	Chinle/Alluvium Interface
MKTF-02R	06/01/22	4.00	21.50	7.70	0.02	7.72	6,912.74	6912.76	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) ¹	SPH Column Thickness (ft)	Depth to Water (ft) ¹	Ground-water Elevation (ft)	Corrected Water Table ² Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
MKTF-03	01/28/21	4.00	18.57	7.84	0.93	8.77	6,922.96	6923.70	3 - 18	Chinle/Alluvium Interface
MKTF-03	02/28/21	4.00	18.62	7.50	0.93	8.43	6,923.30	6924.04	3 - 18	Chinle/Alluvium Interface
MKTF-03	03/31/21	4.00	18.62	7.24	1.03	8.27	6,923.46	6924.28	3 - 18	Chinle/Alluvium Interface
MKTF-03	04/26/21	4.00	18.62	7.15	0.80	7.95	6,923.78	6924.42	3 - 18	Chinle/Alluvium Interface
MKTF-03	05/20/21	4.00	18.62	7.32	1.09	8.41	6,923.32	6924.19	3 - 18	Chinle/Alluvium Interface
MKTF-03	06/01/21	4.00	18.62	7.37	1.13	8.50	6,923.23	6924.13	3 - 18	Chinle/Alluvium Interface
MKTF-03	07/06/21	4.00	18.62	7.49	0.88	8.37	6,923.36	6924.06	3 - 18	Chinle/Alluvium Interface
MKTF-03	08/25/21	4.00	18.62	7.79	1.25	9.04	6,922.69	6923.69	3 - 18	Chinle/Alluvium Interface
MKTF-03	09/09/21	4.00	18.62	7.37	1.13	8.50	6,923.23	6924.13	3 - 18	Chinle/Alluvium Interface
MKTF-03	10/27/21	4.00	18.62	7.44	1.86	9.30	6,922.43	6923.92	3 - 18	Chinle/Alluvium Interface
MKTF-03	11/17/21	4.00	18.62	7.59	1.65	9.24	6,922.49	6923.81	3 - 18	Chinle/Alluvium Interface
MKTF-03	12/15/21	4.00	18.62	7.71	1.26	8.97	6,922.76	6923.77	3 - 18	Chinle/Alluvium Interface
MKTF-03	01/10/22	4.00	18.62	7.04	1.31	8.35	6,923.38	6924.43	3 - 18	Chinle/Alluvium Interface
MKTF-03	02/28/22	4.00	18.62	7.79	1.25	9.04	6,922.69	6923.69	3 - 18	Chinle/Alluvium Interface
MKTF-03	03/02/22	4.00	18.64	7.74	1.20	8.94	6,922.79	6923.75	3 - 18	Chinle/Alluvium Interface
MKTF-03	04/27/22	4.00	18.62	7.74	1.20	8.94	6,922.79	6923.75	3 - 18	Chinle/Alluvium Interface
MKTF-03	05/05/22	4.00	18.62	7.72	1.17	8.89	6,922.84	6923.78	3 - 18	Chinle/Alluvium Interface
MKTF-03	06/01/22	4.00	18.64	7.67	1.15	8.82	6,922.91	6923.83	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) ¹	SPH Column Thickness (ft)	Depth to Water (ft) ¹	Ground-water Elevation (ft)	Corrected Water Table ² Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
MKTF-04	01/28/21	4.00	22.72	ND	NA	10.47	6,923.43	NA	10 - 22	Chinle/Alluvium Interface
MKTF-04	02/28/21	4.00	22.72	10.17	0.12	10.29	6,923.61	6923.71	10 - 22	Chinle/Alluvium Interface
MKTF-04	03/31/21	4.00	22.72	9.54	0.02	9.56	6,924.34	6924.36	10 - 22	Chinle/Alluvium Interface
MKTF-04	04/26/21	4.00	22.72	9.53	0.02	9.55	6,924.35	6924.37	10 - 22	Chinle/Alluvium Interface
MKTF-04	05/20/21	4.00	22.72	9.61	0.10	9.71	6,924.19	6924.27	10 - 22	Chinle/Alluvium Interface
MKTF-04	06/01/21	4.00	22.72	9.52	0.03	9.55	6,924.35	6924.37	10 - 22	Chinle/Alluvium Interface
MKTF-04	07/06/21	4.00	22.72	ND	NA	9.49	6,924.41	NA	10 - 22	Chinle/Alluvium Interface
MKTF-04R	08/30/21	4.00	19.20	ND	NA	10.13	6,928.36	NA	4 - 19	Chinle/Alluvium Interface
MKTF-04R	09/17/21	4.00	19.20	ND	NA	10.48	6,928.01	NA	4 - 19	Chinle/Alluvium Interface
MKTF-04R	10/27/21	4.00	19.20	ND	NA	9.93	6,928.56	NA	4 - 19	Chinle/Alluvium Interface
MKTF-04R	11/17/21	4.00	19.20	ND	NA	10.02	6,928.47	NA	4 - 19	Chinle/Alluvium Interface
MKTF-04R	12/03/21	4.00	19.20	ND	NA	10.18	6,928.31	NA	4 - 19	Chinle/Alluvium Interface
MKTF-04R	01/10/22	4.00	19.20	ND	NA	10.23	6,928.26	NA	4 - 19	Chinle/Alluvium Interface
MKTF-04R	02/28/22	4.00	19.20	ND	NA	10.13	6,928.36	NA	4 - 19	Chinle/Alluvium Interface
MKTF-04R	03/02/22	4.00	19.22	ND	NA	10.24	6,928.25	NA	4 - 19	Chinle/Alluvium Interface
MKTF-04R	04/27/22	4.00	19.22	ND	NA	9.92	6,928.57	NA	4 - 19	Chinle/Alluvium Interface
MKTF-04R	05/05/22	4.00	19.22	ND	NA	10.15	6,928.34	NA	4 - 19	Chinle/Alluvium Interface
MKTF-04R	06/01/22	4.00	19.20	10.17	0.02	10.19	6,928.30	6928.32	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) ¹	SPH Column Thickness (ft)	Depth to Water (ft) ¹	Ground-water Elevation (ft)	Corrected Water Table ² Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
MKTF-05	01/28/21	4.00	17.80	12.21	0.19	12.40	6,927.09	6927.24	4 - 14	Chinle/Alluvium Interface
MKTF-05	02/28/21	4.00	17.77	11.87	0.15	12.02	6,927.47	6927.59	4 - 14	Chinle/Alluvium Interface
MKTF-05	03/31/21	4.00	17.77	12.26	0.06	12.32	6,927.17	6927.22	4 - 14	Chinle/Alluvium Interface
MKTF-05	04/26/21	4.00	17.77	12.30	0.14	12.44	6,927.05	6927.16	4 - 14	Chinle/Alluvium Interface
MKTF-05	05/20/21	4.00	17.77	12.29	0.07	12.36	6,927.13	6927.19	4 - 14	Chinle/Alluvium Interface
MKTF-05	06/01/21	4.00	17.77	12.15	0.08	12.23	6,927.26	6927.32	4 - 14	Chinle/Alluvium Interface
MKTF-05	07/06/21	4.00	17.77	12.69	0.26	12.95	6,926.54	6926.75	4 - 14	Chinle/Alluvium Interface
MKTF-05	08/25/21	4.00	17.77	11.77	0.60	12.37	6,927.12	6927.60	4 - 14	Chinle/Alluvium Interface
MKTF-05	09/07/21	4.00	17.77	11.54	1.07	12.61	6,926.88	6927.74	4 - 14	Chinle/Alluvium Interface
MKTF-05	10/27/21	4.00	17.77	11.37	0.55	11.92	6,927.57	6928.01	4 - 14	Chinle/Alluvium Interface
MKTF-05	11/02/21	4.00	17.77	11.52	0.56	12.08	6,927.41	6927.86	4 - 14	Chinle/Alluvium Interface
MKTF-05	12/03/21	4.00	17.77	11.77	0.60	12.37	6,927.12	6927.60	4 - 14	Chinle/Alluvium Interface
MKTF-05	01/10/22	4.00	17.77	11.37	0.21	11.58	6,927.91	6928.08	4 - 14	Chinle/Alluvium Interface
MKTF-05	02/28/22	4.00	17.77	11.77	0.60	12.37	6,927.12	6927.60	4 - 14	Chinle/Alluvium Interface
MKTF-05	03/02/22	4.00	17.75	11.71	0.64	12.35	6,927.14	6927.65	4 - 14	Chinle/Alluvium Interface
MKTF-05	04/27/22	4.00	17.75	12.63	0.08	12.71	6,926.78	6926.84	4 - 14	Chinle/Alluvium Interface
MKTF-05	05/03/22	4.00	17.75	12.67	0.05	12.72	6,926.77	6926.81	4 - 14	Chinle/Alluvium Interface
MKTF-05	06/01/22	4.00	17.75	13.05	0.08	13.13	6,926.36	6926.42	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) ¹	SPH Column Thickness (ft)	Depth to Water (ft) ¹	Ground-water Elevation (ft)	Corrected Water Table ² Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
MKTF-06	01/28/21	4.00	23.79	15.52	1.56	17.08	6,927.16	6928.41	8 - 20	Chinle/Alluvium Interface
MKTF-06	02/28/21	4.00	23.85	15.36	0.72	16.08	6,928.16	6928.74	8 - 20	Chinle/Alluvium Interface
MKTF-06	03/31/21	4.00	23.85	15.40	0.18	15.58	6,928.66	6928.80	8 - 20	Chinle/Alluvium Interface
MKTF-06	04/26/21	4.00	23.85	15.31	0.07	15.38	6,928.86	6928.92	8 - 20	Chinle/Alluvium Interface
MKTF-06	05/20/21	4.00	23.85	15.44	0.12	15.56	6,928.68	6928.78	8 - 20	Chinle/Alluvium Interface
MKTF-06	06/01/21	4.00	23.85	15.52	0.16	15.68	6,928.56	6928.69	8 - 20	Chinle/Alluvium Interface
MKTF-06	07/06/21	4.00	23.85	15.98	0.52	16.50	6,927.74	6928.16	8 - 20	Chinle/Alluvium Interface
MKTF-06	08/26/21	4.00	23.85	15.18	0.85	16.03	6,928.21	6928.89	8 - 20	Chinle/Alluvium Interface
MKTF-06	09/07/21	4.00	23.85	15.41	0.68	16.09	6,928.15	6928.69	8 - 20	Chinle/Alluvium Interface
MKTF-06	10/27/21	4.00	23.85	14.78	1.32	16.10	6,928.14	6929.20	8 - 20	Chinle/Alluvium Interface
MKTF-06	11/17/21	4.00	23.85	14.87	1.21	16.08	6,928.16	6929.13	8 - 20	Chinle/Alluvium Interface
MKTF-06	12/03/21	4.00	23.85	15.44	0.95	16.39	6,927.85	6928.61	8 - 20	Chinle/Alluvium Interface
MKTF-06	01/10/22	4.00	23.85	14.93	0.03	14.96	6,929.28	6929.30	8 - 20	Chinle/Alluvium Interface
MKTF-06	02/28/22	4.00	23.85	15.18	0.69	15.87	6,928.37	6928.92	8 - 20	Chinle/Alluvium Interface
MKTF-06	03/02/22	4.00	23.85	15.43	0.95	16.38	6,927.86	6928.62	8 - 20	Chinle/Alluvium Interface
MKTF-06	04/27/22	4.00	23.85	15.96	1.22	17.18	6,927.06	6928.04	8 - 20	Chinle/Alluvium Interface
MKTF-06	05/03/22	4.00	23.85	16.06	1.26	17.32	6,926.92	6927.93	8 - 20	Chinle/Alluvium Interface
MKTF-06	06/01/22	4.00	23.86	16.23	1.30	17.53	6,926.71	6927.75	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) ¹	SPH Column Thickness (ft)	Depth to Water (ft) ¹	Ground-water Elevation (ft)	Corrected Water Table ² Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
MKTF-07	01/28/21	4.00	17.66	11.02	0.40	11.42	6,932.98	6933.30	4 - 14	Chinle/Alluvium Interface
MKTF-07	02/28/21	4.00	17.86	10.73	0.21	10.94	6,933.46	6933.63	4 - 14	Chinle/Alluvium Interface
MKTF-07	03/31/21	4.00	17.86	10.92	0.11	11.03	6,933.37	6933.46	4 - 14	Chinle/Alluvium Interface
MKTF-07	04/26/21	4.00	17.86	10.73	0.25	10.98	6,933.42	6933.62	4 - 14	Chinle/Alluvium Interface
MKTF-07	05/20/21	4.00	17.86	10.90	0.13	11.03	6,933.37	6933.47	4 - 14	Chinle/Alluvium Interface
MKTF-07	06/01/21	4.00	17.86	10.74	0.11	10.85	6,933.55	6933.64	4 - 14	Chinle/Alluvium Interface
MKTF-07	07/06/21	4.00	17.86	10.57	0.34	10.91	6,933.49	6933.76	4 - 14	Chinle/Alluvium Interface
MKTF-07	08/02/21	4.00	17.86	10.61	0.46	11.07	6,933.33	6933.70	4 - 14	Chinle/Alluvium Interface
MKTF-07	09/07/21	4.00	17.86	10.48	0.42	10.90	6,933.50	6933.84	4 - 14	Chinle/Alluvium Interface
MKTF-07	10/27/21	4.00	17.86	10.67	0.19	10.86	6,933.54	6933.69	4 - 14	Chinle/Alluvium Interface
MKTF-07	11/02/21	4.00	17.86	10.68	0.19	10.87	6,933.53	6933.68	4 - 14	Chinle/Alluvium Interface
MKTF-07	12/03/21	4.00	17.86	11.11	0.14	11.25	6,933.15	6933.26	4 - 14	Chinle/Alluvium Interface
MKTF-07	01/10/22	4.00	17.86	11.69	0.04	11.73	6,932.67	6932.70	4 - 14	Chinle/Alluvium Interface
MKTF-07	02/28/22	4.00	17.86	ND	NA	11.33	6,933.07	NA	4 - 14	Chinle/Alluvium Interface
MKTF-07	03/02/22	4.00	17.86	11.14	0.08	11.22	6,933.18	6933.24	4 - 14	Chinle/Alluvium Interface
MKTF-07	04/27/22	4.00	17.86	12.05	0.03	12.08	6,932.32	6932.34	4 - 14	Chinle/Alluvium Interface
MKTF-07	05/03/22	4.00	17.86	12.12	0.03	12.15	6,932.25	6932.27	4 - 14	Chinle/Alluvium Interface
MKTF-07	06/01/22	4.00	17.85	12.34	0.03	12.37	6,932.03	6932.05	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) ¹	SPH Column Thickness (ft)	Depth to Water (ft) ¹	Ground-water Elevation (ft)	Corrected Water Table ² Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
MKTF-08	01/28/21	4.00	22.01	11.77	0.31	12.08	6,931.94	6932.19	8 - 18	Chinle/Alluvium Interface
MKTF-08	02/28/21	4.00	22.00	11.69	0.13	11.82	6,932.20	6932.30	8 - 18	Chinle/Alluvium Interface
MKTF-08	03/31/21	4.00	22.00	11.53	0.10	11.63	6,932.39	6932.47	8 - 18	Chinle/Alluvium Interface
MKTF-08	04/26/21	4.00	22.00	11.57	0.11	11.68	6,932.34	6932.43	8 - 18	Chinle/Alluvium Interface
MKTF-08	05/20/21	4.00	22.00	11.56	0.08	11.64	6,932.38	6932.44	8 - 18	Chinle/Alluvium Interface
MKTF-08	06/01/21	4.00	22.00	11.64	0.08	11.72	6,932.30	6932.36	8 - 18	Chinle/Alluvium Interface
MKTF-08	07/06/21	4.00	22.00	11.90	0.36	12.26	6,931.76	6932.05	8 - 18	Chinle/Alluvium Interface
MKTF-08	08/02/21	4.00	22.00	11.86	0.16	12.02	6,932.00	6932.13	8 - 18	Chinle/Alluvium Interface
MKTF-08	09/07/21	4.00	22.00	11.70	0.22	11.92	6,932.10	6932.28	8 - 18	Chinle/Alluvium Interface
MKTF-08	10/27/21	4.00	22.00	11.68	0.35	12.03	6,931.99	6932.27	8 - 18	Chinle/Alluvium Interface
MKTF-08	11/02/21	4.00	22.00	11.66	0.48	12.14	6,931.88	6932.26	8 - 18	Chinle/Alluvium Interface
MKTF-08	12/03/21	4.00	22.00	11.96	0.34	12.30	6,931.72	6931.99	8 - 18	Chinle/Alluvium Interface
MKTF-08	01/10/22	4.00	22.00	12.13	0.15	12.28	6,931.74	6931.86	8 - 18	Chinle/Alluvium Interface
MKTF-08	02/28/22	4.00	22.00	11.68	0.05	11.73	6,932.29	6932.33	8 - 18	Chinle/Alluvium Interface
MKTF-08	03/02/22	4.00	22.00	11.93	0.33	12.26	6,931.76	6932.02	8 - 18	Chinle/Alluvium Interface
MKTF-08	04/27/22	4.00	22.00	12.64	0.29	12.93	6,931.09	6931.32	8 - 18	Chinle/Alluvium Interface
MKTF-08	05/03/22	4.00	22.00	12.71	0.38	13.09	6,930.93	6931.23	8 - 18	Chinle/Alluvium Interface
MKTF-08	06/01/22	4.00	22.03	12.83	0.78	13.61	6,930.41	6931.03	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) ¹	SPH Column Thickness (ft)	Depth to Water (ft) ¹	Ground-water Elevation (ft)	Corrected Water Table ² Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
MKTF-09	01/28/21	4.00	22.78	ND	NA	12.18	6,931.39	NA	7 - 19	Chinle/Alluvium Interface
MKTF-09	02/28/21	4.00	22.70	11.83	0.13	11.96	6,931.61	6931.71	7 - 19	Chinle/Alluvium Interface
MKTF-09	03/31/21	4.00	22.70	11.92	0.02	11.94	6,931.63	6931.65	7 - 19	Chinle/Alluvium Interface
MKTF-09	04/26/21	4.00	22.70	11.86	0.05	11.91	6,931.66	6931.70	7 - 19	Chinle/Alluvium Interface
MKTF-09	05/20/21	4.00	22.70	12.05	0.18	12.23	6,931.34	6931.48	7 - 19	Chinle/Alluvium Interface
MKTF-09	06/01/21	4.00	22.70	11.99	0.03	12.02	6,931.55	6931.57	7 - 19	Chinle/Alluvium Interface
MKTF-09	07/06/21	4.00	22.70	12.27	0.02	12.29	6,931.28	6931.30	7 - 19	Chinle/Alluvium Interface
MKTF-09	08/26/21	4.00	22.70	12.18	0.04	12.22	6,931.35	6931.38	7 - 19	Chinle/Alluvium Interface
MKTF-09	09/07/21	4.00	22.70	12.25	0.03	12.28	6,931.29	6931.31	7 - 19	Chinle/Alluvium Interface
MKTF-09	10/27/21	4.00	22.70	ND	NA	12.07	6,931.50	NA	7 - 19	Chinle/Alluvium Interface
MKTF-09	11/17/21	4.00	22.70	ND	NA	12.14	6,931.43	NA	7 - 19	Chinle/Alluvium Interface
MKTF-09	12/03/21	4.00	22.70	12.16	0.04	12.20	6,931.37	6931.40	7 - 19	Chinle/Alluvium Interface
MKTF-09	01/10/22	4.00	22.70	12.35	0.03	12.38	6,931.19	6931.21	7 - 19	Chinle/Alluvium Interface
MKTF-09	02/28/22	4.00	22.70	12.19	0.16	12.35	6,931.22	6931.35	7 - 19	Chinle/Alluvium Interface
MKTF-09	03/02/22	4.00	22.70	12.18	0.04	12.22	6,931.35	6931.38	7 - 19	Chinle/Alluvium Interface
MKTF-09	04/27/22	4.00	22.70	ND	NA	13.12	6,930.45	NA	7 - 19	Chinle/Alluvium Interface
MKTF-09	05/05/22	4.00	22.70	ND	NA	13.08	6,930.49	NA	7 - 19	Chinle/Alluvium Interface
MKTF-09	06/01/22	4.00	22.70	12.20	0.03	12.23	6,931.34	6931.36	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) ¹	SPH Column Thickness (ft)	Depth to Water (ft) ¹	Ground-water Elevation (ft)	Corrected Water Table ² Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
MKTF-10	01/28/21	4.00	16.50	ND	NA	8.26	6,929.25	NA	7 - 17	Chinle/Alluvium Interface
MKTF-10	02/28/21	4.00	16.50	ND	NA	8.24	6,929.27	NA	7 - 17	Chinle/Alluvium Interface
MKTF-10	03/31/21	4.00	16.50	ND	NA	8.09	6,929.42	NA	7 - 17	Chinle/Alluvium Interface
MKTF-10	04/26/21	4.00	16.50	ND	NA	8.38	6,929.13	NA	7 - 17	Chinle/Alluvium Interface
MKTF-10	05/20/21	4.00	16.50	ND	NA	8.27	6,929.24	NA	7 - 17	Chinle/Alluvium Interface
MKTF-10	06/01/21	4.00	16.50	ND	NA	8.04	6,929.47	NA	7 - 17	Chinle/Alluvium Interface
MKTF-10	07/06/21	4.00	16.50	ND	NA	8.79	6,928.72	NA	7 - 17	Chinle/Alluvium Interface
MKTF-10	08/26/21	4.00	16.50	ND	NA	8.45	6,929.06	NA	7 - 17	Chinle/Alluvium Interface
MKTF-10	09/09/21	4.00	16.50	ND	NA	8.55	6,928.96	NA	7 - 17	Chinle/Alluvium Interface
MKTF-10	10/27/21	4.00	16.50	ND	NA	8.35	6,929.16	NA	7 - 17	Chinle/Alluvium Interface
MKTF-10	11/17/21	4.00	16.50	ND	NA	8.49	6,929.02	NA	7 - 17	Chinle/Alluvium Interface
MKTF-10	12/15/21	4.00	16.60	ND	NA	8.69	6,928.82	NA	7 - 17	Chinle/Alluvium Interface
MKTF-10	01/10/22	4.00	16.60	ND	NA	10.06	6,927.45	NA	7 - 17	Chinle/Alluvium Interface
MKTF-10	02/28/22	4.00	16.60	ND	NA	9.90	6,927.61	NA	7 - 17	Chinle/Alluvium Interface
MKTF-10	03/01/22	4.00	16.61	ND	NA	8.65	6,928.86	NA	7 - 17	Chinle/Alluvium Interface
MKTF-10	04/27/22	4.00	16.61	ND	NA	9.22	6,928.29	NA	7 - 17	Chinle/Alluvium Interface
MKTF-10	05/05/22	4.00	16.61	ND	NA	9.80	6,927.71	NA	7 - 17	Chinle/Alluvium Interface
MKTF-10	06/01/22	4.00	16.61	ND	NA	8.65	6,928.86	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) ¹	SPH Column Thickness (ft)	Depth to Water (ft) ¹	Ground-water Elevation (ft)	Corrected Water Table ² Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
MKTF-11	01/28/21	4.00	18.45	ND	NA	8.15	6,923.46	NA	8 - 18	Chinle/Alluvium Interface
MKTF-11	02/28/21	4.00	18.53	ND	NA	8.11	6,923.50	NA	8 - 18	Chinle/Alluvium Interface
MKTF-11	03/31/21	4.00	18.53	ND	NA	7.90	6,923.71	NA	8 - 18	Chinle/Alluvium Interface
MKTF-11	04/26/21	4.00	18.53	ND	NA	7.97	6,923.64	NA	8 - 18	Chinle/Alluvium Interface
MKTF-11	05/20/21	4.00	18.53	ND	NA	7.94	6,923.67	NA	8 - 18	Chinle/Alluvium Interface
MKTF-11	06/01/21	4.00	18.53	ND	NA	7.83	6,923.78	NA	8 - 18	Chinle/Alluvium Interface
MKTF-11	07/06/21	4.00	18.53	ND	NA	8.57	6,923.04	NA	8 - 18	Chinle/Alluvium Interface
MKTF-11	08/26/21	4.00	18.53	ND	NA	8.45	6,923.16	NA	8 - 18	Chinle/Alluvium Interface
MKTF-11	09/09/21	4.00	18.53	ND	NA	8.86	6,922.75	NA	8 - 18	Chinle/Alluvium Interface
MKTF-11	10/27/21	4.00	18.53	ND	NA	8.42	6,923.19	NA	8 - 18	Chinle/Alluvium Interface
MKTF-11	11/17/21	4.00	18.53	ND	NA	8.46	6,923.15	NA	8 - 18	Chinle/Alluvium Interface
MKTF-11	12/15/21	4.00	18.53	ND	NA	8.69	6,922.92	NA	8 - 18	Chinle/Alluvium Interface
MKTF-11	01/10/22	4.00	18.53	ND	NA	8.79	6,922.82	NA	8 - 18	Chinle/Alluvium Interface
MKTF-11	02/28/22	4.00	18.53	ND	NA	8.71	6,922.90	NA	8 - 18	Chinle/Alluvium Interface
MKTF-11	03/02/22	4.00	18.53	ND	NA	8.11	6,923.50	NA	8 - 18	Chinle/Alluvium Interface
MKTF-11	04/27/22	4.00	18.53	ND	NA	8.55	6,923.06	NA	8 - 18	Chinle/Alluvium Interface
MKTF-11	05/05/22	4.00	18.53	ND	NA	8.71	6,922.90	NA	8 - 18	Chinle/Alluvium Interface
MKTF-11	06/01/22	4.00	18.50	ND	NA	9.07	6,922.54	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) ¹	SPH Column Thickness (ft)	Depth to Water (ft) ¹	Ground-water Elevation (ft)	Corrected Water Table ² Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
MKTF-12	01/28/21	4.00	25.89	17.05	0.17	17.22	6,922.48	6922.62	12 - 22	Chinle/Alluvium Interface
MKTF-12	02/28/21	4.00	25.85	16.41	0.10	16.51	6,923.19	6923.27	12 - 22	Chinle/Alluvium Interface
MKTF-12	03/31/21	4.00	25.85	16.18	0.04	16.22	6,923.48	6923.51	12 - 22	Chinle/Alluvium Interface
MKTF-12	04/26/21	4.00	25.85	16.08	0.11	16.19	6,923.51	6923.60	12 - 22	Chinle/Alluvium Interface
MKTF-12	05/20/21	4.00	25.85	16.29	0.03	16.32	6,923.38	6923.40	12 - 22	Chinle/Alluvium Interface
MKTF-12	06/01/21	4.00	25.85	16.62	0.05	16.67	6,923.03	6923.07	12 - 22	Chinle/Alluvium Interface
MKTF-12	07/06/21	4.00	25.85	16.57	0.05	16.62	6,923.08	6923.12	12 - 22	Chinle/Alluvium Interface
MKTF-12	08/26/21	4.00	25.85	16.71	0.10	16.81	6,922.89	6922.97	12 - 22	Chinle/Alluvium Interface
MKTF-12	09/09/21	4.00	25.85	16.60	0.08	16.68	6,923.02	6923.08	12 - 22	Chinle/Alluvium Interface
MKTF-12	10/27/21	4.00	25.85	16.59	0.03	16.62	6,923.08	6923.10	12 - 22	Chinle/Alluvium Interface
MKTF-12	11/17/21	4.00	25.85	16.57	0.10	16.67	6,923.03	6923.11	12 - 22	Chinle/Alluvium Interface
MKTF-12	12/03/21	4.00	25.85	16.68	0.11	16.79	6,922.91	6923.00	12 - 22	Chinle/Alluvium Interface
MKTF-12	01/10/22	4.00	25.85	16.48	0.21	16.69	6,923.01	6923.18	12 - 22	Chinle/Alluvium Interface
MKTF-12	02/28/22	4.00	25.85	16.71	0.08	16.79	6,922.91	6922.97	12 - 22	Chinle/Alluvium Interface
MKTF-12	03/02/22	4.00	25.88	16.71	0.07	16.78	6,922.92	6922.98	12 - 22	Chinle/Alluvium Interface
MKTF-12	04/27/22	4.00	25.88	17.09	0.05	17.14	6,922.56	6922.60	12 - 22	Chinle/Alluvium Interface
MKTF-12	05/05/22	4.00	25.88	16.92	0.08	17.00	6,922.70	6922.76	12 - 22	Chinle/Alluvium Interface
MKTF-12	06/01/22	4.00	25.90	16.79	0.07	16.86	6,922.84	6922.90	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) ¹	SPH Column Thickness (ft)	Depth to Water (ft) ¹	Ground-water Elevation (ft)	Corrected Water Table ² Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
MKTF-13	01/28/21	4.00	21.92	11.74	4.01	15.75	6,917.92	6921.13	8 - 18	Chinle/Alluvium Interface
MKTF-13	02/28/21	4.00	21.75	11.09	4.30	15.39	6,918.28	6921.72	8 - 18	Chinle/Alluvium Interface
MKTF-13	03/31/21	4.00	21.75	10.70	4.44	15.14	6,918.53	6922.08	8 - 18	Chinle/Alluvium Interface
MKTF-13	04/26/21	4.00	21.75	10.74	4.08	14.82	6,918.85	6922.11	8 - 18	Chinle/Alluvium Interface
MKTF-13	05/20/21	4.00	21.75	10.60	4.59	15.19	6,918.48	6922.15	8 - 18	Chinle/Alluvium Interface
MKTF-13	06/01/21	4.00	21.75	10.42	3.74	14.16	6,919.51	6922.50	8 - 18	Chinle/Alluvium Interface
MKTF-13	07/06/21	4.00	21.75	12.34	3.65	15.99	6,917.68	6920.60	8 - 18	Chinle/Alluvium Interface
MKTF-13	08/09/21	4.00	21.75	11.29	4.38	15.67	6,918.00	6921.50	8 - 18	Chinle/Alluvium Interface
MKTF-13	09/07/21	4.00	21.75	11.49	3.60	15.09	6,918.58	6921.46	8 - 18	Chinle/Alluvium Interface
MKTF-13	10/27/21	4.00	21.75	11.54	2.91	14.45	6,919.22	6921.55	8 - 18	Chinle/Alluvium Interface
MKTF-13	11/02/21	4.00	21.75	11.60	2.84	14.44	6,919.23	6921.50	8 - 18	Chinle/Alluvium Interface
MKTF-13	12/03/21	4.00	21.75	11.96	2.35	14.31	6,919.36	6921.24	8 - 18	Chinle/Alluvium Interface
MKTF-13	01/10/22	4.00	21.75	9.32	3.95	13.27	6,920.40	6923.56	8 - 18	Chinle/Alluvium Interface
MKTF-13	02/28/22	4.00	21.75	9.29	3.95	13.24	6,920.43	6923.59	8 - 18	Chinle/Alluvium Interface
MKTF-13	03/01/22	4.00	21.75	11.93	2.34	14.27	6,919.40	6921.27	8 - 18	Chinle/Alluvium Interface
MKTF-13	04/27/22	4.00	21.75	12.46	1.07	13.53	6,920.14	6921.00	8 - 18	Chinle/Alluvium Interface
MKTF-13	05/03/22	4.00	21.75	12.53	1.03	13.56	6,920.11	6920.93	8 - 18	Chinle/Alluvium Interface
MKTF-13	06/01/22	4.00	21.75	12.28	1.36	13.64	6,920.03	6921.12	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) ¹	SPH Column Thickness (ft)	Depth to Water (ft) ¹	Ground-water Elevation (ft)	Corrected Water Table ² Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
MKTF-14	01/28/21	4.00	17.55	4.74	0.30	5.04	6,920.61	6920.85	4 - 14	Chinle/Alluvium Interface
MKTF-14	02/28/21	4.00	17.55	4.27	0.34	4.61	6,921.04	6921.31	4 - 14	Chinle/Alluvium Interface
MKTF-14	03/31/21	4.00	17.55	3.77	0.12	3.89	6,921.76	6921.86	4 - 14	Chinle/Alluvium Interface
MKTF-14	04/26/21	4.00	17.55	3.74	0.07	3.81	6,921.84	6921.90	4 - 14	Chinle/Alluvium Interface
MKTF-14	05/20/21	4.00	17.55	3.83	0.11	3.94	6,921.71	6921.80	4 - 14	Chinle/Alluvium Interface
MKTF-14	06/01/21	4.00	17.55	3.44	0.16	3.60	6,922.05	6922.18	4 - 14	Chinle/Alluvium Interface
MKTF-14	07/21/21	4.00	17.55	3.86	0.45	4.31	6,921.34	6921.70	4 - 14	Chinle/Alluvium Interface
MKTF-14	08/25/21	4.00	17.55	4.63	0.17	4.80	6,920.85	6920.99	4 - 14	Chinle/Alluvium Interface
MKTF-14	09/07/21	4.00	17.55	4.65	0.17	4.82	6,920.83	6920.97	4 - 14	Chinle/Alluvium Interface
MKTF-14	10/27/21	4.00	17.55	4.56	0.02	4.58	6,921.07	6921.09	4 - 14	Chinle/Alluvium Interface
MKTF-14	11/02/21	4.00	17.55	ND	NA	4.64	6,921.01	NA	4 - 14	Chinle/Alluvium Interface
MKTF-14	12/03/21	4.00	17.55	4.80	0.22	5.02	6,920.63	6920.81	4 - 14	Chinle/Alluvium Interface
MKTF-14	01/10/22	4.00	17.55	4.83	0.24	5.07	6,920.58	6920.77	4 - 14	Chinle/Alluvium Interface
MKTF-14	02/28/22	4.00	17.55	4.75	0.30	5.05	6,920.60	6920.84	4 - 14	Chinle/Alluvium Interface
MKTF-14	03/01/22	4.00	17.55	4.78	0.21	4.99	6,920.66	6920.83	4 - 14	Chinle/Alluvium Interface
MKTF-14	04/27/22	4.00	17.55	4.91	0.23	5.14	6,920.51	6920.69	4 - 14	Chinle/Alluvium Interface
MKTF-14	05/02/22	4.00	17.55	4.92	0.25	5.17	6,920.48	6920.68	4 - 14	Chinle/Alluvium Interface
MKTF-14	06/01/22	4.00	17.58	4.88	0.45	5.33	6,920.32	6920.68	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) ¹	SPH Column Thickness (ft)	Depth to Water (ft) ¹	Ground-water Elevation (ft)	Corrected Water Table ² Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
MKTF-15	01/28/21	2.00	19.52	13.80	0.21	14.01	6,929.73	6,929.90	9 - 19	Chinle/Alluvium Interface
MKTF-15	02/28/21	2.00	19.53	13.71	0.07	13.78	6,929.96	6,930.02	9 - 19	Chinle/Alluvium Interface
MKTF-15	03/31/21	2.00	19.53	13.65	0.03	13.68	6,930.06	6,930.08	9 - 19	Chinle/Alluvium Interface
MKTF-15	04/26/21	2.00	19.53	13.37	0.21	13.58	6,930.16	6,930.33	9 - 19	Chinle/Alluvium Interface
MKTF-15	05/20/21	2.00	19.53	13.77	0.07	13.84	6,929.90	6,929.96	9 - 19	Chinle/Alluvium Interface
MKTF-15	06/01/21	2.00	19.53	13.69	0.04	13.73	6,930.01	6,930.04	9 - 19	Chinle/Alluvium Interface
MKTF-15	07/21/21	2.00	19.53	13.56	0.76	14.32	6,929.42	6,930.03	9 - 19	Chinle/Alluvium Interface
MKTF-15	08/25/21	2.00	19.53	13.66	0.75	14.41	6,929.33	6,929.93	9 - 19	Chinle/Alluvium Interface
MKTF-15	09/07/21	2.00	19.53	13.55	0.62	14.17	6,929.57	6,930.07	9 - 19	Chinle/Alluvium Interface
MKTF-15	10/27/21	2.00	19.53	13.61	0.45	14.06	6,929.68	6,930.04	9 - 19	Chinle/Alluvium Interface
MKTF-15	11/17/21	2.00	19.53	13.60	0.50	14.10	6,929.64	6,930.04	9 - 19	Chinle/Alluvium Interface
MKTF-15	12/03/21	2.00	19.53	13.53	0.69	14.22	6,929.52	6,930.07	9 - 19	Chinle/Alluvium Interface
MKTF-15	01/10/22	2.00	19.53	13.38	0.76	14.14	6,929.60	6,930.21	9 - 19	Chinle/Alluvium Interface
MKTF-15	02/28/22	2.00	19.53	13.38	0.75	14.13	6,929.61	6,930.21	9 - 19	Chinle/Alluvium Interface
MKTF-15	03/02/22	2.00	19.55	13.56	0.70	14.26	6,929.48	6,930.04	9 - 19	Chinle/Alluvium Interface
MKTF-15	04/27/22	2.00	19.55	13.66	1.95	15.61	6,928.13	6,929.69	9 - 19	Chinle/Alluvium Interface
MKTF-15	05/05/22	2.00	19.55	13.59	1.09	14.68	6,929.06	6,929.93	9 - 19	Chinle/Alluvium Interface
MKTF-15	06/01/22	2.00	19.61	13.47	0.64	14.11	6,929.63	6,930.14	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) ¹	SPH Column Thickness (ft)	Depth to Water (ft) ¹	Ground-water Elevation (ft)	Corrected Water Table ² Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
MKTF-16	01/28/21	2.00	10.95	ND	NA	6.57	6,944.43	NA	4 - 14	Chinle/Alluvium Interface
MKTF-16	02/28/21	2.00	10.95	ND	NA	9.26	6,941.74	NA	4 - 14	Chinle/Alluvium Interface
MKTF-16	03/31/21	2.00	10.95	ND	NA	9.73	6,941.27	NA	4 - 14	Chinle/Alluvium Interface
MKTF-16	04/26/21	2.00	10.95	ND	NA	9.93	6,941.07	NA	4 - 14	Chinle/Alluvium Interface
MKTF-16	05/20/21	2.00	10.95	ND	NA	9.82	6,941.18	NA	4 - 14	Chinle/Alluvium Interface
MKTF-16	06/01/21	2.00	10.95	ND	NA	9.70	6,941.30	NA	4 - 14	Chinle/Alluvium Interface
MKTF-16	06/23/21	2.00	10.95	ND	NA	DRY	NA	NA	4 - 14	Chinle/Alluvium Interface
MKTF-16	07/21/21	2.00	10.95	ND	NA	11.26	6,939.74	NA	4 - 14	Chinle/Alluvium Interface
MKTF-16	08/25/21	2.00	10.95	ND	NA	10.90	6,940.10	NA	4 - 14	Chinle/Alluvium Interface
MKTF-16	09/08/21	2.00	10.95	ND	NA	9.12	6,941.88	NA	4 - 14	Chinle/Alluvium Interface
MKTF-16	10/27/21	2.00	10.95	ND	NA	9.40	6,941.60	NA	4 - 14	Chinle/Alluvium Interface
MKTF-16	11/17/21	2.00	10.95	ND	NA	9.00	6,942.00	NA	4 - 14	Chinle/Alluvium Interface
MKTF-16	12/27/21	2.00	10.92	ND	NA	8.87	6,942.13	NA	4 - 14	Chinle/Alluvium Interface
MKTF-16	01/10/22	2.00	10.92	ND	NA	8.82	6,942.18	NA	4 - 14	Chinle/Alluvium Interface
MKTF-16	02/28/22	2.00	10.92	ND	NA	9.05	6,941.95	NA	4 - 14	Chinle/Alluvium Interface
MKTF-16	03/02/22	2.00	10.92	ND	NA	8.84	6,942.16	NA	4 - 14	Chinle/Alluvium Interface
MKTF-16	04/27/22	2.00	10.92	ND	NA	10.24	6,940.76	NA	4 - 14	Chinle/Alluvium Interface
MKTF-16	05/05/22	2.00	10.92	ND	NA	9.06	6,941.94	NA	4 - 14	Chinle/Alluvium Interface
MKTF-16	06/01/22	2.00	10.94	ND	NA	8.25	6,942.75	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) ¹	SPH Column Thickness (ft)	Depth to Water (ft) ¹	Ground-water Elevation (ft)	Corrected Water Table ² Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
MKTF-17	01/28/21	2.00	24.65	11.91	0.02	11.93	6,933.86	6,933.88	14 - 24	Chinle/Alluvium Interface
MKTF-17	02/28/21	2.00	24.70	11.91	0.02	11.93	6,933.86	6,933.88	14 - 24	Chinle/Alluvium Interface
MKTF-17	03/31/21	2.00	24.70	12.09	0.03	12.12	6,933.67	6,933.69	14 - 24	Chinle/Alluvium Interface
MKTF-17	04/26/21	2.00	24.70	15.00	0.02	15.02	6,930.77	6,930.79	14 - 24	Chinle/Alluvium Interface
MKTF-17	05/20/21	2.00	24.70	15.06	0.03	15.09	6,930.70	6,930.72	14 - 24	Chinle/Alluvium Interface
MKTF-17	06/01/21	2.00	24.70	15.13	0.05	15.18	6,930.61	6,930.65	14 - 24	Chinle/Alluvium Interface
MKTF-17	07/21/21	2.00	24.70	12.19	0.03	12.22	6,933.57	6,933.59	14 - 24	Chinle/Alluvium Interface
MKTF-17R	08/30/21	2.00	24.70	ND	NA	12.34	6,938.27	NA	10 - 25	Chinle/Alluvium Interface
MKTF-17R	09/17/21	2.00	24.70	ND	NA	12.46	6,938.15	NA	10 - 25	Chinle/Alluvium Interface
MKTF-17R	10/27/21	2.00	24.70	ND	NA	12.32	6,938.29	NA	10 - 25	Chinle/Alluvium Interface
MKTF-17R	11/02/21	2.00	24.70	ND	NA	12.32	6,938.29	NA	10 - 25	Chinle/Alluvium Interface
MKTF-17R	12/03/21	2.00	20.50	ND	NA	12.80	6,937.81	NA	10 - 25	Chinle/Alluvium Interface
MKTF-17R	01/10/22	2.00	20.50	ND	NA	12.72	6,937.89	NA	10 - 25	Chinle/Alluvium Interface
MKTF-17R	02/28/22	2.00	20.50	ND	NA	12.71	6,937.90	NA	10 - 25	Chinle/Alluvium Interface
MKTF-17R	03/01/22	2.00	20.50	ND	NA	12.76	6,937.85	NA	10 - 25	Chinle/Alluvium Interface
MKTF-17R	04/27/22	2.00	20.50	ND	NA	13.82	6,936.79	NA	10 - 25	Chinle/Alluvium Interface
MKTF-17R	05/04/22	2.00	20.50	13.39	0.47	13.86	6,936.75	6,937.13	10 - 25	Chinle/Alluvium Interface
MKTF-17R	06/01/22	2.00	20.50	13.64	0.20	13.84	6,936.77	6,936.93	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) ¹	SPH Column Thickness (ft)	Depth to Water (ft) ¹	Ground-water Elevation (ft)	Corrected Water Table ² Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
MKTF-18	01/28/21	2.00	25.50	ND	NA	9.60	6,941.37	NA	17 - 27	Chinle/Alluvium Interface
MKTF-18	02/28/21	2.00	27.55	ND	NA	9.40	6,941.57	NA	17 - 27	Chinle/Alluvium Interface
MKTF-18	03/31/21	2.00	27.55	ND	NA	9.62	6,941.35	NA	17 - 27	Chinle/Alluvium Interface
MKTF-18	04/26/21	2.00	27.55	ND	NA	9.55	6,941.42	NA	17 - 27	Chinle/Alluvium Interface
MKTF-18	05/20/21	2.00	27.55	ND	NA	9.57	6,941.40	NA	17 - 27	Chinle/Alluvium Interface
MKTF-18	06/01/21	2.00	27.55	ND	NA	9.53	6,941.44	NA	17 - 27	Chinle/Alluvium Interface
MKTF-18	07/21/21	2.00	27.55	ND	NA	11.24	6,939.73	NA	17 - 27	Chinle/Alluvium Interface
MKTF-18R	08/30/21	2.00	25.55	ND	NA	10.00	6,945.29	NA	10 - 25	Chinle/Alluvium Interface
MKTF-18R	09/17/21	2.00	25.55	ND	NA	10.35	6,944.94	NA	10 - 25	Chinle/Alluvium Interface
MKTF-18R	10/27/21	2.00	25.55	ND	NA	10.32	6,944.97	NA	10 - 25	Chinle/Alluvium Interface
MKTF-18R	11/17/21	2.00	25.55	ND	NA	10.41	6,944.88	NA	10 - 25	Chinle/Alluvium Interface
MKTF-18R	12/03/21	2.00	25.50	ND	NA	10.62	6,944.67	NA	10 - 25	Chinle/Alluvium Interface
MKTF-18R	01/10/22	2.00	25.50	ND	NA	10.75	6,944.54	NA	10 - 25	Chinle/Alluvium Interface
MKTF-18R	02/28/22	2.00	25.50	ND	NA	10.75	6,944.54	NA	10 - 25	Chinle/Alluvium Interface
MKTF-18R	03/01/22	2.00	25.50	ND	NA	10.59	6,944.70	NA	10 - 25	Chinle/Alluvium Interface
MKTF-18R	04/27/22	2.00	25.50	ND	NA	11.20	6,944.09	NA	10 - 25	Chinle/Alluvium Interface
MKTF-18R	05/05/22	2.00	25.50	ND	NA	11.33	6,943.96	NA	10 - 25	Chinle/Alluvium Interface
MKTF-18R	06/01/22	2.00	25.47	ND	NA	11.55	6,943.74	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) ¹	SPH Column Thickness (ft)	Depth to Water (ft) ¹	Ground-water Elevation (ft)	Corrected Water Table ² Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
MKTF-19	01/28/21	2.00	19.38	12.44	1.24	13.68	6,931.21	6,932.20	10 - 20	Chinle/Alluvium Interface
MKTF-19	02/28/21	2.00	19.44	12.67	1.14	13.81	6,931.08	6,931.99	10 - 20	Chinle/Alluvium Interface
MKTF-19	03/31/21	2.00	19.44	12.82	1.23	14.05	6,930.84	6,931.82	10 - 20	Chinle/Alluvium Interface
MKTF-19	04/26/21	2.00	19.44	12.76	1.53	14.29	6,930.60	6,931.82	10 - 20	Chinle/Alluvium Interface
MKTF-19	05/20/21	2.00	19.44	12.50	1.42	13.92	6,930.97	6,932.11	10 - 20	Chinle/Alluvium Interface
MKTF-19	06/01/21	2.00	19.44	12.77	1.22	13.99	6,930.90	6,931.88	10 - 20	Chinle/Alluvium Interface
MKTF-19	07/21/21	2.00	19.44	12.74	0.78	13.52	6,931.37	6,931.99	10 - 20	Chinle/Alluvium Interface
MKTF-19	08/25/21	2.00	19.44	13.32	1.22	14.54	6,930.35	6,931.33	10 - 20	Chinle/Alluvium Interface
MKTF-19	09/08/21	2.00	19.44	13.27	1.06	14.33	6,930.56	6,931.41	10 - 20	Chinle/Alluvium Interface
MKTF-19	10/27/21	2.00	19.44	13.30	1.27	14.57	6,930.32	6,931.34	10 - 20	Chinle/Alluvium Interface
MKTF-19	11/17/21	2.00	19.44	13.31	1.13	14.44	6,930.45	6,931.35	10 - 20	Chinle/Alluvium Interface
MKTF-19	12/03/21	2.00	19.44	13.20	1.05	14.25	6,930.64	6,931.48	10 - 20	Chinle/Alluvium Interface
MKTF-19	01/10/22	2.00	19.44	13.33	0.06	13.39	6,931.50	6,931.55	10 - 20	Chinle/Alluvium Interface
MKTF-19	02/28/22	2.00	19.44	13.32	1.22	14.54	6,930.35	6,931.33	10 - 20	Chinle/Alluvium Interface
MKTF-19	03/02/22	2.00	19.46	13.22	1.10	14.32	6,930.57	6,931.45	10 - 20	Chinle/Alluvium Interface
MKTF-19	04/27/22	2.00	19.46	13.96	1.09	15.05	6,929.84	6,930.71	10 - 20	Chinle/Alluvium Interface
MKTF-19	05/05/22	2.00	19.46	13.53	1.02	14.55	6,930.34	6,931.16	10 - 20	Chinle/Alluvium Interface
MKTF-19	06/01/22	2.00	19.45	13.18	0.92	14.10	6,930.79	6,931.53	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) ¹	SPH Column Thickness (ft)	Depth to Water (ft) ¹	Ground-water Elevation (ft)	Corrected Water Table ² Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
MKTF-20	01/28/21	4.00	9.60	9.10	0.61	9.71	6,942.18	6,942.67	2 - 10	Chinle/Alluvium Interface
MKTF-20	02/28/21	4.00	9.61	ND	NA	DRY	NA	NA	2 - 10	Chinle/Alluvium Interface
MKTF-20	03/31/21	4.00	9.61	9.06	0.28	9.34	6,942.55	6,942.77	2 - 10	Chinle/Alluvium Interface
MKTF-20	04/26/21	4.00	9.61	9.25	0.29	9.54	6,942.35	6,942.58	2 - 10	Chinle/Alluvium Interface
MKTF-20	05/20/21	4.00	9.61	9.01	0.27	9.28	6,942.61	6,942.83	2 - 10	Chinle/Alluvium Interface
MKTF-20	06/01/21	4.00	9.61	9.12	0.29	9.41	6,942.48	6,942.71	2 - 10	Chinle/Alluvium Interface
MKTF-20	07/07/21	4.00	9.61	ND	NA	DRY	NA	NA	2 - 10	Chinle/Alluvium Interface
MKTF-20	08/02/21	4.00	9.61	ND	NA	9.04	6,942.85	NA	2 - 10	Chinle/Alluvium Interface
MKTF-20	09/08/21	4.00	9.61	ND	NA	DRY	NA	NA	2 - 10	Chinle/Alluvium Interface
MKTF-20	10/27/21	4.00	9.61	ND	NA	DRY	NA	NA	2 - 10	Chinle/Alluvium Interface
MKTF-20	11/02/21	4.00	9.61	ND	NA	9.02	6,942.87	NA	2 - 10	Chinle/Alluvium Interface
MKTF-20	12/03/21	4.00	9.60	ND	NA	9.53	6,942.36	NA	2 - 10	Chinle/Alluvium Interface
MKTF-20	01/10/22	4.00	9.60	ND	NA	9.62	6,942.27	NA	2 - 10	Chinle/Alluvium Interface
MKTF-20	02/28/22	4.00	9.60	ND	NA	9.60	6,942.29	NA	2 - 10	Chinle/Alluvium Interface
MKTF-20	03/02/22	4.00	9.60	ND	NA	DRY	NA	NA	2 - 10	Chinle/Alluvium Interface
MKTF-20	04/27/22	4.00	9.60	ND	NA	DRY	NA	NA	2 - 10	Chinle/Alluvium Interface
MKTF-20	05/05/22	4.00	9.60	ND	NA	DRY	NA	NA	2 - 10	Chinle/Alluvium Interface
MKTF-20	06/01/22	4.00	9.60	ND	NA	DRY	NA	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) ¹	SPH Column Thickness (ft)	Depth to Water (ft) ¹	Ground-water Elevation (ft)	Corrected Water Table ² Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
MKTF-21	02/28/21	4.00	8.87	ND	NA	7.92	6,944.76	NA	2 - 10	Chinle/Alluvium Interface
MKTF-21	03/31/21	4.00	8.87	ND	NA	7.84	6,944.84	NA	2 - 10	Chinle/Alluvium Interface
MKTF-21	04/26/21	4.00	8.87	ND	NA	7.39	6,945.29	NA	2 - 10	Chinle/Alluvium Interface
MKTF-21	05/20/21	4.00	8.87	ND	NA	7.51	6,945.17	NA	2 - 10	Chinle/Alluvium Interface
MKTF-21	06/01/21	4.00	8.87	ND	NA	7.09	6,945.59	NA	2 - 10	Chinle/Alluvium Interface
MKTF-21	07/07/21	4.00	8.87	ND	NA	8.07	6,944.61	NA	2 - 10	Chinle/Alluvium Interface
MKTF-21	08/02/21	4.00	8.87	ND	NA	8.75	6,943.93	NA	2 - 10	Chinle/Alluvium Interface
MKTF-21	09/08/21	4.00	8.87	ND	NA	8.91	6,943.77	NA	2 - 10	Chinle/Alluvium Interface
MKTF-21	10/27/21	4.00	8.87	ND	NA	8.36	6,944.32	NA	2 - 10	Chinle/Alluvium Interface
MKTF-21	11/17/21	4.00	8.87	ND	NA	8.53	6,944.15	NA	2 - 10	Chinle/Alluvium Interface
MKTF-21	12/03/21	4.00	8.87	ND	NA	8.96	6,943.72	NA	2 - 10	Chinle/Alluvium Interface
MKTF-21	01/10/22	4.00	8.87	ND	NA	8.93	6,943.75	NA	2 - 10	Chinle/Alluvium Interface
MKTF-21	02/28/22	4.00	8.87	ND	NA	8.96	6,943.72	NA	2 - 10	Chinle/Alluvium Interface
MKTF-21	03/02/22	4.00	8.87	ND	NA	DRY	NA	NA	2 - 10	Chinle/Alluvium Interface
MKTF-21	04/27/22	4.00	8.87	ND	NA	8.37	6,944.31	NA	2 - 10	Chinle/Alluvium Interface
MKTF-21	05/05/22	4.00	8.87	ND	NA	8.95	6,943.73	NA	2 - 10	Chinle/Alluvium Interface
MKTF-21	06/01/22	4.00	8.87	ND	NA	8.96	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) ¹	SPH Column Thickness (ft)	Depth to Water (ft) ¹	Ground-water Elevation (ft)	Corrected Water Table ² Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
MKTF-22	01/28/21	2.00	35.09	22.73	2.69	25.42	6,914.34	6916.49	22 - 32	Chinle/Alluvium Interface
MKTF-22	02/28/21	2.00	35.66	22.62	2.68	25.30	6,914.46	6916.60	22 - 32	Chinle/Alluvium Interface
MKTF-22	03/31/21	2.00	35.66	23.22	1.48	24.70	6,915.06	6916.24	22 - 32	Chinle/Alluvium Interface
MKTF-22	04/26/21	2.00	35.66	23.46	0.22	23.68	6,916.08	6916.26	22 - 32	Chinle/Alluvium Interface
MKTF-22	05/20/21	2.00	35.66	22.60	1.83	24.43	6,915.33	6916.79	22 - 32	Chinle/Alluvium Interface
MKTF-22	06/01/21	2.00	35.66	23.55	2.10	25.65	6,914.11	6915.79	22 - 32	Chinle/Alluvium Interface
MKTF-22	07/21/21	2.00	35.66	22.72	2.88	25.60	6,914.16	6916.46	22 - 32	Chinle/Alluvium Interface
MKTF-22	08/25/21	2.00	35.66	23.04	2.04	25.08	6,914.68	6916.31	22 - 32	Chinle/Alluvium Interface
MKTF-22	09/09/21	2.00	35.66	23.09	1.97	25.06	6,914.70	6916.28	22 - 32	Chinle/Alluvium Interface
MKTF-22	10/27/21	2.00	35.66	23.00	1.99	24.99	6,914.77	6916.36	22 - 32	Chinle/Alluvium Interface
MKTF-22	11/02/21	2.00	35.66	22.98	2.05	25.03	6,914.73	6916.37	22 - 32	Chinle/Alluvium Interface
MKTF-22	12/03/21	2.00	35.66	22.90	2.07	24.97	6,914.79	6916.45	22 - 32	Chinle/Alluvium Interface
MKTF-22	01/10/22	2.00	35.66	22.69	2.13	24.82	6,914.94	6916.64	22 - 32	Chinle/Alluvium Interface
MKTF-22	02/28/22	2.00	35.66	22.77	1.18	23.95	6,915.81	6916.75	22 - 32	Chinle/Alluvium Interface
MKTF-22	03/02/22	2.00	35.68	22.86	2.08	24.94	6,914.82	6916.48	22 - 32	Chinle/Alluvium Interface
MKTF-22	04/27/22	2.00	35.68	23.41	0.25	23.66	6,916.10	6916.30	22 - 32	Chinle/Alluvium Interface
MKTF-22	05/04/22	2.00	35.68	23.31	0.97	24.28	6,915.48	6916.26	22 - 32	Chinle/Alluvium Interface
MKTF-22	06/01/22	2.00	35.70	23.10	2.28	25.38	6,914.38	6916.20	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) ¹	SPH Column Thickness (ft)	Depth to Water (ft) ¹	Ground-water Elevation (ft)	Corrected Water Table ² Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
MKTF-23	01/28/21	2.00	20.76	11.47	0.01	11.48	6,915.75	6,915.76	7 - 17	Chinle/Alluvium Interface
MKTF-23	02/28/21	2.00	20.41	11.63	0.01	11.64	6,915.59	6,915.60	7 - 17	Chinle/Alluvium Interface
MKTF-23	03/31/21	2.00	20.41	ND	NA	11.46	6,915.77	NA	7 - 17	Chinle/Alluvium Interface
MKTF-23	04/26/21	2.00	20.41	ND	NA	11.15	6,916.08	NA	7 - 17	Chinle/Alluvium Interface
MKTF-23	05/20/21	2.00	20.41	ND	NA	11.44	6,915.79	NA	7 - 17	Chinle/Alluvium Interface
MKTF-23	06/01/21	2.00	20.41	ND	NA	11.23	6,916.00	NA	7 - 17	Chinle/Alluvium Interface
MKTF-23	07/21/21	2.00	20.41	12.00	0.01	12.01	6,915.22	6,915.23	7 - 17	Chinle/Alluvium Interface
MKTF-23	08/25/21	2.00	20.41	11.63	0.02	11.65	6,915.58	6,915.60	7 - 17	Chinle/Alluvium Interface
MKTF-23	09/08/21	2.00	20.41	11.69	0.03	11.72	6,915.51	6,915.53	7 - 17	Chinle/Alluvium Interface
MKTF-23	10/27/21	2.00	20.41	11.47	0.02	11.49	6,915.74	6,915.76	7 - 17	Chinle/Alluvium Interface
MKTF-23	11/17/21	2.00	20.41	11.46	0.04	11.50	6,915.73	6,915.76	7 - 17	Chinle/Alluvium Interface
MKTF-23	12/03/21	2.00	20.41	11.54	0.05	11.59	6,915.64	6,915.68	7 - 17	Chinle/Alluvium Interface
MKTF-23	01/10/22	2.00	20.41	11.69	0.10	11.79	6,915.44	6,915.52	7 - 17	Chinle/Alluvium Interface
MKTF-23	02/28/22	2.00	20.41	11.65	0.12	11.77	6,915.46	6,915.56	7 - 17	Chinle/Alluvium Interface
MKTF-23	03/01/22	2.00	20.40	11.52	0.05	11.57	6,915.66	6,915.70	7 - 17	Chinle/Alluvium Interface
MKTF-23	04/27/22	2.00	20.40	11.56	0.04	11.60	6,915.63	6,915.66	7 - 17	Chinle/Alluvium Interface
MKTF-23	05/05/22	2.00	20.40	11.54	0.04	11.58	6,915.65	6,915.68	7 - 17	Chinle/Alluvium Interface
MKTF-23	06/01/22	2.00	20.43	11.55	0.05	11.60	6,915.63	6,915.67	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) ¹	SPH Column Thickness (ft)	Depth to Water (ft) ¹	Ground-water Elevation (ft)	Corrected Water Table ² Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
MKTF-24	01/28/21	2.00	31.23	ND	NA	20.61	6,905.46	NA	18 - 28	Chinle/Alluvium Interface
MKTF-24	02/27/21	2.00	31.47	ND	NA	20.32	6,905.75	NA	18 - 28	Chinle/Alluvium Interface
MKTF-24	03/31/21	2.00	31.47	ND	NA	20.51	6,905.56	NA	18 - 28	Chinle/Alluvium Interface
MKTF-24	04/26/21	2.00	31.47	ND	NA	21.51	6,904.56	NA	18 - 28	Chinle/Alluvium Interface
MKTF-24	05/20/21	2.00	31.47	ND	NA	20.56	6,905.51	NA	18 - 28	Chinle/Alluvium Interface
MKTF-24	06/01/21	2.00	31.47	ND	NA	20.75	6,905.32	NA	18 - 28	Chinle/Alluvium Interface
MKTF-24	07/21/21	2.00	31.47	ND	NA	18.51	6,907.56	NA	18 - 28	Chinle/Alluvium Interface
MKTF-24	08/26/21	2.00	31.47	ND	NA	21.03	6,905.04	NA	18 - 28	Chinle/Alluvium Interface
MKTF-24	09/08/21	2.00	31.40	ND	NA	21.35	6,904.72	NA	18 - 28	Chinle/Alluvium Interface
MKTF-24	10/27/21	2.00	31.40	ND	NA	21.05	6,905.02	NA	18 - 28	Chinle/Alluvium Interface
MKTF-24	11/17/21	2.00	31.40	ND	NA	21.00	6,905.07	NA	18 - 28	Chinle/Alluvium Interface
MKTF-24	12/15/21	2.00	31.42	ND	NA	20.90	6,905.17	NA	18 - 28	Chinle/Alluvium Interface
MKTF-24	01/10/22	2.00	31.42	ND	NA	20.57	6,905.50	NA	18 - 28	Chinle/Alluvium Interface
MKTF-24	02/28/22	2.00	31.42	ND	NA	20.55	6,905.52	NA	18 - 28	Chinle/Alluvium Interface
MKTF-24	03/02/22	2.00	31.40	ND	NA	20.95	6,905.12	NA	18 - 28	Chinle/Alluvium Interface
MKTF-24	04/27/22	2.00	31.40	ND	NA	21.26	6,904.81	NA	18 - 28	Chinle/Alluvium Interface
MKTF-24	05/05/22	2.00	31.40	ND	NA	20.90	6,905.17	NA	18 - 28	Chinle/Alluvium Interface
MKTF-24	06/01/22	2.00	31.40	20.76	0.02	20.78	6,905.29	6905.31	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) ¹	SPH Column Thickness (ft)	Depth to Water (ft) ¹	Ground-water Elevation (ft)	Corrected Water Table ² Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
MKTF-25	01/28/21	2.00	20.38	ND	NA	10.70	6,902.65	NA	6 - 16	Chinle/Alluvium Interface
MKTF-25	02/27/21	2.00	20.09	ND	NA	10.62	6,902.73	NA	6 - 16	Chinle/Alluvium Interface
MKTF-25	03/31/21	2.00	20.09	ND	NA	10.57	6,902.78	NA	6 - 16	Chinle/Alluvium Interface
MKTF-25	04/26/21	2.00	20.09	ND	NA	11.30	6,902.05	NA	6 - 16	Chinle/Alluvium Interface
MKTF-25	05/20/21	2.00	20.09	ND	NA	10.48	6,902.87	NA	6 - 16	Chinle/Alluvium Interface
MKTF-25	06/01/21	2.00	20.09	ND	NA	10.72	6,902.63	NA	6 - 16	Chinle/Alluvium Interface
MKTF-25	07/21/21	2.00	20.09	ND	NA	10.04	6,903.31	NA	6 - 16	Chinle/Alluvium Interface
MKTF-25	08/26/21	2.00	20.09	ND	NA	11.30	6,902.05	NA	6 - 16	Chinle/Alluvium Interface
MKTF-25	09/08/21	2.00	20.09	ND	NA	11.61	6,901.74	NA	6 - 16	Chinle/Alluvium Interface
MKTF-25	10/27/21	2.00	20.09	ND	NA	11.07	6,902.28	NA	6 - 16	Chinle/Alluvium Interface
MKTF-25	11/17/21	2.00	20.09	ND	NA	11.04	6,902.31	NA	6 - 16	Chinle/Alluvium Interface
MKTF-25	12/16/21	2.00	20.07	ND	NA	10.88	6,902.47	NA	6 - 16	Chinle/Alluvium Interface
MKTF-25	01/10/22	2.00	20.07	ND	NA	10.71	6,902.64	NA	6 - 16	Chinle/Alluvium Interface
MKTF-25	02/28/22	2.00	20.07	ND	NA	10.66	6,902.69	NA	6 - 16	Chinle/Alluvium Interface
MKTF-25	03/02/22	2.00	20.08	ND	NA	10.86	6,902.49	NA	6 - 16	Chinle/Alluvium Interface
MKTF-25	04/27/22	2.00	20.08	ND	NA	11.30	6,902.05	NA	6 - 16	Chinle/Alluvium Interface
MKTF-25	05/05/22	2.00	20.08	ND	NA	11.17	6,902.18	NA	6 - 16	Chinle/Alluvium Interface
MKTF-25	06/01/22	2.00	20.08	10.79	0.02	10.81	6,902.54	6902.56	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) ¹	SPH Column Thickness (ft)	Depth to Water (ft) ¹	Ground-water Elevation (ft)	Corrected Water Table ² Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
MKTF-26	01/28/21	2.00	17.16	6.17	0.27	6.44	6,906.11	6906.33	4 - 14	Chinle/Alluvium Interface
MKTF-26	02/27/21	2.00	16.90	6.12	0.17	6.29	6,906.26	6906.40	4 - 14	Chinle/Alluvium Interface
MKTF-26	03/31/21	2.00	16.90	6.24	0.11	6.35	6,906.20	6906.29	4 - 14	Chinle/Alluvium Interface
MKTF-26	04/26/21	2.00	16.90	6.05	0.11	6.16	6,906.39	6906.48	4 - 14	Chinle/Alluvium Interface
MKTF-26	05/20/21	2.00	16.90	6.26	0.12	6.38	6,906.17	6906.27	4 - 14	Chinle/Alluvium Interface
MKTF-26	06/01/21	2.00	16.90	6.34	0.09	6.43	6,906.12	6906.19	4 - 14	Chinle/Alluvium Interface
MKTF-26	07/07/21	2.00	16.90	ND	NA	6.58	6,905.97	NA	4 - 14	Chinle/Alluvium Interface
MKTF-26	08/26/21	2.00	16.90	6.22	0.02	6.24	6,906.31	6906.33	4 - 14	Chinle/Alluvium Interface
MKTF-26	09/09/21	2.00	16.90	6.26	0.02	6.28	6,906.27	6906.29	4 - 14	Chinle/Alluvium Interface
MKTF-26	10/27/21	2.00	16.90	6.14	0.02	6.16	6,906.39	6906.41	4 - 14	Chinle/Alluvium Interface
MKTF-26	11/02/21	2.00	16.90	ND	NA	6.12	6,906.43	NA	4 - 14	Chinle/Alluvium Interface
MKTF-26	12/09/21	2.00	16.90	6.01	0.19	6.20	6,906.35	6906.50	4 - 14	Chinle/Alluvium Interface
MKTF-26	01/10/22	2.00	16.90	ND	NA	6.06	6,906.49	NA	4 - 14	Chinle/Alluvium Interface
MKTF-26	02/28/22	2.00	16.90	ND	NA	6.05	6,906.50	NA	4 - 14	Chinle/Alluvium Interface
MKTF-26	03/02/22	2.00	16.90	6.03	0.18	6.21	6,906.34	6906.48	4 - 14	Chinle/Alluvium Interface
MKTF-26	04/27/22	2.00	16.90	6.09	0.10	6.19	6,906.36	6906.44	4 - 14	Chinle/Alluvium Interface
MKTF-26	05/05/22	2.00	16.90	6.08	0.12	6.20	6,906.35	6906.45	4 - 14	Chinle/Alluvium Interface
MKTF-26	06/01/22	2.00	16.90	6.20	0.02	6.22	6,906.33	6906.35	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) ¹	SPH Column Thickness (ft)	Depth to Water (ft) ¹	Ground-water Elevation (ft)	Corrected Water Table ² Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
MKTF-27	01/28/21	2.00	14.74	ND	NA	4.08	6,911.28	NA	1 - 12	Chinle/Alluvium Interface
MKTF-27	02/28/21	2.00	14.76	ND	NA	2.97	6,912.39	NA	1 - 12	Chinle/Alluvium Interface
MKTF-27	03/31/21	2.00	14.76	ND	NA	3.94	6,911.42	NA	1 - 12	Chinle/Alluvium Interface
MKTF-27	04/26/21	2.00	14.76	ND	NA	3.64	6,911.72	NA	1 - 12	Chinle/Alluvium Interface
MKTF-27	05/20/21	2.00	14.76	ND	NA	3.98	6,911.38	NA	1 - 12	Chinle/Alluvium Interface
MKTF-27	06/01/21	2.00	14.76	ND	NA	4.15	6,911.21	NA	1 - 12	Chinle/Alluvium Interface
MKTF-27	07/21/21	2.00	14.76	ND	NA	3.21	6,912.15	NA	1 - 12	Chinle/Alluvium Interface
MKTF-27	08/26/21	2.00	14.76	ND	NA	4.04	6,911.32	NA	1 - 12	Chinle/Alluvium Interface
MKTF-27	09/09/21	2.00	14.76	ND	NA	4.46	6,910.90	NA	1 - 12	Chinle/Alluvium Interface
MKTF-27	10/27/21	2.00	14.76	ND	NA	3.98	6,911.38	NA	1 - 12	Chinle/Alluvium Interface
MKTF-27	11/17/21	2.00	14.76	ND	NA	4.01	6,911.35	NA	1 - 12	Chinle/Alluvium Interface
MKTF-27	12/13/21	2.00	14.76	ND	NA	4.07	6,911.29	NA	1 - 12	Chinle/Alluvium Interface
MKTF-27	01/10/22	2.00	14.76	ND	NA	4.33	6,911.03	NA	1 - 12	Chinle/Alluvium Interface
MKTF-27	02/28/22	2.00	14.76	ND	NA	4.31	6,911.05	NA	1 - 12	Chinle/Alluvium Interface
MKTF-27	03/01/22	2.00	14.75	ND	NA	4.04	6,911.32	NA	1 - 12	Chinle/Alluvium Interface
MKTF-27	04/27/22	2.00	14.75	ND	NA	3.86	6,911.50	NA	1 - 12	Chinle/Alluvium Interface
MKTF-27	05/05/22	2.00	14.75	ND	NA	4.07	6,911.29	NA	1 - 12	Chinle/Alluvium Interface
MKTF-27	06/01/22	2.00	14.74	ND	NA	4.58	6,910.78	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) ¹	SPH Column Thickness (ft)	Depth to Water (ft) ¹	Ground-water Elevation (ft)	Corrected Water Table ² Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
MKTF-28	01/28/21	2.00	16.16	ND	NA	6.89	6,911.78	NA	3 - 13	Chinle/Alluvium Interface
MKTF-28	02/28/21	2.00	16.16	ND	NA	5.33	6,913.34	NA	3 - 13	Chinle/Alluvium Interface
MKTF-28	03/31/21	2.00	16.16	ND	NA	5.66	6,913.01	NA	3 - 13	Chinle/Alluvium Interface
MKTF-28	04/26/21	2.00	16.16	ND	NA	5.62	6,913.05	NA	3 - 13	Chinle/Alluvium Interface
MKTF-28	05/20/21	2.00	16.16	ND	NA	5.09	6,913.58	NA	3 - 13	Chinle/Alluvium Interface
MKTF-28	06/01/21	2.00	16.16	ND	NA	5.02	6,913.65	NA	3 - 13	Chinle/Alluvium Interface
MKTF-28	07/21/21	2.00	16.16	ND	NA	5.70	6,912.97	NA	3 - 13	Chinle/Alluvium Interface
MKTF-28	08/26/21	2.00	16.16	ND	NA	6.15	6,912.52	NA	3 - 13	Chinle/Alluvium Interface
MKTF-28	09/09/21	2.00	16.16	ND	NA	5.55	6,913.12	NA	3 - 13	Chinle/Alluvium Interface
MKTF-28	10/27/21	2.00	16.16	ND	NA	8.05	6,910.62	NA	3 - 13	Chinle/Alluvium Interface
MKTF-28	11/17/21	2.00	16.16	ND	NA	5.64	6,913.03	NA	3 - 13	Chinle/Alluvium Interface
MKTF-28	12/13/21	2.00	16.16	ND	NA	4.72	6,913.95	NA	3 - 13	Chinle/Alluvium Interface
MKTF-28	01/10/22	2.00	16.16	ND	NA	4.65	6,914.02	NA	3 - 13	Chinle/Alluvium Interface
MKTF-28	02/28/22	2.00	16.16	ND	NA	4.67	6,914.00	NA	3 - 13	Chinle/Alluvium Interface
MKTF-28	03/01/22	2.00	16.17	ND	NA	4.68	6,913.99	NA	3 - 13	Chinle/Alluvium Interface
MKTF-28	04/27/22	2.00	16.17	ND	NA	4.51	6,914.16	NA	3 - 13	Chinle/Alluvium Interface
MKTF-28	05/05/22	2.00	16.17	ND	NA	4.89	6,913.78	NA	3 - 13	Chinle/Alluvium Interface
MKTF-28	06/01/22	2.00	16.16	ND	NA	6.01	6,912.66	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) ¹	SPH Column Thickness (ft)	Depth to Water (ft) ¹	Ground-water Elevation (ft)	Corrected Water Table ² Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
MKTF-29	01/28/21	2.00	22.85	ND	NA	2.82	6,896.01	NA	10 - 20	Chinle/Alluvium Interface
MKTF-29	02/28/21	2.00	22.83	ND	NA	2.52	6,896.31	NA	10 - 20	Chinle/Alluvium Interface
MKTF-29	03/31/21	2.00	22.83	ND	NA	2.41	6,896.42	NA	10 - 20	Chinle/Alluvium Interface
MKTF-29	04/26/21	2.00	22.83	ND	NA	2.13	6,896.70	NA	10 - 20	Chinle/Alluvium Interface
MKTF-29	05/20/21	2.00	22.83	ND	NA	2.42	6,896.41	NA	10 - 20	Chinle/Alluvium Interface
MKTF-29	06/01/21	2.00	22.83	ND	NA	1.33	6,897.50	NA	10 - 20	Chinle/Alluvium Interface
MKTF-29	07/21/21	2.00	22.83	ND	NA	5.11	6,893.72	NA	10 - 20	Chinle/Alluvium Interface
MKTF-29	08/26/21	2.00	22.83	ND	NA	5.52	6,893.31	NA	10 - 20	Chinle/Alluvium Interface
MKTF-29	09/09/21	2.00	22.83	ND	NA	5.96	6,892.87	NA	10 - 20	Chinle/Alluvium Interface
MKTF-29	10/27/21	2.00	22.83	ND	NA	4.53	6,894.30	NA	10 - 20	Chinle/Alluvium Interface
MKTF-29	11/17/21	2.00	22.83	ND	NA	4.29	6,894.54	NA	10 - 20	Chinle/Alluvium Interface
MKTF-29	12/13/21	2.00	22.83	ND	NA	3.66	6,895.17	NA	10 - 20	Chinle/Alluvium Interface
MKTF-29	01/10/22	2.00	22.83	ND	NA	3.85	6,894.98	NA	10 - 20	Chinle/Alluvium Interface
MKTF-29	02/28/22	2.00	22.83	ND	NA	3.86	6,894.97	NA	10 - 20	Chinle/Alluvium Interface
MKTF-29	03/01/22	2.00	22.84	ND	NA	3.63	6,895.20	NA	10 - 20	Chinle/Alluvium Interface
MKTF-29	04/27/22	2.00	22.84	ND	NA	3.76	6,895.07	NA	10 - 20	Chinle/Alluvium Interface
MKTF-29	05/05/22	2.00	22.84	ND	NA	4.08	6,894.75	NA	10 - 20	Chinle/Alluvium Interface
MKTF-29	06/01/22	2.00	22.85	ND	NA	4.28	6,894.55	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) ¹	SPH Column Thickness (ft)	Depth to Water (ft) ¹	Ground-water Elevation (ft)	Corrected Water Table ² Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
MKTF-30	01/28/21	2.00	23.22	ND	NA	14.09	6,884.01	NA	10 - 20	Chinle/Alluvium Interface
MKTF-30	02/28/21	2.00	22.95	ND	NA	13.63	6,884.47	NA	10 - 20	Chinle/Alluvium Interface
MKTF-30	03/31/21	2.00	22.95	ND	NA	13.70	6,884.40	NA	10 - 20	Chinle/Alluvium Interface
MKTF-30	04/26/21	2.00	22.95	ND	NA	13.50	6,884.60	NA	10 - 20	Chinle/Alluvium Interface
MKTF-30	05/20/21	2.00	22.95	ND	NA	13.69	6,884.41	NA	10 - 20	Chinle/Alluvium Interface
MKTF-30	06/01/21	2.00	22.95	ND	NA	13.62	6,884.48	NA	10 - 20	Chinle/Alluvium Interface
MKTF-30	07/21/21	2.00	22.95	ND	NA	14.33	6,883.77	NA	10 - 20	Chinle/Alluvium Interface
MKTF-30	08/26/21	2.00	22.95	ND	NA	14.62	6,883.48	NA	10 - 20	Chinle/Alluvium Interface
MKTF-30	09/09/21	2.00	22.95	ND	NA	14.69	6,883.41	NA	10 - 20	Chinle/Alluvium Interface
MKTF-30	10/27/21	2.00	22.95	ND	NA	14.60	6,883.50	NA	10 - 20	Chinle/Alluvium Interface
MKTF-30	11/17/21	2.00	22.95	ND	NA	14.62	6,883.48	NA	10 - 20	Chinle/Alluvium Interface
MKTF-30	12/13/21	2.00	22.95	ND	NA	14.51	6,883.59	NA	10 - 20	Chinle/Alluvium Interface
MKTF-30	01/10/22	2.00	22.95	ND	NA	14.43	6,883.67	NA	10 - 20	Chinle/Alluvium Interface
MKTF-30	02/28/22	2.00	22.95	ND	NA	14.47	6,883.63	NA	10 - 20	Chinle/Alluvium Interface
MKTF-30	03/01/22	2.00	22.95	ND	NA	15.00	6,883.10	NA	10 - 20	Chinle/Alluvium Interface
MKTF-30	04/27/22	2.00	22.95	ND	NA	15.40	6,882.70	NA	10 - 20	Chinle/Alluvium Interface
MKTF-30	05/05/22	2.00	22.95	ND	NA	15.30	6,882.80	NA	10 - 20	Chinle/Alluvium Interface
MKTF-30	06/01/22	2.00	22.95	ND	NA	14.93	6,883.17	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) ¹	SPH Column Thickness (ft)	Depth to Water (ft) ¹	Ground-water Elevation (ft)	Corrected Water Table ² Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
MKTF-31	01/28/21	2.00	13.37	ND	NA	6.01	6,898.25	NA	6 - 21	Chinle/Alluvium Interface
MKTF-31	02/28/21	2.00	19.36	ND	NA	5.92	6,898.34	NA	6 - 21	Chinle/Alluvium Interface
MKTF-31	03/31/21	2.00	19.36	ND	NA	6.00	6,898.26	NA	6 - 21	Chinle/Alluvium Interface
MKTF-31	04/26/21	2.00	19.36	ND	NA	5.79	6,898.47	NA	6 - 21	Chinle/Alluvium Interface
MKTF-31	05/20/21	2.00	19.36	ND	NA	5.90	6,898.36	NA	6 - 21	Chinle/Alluvium Interface
MKTF-31	06/01/21	2.00	19.36	ND	NA	5.82	6,898.44	NA	6 - 21	Chinle/Alluvium Interface
MKTF-31	07/21/21	2.00	19.36	ND	NA	6.02	6,898.24	NA	6 - 21	Chinle/Alluvium Interface
MKTF-31	08/26/21	2.00	19.36	ND	NA	6.64	6,897.62	NA	6 - 21	Chinle/Alluvium Interface
MKTF-31	09/09/21	2.00	19.35	ND	NA	6.79	6,897.47	NA	6 - 21	Chinle/Alluvium Interface
MKTF-31	10/27/21	2.00	19.35	ND	NA	6.83	6,897.43	NA	6 - 21	Chinle/Alluvium Interface
MKTF-31	11/17/21	2.00	19.35	ND	NA	6.71	6,897.55	NA	6 - 21	Chinle/Alluvium Interface
MKTF-31	12/15/21	2.00	19.33	ND	NA	6.73	6,897.53	NA	6 - 21	Chinle/Alluvium Interface
MKTF-31	01/10/22	2.00	19.33	ND	NA	6.69	6,897.57	NA	6 - 21	Chinle/Alluvium Interface
MKTF-31	02/28/22	2.00	19.33	ND	NA	6.39	6,897.87	NA	6 - 21	Chinle/Alluvium Interface
MKTF-31	03/02/22	2.00	19.35	ND	NA	6.69	6,897.57	NA	6 - 21	Chinle/Alluvium Interface
MKTF-31	04/27/22	2.00	19.35	ND	NA	7.03	6,897.23	NA	6 - 21	Chinle/Alluvium Interface
MKTF-31	05/05/22	2.00	19.35	ND	NA	6.70	6,897.56	NA	6 - 21	Chinle/Alluvium Interface
MKTF-31	06/01/22	2.00	19.38	ND	NA	6.61	6,897.65	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) ¹	SPH Column Thickness (ft)	Depth to Water (ft) ¹	Ground-water Elevation (ft)	Corrected Water Table ² Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
MKTF-32	01/28/21	2.00	27.82	11.41	0.01	11.41	6,897.03	6897.04	9- 26	Chinle/Alluvium Interface
MKTF-32	02/27/21	2.00	27.79	11.34	0.01	11.35	6,897.09	6897.10	9- 26	Chinle/Alluvium Interface
MKTF-32	03/31/21	2.00	27.79	ND	NA	11.44	6,897.00	NA	9- 26	Chinle/Alluvium Interface
MKTF-32	04/26/21	2.00	27.79	ND	NA	11.23	6,897.21	NA	9- 26	Chinle/Alluvium Interface
MKTF-32	05/20/21	2.00	27.79	ND	NA	11.48	6,896.96	NA	9- 26	Chinle/Alluvium Interface
MKTF-32	06/01/21	2.00	27.79	ND	NA	11.19	6,897.25	NA	9- 26	Chinle/Alluvium Interface
MKTF-32	07/21/21	2.00	27.79	ND	NA	11.55	6,896.89	NA	9- 26	Chinle/Alluvium Interface
MKTF-32	08/25/21	2.00	27.79	ND	NA	12.28	6,896.16	NA	9- 26	Chinle/Alluvium Interface
MKTF-32	09/09/21	2.00	27.79	ND	NA	12.53	6,895.91	NA	9- 26	Chinle/Alluvium Interface
MKTF-32	10/27/21	2.00	27.79	ND	NA	11.80	6,896.64	NA	9- 26	Chinle/Alluvium Interface
MKTF-32	11/17/21	2.00	27.79	ND	NA	11.88	6,896.56	NA	9- 26	Chinle/Alluvium Interface
MKTF-32	12/03/21	2.00	27.50	ND	NA	11.81	6,896.63	NA	9- 26	Chinle/Alluvium Interface
MKTF-32	01/10/22	2.00	27.50	ND	NA	11.58	6,896.86	NA	9- 26	Chinle/Alluvium Interface
MKTF-32	02/28/22	2.00	27.50	ND	NA	11.59	6,896.85	NA	9- 26	Chinle/Alluvium Interface
MKTF-32	03/01/22	2.00	27.78	ND	NA	11.75	6,896.69	NA	9- 26	Chinle/Alluvium Interface
MKTF-32	04/27/22	2.00	27.78	ND	NA	11.53	6,896.91	NA	9- 26	Chinle/Alluvium Interface
MKTF-32	05/05/22	2.00	27.78	ND	NA	11.60	6,896.84	NA	9- 26	Chinle/Alluvium Interface
MKTF-32	06/01/22	2.00	27.80	ND	NA	12.08	6,896.36	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) ¹	SPH Column Thickness (ft)	Depth to Water (ft) ¹	Ground-water Elevation (ft)	Corrected Water Table ² Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
MKTF-33	01/28/21	2.00	33.57	19.42	3.38	22.80	6,913.79	6916.49	20 - 30	Chinle/Alluvium Interface
MKTF-33	02/27/21	2.00	33.28	19.84	0.75	20.59	6,916.00	6916.60	20 - 30	Chinle/Alluvium Interface
MKTF-33	03/31/21	2.00	33.28	20.03	0.22	20.25	6,916.34	6916.52	20 - 30	Chinle/Alluvium Interface
MKTF-33	04/26/21	2.00	33.28	21.00	0.61	21.61	6,914.98	6915.47	20 - 30	Chinle/Alluvium Interface
MKTF-33	05/20/21	2.00	33.28	20.05	0.31	20.36	6,916.23	6916.48	20 - 30	Chinle/Alluvium Interface
MKTF-33	06/01/21	2.00	33.28	19.91	0.38	20.29	6,916.30	6916.60	20 - 30	Chinle/Alluvium Interface
MKTF-33	07/07/21	2.00	33.28	20.19	0.05	20.24	6,916.35	6916.39	20 - 30	Chinle/Alluvium Interface
MKTF-33	08/25/21	2.00	33.28	20.29	0.15	20.44	6,916.15	6916.27	20 - 30	Chinle/Alluvium Interface
MKTF-33	09/09/21	2.00	33.28	20.31	0.18	20.49	6,916.10	6916.24	20 - 30	Chinle/Alluvium Interface
MKTF-33	10/27/21	2.00	33.28	20.22	0.03	20.25	6,916.34	6916.36	20 - 30	Chinle/Alluvium Interface
MKTF-33	11/02/21	2.00	33.28	20.19	0.02	20.21	6,916.38	6916.40	20 - 30	Chinle/Alluvium Interface
MKTF-33	12/03/21	2.00	33.28	20.13	0.04	20.17	6,916.42	6916.45	20 - 30	Chinle/Alluvium Interface
MKTF-33	01/10/22	2.00	33.28	20.04	0.15	20.19	6,916.40	6916.52	20 - 30	Chinle/Alluvium Interface
MKTF-33	02/28/22	2.00	33.28	19.76	0.02	19.78	6,916.81	6916.83	20 - 30	Chinle/Alluvium Interface
MKTF-33	03/01/22	2.00	33.10	20.09	0.04	20.13	6,916.46	6916.49	20 - 30	Chinle/Alluvium Interface
MKTF-33	04/27/22	2.00	33.10	19.99	0.04	20.03	6,916.56	6916.59	20 - 30	Chinle/Alluvium Interface
MKTF-33	05/04/22	2.00	33.10	20.07	0.02	20.09	6,916.50	6916.52	20 - 30	Chinle/Alluvium Interface
MKTF-33	06/01/22	2.00	33.12	20.24	0.06	20.30	6,916.29	6916.34	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) ¹	SPH Column Thickness (ft)	Depth to Water (ft) ¹	Ground-water Elevation (ft)	Corrected Water Table ² Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
MKTF-34	01/28/21	2.00	27.80	ND	NA	16.46	6,925.96	NA	9 - 24	Chinle/Alluvium Interface
MKTF-34	02/28/21	2.00	27.79	15.47	0.01	15.48	6,926.94	6,926.95	9 - 24	Chinle/Alluvium Interface
MKTF-34	03/31/21	2.00	27.79	ND	NA	17.68	6,924.74	NA	9 - 24	Chinle/Alluvium Interface
MKTF-34	04/26/21	2.00	27.79	ND	NA	19.68	6,922.74	NA	9 - 24	Chinle/Alluvium Interface
MKTF-34	05/20/21	2.00	27.79	ND	NA	17.67	6,924.75	NA	9 - 24	Chinle/Alluvium Interface
MKTF-34	06/01/21	2.00	27.79	ND	NA	17.30	6,925.12	NA	9 - 24	Chinle/Alluvium Interface
MKTF-34	07/21/21	2.00	27.79	ND	NA	17.28	6,925.14	NA	9 - 24	Chinle/Alluvium Interface
MKTF-34	08/25/21	2.00	27.79	ND	NA	16.87	6,925.55	NA	9 - 24	Chinle/Alluvium Interface
MKTF-34	09/09/21	2.00	27.79	ND	NA	16.97	6,925.45	NA	9 - 24	Chinle/Alluvium Interface
MKTF-34	10/27/21	2.00	27.79	ND	NA	16.45	6,925.97	NA	9 - 24	Chinle/Alluvium Interface
MKTF-34	11/17/21	2.00	27.79	ND	NA	16.51	6,925.91	NA	9 - 24	Chinle/Alluvium Interface
MKTF-34	12/03/21	2.00	27.79	ND	NA	16.67	6,925.75	NA	9 - 24	Chinle/Alluvium Interface
MKTF-34	01/10/22	2.00	27.79	ND	NA	16.69	6,925.73	NA	9 - 24	Chinle/Alluvium Interface
MKTF-34	02/28/22	2.00	27.79	ND	NA	16.68	6,925.74	NA	9 - 24	Chinle/Alluvium Interface
MKTF-34	03/01/22	2.00	27.72	ND	NA	15.76	6,926.66	NA	9 - 24	Chinle/Alluvium Interface
MKTF-34	04/27/22	2.00	27.72	ND	NA	15.98	6,926.44	NA	9 - 24	Chinle/Alluvium Interface
MKTF-34	05/05/22	2.00	27.72	ND	NA	16.00	6,926.42	NA	9 - 24	Chinle/Alluvium Interface
MKTF-34	06/01/22	2.00	27.72	15.77	0.02	15.79	6,926.63	6,926.65	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) ¹	SPH Column Thickness (ft)	Depth to Water (ft) ¹	Ground-water Elevation (ft)	Corrected Water Table ² Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
MKTF-35	01/28/21	2.00	16.39	ND	NA	9.71	6,942.19	NA	6 - 16	Chinle/Alluvium Interface
MKTF-35	02/28/21	2.00	16.55	ND	NA	9.42	6,942.48	NA	6 - 16	Chinle/Alluvium Interface
MKTF-35	03/31/21	2.00	16.55	ND	NA	9.75	6,942.15	NA	6 - 16	Chinle/Alluvium Interface
MKTF-35	04/26/21	2.00	16.55	ND	NA	10.58	6,941.32	NA	6 - 16	Chinle/Alluvium Interface
MKTF-35	05/20/21	2.00	16.55	ND	NA	9.85	6,942.05	NA	6 - 16	Chinle/Alluvium Interface
MKTF-35	06/01/21	2.00	16.55	ND	NA	9.72	6,942.18	NA	6 - 16	Chinle/Alluvium Interface
MKTF-35	07/21/21	2.00	16.55	ND	NA	9.72	6,942.18	NA	6 - 16	Chinle/Alluvium Interface
MKTF-35	08/25/21	2.00	16.55	ND	NA	9.91	6,941.99	NA	6 - 16	Chinle/Alluvium Interface
MKTF-35	09/09/21	2.00	16.55	ND	NA	10.06	6,941.84	NA	6 - 16	Chinle/Alluvium Interface
MKTF-35	10/27/21	2.00	16.55	ND	NA	10.12	6,941.78	NA	6 - 16	Chinle/Alluvium Interface
MKTF-35	11/17/21	2.00	16.55	ND	NA	10.24	6,941.66	NA	6 - 16	Chinle/Alluvium Interface
MKTF-35	12/02/21	2.00	16.48	ND	NA	10.40	6,941.50	NA	6 - 16	Chinle/Alluvium Interface
MKTF-35	01/10/22	2.00	16.48	ND	NA	10.23	6,941.67	NA	6 - 16	Chinle/Alluvium Interface
MKTF-35	02/28/22	2.00	16.48	ND	NA	10.25	6,941.65	NA	6 - 16	Chinle/Alluvium Interface
MKTF-35	03/01/22	2.00	16.48	ND	NA	10.35	6,941.55	NA	6 - 16	Chinle/Alluvium Interface
MKTF-35	04/27/22	2.00	16.48	ND	NA	10.65	6,941.25	NA	6 - 16	Chinle/Alluvium Interface
MKTF-35	05/05/22	2.00	16.48	ND	NA	10.64	6,941.26	NA	6 - 16	Chinle/Alluvium Interface
MKTF-35	06/01/22	2.00	16.49	ND	NA	10.70	6,941.20	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) ¹	SPH Column Thickness (ft)	Depth to Water (ft) ¹	Ground-water Elevation (ft)	Corrected Water Table ² Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
MKTF-36	01/28/21	2.00	15.58	8.52	0.05	8.57	6,945.33	6945.37	5 - 15	Chinle/Alluvium Interface
MKTF-36	02/28/21	2.00	15.58	8.65	0.01	8.66	6,945.24	6945.25	5 - 15	Chinle/Alluvium Interface
MKTF-36	03/31/21	2.00	15.58	ND	NA	8.75	6,945.15	NA	5 - 15	Chinle/Alluvium Interface
MKTF-36	04/26/21	2.00	15.58	ND	NA	9.30	6,944.60	NA	5 - 15	Chinle/Alluvium Interface
MKTF-36	05/20/21	2.00	15.58	ND	NA	8.69	6,945.21	NA	5 - 15	Chinle/Alluvium Interface
MKTF-36	06/01/21	2.00	15.58	ND	NA	8.50	6,945.40	NA	5 - 15	Chinle/Alluvium Interface
MKTF-36	07/21/21	2.00	15.58	8.59	0.05	8.64	6,945.26	6945.30	5 - 15	Chinle/Alluvium Interface
MKTF-36	08/25/21	2.00	15.58	8.84	0.15	8.99	6,944.91	6945.03	5 - 15	Chinle/Alluvium Interface
MKTF-36	09/08/21	2.00	15.58	8.83	0.12	8.95	6,944.95	6945.05	5 - 15	Chinle/Alluvium Interface
MKTF-36	10/27/21	2.00	15.58	9.09	0.15	9.24	6,944.66	6944.78	5 - 15	Chinle/Alluvium Interface
MKTF-36	11/17/21	2.00	15.58	9.15	0.10	9.25	6,944.65	6944.73	5 - 15	Chinle/Alluvium Interface
MKTF-36	12/09/21	2.00	15.58	8.80	0.19	8.99	6,944.91	6945.06	5 - 15	Chinle/Alluvium Interface
MKTF-36	01/10/22	2.00	15.58	8.76	0.20	8.96	6,944.94	6945.10	5 - 15	Chinle/Alluvium Interface
MKTF-36	02/28/22	2.00	15.58	8.69	0.30	8.99	6,944.91	6945.15	5 - 15	Chinle/Alluvium Interface
MKTF-36	03/02/22	2.00	15.58	8.76	0.18	8.94	6,944.96	6945.10	5 - 15	Chinle/Alluvium Interface
MKTF-36	04/27/22	2.00	15.58	9.46	0.08	9.54	6,944.36	6944.42	5 - 15	Chinle/Alluvium Interface
MKTF-36	05/04/22	2.00	15.58	9.39	0.10	9.49	6,944.41	6944.49	5 - 15	Chinle/Alluvium Interface
MKTF-36	06/01/22	2.00	15.60	8.74	0.17	8.91	6,944.99	6945.13	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) ¹	SPH Column Thickness (ft)	Depth to Water (ft) ¹	Ground-water Elevation (ft)	Corrected Water Table ² Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
MKTF-37	01/28/21	2.00	24.61	9.84	0.01	9.85	6,949.22	6949.23	4 - 24	Chinle/Alluvium Interface
MKTF-37	02/28/21	2.00	24.67	9.85	0.02	9.87	6,949.20	6949.22	4 - 24	Chinle/Alluvium Interface
MKTF-37	03/31/21	2.00	24.67	10.03	0.02	10.05	6,949.02	6949.04	4 - 24	Chinle/Alluvium Interface
MKTF-37	04/26/21	2.00	24.67	10.30	0.03	10.33	6,948.74	6948.76	4 - 24	Chinle/Alluvium Interface
MKTF-37	05/20/21	2.00	24.67	9.99	0.03	10.02	6,949.05	6949.07	4 - 24	Chinle/Alluvium Interface
MKTF-37	06/01/21	2.00	24.67	10.06	0.04	10.10	6,948.97	6949.00	4 - 24	Chinle/Alluvium Interface
MKTF-37	07/21/21	2.00	24.67	10.05	0.41	10.46	6,948.61	6948.94	4 - 24	Chinle/Alluvium Interface
MKTF-37	08/25/21	2.00	24.67	10.60	0.05	10.65	6,948.42	6948.46	4 - 24	Chinle/Alluvium Interface
MKTF-37	09/08/21	2.00	24.67	10.14	0.17	10.31	6,948.76	6948.90	4 - 24	Chinle/Alluvium Interface
MKTF-37	10/27/21	2.00	24.67	10.78	0.02	10.80	6,948.27	6948.29	4 - 24	Chinle/Alluvium Interface
MKTF-37	11/17/21	2.00	24.67	10.62	0.04	10.66	6,948.41	6948.44	4 - 24	Chinle/Alluvium Interface
MKTF-37	12/09/21	2.00	24.67	10.50	0.07	10.57	6,948.50	6948.56	4 - 24	Chinle/Alluvium Interface
MKTF-37	01/10/22	2.00	24.67	11.30	0.15	11.45	6,947.62	6947.74	4 - 24	Chinle/Alluvium Interface
MKTF-37	02/28/22	2.00	24.67	11.20	0.24	11.44	6,947.63	6947.82	4 - 24	Chinle/Alluvium Interface
MKTF-37	03/01/22	2.00	24.69	10.52	0.07	10.59	6,948.48	6948.54	4 - 24	Chinle/Alluvium Interface
MKTF-37	04/27/22	2.00	24.69	11.52	0.23	11.75	6,947.32	6947.50	4 - 24	Chinle/Alluvium Interface
MKTF-37	05/05/22	2.00	24.69	11.31	0.10	11.41	6,947.66	6947.74	4 - 24	Chinle/Alluvium Interface
MKTF-37	06/01/22	2.00	24.70	10.59	0.05	10.64	6,948.43	6948.47	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) ¹	SPH Column Thickness (ft)	Depth to Water (ft) ¹	Ground-water Elevation (ft)	Corrected Water Table ² Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
MKTF-38	02/28/21	2.00	21.30	ND	NA	9.50	6,945.67	NA	5 - 20	Chinle/Alluvium Interface
MKTF-38	02/28/21	2.00	20.34	ND	NA	9.45	6,945.72	NA	5 - 20	Chinle/Alluvium Interface
MKTF-38	03/31/21	2.00	20.34	ND	NA	9.58	6,945.59	NA	5 - 20	Chinle/Alluvium Interface
MKTF-38	04/26/21	2.00	20.34	ND	NA	9.14	6,946.03	NA	5 - 20	Chinle/Alluvium Interface
MKTF-38	05/20/21	2.00	20.34	ND	NA	9.59	6,945.58	NA	5 - 20	Chinle/Alluvium Interface
MKTF-38	06/01/21	2.00	20.34	ND	NA	9.23	6,945.94	NA	5 - 20	Chinle/Alluvium Interface
MKTF-38	07/21/21	2.00	20.34	ND	NA	10.17	6,945.00	NA	5 - 20	Chinle/Alluvium Interface
MKTF-38	08/25/21	2.00	20.34	ND	NA	10.43	6,944.74	NA	5 - 20	Chinle/Alluvium Interface
MKTF-38	09/08/21	2.00	20.34	ND	NA	10.58	6,944.59	NA	5 - 20	Chinle/Alluvium Interface
MKTF-38	10/27/21	2.00	20.34	ND	NA	10.60	6,944.57	NA	5 - 20	Chinle/Alluvium Interface
MKTF-38	11/17/21	2.00	20.34	ND	NA	10.83	6,944.34	NA	5 - 20	Chinle/Alluvium Interface
MKTF-38	12/03/21	2.00	20.34	ND	NA	10.98	6,944.19	NA	5 - 20	Chinle/Alluvium Interface
MKTF-38	01/10/22	2.00	20.34	ND	NA	10.96	6,944.21	NA	5 - 20	Chinle/Alluvium Interface
MKTF-38	02/28/22	2.00	20.34	ND	NA	10.98	6,944.19	NA	5 - 20	Chinle/Alluvium Interface
MKTF-38	03/01/22	2.00	20.28	ND	NA	10.94	6,944.23	NA	5 - 20	Chinle/Alluvium Interface
MKTF-38	04/27/22	2.00	20.28	ND	NA	11.40	6,943.77	NA	5 - 20	Chinle/Alluvium Interface
MKTF-38	05/05/22	2.00	20.28	ND	NA	11.27	6,943.90	NA	5 - 20	Chinle/Alluvium Interface
MKTF-38	06/01/22	2.00	20.30	ND	NA	10.98	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) ¹	SPH Column Thickness (ft)	Depth to Water (ft) ¹	Ground-water Elevation (ft)	Corrected Water Table ² Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
MKTF-39	01/28/21	2.00	15.19	9.67	2.13	11.80	6,942.17	6,943.87	5 - 15	Chinle/Alluvium Interface
MKTF-39	02/28/21	2.00	15.21	9.53	0.71	10.24	6,943.73	6,944.30	5 - 15	Chinle/Alluvium Interface
MKTF-39	03/31/21	2.00	15.21	9.60	0.82	10.42	6,943.55	6,944.21	5 - 15	Chinle/Alluvium Interface
MKTF-39	04/26/21	2.00	15.21	11.38	0.03	11.41	6,942.56	6,942.58	5 - 15	Chinle/Alluvium Interface
MKTF-39	05/20/21	2.00	15.21	9.58	0.86	10.44	6,943.53	6,944.22	5 - 15	Chinle/Alluvium Interface
MKTF-39	06/01/21	2.00	15.21	9.49	0.79	10.28	6,943.69	6,944.32	5 - 15	Chinle/Alluvium Interface
MKTF-39	07/21/21	2.00	15.21	9.05	0.70	9.75	6,944.22	6,944.78	5 - 15	Chinle/Alluvium Interface
MKTF-39	08/25/21	2.00	15.21	9.22	0.40	9.62	6,944.35	6,944.67	5 - 15	Chinle/Alluvium Interface
MKTF-39	09/09/21	2.00	15.21	9.40	0.45	9.85	6,944.12	6,944.48	5 - 15	Chinle/Alluvium Interface
MKTF-39	10/27/21	2.00	15.21	9.97	0.30	10.27	6,943.70	6,943.94	5 - 15	Chinle/Alluvium Interface
MKTF-39	11/02/21	2.00	15.21	9.98	0.35	10.33	6,943.64	6,943.92	5 - 15	Chinle/Alluvium Interface
MKTF-39	12/03/21	2.00	15.21	9.88	0.39	10.27	6,943.70	6,944.01	5 - 15	Chinle/Alluvium Interface
MKTF-39	01/10/22	2.00	15.21	10.78	0.54	11.32	6,942.65	6,943.08	5 - 15	Chinle/Alluvium Interface
MKTF-39	02/28/22	2.00	15.21	10.80	0.54	11.34	6,942.63	6,943.06	5 - 15	Chinle/Alluvium Interface
MKTF-39	03/01/22	2.00	15.20	9.90	0.40	10.30	6,943.67	6,943.99	5 - 15	Chinle/Alluvium Interface
MKTF-39	04/27/22	2.00	15.20	10.44	1.08	11.52	6,942.45	6,943.31	5 - 15	Chinle/Alluvium Interface
MKTF-39	05/04/22	2.00	15.20	11.35	0.85	12.20	6,941.77	6,942.45	5 - 15	Chinle/Alluvium Interface
MKTF-39	06/01/22	2.00	15.20	11.47	0.50	11.97	6,942.00	6,942.40	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) ¹	SPH Column Thickness (ft)	Depth to Water (ft) ¹	Ground-water Elevation (ft)	Corrected Water Table ² Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
MKTF-40	01/28/21	2.00	23.68	ND	NA	11.24	6,880.11	NA	5 - 20	Chinle/Alluvium Interface
MKTF-40	02/28/21	2.00	23.66	ND	NA	11.19	6,880.16	NA	5 - 20	Chinle/Alluvium Interface
MKTF-40	03/31/21	2.00	23.66	ND	NA	11.67	6,879.68	NA	5 - 20	Chinle/Alluvium Interface
MKTF-40	04/26/21	2.00	23.66	ND	NA	12.67	6,878.68	NA	5 - 20	Chinle/Alluvium Interface
MKTF-40	05/20/21	2.00	23.66	ND	NA	11.65	6,879.70	NA	5 - 20	Chinle/Alluvium Interface
MKTF-40	06/01/21	2.00	23.66	ND	NA	11.72	6,879.63	NA	5 - 20	Chinle/Alluvium Interface
MKTF-40	07/21/21	2.00	23.66	ND	NA	10.90	6,880.45	NA	5 - 20	Chinle/Alluvium Interface
MKTF-40	08/25/21	2.00	23.66	ND	NA	11.14	6,880.21	NA	5 - 20	Chinle/Alluvium Interface
MKTF-40	09/08/21	2.00	23.65	ND	NA	11.10	6,880.25	NA	5 - 20	Chinle/Alluvium Interface
MKTF-40	10/27/21	2.00	23.65	ND	NA	11.24	6,880.11	NA	5 - 20	Chinle/Alluvium Interface
MKTF-40	11/17/22	2.00	23.65	ND	NA	11.25	6,880.10	NA	5 - 20	Chinle/Alluvium Interface
MKTF-40	12/16/21	2.00	23.65	ND	NA	11.37	6,879.98	NA	5 - 20	Chinle/Alluvium Interface
MKTF-40	01/10/22	2.00	23.65	ND	NA	11.46	6,879.89	NA	5 - 20	Chinle/Alluvium Interface
MKTF-40	02/28/22	2.00	23.65	ND	NA	11.42	6,879.93	NA	5 - 20	Chinle/Alluvium Interface
MKTF-40	03/01/22	2.00	23.66	ND	NA	11.32	6,880.03	NA	5 - 20	Chinle/Alluvium Interface
MKTF-40	04/27/22	2.00	23.66	ND	NA	12.12	6,879.23	NA	5 - 20	Chinle/Alluvium Interface
MKTF-40	05/05/22	2.00	23.66	ND	NA	12.35	6,879.00	NA	5 - 20	Chinle/Alluvium Interface
MKTF-40	06/01/22	2.00	23.65	ND	NA	12.56	6,878.79	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) ¹	SPH Column Thickness (ft)	Depth to Water (ft) ¹	Ground-water Elevation (ft)	Corrected Water Table ² Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
MKTF-41	01/28/21	2.00	39.94	ND	NA	18.68	6,872.43	NA	22 - 37	Chinle/Alluvium Interface
MKTF-41	02/27/21	2.00	39.85	ND	NA	18.58	6,872.53	NA	22 - 37	Chinle/Alluvium Interface
MKTF-41	03/31/21	2.00	39.85	ND	NA	18.88	6,872.23	NA	22 - 37	Chinle/Alluvium Interface
MKTF-41	04/26/21	2.00	39.85	ND	NA	18.88	6,872.23	NA	22 - 37	Chinle/Alluvium Interface
MKTF-41	05/20/21	2.00	39.85	ND	NA	18.87	6,872.24	NA	22 - 37	Chinle/Alluvium Interface
MKTF-41	06/01/21	2.00	39.85	ND	NA	18.61	6,872.50	NA	22 - 37	Chinle/Alluvium Interface
MKTF-41	07/21/21	2.00	39.85	ND	NA	19.28	6,871.83	NA	22 - 37	Chinle/Alluvium Interface
MKTF-41	08/25/21	2.00	39.85	ND	NA	19.22	6,871.89	NA	22 - 37	Chinle/Alluvium Interface
MKTF-41	09/09/21	2.00	39.85	ND	NA	19.27	6,871.84	NA	22 - 37	Chinle/Alluvium Interface
MKTF-41	10/27/21	2.00	39.85	ND	NA	19.10	6,872.01	NA	22 - 37	Chinle/Alluvium Interface
MKTF-41	11/17/21	2.00	39.85	ND	NA	18.95	6,872.16	NA	22 - 37	Chinle/Alluvium Interface
MKTF-41	12/03/21	2.00	39.80	ND	NA	18.82	6,872.29	NA	22 - 37	Chinle/Alluvium Interface
MKTF-41	01/10/22	2.00	39.80	ND	NA	19.27	6,871.84	NA	22 - 37	Chinle/Alluvium Interface
MKTF-41	02/28/22	2.00	39.80	ND	NA	19.52	6,871.59	NA	22 - 37	Chinle/Alluvium Interface
MKTF-41	03/01/22	2.00	39.76	ND	NA	18.90	6,872.21	NA	22 - 37	Chinle/Alluvium Interface
MKTF-41	04/27/22	2.00	39.76	ND	NA	18.78	6,872.33	NA	22 - 37	Chinle/Alluvium Interface
MKTF-41	05/05/22	2.00	39.76	ND	NA	18.79	6,872.32	NA	22 - 37	Chinle/Alluvium Interface
MKTF-41	06/01/22	2.00	39.77	ND	NA	18.85	6,872.26	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) ¹	SPH Column Thickness (ft)	Depth to Water (ft) ¹	Ground-water Elevation (ft)	Corrected Water Table ² Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
MKTF-42	01/28/21	2.00	32.95	ND	NA	14.32	6,876.10	NA	10 - 30	Chinle/Alluvium Interface
MKTF-42	02/27/21	2.00	33.24	ND	NA	14.30	6,876.12	NA	10 - 30	Chinle/Alluvium Interface
MKTF-42	03/31/21	2.00	33.24	ND	NA	14.64	6,875.78	NA	10 - 30	Chinle/Alluvium Interface
MKTF-42	04/26/21	2.00	33.24	ND	NA	16.38	6,874.04	NA	10 - 30	Chinle/Alluvium Interface
MKTF-42	05/20/21	2.00	33.24	ND	NA	14.57	6,875.85	NA	10 - 30	Chinle/Alluvium Interface
MKTF-42	06/01/21	2.00	33.24	ND	NA	14.54	6,875.88	NA	10 - 30	Chinle/Alluvium Interface
MKTF-42	07/21/21	2.00	33.24	ND	NA	14.52	6,875.90	NA	10 - 30	Chinle/Alluvium Interface
MKTF-42	08/25/21	2.00	33.24	ND	NA	14.42	6,876.00	NA	10 - 30	Chinle/Alluvium Interface
MKTF-42	09/09/21	2.00	33.24	ND	NA	14.45	6,875.97	NA	10 - 30	Chinle/Alluvium Interface
MKTF-42	10/27/21	2.00	33.24	ND	NA	14.28	6,876.14	NA	10 - 30	Chinle/Alluvium Interface
MKTF-42	11/17/21	2.00	33.24	ND	NA	14.36	6,876.06	NA	10 - 30	Chinle/Alluvium Interface
MKTF-42	12/03/22	2.00	33.20	ND	NA	14.27	6,876.15	NA	10 - 30	Chinle/Alluvium Interface
MKTF-42	01/10/22	2.00	33.20	ND	NA	14.68	6,875.74	NA	10 - 30	Chinle/Alluvium Interface
MKTF-42	02/28/22	2.00	33.20	ND	NA	14.67	6,875.75	NA	10 - 30	Chinle/Alluvium Interface
MKTF-42	03/01/22	2.00	33.17	ND	NA	14.67	6,875.75	NA	10 - 30	Chinle/Alluvium Interface
MKTF-42	04/27/22	2.00	33.17	ND	NA	14.60	6,875.82	NA	10 - 30	Chinle/Alluvium Interface
MKTF-42	05/05/22	2.00	33.17	ND	NA	14.59	6,875.83	NA	10 - 30	Chinle/Alluvium Interface
MKTF-42	06/01/22	2.00	33.17	14.72	0.02	14.74	6,875.68	6875.70	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) ¹	SPH Column Thickness (ft)	Depth to Water (ft) ¹	Ground-water Elevation (ft)	Corrected Water Table ² Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
MKTF-43	01/28/21	2.00	16.92	ND	NA	5.91	6,868.21	NA	2 - 12	Chinle/Alluvium Interface
MKTF-43	02/27/21	2.00	16.95	ND	NA	5.89	6,868.23	NA	2 - 12	Chinle/Alluvium Interface
MKTF-43	03/31/21	2.00	16.95	ND	NA	5.71	6,868.41	NA	2 - 12	Chinle/Alluvium Interface
MKTF-43	04/26/21	2.00	16.95	ND	NA	5.88	6,868.24	NA	2 - 12	Chinle/Alluvium Interface
MKTF-43	05/20/21	2.00	16.95	ND	NA	5.69	6,868.43	NA	2 - 12	Chinle/Alluvium Interface
MKTF-43	06/01/21	2.00	16.95	ND	NA	5.83	6,868.29	NA	2 - 12	Chinle/Alluvium Interface
MKTF-43	07/21/21	2.00	16.95	ND	NA	5.20	6,868.92	NA	2 - 12	Chinle/Alluvium Interface
MKTF-43	08/25/21	2.00	16.95	ND	NA	4.85	6,869.27	NA	2 - 12	Chinle/Alluvium Interface
MKTF-43	09/09/21	2.00	16.95	ND	NA	5.17	6,868.95	NA	2 - 12	Chinle/Alluvium Interface
MKTF-43	10/27/21	2.00	16.95	ND	NA	5.52	6,868.60	NA	2 - 12	Chinle/Alluvium Interface
MKTF-43	11/24/21	2.00	16.95	ND	NA	5.77	6,868.35	NA	2 - 12	Chinle/Alluvium Interface
MKTF-43	12/03/21	2.00	16.95	ND	NA	6.17	6,867.95	NA	2 - 12	Chinle/Alluvium Interface
MKTF-43	01/10/22	2.00	16.95	ND	NA	6.10	6,868.02	NA	2 - 12	Chinle/Alluvium Interface
MKTF-43	02/28/22	2.00	16.95	ND	NA	6.09	6,868.03	NA	2 - 12	Chinle/Alluvium Interface
MKTF-43	03/01/22	2.00	16.93	ND	NA	6.26	6,867.86	NA	2 - 12	Chinle/Alluvium Interface
MKTF-43	04/27/22	2.00	16.93	ND	NA	5.68	6,868.44	NA	2 - 12	Chinle/Alluvium Interface
MKTF-43	05/05/22	2.00	16.93	ND	NA	5.73	6,868.39	NA	2 - 12	Chinle/Alluvium Interface
MKTF-43	06/01/22	2.00	16.95	ND	NA	5.26	6,868.86	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) ¹	SPH Column Thickness (ft)	Depth to Water (ft) ¹	Ground-water Elevation (ft)	Corrected Water Table ² Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
MKTF-45	01/28/21	4.00	30.45	15.04	0.13	15.17	6,933.46	6933.56	Unknown	Chinle/Alluvium Interface
MKTF-45	02/27/21	4.00	30.50	12.59	0.01	12.60	6,936.03	6936.04	Unknown	Chinle/Alluvium Interface
MKTF-45	03/31/21	4.00	30.50	14.59	0.02	14.61	6,934.02	6934.04	Unknown	Chinle/Alluvium Interface
MKTF-45	04/26/21	4.00	30.50	15.38	0.03	15.41	6,933.22	6933.24	Unknown	Chinle/Alluvium Interface
MKTF-45	05/20/21	4.00	30.50	14.54	0.51	15.05	6,933.58	6933.99	Unknown	Chinle/Alluvium Interface
MKTF-45	06/01/21	4.00	30.50	15.07	0.02	15.09	6,933.54	6933.56	Unknown	Chinle/Alluvium Interface
MKTF-45	07/07/21	4.00	30.50	ND	NA	13.47	6,935.16	NA	Unknown	Chinle/Alluvium Interface
MKTF-45	08/02/21	4.00	30.50	13.49	0.02	13.51	6,935.12	6935.14	Unknown	Chinle/Alluvium Interface
MKTF-45	09/07/21	4.00	30.50	13.47	0.02	13.49	6,935.14	6935.16	Unknown	Chinle/Alluvium Interface
MKTF-45	10/27/21	4.00	30.50	ND	NA	13.50	6,935.13	NA	Unknown	Chinle/Alluvium Interface
MKTF-45	11/02/21	4.00	30.50	ND	NA	13.46	6,935.17	NA	Unknown	Chinle/Alluvium Interface
MKTF-45	12/09/21	4.00	30.50	13.35	0.04	13.39	6,935.24	6935.27	Unknown	Chinle/Alluvium Interface
MKTF-45	01/10/22	4.00	30.50	ND	NA	13.74	6,934.89	NA	Unknown	Chinle/Alluvium Interface
MKTF-45	02/28/22	4.00	30.50	ND	NA	13.59	6,935.04	NA	Unknown	Chinle/Alluvium Interface
MKTF-45	03/02/22	4.00	30.50	13.32	0.05	13.37	6,935.26	6935.30	Unknown	Chinle/Alluvium Interface
MKTF-45	04/27/22	4.00	30.50	14.12	0.03	14.15	6,934.48	6934.50	Unknown	Chinle/Alluvium Interface
MKTF-45	05/02/22	4.00	30.50	ND	NA	14.28	6,934.35	NA	Unknown	Chinle/Alluvium Interface
MKTF-45	06/01/22	4.00	30.50	14.53	0.14	14.67	6,933.96	6934.07	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) ¹	SPH Column Thickness (ft)	Depth to Water (ft) ¹	Ground-water Elevation (ft)	Corrected Water Table ² Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
MKTF-46	01/28/21	2.00	21.30	ND	NA	8.45	6,946.28	NA	3 - 18	Chinle/Alluvium Interface
MKTF-46	02/27/21	2.00	21.30	ND	NA	7.95	6,946.78	NA	3 - 18	Chinle/Alluvium Interface
MKTF-46	03/31/21	2.00	21.30	ND	NA	8.03	6,946.70	NA	3 - 18	Chinle/Alluvium Interface
MKTF-46	04/26/21	2.00	21.30	ND	NA	8.26	6,946.47	NA	3 - 18	Chinle/Alluvium Interface
MKTF-46	05/20/21	2.00	21.30	ND	NA	8.16	6,946.57	NA	3 - 18	Chinle/Alluvium Interface
MKTF-46	06/01/21	2.00	21.30	ND	NA	8.22	6,946.51	NA	3 - 18	Chinle/Alluvium Interface
MKTF-46	07/21/21	2.00	21.30	ND	NA	8.96	6,945.77	NA	3 - 18	Chinle/Alluvium Interface
MKTF-46	08/25/21	2.00	21.30	ND	NA	9.13	6,945.60	NA	3 - 18	Chinle/Alluvium Interface
MKTF-46	09/09/21	2.00	21.30	ND	NA	9.29	6,945.44	NA	3 - 18	Chinle/Alluvium Interface
MKTF-46	10/27/21	2.00	21.30	ND	NA	9.19	6,945.54	NA	3 - 18	Chinle/Alluvium Interface
MKTF-46	11/17/21	2.00	21.30	ND	NA	9.68	6,945.05	NA	3 - 18	Chinle/Alluvium Interface
MKTF-46	12/03/21	2.00	21.30	ND	NA	9.91	6,944.82	NA	3 - 18	Chinle/Alluvium Interface
MKTF-46	01/10/22	2.00	21.30	ND	NA	10.29	6,944.44	NA	3 - 18	Chinle/Alluvium Interface
MKTF-46	02/28/22	2.00	21.30	ND	NA	10.26	6,944.47	NA	3 - 18	Chinle/Alluvium Interface
MKTF-46	03/01/22	2.00	21.30	ND	NA	9.93	6,944.80	NA	3 - 18	Chinle/Alluvium Interface
MKTF-46	04/27/22	2.00	21.30	ND	NA	10.72	6,944.01	NA	3 - 18	Chinle/Alluvium Interface
MKTF-46	05/05/22	2.00	21.30	ND	NA	10.74	6,943.99	NA	3 - 18	Chinle/Alluvium Interface
MKTF-46	06/01/22	2.00	21.28	ND	NA	11.14	6,943.59	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) ¹	SPH Column Thickness (ft)	Depth to Water (ft) ¹	Ground-water Elevation (ft)	Corrected Water Table ² Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
MKTF-47	01/28/21	2.00	14.31	ND	NA	9.76	6,949.75	NA	4 - 14	Chinle/Alluvium Interface
MKTF-47	02/27/21	2.00	14.30	ND	NA	9.57	6,949.94	NA	4 - 14	Chinle/Alluvium Interface
MKTF-47	03/31/21	2.00	14.30	ND	NA	DRY	NA	NA	4 - 14	Chinle/Alluvium Interface
MKTF-47	04/26/21	2.00	14.30	ND	NA	DRY	NA	NA	4 - 14	Chinle/Alluvium Interface
MKTF-47	05/20/21	2.00	14.30	ND	NA	DRY	NA	NA	4 - 14	Chinle/Alluvium Interface
MKTF-47	06/01/21	2.00	14.30	ND	NA	DRY	NA	NA	4 - 14	Chinle/Alluvium Interface
MKTF-47	07/21/21	2.00	14.30	ND	NA	DRY	NA	NA	4 - 14	Chinle/Alluvium Interface
MKTF-47	08/25/21	2.00	14.30	ND	NA	DRY	NA	NA	4 - 14	Chinle/Alluvium Interface
MKTF-47	09/09/21	2.00	14.30	ND	NA	DRY	NA	NA	4 - 14	Chinle/Alluvium Interface
MKTF-47	10/27/21	2.00	14.30	10.97	0.05	11.02	6,948.49	6948.53	4 - 14	Chinle/Alluvium Interface
MKTF-47	11/17/21	2.00	14.30	11.10	0.04	11.14	6,948.37	6948.40	4 - 14	Chinle/Alluvium Interface
MKTF-47	12/03/21	2.00	14.30	11.39	0.04	11.43	6,948.08	6948.11	4 - 14	Chinle/Alluvium Interface
MKTF-47	01/10/22	2.00	14.30	11.37	0.05	11.42	6,948.09	6948.13	4 - 14	Chinle/Alluvium Interface
MKTF-47	02/28/22	2.00	14.30	11.42	0.05	11.47	6,948.04	6948.08	4 - 14	Chinle/Alluvium Interface
MKTF-47	03/02/22	2.00	14.30	11.42	0.05	11.47	6,948.04	6948.08	4 - 14	Chinle/Alluvium Interface
MKTF-47	04/27/22	2.00	14.30	11.66	0.04	11.70	6,947.81	6947.84	4 - 14	Chinle/Alluvium Interface
MKTF-47	05/05/22	2.00	14.30	11.64	0.02	11.66	6,947.85	6947.87	4 - 14	Chinle/Alluvium Interface
MKTF-47	06/01/22	2.00	14.35	11.37	0.06	11.43	6,948.08	6948.13	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) ¹	SPH Column Thickness (ft)	Depth to Water (ft) ¹	Ground-water Elevation (ft)	Corrected Water Table ² Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
MKTF-48	01/28/21	2.00	21.97	9.70	0.01	9.71	6,949.53	6949.54	2 - 17	Chinle/Alluvium Interface
MKTF-48	02/27/21	2.00	20.95	9.70	0.06	9.76	6,949.48	6949.53	2 - 17	Chinle/Alluvium Interface
MKTF-48	03/31/21	2.00	20.95	9.92	0.24	10.16	6,949.08	6949.27	2 - 17	Chinle/Alluvium Interface
MKTF-48	04/26/21	2.00	20.95	11.22	0.24	11.46	6,947.78	6947.97	2 - 17	Chinle/Alluvium Interface
MKTF-48	05/20/21	2.00	20.95	9.89	0.14	10.03	6,949.21	6949.32	2 - 17	Chinle/Alluvium Interface
MKTF-48	06/01/21	2.00	20.95	10.15	0.24	10.39	6,948.85	6949.04	2 - 17	Chinle/Alluvium Interface
MKTF-48	07/21/21	2.00	20.95	10.51	0.21	10.72	6,948.52	6948.69	2 - 17	Chinle/Alluvium Interface
MKTF-48	08/25/21	2.00	20.95	10.86	0.25	11.11	6,948.13	6948.33	2 - 17	Chinle/Alluvium Interface
MKTF-48	09/09/21	2.00	20.95	10.83	0.22	11.05	6,948.19	6948.37	2 - 17	Chinle/Alluvium Interface
MKTF-48	10/27/21	2.00	20.95	11.04	0.37	11.41	6,947.83	6948.13	2 - 17	Chinle/Alluvium Interface
MKTF-48	11/17/21	2.00	20.95	11.12	0.57	11.69	6,947.55	6948.01	2 - 17	Chinle/Alluvium Interface
MKTF-48	12/03/21	2.00	20.95	11.85	0.54	12.39	6,946.85	6947.28	2 - 17	Chinle/Alluvium Interface
MKTF-48	01/10/22	2.00	20.95	12.07	0.29	12.36	6,946.88	6947.11	2 - 17	Chinle/Alluvium Interface
MKTF-48	02/28/22	2.00	20.95	12.12	0.20	12.32	6,946.92	6947.08	2 - 17	Chinle/Alluvium Interface
MKTF-48	03/02/22	2.00	21.00	11.89	0.45	12.34	6,946.90	6947.26	2 - 17	Chinle/Alluvium Interface
MKTF-48	04/27/22	2.00	21.00	7.89	1.45	9.34	6,949.90	6951.06	2 - 17	Chinle/Alluvium Interface
MKTF-48	05/05/22	2.00	21.00	7.89	1.46	9.35	6,949.89	6951.06	2 - 17	Chinle/Alluvium Interface
MKTF-48	06/01/22	2.00	21.00	7.86	1.45	9.31	6,949.93	6951.09	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) ¹	SPH Column Thickness (ft)	Depth to Water (ft) ¹	Ground-water Elevation (ft)	Corrected Water Table ² Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
MKTF-49	01/28/21	2.00	24.98	ND	NA	18.29	6,925.71	NA	5 - 25	Chinle/Alluvium Interface
MKTF-49	02/28/21	2.00	25.02	ND	NA	18.29	6,925.71	NA	5 - 25	Chinle/Alluvium Interface
MKTF-49	03/31/21	2.00	25.02	ND	NA	18.39	6,925.61	NA	5 - 25	Chinle/Alluvium Interface
MKTF-49	04/26/21	2.00	25.02	ND	NA	17.35	6,926.65	NA	5 - 25	Chinle/Alluvium Interface
MKTF-49	05/20/21	2.00	25.02	ND	NA	18.45	6,925.55	NA	5 - 25	Chinle/Alluvium Interface
MKTF-49	06/01/21	2.00	25.02	ND	NA	18.16	6,925.84	NA	5 - 25	Chinle/Alluvium Interface
MKTF-49	06/01/21	2.00	25.02	ND	NA	18.16	6,925.84	NA	5 - 25	Chinle/Alluvium Interface
MKTF-49	06/16/21	2.00	25.02	18.64	0.68	19.32	6,924.68	6925.22	5 - 25	Chinle/Alluvium Interface
MKTF-49	07/07/21	2.00	25.02	17.99	0.69	18.68	6,925.32	6925.87	5 - 25	Chinle/Alluvium Interface
MKTF-49	08/04/21	2.00	25.02	18.36	1.00	19.36	6,924.64	6925.44	5 - 25	Chinle/Alluvium Interface
MKTF-49	09/09/21	2.00	25.02	18.01	1.06	19.07	6,924.93	6925.78	5 - 25	Chinle/Alluvium Interface
MKTF-49	10/27/21	2.00	25.02	18.04	0.42	18.46	6,925.54	6925.88	5 - 25	Chinle/Alluvium Interface
MKTF-49	11/02/21	2.00	25.02	18.00	0.45	18.45	6,925.55	6925.91	5 - 25	Chinle/Alluvium Interface
MKTF-49	12/03/21	2.00	25.02	17.74	0.29	18.03	6,925.97	6926.20	5 - 25	Chinle/Alluvium Interface
MKTF-49	01/10/22	2.00	25.02	18.34	0.48	18.82	6,925.18	6925.56	5 - 25	Chinle/Alluvium Interface
MKTF-49	02/28/22	2.00	25.02	18.24	0.66	18.90	6,925.10	6925.63	5 - 25	Chinle/Alluvium Interface
MKTF-49	03/02/22	2.00	25.00	17.70	0.18	17.88	6,926.12	6926.26	5 - 25	Chinle/Alluvium Interface
MKTF-49	04/27/22	2.00	25.00	18.79	0.26	19.05	6,924.95	6925.16	5 - 25	Chinle/Alluvium Interface
MKTF-49	05/04/22	2.00	25.00	18.46	2.00	20.46	6,923.54	6925.14	5 - 25	Chinle/Alluvium Interface
MKTF-49	06/01/22	2.00	25.00	18.69	1.20	19.89	6,924.11	6925.07	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) ¹	SPH Column Thickness (ft)	Depth to Water (ft) ¹	Ground-water Elevation (ft)	Corrected Water Table ² Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
MKTF-50	01/28/21	2.00	20.62	ND	NA	13.29	6,926.39	NA	3 - 18	Chinle/Alluvium Interface
MKTF-50	02/28/21	2.00	21.70	ND	NA	13.24	6,926.44	NA	3 - 18	Chinle/Alluvium Interface
MKTF-50	03/31/21	2.00	21.70	ND	NA	13.34	6,926.34	NA	3 - 18	Chinle/Alluvium Interface
MKTF-50	04/26/21	2.00	21.70	ND	NA	13.05	6,926.63	NA	3 - 18	Chinle/Alluvium Interface
MKTF-50	05/20/21	2.00	21.70	ND	NA	13.33	6,926.35	NA	3 - 18	Chinle/Alluvium Interface
MKTF-50	06/01/21	2.00	21.70	ND	NA	13.52	6,926.16	NA	3 - 18	Chinle/Alluvium Interface
MKTF-50	06/16/21	2.00	21.70	13.54	0.17	13.71	6,925.97	6926.11	3 - 18	Chinle/Alluvium Interface
MKTF-50	07/21/21	2.00	21.70	11.61	0.45	12.06	6,927.62	6927.98	3 - 18	Chinle/Alluvium Interface
MKTF-50	08/04/21	2.00	21.70	12.31	0.30	12.61	6,927.07	6927.31	3 - 18	Chinle/Alluvium Interface
MKTF-50	09/09/21	2.00	21.70	12.26	0.28	12.54	6,927.14	6927.36	3 - 18	Chinle/Alluvium Interface
MKTF-50	10/27/21	2.00	21.70	12.34	0.31	12.65	6,927.03	6927.28	3 - 18	Chinle/Alluvium Interface
MKTF-50	11/02/22	2.00	21.70	12.41	0.27	12.68	6,927.00	6927.22	3 - 18	Chinle/Alluvium Interface
MKTF-50	12/09/21	2.00	21.70	12.30	0.26	12.56	6,927.12	6927.33	3 - 18	Chinle/Alluvium Interface
MKTF-50	01/10/22	2.00	21.70	12.36	0.18	12.54	6,927.14	6927.28	3 - 18	Chinle/Alluvium Interface
MKTF-50	02/28/22	2.00	21.70	12.41	0.16	12.57	6,927.11	6927.24	3 - 18	Chinle/Alluvium Interface
MKTF-50	03/02/22	2.00	21.71	12.27	0.30	12.57	6,927.11	6927.35	3 - 18	Chinle/Alluvium Interface
MKTF-50	04/27/22	2.00	21.71	12.66	0.23	12.89	6,926.79	6926.97	3 - 18	Chinle/Alluvium Interface
MKTF-50	05/05/22	2.00	21.71	12.68	0.20	12.88	6,926.80	6926.96	3 - 18	Chinle/Alluvium Interface
MKTF-50	06/01/22	2.00	21.75	12.87	0.31	13.18	6,926.50	6926.75	3 - 18	Chinle/Alluvium Interface

Notes:

¹ = Depth to fluid measured from ground surface² = 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)	Total Well Depth (ft)	Depth to SPH (ft) ¹	SPH Column Thickness (ft)	Depth to Water (ft) ¹	Ground water Elevation (ft)	Corrected Water Table ² Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
GWM-1	04/26/21	2.00	26.40	19.75	0.84	20.59	6,889.63	6890.30	17.5 - 23.5	Chinle/Alluvial Interface
GWM-1	05/20/21	2.00	26.40	19.27	1.26	20.53	6,889.69	6890.70	17.5 - 23.5	Chinle/Alluvial Interface
GWM-1	06/02/21	2.00	26.40	18.87	1.41	20.28	6,889.94	6891.07	17.5 - 23.5	Chinle/Alluvial Interface
GWM-1	07/06/21	2.00	26.40	18.51	1.15	19.66	6,890.56	6891.48	17.5 - 23.5	Chinle/Alluvial Interface
GWM-1	08/25/21	2.00	26.40	18.81	1.23	20.04	6,890.18	6891.16	17.5 - 23.5	Chinle/Alluvial Interface
GWM-1	09/09/21	2.00	26.40	18.85	1.23	20.08	6,890.14	6891.12	17.5 - 23.5	Chinle/Alluvial Interface
GWM-1	10/27/21	2.00	26.40	18.82	1.23	20.05	6,890.17	6891.15	17.5 - 23.5	Chinle/Alluvial Interface
GWM-1	11/17/21	2.00	26.40	18.83	1.25	20.08	6,890.14	6891.14	17.5 - 23.5	Chinle/Alluvial Interface
GWM-1	12/03/21	2.00	26.40	18.50	1.27	19.77	6,890.45	6891.47	17.5 - 23.5	Chinle/Alluvial Interface
GWM-1	01/10/22	2.00	26.40	18.54	2.19	20.73	6,889.49	6891.24	17.5 - 23.5	Chinle/Alluvial Interface
GWM-1	02/28/22	2.00	26.40	18.54	2.20	20.74	6,889.48	6891.24	17.5 - 23.5	Chinle/Alluvial Interface
GWM-1	03/01/22	2.00	26.40	18.45	1.26	19.71	6,890.51	6891.52	17.5 - 23.5	Chinle/Alluvial Interface
GWM-1	04/27/22	2.00	26.40	18.72	1.91	20.63	6,889.59	6891.12	17.5 - 23.5	Chinle/Alluvial Interface
GWM-1	05/05/22	2.00	26.40	18.68	2.04	20.72	6,889.50	6891.13	17.5 - 23.5	Chinle/Alluvial Interface
GWM-1	06/01/22	2.00	26.40	18.64	2.17	20.81	6,889.41	6891.15	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)	Total Well Depth (ft)	Depth to SPH (ft) ¹	SPH Column Thickness (ft)	Depth to Water (ft) ¹	Ground water Elevation (ft)	Corrected Water Table ² Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
GWM-2	04/26/21	2.00	18.08	ND	NA	DRY	NA	NA	3.2 - 16.2	Chinle/Alluvial Interface
GWM-2	05/20/21	2.00	18.08	ND	NA	DRY	NA	NA	3.2 - 16.2	Chinle/Alluvial Interface
GWM-2	06/03/21	2.00	18.08	ND	NA	DRY	NA	NA	3.2 - 16.2	Chinle/Alluvial Interface
GWM-2	07/06/21	2.00	18.08	ND	NA	DRY	NA	NA	3.2 - 16.2	Chinle/Alluvial Interface
GWM-2	08/25/21	2.00	18.08	ND	NA	DRY	NA	NA	3.2 - 16.2	Chinle/Alluvial Interface
GWM-2	09/09/21	2.00	18.08	ND	NA	DRY	NA	NA	3.2 - 16.2	Chinle/Alluvial Interface
GWM-2	10/27/21	2.00	18.08	ND	NA	DRY	NA	NA	3.2 - 16.2	Chinle/Alluvial Interface
GWM-2	11/17/21	2.00	18.08	ND	NA	DRY	NA	NA	3.2 - 16.2	Chinle/Alluvial Interface
GWM-2	12/03/21	2.00	18.08	ND	NA	DRY	NA	NA	3.2 - 16.2	Chinle/Alluvial Interface
GWM-2	01/10/22	2.00	18.08	ND	NA	DRY	NA	NA	3.2 - 16.2	Chinle/Alluvial Interface
GWM-2	02/28/22	2.00	18.08	ND	NA	DRY	NA	NA	3.2 - 16.2	Chinle/Alluvial Interface
GWM-2	03/01/22	2.00	18.08	ND	NA	DRY	NA	NA	3.2 - 16.2	Chinle/Alluvial Interface
GWM-2	04/27/22	2.00	18.08	ND	NA	DRY	NA	NA	3.2 - 16.2	Chinle/Alluvial Interface
GWM-2	05/05/22	2.00	18.08	ND	NA	DRY	NA	NA	3.2 - 16.2	Chinle/Alluvial Interface
GWM-2	06/01/22	2.00	18.08	ND	NA	DRY	NA	NA	3.2 - 16.2	Chinle/Alluvial Interface

**TABLE 2B. FLUID LEVEL MEASUREMENTS FOR NON MKTF WELLS
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) ¹	SPH Column Thickness (ft)	Depth to Water (ft) ¹	Ground water Elevation (ft)	Corrected Water Table ² Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
GWM-3	04/26/21	2.00	19.15	ND	NA	DRY	DRY	NA	3 - 15	Chinle/Alluvial Interface
GWM-3	05/20/21	2.00	19.15	ND	NA	DRY	DRY	NA	3 - 15	Chinle/Alluvial Interface
GWM-3	06/03/21	2.00	19.15	ND	NA	DRY	DRY	NA	3 - 15	Chinle/Alluvial Interface
GWM-3	07/06/21	2.00	19.15	ND	NA	DRY	DRY	NA	3 - 15	Chinle/Alluvial Interface
GWM-3	08/25/21	2.00	19.15	ND	NA	DRY	DRY	NA	3 - 15	Chinle/Alluvial Interface
GWM-3	09/09/21	2.00	19.15	ND	NA	DRY	DRY	NA	3 - 15	Chinle/Alluvial Interface
GWM-3	10/27/21	2.00	19.15	ND	NA	DRY	DRY	NA	3 - 15	Chinle/Alluvial Interface
GWM-3	11/17/21	2.00	19.15	ND	NA	DRY	DRY	NA	3 - 15	Chinle/Alluvial Interface
GWM-3	12/03/21	2.00	19.15	ND	NA	DRY	DRY	NA	3 - 15	Chinle/Alluvial Interface
GWM-3	01/10/22	2.00	19.15	ND	NA	DRY	DRY	NA	3 - 15	Chinle/Alluvial Interface
GWM-3	02/28/22	2.00	19.15	ND	NA	DRY	DRY	NA	3 - 15	Chinle/Alluvial Interface
GWM-3	03/01/22	2.00	19.15	ND	NA	DRY	DRY	NA	3 - 15	Chinle/Alluvial Interface
GWM-3	04/27/22	2.00	19.15	ND	NA	DRY	DRY	NA	3 - 15	Chinle/Alluvial Interface
GWM-3	05/05/22	2.00	19.15	ND	NA	DRY	DRY	NA	3 - 15	Chinle/Alluvial Interface
GWM-3	06/01/22	2.00	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)	Total Well Depth (ft)	Depth to SPH (ft) ¹	SPH Column Thickness (ft)	Depth to Water (ft) ¹	Ground water Elevation (ft)	Corrected Water Table ² Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
KA-3	04/26/21	2.00	23.20	ND	NA	10.59	6,902.70	NA	15 - 25	Chinle/Alluvial Interface
KA-3	05/20/21	2.00	23.20	ND	NA	11.80	6,901.49	NA	15 - 25	Chinle/Alluvial Interface
KA-3	06/03/21	2.00	23.20	ND	NA	11.17	6,902.12	NA	15 - 25	Chinle/Alluvial Interface
KA-3	07/06/21	2.00	23.20	ND	NA	10.21	6,903.08	NA	15 - 25	Chinle/Alluvial Interface
KA-3	08/25/21	2.00	23.20	ND	NA	10.18	6,903.11	NA	15 - 25	Chinle/Alluvial Interface
KA-3	09/08/21	2.00	23.20	ND	NA	10.08	6,903.21	NA	15 - 25	Chinle/Alluvial Interface
KA-3	10/27/21	2.00	23.20	ND	NA	8.75	6,904.54	NA	15 - 25	Chinle/Alluvial Interface
KA-3	11/17/21	2.00	23.20	ND	NA	9.73	6,903.56	NA	15 - 25	Chinle/Alluvial Interface
KA-3	12/13/21	2.00	23.20	ND	NA	10.33	6,902.96	NA	15 - 25	Chinle/Alluvial Interface
KA-3	01/10/22	2.00	23.20	ND	NA	10.21	6,903.08	NA	15 - 25	Chinle/Alluvial Interface
KA-3	02/28/22	2.00	23.20	ND	NA	10.18	6,903.11	NA	15 - 25	Chinle/Alluvial Interface
KA-3	03/01/22	2.00	23.20	ND	NA	10.30	6,902.99	NA	15 - 25	Chinle/Alluvial Interface
KA-3	04/27/22	2.00	23.20	ND	NA	10.86	6,902.43	NA	15 - 25	Chinle/Alluvial Interface
KA-3	05/05/22	2.00	23.20	ND	NA	10.90	6,902.39	NA	15 - 25	Chinle/Alluvial Interface
KA-3	06/01/22	2.00	23.20	ND	NA	11.72	6,901.57	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)	Total Well Depth (ft)	Depth to SPH (ft) ¹	SPH Column Thickness (ft)	Depth to Water (ft) ¹	Ground water Elevation (ft)	Corrected Water Table ² Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
NAPIS-1	04/26/21	2.00	13.94	ND	NA	7.58	6,906.04	NA	3.7 - 13.7	Chinle/Alluvial Interface
NAPIS-1	05/20/21	2.00	13.94	ND	NA	8.28	6,905.34	NA	3.7 - 13.7	Chinle/Alluvial Interface
NAPIS-1	06/03/21	2.00	13.94	ND	NA	7.61	6,906.01	NA	3.7 - 13.7	Chinle/Alluvial Interface
NAPIS-1	07/06/21	2.00	13.94	ND	NA	6.82	6,906.80	NA	3.7 - 13.7	Chinle/Alluvial Interface
NAPIS-1	08/25/21	2.00	13.94	ND	NA	6.73	6,906.89	NA	3.7 - 13.7	Chinle/Alluvial Interface
NAPIS-1	09/08/21	2.00	13.94	6.79	0.01	6.80	6,906.82	6906.83	3.7 - 13.7	Chinle/Alluvial Interface
NAPIS-1	10/27/21	2.00	13.94	6.61	0.01	6.62	6,907.00	6907.01	3.7 - 13.7	Chinle/Alluvial Interface
NAPIS-1	11/17/21	2.00	13.94	6.87	0.03	6.90	6,906.72	6906.74	3.7 - 13.7	Chinle/Alluvial Interface
NAPIS-1	12/03/21	2.00	13.94	7.02	0.02	7.04	6,906.58	6906.60	3.7 - 13.7	Chinle/Alluvial Interface
NAPIS-1	01/10/22	2.00	13.94	7.06	0.03	7.09	6,906.53	6906.55	3.7 - 13.7	Chinle/Alluvial Interface
NAPIS-1	02/28/22	2.00	13.94	7.04	0.04	7.08	6,906.54	6906.57	3.7 - 13.7	Chinle/Alluvial Interface
NAPIS-1	03/01/22	2.00	13.94	7.07	0.02	7.09	6,906.53	6906.55	3.7 - 13.7	Chinle/Alluvial Interface
NAPIS-1	04/27/22	2.00	13.94	7.26	0.05	7.31	6,906.31	6906.35	3.7 - 13.7	Chinle/Alluvial Interface
NAPIS-1	05/05/22	2.00	13.94	7.27	0.07	7.34	6,906.28	6906.34	3.7 - 13.7	Chinle/Alluvial Interface
NAPIS-1	06/01/22	2.00	13.95	7.21	0.03	7.24	6,906.38	6906.40	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)	Total Well Depth (ft)	Depth to SPH (ft) ¹	SPH Column Thickness (ft)	Depth to Water (ft) ¹	Ground water Elevation (ft)	Corrected Water Table ² Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
NAPIS-2	04/26/21	2.00	14.71	ND	NA	9.89	6,903.51	NA	4.2 - 14.2	Chinle/Alluvial Interface
NAPIS-2	05/20/21	2.00	14.74	ND	NA	9.71	6,903.69	NA	4.2 - 14.2	Chinle/Alluvial Interface
NAPIS-2	06/03/21	2.00	14.74	ND	NA	9.85	6,903.55	NA	4.2 - 14.2	Chinle/Alluvial Interface
NAPIS-2	07/06/21	2.00	14.74	ND	NA	8.55	6,904.85	NA	4.2 - 14.2	Chinle/Alluvial Interface
NAPIS-2	08/25/21	2.00	14.74	ND	NA	9.00	6,904.40	NA	4.2 - 14.2	Chinle/Alluvial Interface
NAPIS-2	09/08/21	2.00	14.74	ND	NA	9.03	6,904.37	NA	4.2 - 14.2	Chinle/Alluvial Interface
NAPIS-2	10/27/21	2.00	14.74	ND	NA	8.70	6,904.70	NA	4.2 - 14.2	Chinle/Alluvial Interface
NAPIS-2	11/17/21	2.00	14.74	ND	NA	9.08	6,904.32	NA	4.2 - 14.2	Chinle/Alluvial Interface
NAPIS-2	12/13/21	2.00	14.39	ND	NA	9.19	6,904.21	NA	4.2 - 14.2	Chinle/Alluvial Interface
NAPIS-2	01/10/22	2.00	14.39	ND	NA	9.30	6,904.10	NA	4.2 - 14.2	Chinle/Alluvial Interface
NAPIS-2	02/28/22	2.00	14.39	ND	NA	9.29	6,904.11	NA	4.2 - 14.2	Chinle/Alluvial Interface
NAPIS-2	03/01/22	2.00	14.40	ND	NA	9.15	6,904.25	NA	4.2 - 14.2	Chinle/Alluvial Interface
NAPIS-2	04/27/22	2.00	14.40	ND	NA	9.81	6,903.59	NA	4.2 - 14.2	Chinle/Alluvial Interface
NAPIS-2	05/05/22	2.00	14.40	ND	NA	10.00	6,903.40	NA	4.2 - 14.2	Chinle/Alluvial Interface
NAPIS-2	06/01/22	2.00	14.65	ND	NA	10.80	6,902.60	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)	Total Well Depth (ft)	Depth to SPH (ft) ¹	SPH Column Thickness (ft)	Depth to Water (ft) ¹	Ground water Elevation (ft)	Corrected Water Table ² Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
NAPIS-3	04/26/21	2.00	31.50	ND	NA	9.51	6,903.87	NA	25.4 - 30-4	Chinle/Alluvial Interface
NAPIS-3	05/20/21	2.00	31.50	ND	NA	9.92	6,903.46	NA	25.4 - 30-4	Chinle/Alluvial Interface
NAPIS-3	06/03/21	2.00	31.50	ND	NA	9.93	6,903.45	NA	25.4 - 30-4	Chinle/Alluvial Interface
NAPIS-3	07/06/21	2.00	31.50	ND	NA	8.37	6,905.01	NA	25.4 - 30-4	Chinle/Alluvial Interface
NAPIS-3	08/25/21	2.00	31.50	ND	NA	8.72	6,904.66	NA	25.4 - 30-4	Chinle/Alluvial Interface
NAPIS-3	09/08/21	2.00	31.50	ND	NA	8.77	6,904.61	NA	25.4 - 30-4	Chinle/Alluvial Interface
NAPIS-3	10/27/21	2.00	31.50	ND	NA	8.58	6,904.80	NA	25.4 - 30-4	Chinle/Alluvial Interface
NAPIS-3	11/17/21	2.00	31.50	ND	NA	8.75	6,904.63	NA	25.4 - 30-4	Chinle/Alluvial Interface
NAPIS-3	12/13/21	2.00	31.50	ND	NA	8.85	6,904.53	NA	25.4 - 30-4	Chinle/Alluvial Interface
NAPIS-3	01/10/22	2.00	31.50	ND	NA	8.92	6,904.46	NA	25.4 - 30-4	Chinle/Alluvial Interface
NAPIS-3	02/28/22	2.00	31.50	ND	NA	8.62	6,904.76	NA	25.4 - 30-4	Chinle/Alluvial Interface
NAPIS-3	03/01/22	2.00	31.50	ND	NA	8.80	6,904.58	NA	25.4 - 30-4	Chinle/Alluvial Interface
NAPIS-3	04/27/22	2.00	31.50	ND	NA	8.97	6,904.41	NA	25.4 - 30-4	Chinle/Alluvial Interface
NAPIS-3	05/05/22	2.00	31.50	ND	NA	9.04	6,904.34	NA	25.4 - 30-4	Chinle/Alluvial Interface
NAPIS-3	06/01/22	2.00	31.50	ND	NA	10.63	6,902.75	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)	Total Well Depth (ft)	Depth to SPH (ft) ¹	SPH Column Thickness (ft)	Depth to Water (ft) ¹	Ground water Elevation (ft)	Corrected Water Table ² Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
OAPIS-1	04/26/21	2.00	28.00	ND	NA	10.88	6,903.49	NA	16 - 26	Chinle/Alluvial Interface
OAPIS-1	05/20/21	2.00	28.00	ND	NA	11.52	6,902.85	NA	16 - 26	Chinle/Alluvial Interface
OAPIS-1	06/03/21	2.00	28.00	ND	NA	10.72	6,903.65	NA	16 - 26	Chinle/Alluvial Interface
OAPIS-1	07/06/21	2.00	28.00	ND	NA	10.09	6,904.28	NA	16 - 26	Chinle/Alluvial Interface
OAPIS-1	08/25/21	2.00	28.00	ND	NA	9.14	6,905.23	NA	16 - 26	Chinle/Alluvial Interface
OAPIS-1	09/08/21	2.00	28.00	ND	NA	9.34	6,905.03	NA	16 - 26	Chinle/Alluvial Interface
OAPIS-1	10/27/21	2.00	28.00	ND	NA	9.57	6,904.80	NA	16 - 26	Chinle/Alluvial Interface
OAPIS-1	11/17/21	2.00	28.00	ND	NA	9.78	6,904.59	NA	16 - 26	Chinle/Alluvial Interface
OAPIS-1	12/13/21	2.00	28.00	ND	NA	9.85	6,904.52	NA	16 - 26	Chinle/Alluvial Interface
OAPIS-1	01/10/22	2.00	28.00	ND	NA	9.84	6,904.53	NA	16 - 26	Chinle/Alluvial Interface
OAPIS-1	02/28/22	2.00	28.00	ND	NA	9.80	6,904.57	NA	16 - 26	Chinle/Alluvial Interface
OAPIS-1	03/01/22	2.00	28.00	ND	NA	9.83	6,904.54	NA	16 - 26	Chinle/Alluvial Interface
OAPIS-1	04/27/22	2.00	28.00	ND	NA	9.86	6,904.51	NA	16 - 26	Chinle/Alluvial Interface
OAPIS-1	05/05/22	2.00	28.00	ND	NA	10.05	6,904.32	NA	16 - 26	Chinle/Alluvial Interface
OAPIS-1	06/01/22	2.00	27.96	ND	NA	10.42	6,903.95	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)	Total Well Depth (ft)	Depth to SPH (ft) ¹	SPH Column Thickness (ft)	Depth to Water (ft) ¹	Ground water Elevation (ft)	Corrected Water Table ² Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
OW-57	04/26/21	2.00	27.49	ND	NA	21.28	6,913.43	NA	15 - 25	Chinle/Alluvial Interface
OW-57	05/20/21	2.00	27.19	ND	NA	20.09	6,914.62	NA	15 - 25	Chinle/Alluvial Interface
OW-57	06/02/21	2.00	27.19	ND	NA	21.24	6,913.47	NA	15 - 25	Chinle/Alluvial Interface
OW-57	07/06/21	2.00	27.19	ND	NA	20.04	6,914.67	NA	15 - 25	Chinle/Alluvial Interface
OW-57	08/25/21	2.00	27.19	ND	NA	21.73	6,912.98	NA	15 - 25	Chinle/Alluvial Interface
OW-57	09/09/21	2.00	27.40	ND	NA	21.91	6,912.80	NA	15 - 25	Chinle/Alluvial Interface
OW-57	10/27/21	2.00	27.40	ND	NA	21.91	6,912.80	NA	15 - 25	Chinle/Alluvial Interface
OW-57	11/17/21	2.00	27.40	ND	NA	21.42	6,913.29	NA	15 - 25	Chinle/Alluvial Interface
OW-57	12/13/21	2.00	28.08	ND	NA	21.96	6,912.75	NA	15 - 25	Chinle/Alluvial Interface
OW-57	01/10/22	2.00	28.08	ND	NA	21.84	6,912.87	NA	15 - 25	Chinle/Alluvial Interface
OW-57	02/28/22	2.00	28.08	ND	NA	21.82	6,912.89	NA	15 - 25	Chinle/Alluvial Interface
OW-57	03/01/22	2.00	28.08	ND	NA	22.01	6,912.70	NA	15 - 25	Chinle/Alluvial Interface
OW-57	04/27/22	2.00	28.08	ND	NA	22.36	6,912.35	NA	15 - 25	Chinle/Alluvial Interface
OW-57	05/05/22	2.00	28.08	ND	NA	22.43	6,912.28	NA	15 - 25	Chinle/Alluvial Interface
OW-57	06/01/22	2.00	28.08	ND	NA	22.56	6,912.15	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)	Total Well Depth (ft)	Depth to SPH (ft) ¹	SPH Column Thickness (ft)	Depth to Water (ft) ¹	Ground water Elevation (ft)	Corrected Water Table ² Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
OW-58	04/26/21	2.00	47.95	ND	NA	25.04	6,909.67	NA	38 - 48	Chinle/Alluvial Interface
OW-58	05/20/21	2.00	47.95	ND	NA	23.54	6,911.17	NA	38 - 48	Chinle/Alluvial Interface
OW-58	06/02/21	2.00	47.95	ND	NA	24.84	6,909.87	NA	38 - 48	Chinle/Alluvial Interface
OW-58	07/06/21	2.00	47.95	ND	NA	24.98	6,909.73	NA	38 - 48	Chinle/Alluvial Interface
OW-58	08/25/21	2.00	47.95	ND	NA	25.31	6,909.40	NA	38 - 48	Chinle/Alluvial Interface
OW-58	09/09/21	2.00	47.95	ND	NA	25.41	6,909.30	NA	38 - 48	Chinle/Alluvial Interface
OW-58	10/27/21	2.00	47.95	ND	NA	25.51	6,909.20	NA	38 - 48	Chinle/Alluvial Interface
OW-58	11/17/21	2.00	47.95	ND	NA	25.41	6,909.30	NA	38 - 48	Chinle/Alluvial Interface
OW-58	12/13/21	2.00	47.95	ND	NA	25.42	6,909.29	NA	38 - 48	Chinle/Alluvial Interface
OW-58	01/10/22	2.00	47.95	ND	NA	25.18	6,909.53	NA	38 - 48	Chinle/Alluvial Interface
OW-58	02/28/22	2.00	47.95	ND	NA	25.21	6,909.50	NA	38 - 48	Chinle/Alluvial Interface
OW-58	03/01/22	2.00	47.95	ND	NA	25.51	6,909.20	NA	38 - 48	Chinle/Alluvial Interface
OW-58	04/27/22	2.00	47.95	ND	NA	25.65	6,909.06	NA	38 - 48	Chinle/Alluvial Interface
OW-58	05/05/22	2.00	47.95	ND	NA	25.82	6,908.89	NA	38 - 48	Chinle/Alluvial Interface
OW-58	06/01/22	2.00	47.95	ND	NA	26.01	6,908.70	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)	Total Well Depth (ft)	Depth to SPH (ft) ¹	SPH Column Thickness (ft)	Depth to Water (ft) ¹	Ground water Elevation (ft)	Corrected Water Table ² Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
OW-58A	04/26/21	4.00	36.74	ND	NA	24.11	6,909.28	NA	25 - 33	Chinle/Alluvial Interface
OW-58A	05/20/21	4.00	36.86	ND	NA	23.41	6,909.98	NA	25 - 33	Chinle/Alluvial Interface
OW-58A	06/02/21	4.00	36.86	ND	NA	23.73	6,909.66	NA	25 - 33	Chinle/Alluvial Interface
OW-58A	07/06/21	4.00	36.86	ND	NA	24.02	6,909.37	NA	25 - 33	Chinle/Alluvial Interface
OW-58A	08/25/21	4.00	36.86	ND	NA	24.53	6,908.86	NA	25 - 33	Chinle/Alluvial Interface
OW-58A	09/09/21	4.00	36.40	ND	NA	24.70	6,908.69	NA	25 - 33	Chinle/Alluvial Interface
OW-58A	10/27/21	4.00	36.40	ND	NA	24.80	6,908.59	NA	25 - 33	Chinle/Alluvial Interface
OW-58A	11/17/21	4.00	36.40	ND	NA	24.72	6,908.67	NA	25 - 33	Chinle/Alluvial Interface
OW-58A	12/13/21	4.00	36.40	ND	NA	24.65	6,908.74	NA	25 - 33	Chinle/Alluvial Interface
OW-58A	01/10/22	4.00	36.40	ND	NA	24.43	6,908.96	NA	25 - 33	Chinle/Alluvial Interface
OW-58A	02/28/22	4.00	36.40	ND	NA	24.40	6,908.99	NA	25 - 33	Chinle/Alluvial Interface
OW-58A	03/01/22	4.00	36.35	ND	NA	24.60	6,908.79	NA	25 - 33	Chinle/Alluvial Interface
OW-58A	04/27/22	4.00	36.35	ND	NA	25.24	6,908.15	NA	25 - 33	Chinle/Alluvial Interface
OW-58A	05/05/22	4.00	36.35	ND	NA	25.23	6,908.16	NA	25 - 33	Chinle/Alluvial Interface
OW-58A	06/01/22	4.00	36.35	ND	NA	25.30	6,908.09	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)	Total Well Depth (ft)	Depth to SPH (ft) ¹	SPH Column Thickness (ft)	Depth to Water (ft) ¹	Ground water Elevation (ft)	Corrected Water Table ² Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
OW-61	04/26/21	4.00	33.87	16.54	2.50	18.84	6,940.45	6942.45	8 - 28	Chinle/Alluvial Interface
OW-61	05/20/21	4.00	34.89	16.72	2.84	19.36	6,939.93	6942.20	8 - 28	Chinle/Alluvial Interface
OW-61	06/02/21	4.00	34.89	16.23	2.27	18.30	6,940.99	6942.81	8 - 28	Chinle/Alluvial Interface
OW-61	07/06/21	4.00	34.89	17.29	3.24	20.33	6,938.96	6941.55	8 - 28	Chinle/Alluvial Interface
OW-61	08/04/21	4.00	34.89	17.50	3.40	20.70	6,938.59	6941.31	8 - 28	Chinle/Alluvial Interface
OW-61	09/07/21	4.00	34.87	17.97	3.42	21.19	6,938.10	6940.84	8 - 28	Chinle/Alluvial Interface
OW-61	10/27/21	4.00	34.87	19.16	0.55	19.51	6,939.78	6940.22	8 - 28	Chinle/Alluvial Interface
OW-61	11/15/21	4.00	34.87	19.36	0.64	19.80	6,939.49	6940.00	8 - 28	Chinle/Alluvial Interface
OW-61	12/03/21	4.00	34.87	19.30	0.69	19.79	6,939.50	6940.05	8 - 28	Chinle/Alluvial Interface
OW-61	01/10/22	4.00	34.87	20.59	0.22	20.61	6,938.68	6938.86	8 - 28	Chinle/Alluvial Interface
OW-61	02/28/22	4.00	34.87	20.63	0.18	20.61	6,938.68	6938.82	8 - 28	Chinle/Alluvial Interface
OW-61	03/02/22	4.00	34.87	19.31	0.70	19.81	6,939.48	6940.04	8 - 28	Chinle/Alluvial Interface
OW-61	04/27/22	4.00	34.87	19.74	0.92	20.46	6,938.83	6939.57	8 - 28	Chinle/Alluvial Interface
OW-61	05/09/22	4.00	34.87	22.11	0.62	22.53	6,936.76	6937.26	8 - 28	Chinle/Alluvial Interface
OW-61	06/01/22	4.00	34.87	22.29	0.71	22.80	6,936.49	6937.06	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)	Total Well Depth (ft)	Depth to SPH (ft) ¹	SPH Column Thickness (ft)	Depth to Water (ft) ¹	Ground water Elevation (ft)	Corrected Water Table ² Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
OW-62	04/26/21	4.00	32.47	21.16	0.17	21.22	6,911.99	6912.13	8 - 28	Chinle/Alluvial Interface
OW-62	05/20/21	4.00	32.87	21.03	0.64	21.56	6,911.65	6912.16	8 - 28	Chinle/Alluvial Interface
OW-62	06/02/21	4.00	32.87	20.20	0.25	20.34	6,912.87	6913.07	8 - 28	Chinle/Alluvial Interface
OW-62	07/06/21	4.00	32.87	19.42	0.23	19.54	6,913.67	6913.85	8 - 28	Chinle/Alluvial Interface
OW-62	08/25/21	4.00	32.87	21.21	0.25	21.35	6,911.86	6912.06	8 - 28	Chinle/Alluvial Interface
OW-62	09/09/21	4.00	32.80	20.68	0.21	20.78	6,912.43	6912.60	8 - 28	Chinle/Alluvial Interface
OW-62	10/27/21	4.00	32.80	21.06	0.19	21.14	6,912.07	6912.22	8 - 28	Chinle/Alluvial Interface
OW-62	11/17/21	4.00	32.80	21.02	0.29	21.20	6,912.01	6912.24	8 - 28	Chinle/Alluvial Interface
OW-62	12/09/21	4.00	32.80	21.03	0.34	21.26	6,911.95	6912.22	8 - 28	Chinle/Alluvial Interface
OW-62	01/10/22	4.00	32.80	20.21	0.57	20.67	6,912.54	6913.00	8 - 28	Chinle/Alluvial Interface
OW-62	02/28/22	4.00	32.80	20.25	0.43	20.57	6,912.64	6912.98	8 - 28	Chinle/Alluvial Interface
OW-62	03/02/22	4.00	32.80	23.77	0.38	21.27	6,911.94	6912.24	8 - 28	Chinle/Alluvial Interface
OW-62	04/27/22	4.00	32.80	21.29	0.33	21.64	6,911.57	6911.83	8 - 28	Chinle/Alluvial Interface
OW-62	05/09/22	4.00	32.80	21.09	0.34	21.45	6,911.76	6912.03	8 - 28	Chinle/Alluvial Interface
OW-62	06/01/22	4.00	32.80	20.85	0.35	21.22	6,911.99	6912.27	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)	Total Well Depth (ft)	Depth to SPH (ft) ¹	SPH Column Thickness (ft)	Depth to Water (ft) ¹	Ground water Elevation (ft)	Corrected Water Table ² Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
OW-63	04/26/21	4.00	32.22	ND	NA	18.40	6,912.47	NA	9 - 29	Chinle/Alluvial Interface
OW-63	05/20/21	4.00	32.22	ND	NA	18.52	6,912.35	NA	9 - 29	Chinle/Alluvial Interface
OW-63	06/02/21	4.00	32.22	ND	NA	18.37	6,912.50	NA	9 - 29	Chinle/Alluvial Interface
OW-63	07/06/21	4.00	32.22	ND	NA	20.20	6,910.67	NA	9 - 29	Chinle/Alluvial Interface
OW-63	08/25/21	4.00	32.22	ND	NA	18.74	6,912.13	NA	9 - 29	Chinle/Alluvial Interface
OW-63	09/28/21	4.00	32.22	ND	NA	18.85	6,912.02	NA	9 - 29	Chinle/Alluvial Interface
OW-63	10/27/21	4.00	32.22	ND	NA	18.90	6,911.97	NA	9 - 29	Chinle/Alluvial Interface
OW-63	11/17/21	4.00	32.22	ND	NA	18.87	6,912.00	NA	9 - 29	Chinle/Alluvial Interface
OW-63	12/16/21	4.00	32.22	ND	NA	18.93	6,911.94	NA	9 - 29	Chinle/Alluvial Interface
OW-63	01/10/22	4.00	32.22	ND	NA	18.89	6,911.98	NA	9 - 29	Chinle/Alluvial Interface
OW-63	02/28/22	4.00	32.22	ND	NA	18.93	6,911.94	NA	9 - 29	Chinle/Alluvial Interface
OW-63	03/01/22	4.00	32.22	ND	NA	18.95	6,911.92	NA	9 - 29	Chinle/Alluvial Interface
OW-63	04/27/22	4.00	32.22	ND	NA	19.22	6,911.65	NA	9 - 29	Chinle/Alluvial Interface
OW-63	05/09/22	4.00	32.22	ND	NA	19.29	6,911.58	NA	9 - 29	Chinle/Alluvial Interface
OW-63	06/01/22	4.00	32.22	ND	NA	19.51	6,911.36	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)	Total Well Depth (ft)	Depth to SPH (ft) ¹	SPH Column Thickness (ft)	Depth to Water (ft) ¹	Ground water Elevation (ft)	Corrected Water Table ² Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
OW-64	04/26/21	4.00	27.35	ND	NA	5.51	6,937.81	NA	4 - 24	Chinle/Alluvial Interface
OW-64	05/20/21	4.00	27.35	ND	NA	5.31	6,938.01	NA	4 - 24	Chinle/Alluvial Interface
OW-64	06/02/21	4.00	27.35	ND	NA	5.36	6,937.96	NA	4 - 24	Chinle/Alluvial Interface
OW-64	07/06/21	4.00	27.35	ND	NA	4.63	6,938.69	NA	4 - 24	Chinle/Alluvial Interface
OW-64	08/25/21	4.00	27.35	ND	NA	4.98	6,938.34	NA	4 - 24	Chinle/Alluvial Interface
OW-64	09/09/21	4.00	27.35	ND	NA	5.17	6,938.15	NA	4 - 24	Chinle/Alluvial Interface
OW-64	10/27/21	4.00	27.35	ND	NA	5.13	6,938.19	NA	4 - 24	Chinle/Alluvial Interface
OW-64	11/17/21	4.00	27.35	ND	NA	5.14	6,938.18	NA	4 - 24	Chinle/Alluvial Interface
OW-64	12/28/21	4.00	27.35	ND	NA	4.98	6,938.34	NA	4 - 24	Chinle/Alluvial Interface
OW-64	01/10/22	4.00	27.35	ND	NA	5.03	6,938.29	NA	4 - 24	Chinle/Alluvial Interface
OW-64	02/28/22	4.00	27.35	ND	NA	5.25	6,938.07	NA	4 - 24	Chinle/Alluvial Interface
OW-64	03/02/22	4.00	27.35	ND	NA	4.96	6,938.36	NA	4 - 24	Chinle/Alluvial Interface
OW-64	04/27/22	4.00	27.35	ND	NA	5.90	6,937.42	NA	4 - 24	Chinle/Alluvial Interface
OW-64	05/09/22	4.00	27.35	ND	NA	5.78	6,937.54	NA	4 - 24	Chinle/Alluvial Interface
OW-64	06/01/22	4.00	27.35	ND	NA	5.37	6,937.95	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)	Total Well Depth (ft)	Depth to SPH (ft) ¹	SPH Column Thickness (ft)	Depth to Water (ft) ¹	Ground water Elevation (ft)	Corrected Water Table ² Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
OW-65	04/26/21	4.00	40.25	25.38	5.94	31.07	6,918.88	6923.63	17 - 37	Chinle/Alluvial Interface
OW-65	05/20/21	4.00	39.50	25.53	7.01	32.29	6,917.66	6923.27	17 - 37	Chinle/Alluvial Interface
OW-65	06/02/21	4.00	39.50	24.28	5.75	29.78	6,920.17	6924.77	17 - 37	Chinle/Alluvial Interface
OW-65	07/12/21	4.00	39.50	25.64	6.51	31.90	6,918.05	6923.26	17 - 37	Chinle/Alluvial Interface
OW-65	08/03/21	4.00	39.50	28.28	4.01	29.41	6,920.54	6923.75	17 - 37	Chinle/Alluvial Interface
OW-65	09/07/21	4.00	39.50	28.13	6.13	31.62	6,918.33	6923.23	17 - 37	Chinle/Alluvial Interface
OW-65	10/27/22	4.00	39.50	28.13	6.13	31.62	6,918.33	6923.23	17 - 37	Chinle/Alluvial Interface
OW-65	11/15/21	4.00	39.50	27.94	6.95	32.25	6,917.70	6923.26	17 - 37	Chinle/Alluvial Interface
OW-65	12/03/21	4.00	39.50	27.86	6.98	32.20	6,917.75	6923.33	17 - 37	Chinle/Alluvial Interface
OW-65	01/10/22	4.00	39.50	27.88	6.99	32.23	6,917.72	6923.31	17 - 37	Chinle/Alluvial Interface
OW-65	02/28/22	4.00	39.50	27.87	6.98	32.21	6,917.74	6923.32	17 - 37	Chinle/Alluvial Interface
OW-65	03/02/22	4.00	39.50	27.84	6.93	32.13	6,917.82	6923.36	17 - 37	Chinle/Alluvial Interface
OW-65	04/05/22	4.00	39.50	29.61	4.85	31.82	6,918.13	6922.01	17 - 37	Chinle/Alluvial Interface
OW-65	05/09/22	4.00	39.50	29.85	5.69	32.90	6,917.05	6921.60	17 - 37	Chinle/Alluvial Interface
OW-65	06/01/22	4.00	39.50	27.73	6.96	32.05	6,917.90	6923.47	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)	Total Well Depth (ft)	Depth to SPH (ft) ¹	SPH Column Thickness (ft)	Depth to Water (ft) ¹	Ground water Elevation (ft)	Corrected Water Table ² Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
RW-1	04/26/21	4.00	43.45	29.57	2.08	28.69	6,914.17	6,915.83	25 - 40	Chinle/Alluvial Interface
RW-1	05/20/21	4.00	43.45	29.81	3.18	30.03	6,912.83	6,915.37	25 - 40	Chinle/Alluvial Interface
RW-1	06/01/21	4.00	43.45	30.09	3.09	30.22	6,912.64	6,915.11	25 - 40	Chinle/Alluvial Interface
RW-1	07/12/21	4.00	43.45	29.33	2.30	28.67	6,914.19	6,916.03	25 - 40	Chinle/Alluvial Interface
RW-1	08/25/21	4.00	43.45	30.75	1.50	29.05	6,913.81	6,915.01	25 - 40	Chinle/Alluvial Interface
RW-1	09/09/21	4.00	43.45	30.28	1.49	27.82	6,915.04	6,916.23	25 - 40	Chinle/Alluvial Interface
RW-1	09/09/21	4.00	43.45	31.84	1.18	29.07	6,913.79	6,914.73	25 - 40	Chinle/Alluvial Interface
RW-1	11/15/21	4.00	43.45	30.65	1.15	27.85	6,915.01	6,915.93	25 - 40	Chinle/Alluvial Interface
RW-1	12/03/21	4.00	43.45	30.66	2.07	28.78	6,914.08	6,915.74	25 - 40	Chinle/Alluvial Interface
RW-1	01/10/22	4.00	43.45	30.87	8.00	34.92	6,907.94	6,914.34	25 - 40	Chinle/Alluvial Interface
RW-1	02/28/22	4.00	43.45	30.95	7.98	34.98	6,907.88	6,914.26	25 - 40	Chinle/Alluvial Interface
RW-1	03/02/22	4.00	43.45	30.76	2.02	28.83	6,914.03	6,915.65	25 - 40	Chinle/Alluvial Interface
RW-1	04/27/22	4.00	43.45	31.34	0.25	27.64	6,915.22	6,915.42	25 - 40	Chinle/Alluvial Interface
RW-1	05/09/22	4.00	43.45	31.51	0.41	27.97	6,914.89	6,915.22	25 - 40	Chinle/Alluvial Interface
RW-1	06/01/22	4.00	43.45	31.73	0.12	27.90	6,914.96	6,915.06	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)	Total Well Depth (ft)	Depth to SPH (ft) ¹	SPH Column Thickness (ft)	Depth to Water (ft) ¹	Ground water Elevation (ft)	Corrected Water Table ² Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
RW-2	04/26/21	4.00	40.00	23.80	0.14	21.06	6,905.34	6,905.45	26.1 - 36.1	Chinle/Alluvial Interface
RW-2	05/20/21	4.00	40.00	24.52	0.09	21.73	6,904.67	6,904.74	26.1 - 36.1	Chinle/Alluvial Interface
RW-2	06/01/21	4.00	40.00	24.55	0.06	21.73	6,904.67	6,904.72	26.1 - 36.1	Chinle/Alluvial Interface
RW-2	07/06/21	4.00	40.00	ND	NA	21.54	6,904.86	NA	26.1 - 36.1	Chinle/Alluvial Interface
RW-2	08/09/21	4.00	40.00	ND	NA	22.37	6,904.03	NA	26.1 - 36.1	Chinle/Alluvial Interface
RW-2R	08/31/21	4.00	31.50	22.83	2.67	21.71	6,909.33	6,911.47	11.5 -31.5	Chinle/Alluvial Interface
RW-2R	09/09/21	4.00	31.50	22.88	2.66	21.75	6,909.29	6,911.42	11.5 -31.5	Chinle/Alluvial Interface
RW-2R	10/27/21	4.00	31.50	23.12	2.65	21.98	6,909.06	6,911.18	11.5 -31.5	Chinle/Alluvial Interface
RW-2R	11/15/21	4.00	31.50	23.09	2.49	21.79	6,909.25	6,911.24	11.5 -31.5	Chinle/Alluvial Interface
RW-2R	12/03/21	4.00	31.50	23.12	2.39	21.72	6,909.32	6,911.23	11.5 -31.5	Chinle/Alluvial Interface
RW-2R	01/10/22	4.00	31.50	22.82	2.40	21.43	6,909.61	6,911.53	11.5 -31.5	Chinle/Alluvial Interface
RW-2R	02/28/22	4.00	31.50	22.88	2.36	21.45	6,909.59	6,911.48	11.5 -31.5	Chinle/Alluvial Interface
RW-2R	03/02/22	4.00	31.50	23.06	2.40	21.67	6,909.37	6,911.29	11.5 -31.5	Chinle/Alluvial Interface
RW-2R	04/27/22	4.00	31.50	23.46	2.32	21.99	6,909.05	6,910.91	11.5 -31.5	Chinle/Alluvial Interface
RW-2R	05/09/22	4.00	31.50	23.60	2.37	22.18	6,908.86	6,910.76	11.5 -31.5	Chinle/Alluvial Interface
RW-2R	06/01/22	4.00	31.50	23.82	2.35	22.38	6,908.66	6,910.54	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)	Total Well Depth (ft)	Depth to SPH (ft) ¹	SPH Column Thickness (ft)	Depth to Water (ft) ¹	Ground water Elevation (ft)	Corrected Water Table ² Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
RW-5	04/26/21	4.00	39.51	31.05	1.33	29.72	6,911.81	6,912.87	29.5 - 39.5	Chinle/Alluvial Interface
RW-5	05/20/21	4.00	39.51	31.38	0.14	28.86	6,912.67	6,912.78	29.5 - 39.5	Chinle/Alluvial Interface
RW-5	06/01/21	4.00	39.51	31.20	0.66	29.82	6,911.71	6,912.24	29.5 - 39.5	Chinle/Alluvial Interface
RW-5	07/12/21	4.00	39.51	27.93	2.62	30.87	6,910.66	6,912.76	29.5 - 39.5	Chinle/Alluvial Interface
RW-5	08/25/21	4.00	39.51	28.86	2.88	32.06	6,909.47	6,911.77	29.5 - 39.5	Chinle/Alluvial Interface
RW-5	09/09/21	4.00	39.51	27.98	3.10	31.40	6,910.13	6,912.61	29.5 - 39.5	Chinle/Alluvial Interface
RW-5	10/27/21	4.00	39.51	29.04	2.75	32.11	6,909.42	6,911.62	29.5 - 39.5	Chinle/Alluvial Interface
RW-5	11/15/21	4.00	39.51	27.99	2.40	30.71	6,910.82	6,912.74	29.5 - 39.5	Chinle/Alluvial Interface
RW-5	12/03/21	4.00	39.51	27.95	2.37	30.64	6,910.89	6,912.79	29.5 - 39.5	Chinle/Alluvial Interface
RW-5	01/10/22	4.00	39.51	27.79	2.36	30.47	6,911.06	6,912.95	29.5 - 39.5	Chinle/Alluvial Interface
RW-5	02/28/22	4.00	39.51	27.74	2.38	30.44	6,911.09	6,912.99	29.5 - 39.5	Chinle/Alluvial Interface
RW-5	03/02/22	4.00	39.51	27.94	2.35	30.61	6,910.92	6,912.80	29.5 - 39.5	Chinle/Alluvial Interface
RW-5	04/27/22	4.00	39.51	28.28	2.39	30.99	6,910.54	6,912.45	29.5 - 39.5	Chinle/Alluvial Interface
RW-5	05/09/22	4.00	39.51	28.43	2.47	31.22	6,910.31	6,912.29	29.5 - 39.5	Chinle/Alluvial Interface
RW-5	06/01/22	4.00	39.51	28.60	2.22	31.14	6,910.39	6,912.17	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)	Total Well Depth (ft)	Depth to SPH (ft) ¹	SPH Column Thickness (ft)	Depth to Water (ft) ¹	Ground water Elevation (ft)	Corrected Water Table ² Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
RW-6	04/26/21	4.00	40.85	29.22	0.03	29.56	6,912.40	6,912.42	28.5 - 38.5	Chinle/Alluvial Interface
RW-6	05/20/21	4.00	40.85	29.25	0.03	29.59	6,912.37	6,912.39	28.5 - 38.5	Chinle/Alluvial Interface
RW-6	06/01/21	4.00	40.85	29.75	0.13	30.19	6,911.77	6,911.87	28.5 - 38.5	Chinle/Alluvial Interface
RW-6	07/12/21	4.00	40.85	30.20	3.29	31.44	6,910.52	6,913.15	28.5 - 38.5	Chinle/Alluvial Interface
RW-6	08/03/21	4.00	40.85	29.89	3.20	31.34	6,910.62	6,913.18	28.5 - 38.5	Chinle/Alluvial Interface
RW-6	09/09/21	4.00	40.85	30.04	3.10	31.39	6,910.57	6,913.05	28.5 - 38.5	Chinle/Alluvial Interface
RW-6	10/27/21	4.00	40.85	30.04	3.10	31.39	6,910.57	6,913.05	28.5 - 38.5	Chinle/Alluvial Interface
RW-6	11/15/21	4.00	40.85	31.30	2.85	32.40	6,909.56	6,911.84	28.5 - 38.5	Chinle/Alluvial Interface
RW-6	12/03/21	4.00	40.85	30.10	2.75	31.10	6,910.86	6,913.06	28.5 - 38.5	Chinle/Alluvial Interface
RW-6	01/10/22	4.00	40.85	29.92	2.88	31.05	6,910.91	6,913.21	28.5 - 38.5	Chinle/Alluvial Interface
RW-6	02/28/22	4.00	40.85	29.98	2.72	30.95	6,911.01	6,913.19	28.5 - 38.5	Chinle/Alluvial Interface
RW-6	03/02/22	4.00	40.85	30.08	2.73	31.06	6,910.90	6,913.08	28.5 - 38.5	Chinle/Alluvial Interface
RW-6	04/27/22	4.00	40.85	30.68	1.54	30.47	6,911.49	6,912.72	28.5 - 38.5	Chinle/Alluvial Interface
RW-6	05/09/22	4.00	40.85	30.86	1.54	30.65	6,911.31	6,912.54	28.5 - 38.5	Chinle/Alluvial Interface
RW-6	06/01/22	4.00	40.85	30.45	2.25	30.95	6,911.01	6,912.81	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)	Total Well Depth (ft)	Depth to SPH (ft) ¹	SPH Column Thickness (ft)	Depth to Water (ft) ¹	Ground water Elevation (ft)	Corrected Water Table ² Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
STP1-NW	04/26/21	2.00	48.43	ND	NA	20.84	6,883.66	NA	20 - 50	Chinle/Alluvial Interface
STP1-NW	05/20/21	2.00	47.72	ND	NA	22.22	6,882.28	NA	20 - 50	Chinle/Alluvial Interface
STP1-NW	06/03/21	2.00	47.72	ND	NA	22.19	6,882.31	NA	20 - 50	Chinle/Alluvial Interface
STP1-NW	07/12/21	2.00	47.72	ND	NA	22.35	6,882.15	NA	20 - 50	Chinle/Alluvial Interface
STP1-NW	08/31/21	2.00	47.72	ND	NA	21.78	6,882.72	NA	20 - 50	Chinle/Alluvial Interface
STP1-NW	09/08/21	2.00	47.72	ND	NA	21.78	6,882.72	NA	20 - 50	Chinle/Alluvial Interface
STP1-NW	10/27/21	2.00	47.72	ND	NA	22.03	6,882.47	NA	20 - 50	Chinle/Alluvial Interface
STP1-NW	11/17/21	2.00	47.72	ND	NA	21.81	6,882.69	NA	20 - 50	Chinle/Alluvial Interface
STP1-NW	12/13/21	2.00	47.72	ND	NA	21.55	6,882.95	NA	20 - 50	Chinle/Alluvial Interface
STP1-NW	01/10/22	2.00	47.72	ND	NA	20.97	6,883.53	NA	20 - 50	Chinle/Alluvial Interface
STP1-NW	02/28/22	2.00	47.72	ND	NA	21.12	6,883.38	NA	20 - 50	Chinle/Alluvial Interface
STP1-NW	03/02/22	2.00	47.72	ND	NA	21.58	6,882.92	NA	20 - 50	Chinle/Alluvial Interface
STP1-NW	04/27/22	2.00	47.72	ND	NA	22.90	6,881.60	NA	20 - 50	Chinle/Alluvial Interface
STP1-NW	05/05/22	2.00	47.72	ND	NA	22.70	6,881.80	NA	20 - 50	Chinle/Alluvial Interface
STP1-NW	06/01/22	2.00	47.72	ND	NA	21.30	6,883.20	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)	Total Well Depth (ft)	Depth to SPH (ft) ¹	SPH Column Thickness (ft)	Depth to Water (ft) ¹	Ground water Elevation (ft)	Corrected Water Table ² Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
STP1-SW	04/26/21	2.00	29.16	ND	NA	28.98	6,883.42	NA	15 - 30	Chinle/Alluvial Interface
STP1-SW	05/22/21	2.00	29.16	ND	NA	29.72	6,882.68	NA	15 - 30	Chinle/Alluvial Interface
STP1-SW	06/03/21	2.00	29.16	ND	NA	28.99	6,883.41	NA	15 - 30	Chinle/Alluvial Interface
STP1-SW	07/12/21	2.00	29.16	ND	NA	DRY	NA	NA	15 - 30	Chinle/Alluvial Interface
STP1-SW	08/31/21	2.00	29.16	ND	NA	DRY	NA	NA	15 - 30	Chinle/Alluvial Interface
STP1-SW	09/08/21	2.00	29.16	ND	NA	DRY	NA	NA	15 - 30	Chinle/Alluvial Interface
STP1-SW	10/27/21	2.00	29.16	ND	NA	DRY	NA	NA	15 - 30	Chinle/Alluvial Interface
STP1-SW	11/17/21	2.00	29.16	ND	NA	DRY	NA	NA	15 - 30	Chinle/Alluvial Interface
STP1-SW	12/09/21	2.00	29.16	ND	NA	DRY	NA	NA	15 - 30	Chinle/Alluvial Interface
STP1-SW	01/10/22	2.00	29.16	ND	NA	DRY	NA	NA	15 - 30	Chinle/Alluvial Interface
STP1-SW	02/28/22	2.00	29.16	ND	NA	DRY	NA	NA	15 - 30	Chinle/Alluvial Interface
STP1-SW	03/02/22	2.00	29.16	ND	NA	DRY	NA	NA	15 - 30	Chinle/Alluvial Interface
STP1-SW	04/27/22	2.00	29.16	ND	NA	DRY	NA	NA	15 - 30	Chinle/Alluvial Interface
STP1-SW	05/05/22	2.00	29.16	ND	NA	DRY	NA	NA	15 - 30	Chinle/Alluvial Interface
STP1-SW	06/01/22	2.00	29.16	ND	NA	DRY	NA	NA	15 - 30	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)	Total Well Depth (ft)	Depth to SPH (ft) ¹	SPH Column Thickness (ft)	Depth to Water (ft) ¹	Ground water Elevation (ft)	Corrected Water Table ² Elevation (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
OW-70	09/08/21	2.00	47.70	ND	NA	28.53	6,914.54	NA	32 - 47	Chinle/Alluvial Interface
OW-70	12/16/21	2.00	47.37	ND	NA	28.71	6,914.36	NA	32 - 47	Chinle/Alluvial Interface
OW-70	03/02/22	2.00	47.37	ND	NA	28.76	6,914.31	NA	32 - 47	Chinle/Alluvial Interface
OW-70	06/01/22	2.00	47.37	ND	NA	29.24	6,913.83	NA	32 - 47	Chinle/Alluvial Interface
OW-12A	09/08/21	2.00	35.50	ND	NA	DRY	NA	NA	20 - 35	Chinle/Alluvial Interface
OW-12A	12/16/21	2.00	33.20	ND	NA	26.14	6,917.51	NA	20 - 35	Chinle/Alluvial Interface
OW-12A	03/02/22	2.00	33.20	ND	NA	26.25	6,917.40	NA	20 - 35	Chinle/Alluvial Interface
OW-12A	06/01/22	2.00	33.20	ND	NA	26.79	6,916.86	NA	20 - 35	Chinle/Alluvial Interface

Notes:

¹ = Depth to fluid measured from ground surface

² = 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. APRIL 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	4/4/2022	NA	14.99	Vac Truck	0.00	0.74	2.10	2.10	0.000	17.83	4	No SPH detected
MKTF-5	4/5/2022	14.44	15.08	Post Recovery	0.64							
MKTF-6	4/4/2022	18.26	19.35	Vac Truck	1.09	0.74	4.09	3.29	0.807	23.79	4	
MKTF-6	4/5/2022	18.00	18.95	Post Recovery	0.95							
MKTF-7	4/4/2022	14.65	14.67	Vac Truck	0.02	0.74	2.06	2.04	0.015	17.43	4	
MKTF-7	4/5/2022	13.92	14.00	Post Recovery	0.08							
MKTF-8	4/4/2022	15.51	15.59	Vac Truck	0.08	0.74	4.80	4.74	0.059	22.00	4	
MKTF-8	4/5/2022	15.00	15.33	Post Recovery	0.33							
MKTF-13	4/4/2022	13.46	15.16	Vac Truck	1.70	0.74	6.42	5.16	1.258	22.13	4	
MKTF-13	4/5/2022	13.44	15.78	Post Recovery	2.34							
MKTF-14	4/4/2022	NA	6.98	Vac Truck	0.00	0.74	7.65	7.65	0.000	17.32	4	No SPH detected
MKTF-14	4/5/2022	7.15	7.36	Post Recovery	0.21							
MKTF-17	4/7/2022	12.88	13.12	Vac Truck	0.24	0.16	1.92	1.88	0.039	24.67	2	
MKTF-17	4/8/2022	12.32	12.35	Post Recovery	0.03							
MKTF-20	4/4/2022	NA	9.26	Vac Truck	0.00	0.74	0.27	0.27	0.000	9.62	4	No SPH detected
MKTF-20	4/8/2022	NA	9.42	Post Recovery	0.00							
MKTF-22	4/7/2022	25.82	26.23	Vac Truck	0.41	0.16	1.51	1.44	0.067	35.09	2	
MKTF-22	4/8/2022	25.41	27.49	Post Recovery	2.08							
MKTF-26	4/7/2022	NA	8.64	Vac Truck	0.00	0.16	1.34	1.34	0.000	16.89	2	No SPH detected
MKTF-26	4/8/2022	8.80	8.95	Post Recovery	0.15							
MKTF-33	4/7/2022	23.09	23.11	Vac Truck	0.02	0.16	1.64	1.64	0.003	33.15	2	
MKTF-33	4/8/2022	23.25	23.29	Post Recovery	0.04							
MKTF-39	4/7/2022	11.01	11.85	Vac Truck	0.84	0.74	14.23	13.61	0.622	30.24	4	
MKTF-39	4/8/2022	10.06	11.32	Post Recovery	1.26							
MKTF-45	4/4/2022	NA	14.98	Vac Truck	0.00	0.74	11.29	11.29	0.000	30.24	4	No SPH detected
MKTF-45	4/5/2022	14.28	14.33	Post Recovery	0.05							
MKTF-49	4/7/2022	21.01	22.89	Vac Truck	1.88	0.74	6.83	5.44	1.391	30.24	4	
MKTF-49	4/8/2022	20.46	20.64	Post Recovery	0.18							
						Total Extracted (gal)	66.16	61.90	4.26			

NOTES:

DTP = Depth to product

DTW = Depth to water

SPH = Separate Phase Hydrocarbon

ft = feet

gal = gallons

in = inches

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

Location	Date	DTP (ft)	DTW (ft)	Recovery Method	Product Thickness (ft)	Volume/ Foot (gal)	Total Fluids Pumped/ Recovered (gal)	Water Volume Recovered (gal)	Product Volume Recovered (gal)	Total Depth (ft)	Casing Diameter (in)	Comments
OW-61	4/5/2022	NA	24.19	Vac Truck	0.00	0.74	2.82	2.82	0.000	28.0	4	No SPH detected
OW-61	4/6/2022	21.20	22.40	Post Recovery	1.20							
OW-65	4/5/2022	29.85	34.7	Vac Truck	4.85	0.74	5.29	1.70	3.589	37.0	4	
OW-65	4/6/2022	28.08	33.01	Post Recovery	4.93							
RW-1	4/5/2022	30.59	30.84	Vac Truck	0.25	0.74	9.21	9.03	0.185	43.0	4	
RW-1	4/6/2022	30.98	32.45	Post Recovery	1.47							
RW-2R	4/5/2022	22.84	25.16	Vac Truck	2.32	0.74	12.55	10.83	1.717	39.8	4	
RW-2R	4/6/2022	22.89	24.91	Post Recovery	2.02							
RW-5	4/5/2022	30.64	33.03	Vac Truck	2.39	0.74	6.62	4.85	1.769	39.6	4	
RW-5	4/6/2022	30.80	32.65	Post Recovery	1.85							
RW-6	4/5/2022	30.98	32.52	Vac Truck	1.54	0.74	7.34	6.20	1.140	40.9	4	
RW-6	4/6/2022	30.38	33.11	Post Recovery	2.73							
						Total Extracted (gal)	43.84	35.44	8.40			

NOTES:

DTP = Depth to product

DTW = Depth to water

SPH = Separate Phase Hydrocarbon

ft = feet

gal = gallons

in = inches

Vac = Vacuum

TABLE 3C. MAY 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	5/3/2022	15.48	15.55	Vac Truck	0.07	0.74	1.74	1.69	0.052	17.83	4	
MKTF-5	5/4/2022	15.40	15.45	Post Recovery	0.05							
MKTF-6	5/3/2022	18.63	19.89	Vac Truck	1.26	0.74	3.82	2.89	0.932	23.79	4	
MKTF-6	5/4/2022	18.40	19.10	Post Recovery	0.70							
MKTF-7	5/3/2022	14.90	14.93	Vac Truck	0.03	0.74	1.87	1.85	0.022	17.43	4	
MKTF-7	5/4/2022	14.30	14.32	Post Recovery	0.02							
MKTF-8	5/3/2022	15.78	16.16	Vac Truck	0.38	0.74	4.60	4.32	0.281	22.00	4	
MKTF-8	5/4/2022	15.13	15.57	Post Recovery	0.44							
MKTF-13	5/2/2022	14.04	15.07	Vac Truck	1.03	0.74	5.99	5.22	0.762	22.13	4	
MKTF-13	5/3/2022	13.66	14.50	Post Recovery	0.84							
MKTF-14	5/2/2022	7.29	7.52	Vac Truck	0.23	0.74	7.42	7.25	0.170	17.32	4	
MKTF-14	5/3/2022	7.11	7.38	Post Recovery	0.27							
MKTF-17	5/4/2022	12.98	13.45	Vac Truck	0.47	0.16	1.91	1.83	0.077	24.67	2	
MKTF-17	5/5/2022	12.25	12.72	Post Recovery	0.47							
MKTF-20	5/4/2022	NA	NA	Vac Truck	0.00	0.74	0.00	0.00	0.000	9.62	4	Dry
MKTF-20	5/5/2022	DRY	DRY	Post Recovery	0.00							Dry
MKTF-22	5/4/2022	25.86	26.83	Vac Truck	0.97	0.16	1.50	1.35	0.158	35.09	2	
MKTF-22	5/5/2022	24.83	25.71	Post Recovery	0.88							
MKTF-26	5/4/2022	NA	8.71	Vac Truck	0.00	0.16	1.333	1.333	0.000	16.89	2	No SPH detected
MKTF-26	5/5/2022	8.60	8.61	Post Recovery	0.01							
MKTF-33	5/4/2022	23.23	23.25	Vac Truck	0.02	0.16	1.62	1.61	0.003	33.15	2	
MKTF-33	5/5/2022	22.77	22.80	Post Recovery	0.03							
MKTF-39	5/5/2022	20.75	21.42	Vac Truck	0.67	0.74	7.02	6.53	0.496	30.24	4	
MKTF-39	5/5/2022	10.66	11.21	Post Recovery	0.55							
MKTF-45	5/2/2022	NA	15.24	Vac Truck	0.00	0.74	11.100	11.100	0.000	30.24	4	No SPH detected
MKTF-45	5/3/2022	15.03	15.04	Post Recovery	0.01							
MKTF-49	5/4/2022	NA	15.24	Vac Truck	0.00	0.16	2.445	2.445	0.000	30.24	4	No SPH detected
MKTF-49	5/4/2022	15.03	15.04	Post Recovery	0.01							
						Total Extracted (gal)	52.37	49.42	2.95			

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. MAY VACUUM TRUCK EXTRACTIONS - TANK FARM WELLS
MARATHON GALLUP REFINERY
GALLUP, NEW MEXICO**

Location	Date	DTP (ft)	DTW (ft)	Recovery Method	Product Thickness (ft)	Volume/ Foot (gal)	Total Fluids Pumped/ Recovered (gal)	Water Volume Recovered (gal)	Product Volume Recovered (gal)	Total Depth (ft)	Casing Diameter (in)	Comments
OW-61	5/9/2022	24.5	25.12	Vac Truck	0.62	0.74	2.59	2.13	0.459	28.0	4	
OW-61	5/10/2022	23.70	24.51	Post Recovery	0.81							
OW-65	5/9/2022	30.09	35.78	Vac Truck	5.69	0.74	5.11	0.90	4.211	37.0	4	
OW-65	5/10/2022	28.93	33.12	Post Recovery	4.19							
RW-1	5/9/2022	30.76	31.17	Vac Truck	0.41	0.74	9.09	8.78	0.303	43.0	4	
RW-1	5/10/2022	29.16	29.45	Post Recovery	0.29							
RW-2R	5/9/2022	22.98	25.55	Vac Truck	2.57	0.74	12.45	10.55	1.902	39.8	4	
RW-2R	5/10/2022	22.90	25.12	Post Recovery	2.22							
RW-5	5/9/2022	30.79	33.326	Vac Truck	2.54	0.74	6.51	4.64	1.877	39.6	4	
RW-5	5/10/2022	28.33	31.11	Post Recovery	2.78							
RW-6	5/9/2022	31.16	32.70	Vac Truck	1.54	0.74	7.21	6.07	1.140	40.9	4	
RW-6	5/10/2022	29.12	30.65	Post Recovery	1.53							
						Total Extracted (gal)	42.96	33.07	9.89			

NOTES:

DTP = Depth to product

DTW = Depth to water

SPH = Separate Phase Hydrocarbon

ft = feet

gal = gallons

in = inches

Vac = Vacuum

**TABLE 3E. JUNE 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	6/7/2022	15.78	15.86	Vac Truck	0.08	0.74	1.52	1.46	0.059	17.83	4	
MKTF-5	6/8/2022	15.50	15.67	Post Recovery	0.17							
MKTF-6	6/7/2022	18.81	20.11	Vac Truck	1.30	0.74	3.69	2.72	0.962	23.79	4	
MKTF-6	6/8/2022	18.77	19.93	Post Recovery	1.16							
MKTF-7	6/7/2022	15.12	15.15	Vac Truck	0.03	0.74	1.71	1.69	0.022	17.43	4	
MKTF-7	6/8/2022	15.04	15.08	Post Recovery	0.04							
MKTF-8	6/7/2022	15.92	16.73	14.89	0.81	0.74	4.50	3.90	0.599	22.00	4	
MKTF-8	6/8/2022	15.83	16.62	Post Recovery	0.79							
MKTF-13	6/7/2022	13.79	15.16	Vac Truck	1.37	0.74	6.17	5.16	1.014	22.13	4	
MKTF-13	6/8/2022	13.13	14.59	Post Recovery	1.46							
MKTF-14	6/7/2022	7.27	7.71	Vac Truck	0.44	0.74	7.44	7.11	0.326	17.32	4	
MKTF-14	6/8/2022	6.96	7.38	Post Recovery	0.42							
MKTF-17R	6/8/2022	13.23	13.43	Vac Truck	0.20	0.16	1.86	1.83	0.033	24.67	2	
MKTF-17R	6/8/2022	12.98	13.12	Post Recovery	0.14							
MKTF-20	6/7/2022	NA	NA	Vac Truck	0.00	0.74	0.00	0.00	0.000	9.62	4	DRY
MKTF-20	6/8/2022	NA	NA	Post Recovery	0.00							DRY
MKTF-22	6/8/2022	25.65	27.95	Vac Truck	2.30	0.16	1.54	1.16	0.375	35.09	2	
MKTF-22	6/9/2022	25.30	27.17	Post Recovery	1.87							
MKTF-26	6/8/2022	NA	9.01	Vac Truck	0.00	0.16	1.28	1.28	0.000	16.89	2	No SPH detected
MKTF-26	6/9/2022	8.80	8.81	Post Recovery	0.01							
MKTF-33	6/8/2022	23.42	23.49	Vac Truck	0.07	0.16	1.59	1.57	0.011	33.15	2	
MKTF-33	6/9/2022	22.81	22.86	Post Recovery	0.05							
MKTF-39	6/8/2022	11.26	11.75	Vac Truck	0.49	0.16	3.09	3.01	0.080	30.24	2	
MKTF-39	6/9/2022	11.02	11.33	Post Recovery	0.31							
MKTF-45	6/8/2022	15.51	15.65	Vac Truck	0.14	0.74	10.90	10.80	0.104	30.24	4	
MKTF-45	6/9/2022	15.05	15.11	Post Recovery	0.06							
MKTF-49	6/8/2022	21.43	23.52	Vac Truck	2.09	0.16	1.44	1.10	0.341	30.24	2	
MKTF-49	6/9/2022	20.93	22.76	Post Recovery	1.83							
						Total Extracted (gal)	46.72	42.80	3.93			

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. JUNE VACUUM TRUCK EXTRACTIONS - TANK FARM WELLS
MARATHON GALLUP REFINERY
GALLUP, NEW MEXICO

Location	Date	DTP (ft)	DTW (ft)	Recovery Method	Product Thickness (ft)	Volume/ Foot (gal.)	Total Fluids Pumped/ Recovered (gal)	Water Volume Recovered (gal)	Product Volume Recovered (gal)	Total Depth (ft)	Casing Diameter (in)	Comments
OW-61	6/9/2022	24.65	25.88	Vac Truck	1.23	0.74	2.48	1.57	0.910	28.0	4	
OW-61	6/10/2022	23.88	24.83	Post Recovery	0.95							
OW-65	6/9/2022	30.77	35.09	Vac Truck	4.32	0.74	4.61	1.41	3.197	37.0	4	
OW-65	6/10/2022	30.35	34.81	Post Recovery	4.46							
RW-1	6/9/2022	31.00	31.14	Vac Truck	0.14	0.74	8.91	8.81	0.104	43.0	4	
RW-1	6/10/2022	30.74	30.89	Post Recovery	0.15							
RW-2R	6/9/2022	23.21	25.57	Vac Truck	2.36	0.74	6.13	4.39	1.746	31.5	4	
RW-2R	6/10/2022	22.68	24.71	Post Recovery	2.03							
RW-5	6/9/2022	31.01	33.48	Vac Truck	2.47	0.74	6.35	4.52	1.828	39.6	4	
RW-5	6/10/2022	29.93	31.90	Post Recovery	1.97							
RW-6	6/9/2022	30.36	33.03	Vac Truck	2.67	0.74	7.80	5.82	1.976	40.9	4	
RW-6	6/10/2022	29.84	32.01	Post Recovery	2.17							
						Total Extracted (gal)	36.28	26.52	9.76			

NOTES:

DTP = Depth to product

DTW = Depth to water

SPH = Separate Phase Hydrocarbon

ft = feet

gal = gallons

in = inches

Vac = Vacuum

TABLE 4B. SUMMARY OF 1ST QUARTER 2022 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																Project Total gal/w, SPH*	Project Total Gal, SPH	Project Total gal/w, Water*	Project Total Gal, Water
	S-1	S-2	S-3	S-4	S-5	S-6	S-7	S-8	PZ-1	PZ-2	PZ-3	PZ-4	S-1	S-2	S-3	S-4	S-5	S-6	S-7	S-8	PZ-1	PZ-2	PZ-3	PZ-4	S-1	S-2	S-3	S-4	S-5	S-6	S-7	S-8	PZ-1	PZ-2	PZ-3	PZ-4								
11/29/2021	4.19	3.99	5.18	6.60	ND	NI	NI	NI	ND	ND	NI	NI	8.79	7.73	7.56	7.16	5.35	NI	NI	NI	3.46	4.59	NI	NI	4.60	3.74	2.38	0.56	0.00	NI	NI	NI	0.00	0.00	NI	NI								
11/30/2021	4.31	4.02	5.23	6.66	ND	NI	NI	NI	ND	ND	NI	NI	8.46	7.62	7.50	7.06	5.37	NI	NI	NI	3.46	4.59	NI	NI	4.15	3.60	2.27	0.40	0.00	NI	NI	NI	0.00	0.00	NI	NI								
12/1/2021	4.30	4.03	5.23	6.69	ND	NI	NI	NI	ND	ND	NI	NI	8.50	7.64	7.51	7.05	5.38	NI	NI	NI	3.46	4.60	NI	NI	4.20	3.61	2.28	0.36	0.00	NI	NI	NI	0.00	0.00	NI	NI								
12/2/2021	4.27	4.01	5.22	6.68	ND	NI	NI	NI	ND	ND	NI	NI	8.46	7.69	7.48	6.98	5.37	NI	NI	NI	3.45	4.59	NI	NI	4.19	3.68	2.26	0.30	0.00	NI	NI	NI	0.00	0.00	NI	NI								
12/6/2021	4.16	3.95	5.17	6.60	ND	NI	NI	NI	ND	ND	NI	NI	8.69	7.70	7.54	7.11	5.33	NI	NI	NI	3.40	4.55	NI	NI	4.53	3.75	2.37	0.51	0.00	NI	NI	NI	0.00	0.00	NI	NI	51.80	89.24	136.90	261.05				
12/7/2021	4.24	3.92	5.18	6.62	ND	NI	NI	NI	ND	ND	NI	NI	8.46	7.70	7.47	7.00	5.33	NI	NI	NI	3.40	4.55	NI	NI	4.22	3.78	2.29	0.38	0.00	NI	NI	NI	0.00	0.00	NI	NI								
12/8/2021	4.27	3.99	5.21	6.64	ND	NI	NI	NI	ND	ND	NI	NI	8.36	7.58	7.47	6.98	5.33	NI	NI	NI	3.40	4.56	NI	NI	4.09	3.59	2.26	0.34	0.00	NI	NI	NI	0.00	0.00	NI	NI								
12/9/2021	4.27	3.99	5.19	6.64	ND	NI	NI	NI	ND	ND	NI	NI	8.31	7.54	7.44	6.93	5.32	NI	NI	NI	3.39	4.53	NI	NI	4.04	3.55	2.25	0.29	0.00	NI	NI	NI	0.00	0.00	NI	NI								
12/13/2021	4.20	3.98	5.18	6.60	ND	NI	NI	NI	ND	ND	NI	NI	8.64	7.68	7.48	7.14	5.34	NI	NI	NI	3.43	4.63	NI	NI	4.44	3.70	2.30	0.54	0.00	NI	NI	NI	0.00	0.00	NI	NI	51.80	141.04	173.90	434.95				
12/14/2021	4.32	4.01	5.24	6.30	ND	NI	NI	NI	ND	ND	NI	NI	8.31	7.63	7.42	7.03	5.35	NI	NI	NI	3.45	4.63	NI	NI	3.99	3.62	2.18	0.73	0.00	NI	NI	NI	0.00	0.00	NI	NI								
12/16/2021	4.21	3.98	5.17	6.60	ND	NI	NI	NI	ND	ND	NI	NI	8.55	7.65	7.45	7.03	5.32	NI	NI	NI	3.42	4.56	NI	NI	4.34	3.67	2.28	0.43	0.00	NI	NI	NI	0.00	0.00	NI	NI								
12/20/2021	4.22	4.00	5.23	6.58	ND	NI	NI	NI	ND	ND	NI	NI	8.65	7.69	7.48	7.23	5.35	NI	NI	NI	3.46	4.66	NI	NI	4.43	3.69	2.25	0.65	0.00	NI	NI	NI	0.00	0.00	NI	NI	40.70	181.74	92.50	527.45				
12/21/2021	4.28	4.01	5.27	6.64	ND	NI	NI	NI	ND	ND	NI	NI	8.42	7.72	7.40	7.10	5.35	NI	NI	NI	3.49	4.69	NI	NI	4.14	3.71	2.13	0.46	0.00	NI	NI	NI	0.00	0.00	NI	NI								
12/22/2021	4.37	4.04	5.28	6.67	ND	NI	NI	NI	ND	ND	NI	NI	8.25	7.64	7.36	7.04	5.36	NI	NI	NI	3.48	4.67	NI	NI	3.88	3.60	2.08	0.37	0.00	NI	NI	NI	0.00	0.00	NI	NI	37.00	218.74	99.90	627.35				
1/10/2022	3.91	3.67	4.89	6.10	ND	NI	NI	NI	ND	ND	NI	NI	8.43	7.47	7.37	7.57	6.10	NI	NI	NI	3.06	4.18	NI	NI	4.52	3.80	2.48	1.47	0.00	NI	NI	NI	0.00	0.00	NI	NI								
1/11/2022	4.05	4.68	4.88	6.27	ND	NI	NI	NI	ND	ND	NI	NI	7.95	7.44	7.25	6.94	5.07	NI	NI	NI	3.07	4.15	NI	NI	3.90	2.76	2.37	0.67	0.00	NI	NI	NI	0.00	0.00	NI	NI								
1/12/2022	4.16	3.70	4.89	6.31	ND	NI	NI	NI	ND	ND	NI	NI	7.50	7.35	7.22	6.84	5.05	NI	NI	NI	3.05	4.15	NI	NI	3.34	3.65	2.33	0.53	0.00	NI	NI	NI	0.00	0.00	NI	NI								
1/13/2022	4.29	3.74	4.91	6.34	ND	NI	NI	NI	ND	ND	NI	NI	7.14	7.16	7.21	6.75	5.07	NI	NI	NI	3.02	4.13	NI	NI	2.85	3.42	2.30	0.41	0.00	NI	NI	NI	0.00	0.00	NI	NI	51.80	270.54	122.10	749.45				
1/17/2022	4.92	3.61	4.82	6.23	ND	NI	NI	NI	ND	ND	NI	NI	7.88	7.45	7.22	6.90	5.05	NI	NI	NI	2.95	4.05	NI	NI	2.96	3.84	2.40	0.67	0.00	NI	NI	NI	0.00	0.00	NI	NI								
1/18/2022	4.35	3.69	4.87	6.31	ND	NI	NI	NI	ND	ND	NI	NI	6.75	7.16	7.14	6.65	5.01	NI	NI	NI	2.98	4.05	NI	NI	2.40	3.47	2.27	0.34	0.00	NI	NI	NI	0.00	0.00	NI	NI								
1/19/2022	4.50	3.68	4.83	6.31	ND	NI	NI	NI	ND	ND	NI	NI	6.35	7.13	7.12	6.61	4.99	NI	NI	NI	2.96	4.05	NI	NI	1.85	3.45	2.29	0.30	0.00	NI	NI	NI	0.00	0.00	NI	NI								
1/20/2022	4.62	3.70	4.86	6.33	ND	NI	NI	NI	ND	ND	NI	NI	6.05	7.10	7.10	6.60	5.02	NI	NI	NI	2.96	4.05	NI	NI	1.43	3.40	2.24	0.27	0.00	NI	NI	NI	0.00	0.00	NI	NI	37.00	307.54	140.60	890.05				
1/24/2022	4.04	3.60	4.79	6.23	ND	7.71	9.53	ND	ND	ND	5.95	8.41	7.58	7.35	7.17	6.71	4.98	9.97	ND	20.09	2.95	4.04	10.26	10.64	3.54	3.75	2.38	0.48	0.00	2.26	0.47	0.00	0.00	0.00	4.31	2.23								
1/25/2022	4.54	3.71	4.87	6.31	ND	7.71	9.52	ND	ND	ND	5.46	8.39	6.25	6.99	7.08	6.63	5.01	9.86	ND	20.30	2.95	4.06	10.26	10.65	1.71	3.28	2.21	0.32	0.00	2.15	0.48	0.00	0.00	0.00	4.80	2.26								
1/27/2022	4.48	3.68	4.86	6.28	ND	7.72	9.53	ND	ND	ND	5.95	8.41	6.40	7.21	7.18	6.65	5.01	9.86	ND	20.53	2.93	4.03	10.26	10.65	1.92	3.53	2.32	0.37	0.00	2.14	0.47	0.00	0.00	0.00	4.31	2.24	37.00	344.54	148.00	1038.05				
1/31/2022	4.20	3.63	4.85	6.23	ND	7.69	9.52	ND	ND	ND	5.95	8.39	7.09	7.35	7.18	6.73	5.00	9.66	ND	19.48	2.95	4.08	10.25	10.65	2.89	3.72	2.33	0.50	0.00	1.97	0.48	0.00	0.00	0.00	4.30	2.26								
2/1/2022	4.53	3.69	4.86	6.25	ND	7.70	9.50	ND	ND	ND	5.92	8.38	6.14	6.95	7.09	6.57	7.98	9.67	ND	19.92	2.90	4.10	10.23	10.65	1.61	3.26	2.23	0.32	0.00	1.97	0.50	0.00	0.00	0.00	4.31	2.27								
2/2/2022	4.61	3.70	4.85	NM	NM	7.69	9.50	ND	ND	ND	5.92	8.38	5.90	6.91	7.07	NM	NM	9.66	ND	19.52	2.92	4.10	10.24	10.65	1.29	3.21	2.22	NM	NM	1.97	0.50	0.00	0.00	0.00	4.32	2.27								
2/3/2022	4.52	3.64	4.83	6.25	ND	7.68	9.50	ND	ND	ND	5.94	8.36	6.12	7.14	7.11	6.59	4.99	9.66	ND	19.30	2.92	4.11	10.23	10.65	1.60	3.50	2.28	0.34	0.00	1.98	0.50	0.00	0.00	0.00	4.29	2.29	29.60	374.14	151.70	1189.75				
2/8/2022	4.27	3.64	4.92	6.27	ND	7.70	9.50	19.73	ND	ND	5.99	8.39	7.05	7.35	7.11	6.75	5.01	9.66	ND	19.81	3.01	4.24	10.26	10.64	2.78	3.71	2.19	0.48	0.00	1.96	0.50	0.08	0.00	0.00	4.27	2.25								
2/9/2022	4.54	3.79	4.96	6.33	ND	7.72	9.51	20.81	ND	ND	5.98	8.39	6.25	6.83	7.05	6.65	5.02	9.65	ND	20.82	3.01	4.23	10.28	10.64	1.71	3.04	2.09	0.32	0.00	1.93	0.49	0.01	0.00	0.00	4.30	2.25								
2/10/2022	4.67	3.81	4.96	6.33	ND	7.72	9.51	20.64	ND	ND	5.98	8.38	5.84	6.73	7.00	6.60	5.00	9.65	ND	20.65	3.01	4.23	10.28	10.64	1.17	2.92	2.04	0.27	0.00	1.93	0.49	0.01	0.00	0.00	4.30	2.26	25.90	400.04	148.00	1337.75				
2/15/2022	4.24	3.58	4.77	6.18	ND	7.63	9.48	19.43	ND	ND	5.86	8.35	6.80	7.18	7.13	6.61	4.93	9.65	ND	19.46	2.88	4.13	10.19	10.64	2.56	3.60	2.36	0.43	0.00	2.02	0.52	0.03	0.00	0.00	4.33	2.29								
2/16/2022	4.50	3.68	4.80	6.21	ND	7.65	9.47	ND	ND	ND	5.85	8.35	6.03	6.74	7.00	6.51	4.93	9.66	ND	19.13	2.88	4.13	10.18	10.65	1.53	3.06	2.20	0.30	0.00	2.01	0.53	0.00	0.00	0.00	4.33	2.30	25.90	425.94	103.60	1441.35				
2/21/2022	4.18	3.54	4.73	6.24	ND	7.60	9.45	18.44	ND	ND	5.82	8.33	6.78	7.17	7.12	6.61	4.91	9.68	ND	18.47	2.84	4.10	10.14	10.64	2.60	3.63	2.39	0.37																

TABLE 4B. SUMMARY OF 1ST QUARTER 2022 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																Project Total gal/w, SPH*	Project Total Gal, SPH	Project Total gal/w, Water*	Project Total Gal, Water
	S-1	S-2	S-3	S-4	S-5	S-6	S-7	S-8	PZ-1	PZ-2	PZ-3	PZ-4	S-1	S-2	S-3	S-4	S-5	S-6	S-7	S-8	PZ-1	PZ-2	PZ-3	PZ-4	S-1	S-2	S-3	S-4	S-5	S-6	S-7	S-8	PZ-1	PZ-2	PZ-3	PZ-4								
4/4/2022	4.55	3.79	4.61	6.12	ND	7.01	9.34	ND	ND	ND	5.71	8.18	5.06	5.78	6.96	6.29	4.83	9.32	ND	19.16	2.60	3.98	9.77	10.64	0.51	1.99	2.35	0.17	0.00	2.31	0.66	0.00	0.00	0.00	4.06	2.46								
4/5/2022	4.59	4.00	4.71	6.12	ND	7.09	9.35	ND	ND	ND	5.77	8.17	4.94	5.18	6.73	6.28	4.83	9.32	ND	19.28	2.63	3.99	9.76	10.64	0.35	1.18	2.02	0.16	0.00	2.23	0.65	0.00	0.00	0.00	3.99	2.47								
4/6/2022	4.62	4.06	4.73	6.15	ND	7.13	9.34	ND	ND	ND	5.73	8.17	4.94	5.06	6.73	6.28	4.85	9.32	ND	19.34	2.63	4.00	9.75	10.64	0.32	1.00	2.00	0.13	0.00	2.19	0.66	0.00	0.00	0.00	4.02	2.47								
4/7/2022	4.65	4.07	4.77	6.18	ND	7.15	9.36	ND	ND	ND	5.75	8.17	4.93	5.11	6.75	6.29	4.86	9.32	ND	19.39	2.62	4.03	9.74	10.64	0.28	1.04	1.98	0.11	0.00	2.17	0.64	0.00	0.00	0.00	3.99	2.47	29.60	651.64	199.80	2769.65				
4/11/2022	4.56	3.80	4.63	6.13	ND	7.01	9.34	ND	ND	ND	5.71	8.16	5.03	5.76	6.97	6.27	4.84	9.32	ND	18.88	2.60	3.98	9.69	10.64	0.47	1.96	2.34	0.14	0.00	2.31	0.66	0.00	0.00	0.00	3.98	2.48								
4/12/2022	4.59	3.97	4.68	6.13	ND	7.06	9.32	ND	ND	ND	5.71	8.15	4.93	5.20	9.79	6.25	4.83	9.33	ND	18.12	2.59	3.96	9.69	10.64	0.34	1.23	5.11	0.12	0.00	2.27	0.68	0.00	0.00	0.00	3.98	2.49								
4/13/2022	4.65	4.09	4.78	6.20	ND	7.15	9.32	ND	ND	ND	5.76	8.18	4.92	5.01	6.74	6.31	4.88	9.33	ND	18.36	2.63	4.03	9.69	10.64	0.27	0.92	1.96	0.11	0.00	2.18	0.68	0.00	0.00	0.00	3.93	2.46								
4/14/2022	4.69	4.13	4.81	6.21	ND	7.19	9.34	ND	ND	ND	5.80	8.19	4.91	5.03	6.71	6.29	4.89	9.32	ND	19.63	2.69	4.08	9.69	10.64	0.22	0.90	1.90	0.08	0.00	2.13	0.66	0.00	0.00	0.00	3.89	2.45	14.80	666.44	236.80	3006.45				
4/19/2022	4.58	3.88	4.67	6.20	ND	7.03	9.35	19.54	ND	ND	5.76	8.20	5.07	5.65	6.98	6.24	4.90	9.32	ND	19.56	2.66	4.06	9.66	10.64	0.49	1.77	2.31	0.04	0.00	2.29	0.65	0.02	0.00	0.00	3.90	2.44								
4/20/2022	4.65	4.05	4.75	6.21	ND	7.14	9.35	ND	ND	ND	5.77	8.20	4.93	5.23	6.80	6.25	4.90	9.32	ND	19.60	2.67	4.06	9.66	10.64	0.28	1.18	2.05	0.04	0.00	2.18	0.65	0.00	0.00	0.00	3.89	2.44								
4/21/2022	4.64	4.08	4.75	6.22	ND	7.13	9.34	ND	ND	ND	5.78	8.19	4.95	5.12	6.81	6.27	4.92	9.31	ND	19.73	2.66	4.07	9.66	10.64	0.31	1.04	2.06	0.05	0.00	2.18	0.66	0.00	0.00	0.00	3.88	2.45	22.20	688.64	140.60	3147.05				
4/25/2022	4.70	4.01	4.72	6.27	ND	7.04	9.38	20.67	ND	ND	5.88	8.25	5.11	5.48	6.61	6.35	4.65	9.35	ND	20.71	2.74	4.17	9.65	10.64	0.41	1.47	1.89	0.08	0.00	2.31	0.62	0.04	0.00	0.00	3.77	2.39								
4/27/2022	4.67	4.06	4.75	6.25	ND	7.08	9.36	19.59	ND	ND	5.82	8.21	5.02	5.29	6.93	6.29	4.93	9.32	ND	19.60	2.73	4.10	9.63	10.64	0.35	1.23	2.18	0.04	0.00	2.24	0.64	0.01	0.00	0.00	3.81	2.43								
4/28/2022	4.67	4.12	4.80	6.24	ND	7.17	9.36	21.01	ND	ND	5.82	8.22	4.95	5.11	6.79	6.27	4.93	9.31	ND	21.02	2.72	4.12	9.62	10.64	0.28	0.99	1.99	0.03	0.00	2.14	0.64	0.01	0.00	0.00	3.80	2.42	14.80	703.44	136.90	3283.95				
5/2/2022	4.65	3.97	4.75	6.27	ND	7.07	9.37	20.22	ND	ND	5.84	8.22	5.08	5.61	7.03	6.32	4.98	9.32	ND	20.25	2.73	4.16	9.61	10.64	0.43	1.64	2.28	0.05	0.00	2.25	0.63	0.03	0.00	0.00	3.77	2.42								
5/3/2022	4.70	4.15	4.84	6.27	ND	7.20	9.38	19.66	ND	ND	5.84	8.22	4.99	5.13	6.79	6.32	4.98	9.32	ND	19.67	2.74	4.17	9.60	10.64	0.29	0.98	1.95	0.05	0.00	2.12	0.62	0.01	0.00	0.00	3.76	2.42								
5/4/2022	4.70	4.18	4.83	6.28	ND	7.24	9.38	21.21	ND	ND	5.86	8.22	4.98	5.06	6.75	6.33	4.98	9.30	ND	21.22	2.71	4.19	9.60	10.64	0.28	0.88	1.92	0.05	0.00	2.06	0.62	0.01	0.00	0.00	3.74	2.42								
5/5/2022	4.74	4.24	4.91	6.32	ND	7.25	9.40	ND	ND	ND	5.89	8.25	4.99	5.03	6.78	6.36	5.02	9.31	ND	21.16	2.79	4.22	9.62	10.64	0.25	0.79	1.87	0.04	0.00	2.06	0.60	0.00	0.00	0.00	3.73	2.39	22.20	725.64	185.00	3468.95				
5/9/2022	4.67	4.03	4.77	6.30	ND	7.10	9.39	ND	ND	ND	5.86	8.25	5.06	5.55	7.06	6.35	5.00	9.32	ND	19.79	2.72	4.21	9.61	10.64	0.39	1.52	2.29	0.05	0.00	2.22	0.61	0.00	0.00	0.00	3.75	2.39								
5/10/2022	4.75	4.19	4.91	6.34	ND	7.24	9.42	ND	ND	ND	5.90	8.26	5.04	5.23	6.85	6.38	5.04	9.32	ND	20.87	2.81	4.26	9.61	10.64	0.29	1.04	1.94	0.04	0.00	2.08	0.58	0.00	0.00	0.00	3.71	2.38								
5/11/2022	4.77	4.23	4.93	6.34	ND	7.29	9.42	ND	ND	ND	5.92	8.28	4.97	5.14	6.79	6.38	5.04	9.29	ND	21.04	2.84	4.28	9.63	10.64	0.20	0.91	1.86	0.04	0.00	2.00	0.58	0.00	0.00	0.00	3.71	2.36								
5/12/2022	4.79	4.28	4.96	6.38	ND	7.32	9.43	ND	ND	ND	5.93	8.28	4.99	5.11	6.79	6.40	5.06	9.21	ND	20.66	2.85	4.31	9.63	10.64	0.20	0.83	1.83	0.02	0.00	1.89	0.57	0.00	0.00	0.00	3.70	2.36	22.20	747.84	192.40	3661.35				
5/16/2022	4.79	4.20	4.93	6.36	ND	7.31	9.42	20.48	ND	ND	5.94	8.30	5.08	5.52	7.02	6.41	5.06	9.33	ND	20.50	2.88	4.28	9.64	10.66	0.29	1.32	2.09	0.05	0.00	2.02	0.58	0.02	0.00	0.00	3.70	2.36								
5/18/2022	4.79	4.20	4.89	6.39	ND	7.18	9.47	20.83	ND	ND	5.94	8.31	5.06	5.38	7.04	6.42	5.09	9.32	ND	20.86	2.89	4.35	9.63	10.64	0.27	1.18	2.15	0.03	0.00	2.14	0.53	0.03	0.00	0.00	3.69	2.33								
5/19/2022	4.81	4.29	4.97	6.38	ND	7.31	9.46	ND	ND	ND	5.93	8.30	4.98	5.07	6.78	6.41	5.08	9.30	ND	22.11	2.88	4.34	9.61	10.64	0.17	0.78	1.81	0.03	0.00	1.99	0.54	0.00	0.00	0.00	3.68	2.34	14.80	762.64	155.40	3816.75				
5/23/2022	4.83	4.21	4.89	6.42	ND	7.19	9.47	21.14	ND	ND	5.98	8.31	5.02	5.48	7.14	6.49	5.13	9.32	ND	21.19	2.96	4.45	9.64	10.64	0.19	1.27	2.25	0.07	0.00	2.13	0.53	0.05	0.00	0.00	3.66	2.33								
5/24/2022	4.87	4.30	5.08	6.46	ND	7.34	9.48	21.43	ND	ND	6.01	8.33	5.03	6.27	6.78	6.51	5.16	9.32	ND	21.46	2.99	4.48	9.68	10.64	0.16	1.97	1.70	0.05	0.00	1.98	0.52	0.03	0.00	0.00	3.67	2.31								
5/25/2022	4.92	4.41	5.17	6.50	ND	7.40	9.50	ND	ND	ND	6.05	8.36	5.05	5.20	6.63	6.53	5.18	9.27	ND	21.79	3.06	4.55	9.72	10.64	0.13	0.79	1.46	0.03	0.00	1.87	0.50	0.00	0.00	0.00	3.67	2.28								
5/26/2022	4.95	4.40	5.18	6.51	ND	7.43	9.52	ND	ND	ND	6.06	8.38	5.05	5.26	6.67	6.53	5.20	9.22	ND	22.16	3.10	4.57	9.74	10.64	0.10	0.86	1.49	0.02	0.00	1.79	0.48	0.00	0.00	0.00	3.68	2.26	18.50	781.14	192.40	4009.15				
5/31/2022	4.94	4.15	4.99	6.52	ND	7.24	9.52	22.01	ND	ND	6.06	8.38	5.08	6.03	7.25	6.60	5.21	9.31	ND	22.04	3.12	4.61	9.77	10.64	0.14	1.88	2.26	0.08	0.00	2.07	0.48	0.03	0.00	0.00	3.71	2.26								
6/1/2022	4.98	4.40	5.19	6.55	ND	7.44	9.55	ND	ND	ND	6.09	8.41	5.09	5.46	6.78	6.58	5.24	9.31	ND	22.66	3.17	4.65	9.80	10.64	0.11	1.06	1.59	0.03	0.00	1.87	0.45	0.00	0.00	0.00	3.71	2.23								
6/2/2022	5.00	4.44	5.24	6.54	ND	7.49	9.55	ND	ND	ND	6.09	8.41	5.07	5.32	6.62	6.57	5.23	9.14	ND	22.70	3.18	4.67	9.81	10.64	0.07	0.88	1.38	0.03	0.00	1.65	0.45	0.00	0.00	0.00	3.72	2.23	14.80	795.94	140.60	4149.75				
6/6/2022	5.00	4.17	5.06																																									

ATTACHMENT A

New Mexico Environment Department to Western Refining Southwest LLC Comment Letter “Approval with Modifications Hydrocarbon Seep Interim Measures 2021 Fourth Quarter Status Report” (June 30, 2022)

New Mexico Environment Department (NMED) Comment	Marathon Gallup Refinery Response
Comment 1:	Response 1:
In the Cover Letter, paragraph 1, the Permittee states that they also included their 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 as Attachment A in this submittal. However, there appears to be a typographical error because Attachment A also contains the Permittee’s response to Comments 4 and 5 of the NMED’s September 14, 2021 Approval with Modifications Hydrocarbon Seep Interim Measures 2021 Second Quarter Status Report. These same responses were provided in the October 27, 2021 Hydrocarbon Seep Interim Measures 2021 Third Quarter Status Report. Verify that the inclusion of the Permittee’s response to Comments 4 and 5 was a typographical error or explain the purpose for their inclusion in Attachment A. The Permittee must only include responses relevant to the Report to avoid confusion. Provide replacement pages for Attachment A, as necessary, with the response letter.	The inclusion of Comments 4 and 5 was an error and should not have been part of Attachment A. Replacement pages for Attachment A are included in this response.

New Mexico Environment Department to Western Refining Southwest LLC Comment Letter “Approval with Modifications Hydrocarbon Seep Interim Measures 2021 Fourth Quarter Status Report” (June 30, 2022)

New Mexico Environment Department (NMED) Comment	Marathon Gallup Refinery Response
Comment 2: In the <i>Hydrocarbon Seep Source Control</i> section, page 2 of 100, paragraph 3, the Permittee states, “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).” The fluid level in well MKTF-02R increased 5.92 feet between August 31 and December 15, 2021 (16.10 feet to 10.18 feet, respectively). Wells MKTF-01R, -04R, -17R, and -18R were also recently installed; however, the significant change in fluid level as seen in well MKTF-02R was not observed in wells MKTF-01R, -04R, -17R, and -18R. Therefore, it appears that there may be another potential cause of fluid level increase in well MKTF-02R. Evaluate the potential cause of the significant fluid level increase in well MKTF-02R and provide a discussion in the upcoming 2022 quarterly status report.	Response 2: The fluid level in MKTF-02R has stabilized since December 2021. Since then, it has ranged from 7.63 to 7.76 feet below ground surface.
Comment 3: In the <i>Fluids Recovery</i> section, page 2 of 100, paragraph 5, the Permittee states, “[f]luid recovery in MKTF wells upgradient of the Hydrocarbon Seep Area, with recoverable SPH, continued during the 4th Quarter of 2021 using a vacuum truck.” According to the separate phase hydrocarbon (SPH) extraction data presented in Tables 3A through 3F, some wells (e.g., MKTF-14,-17R, 20) did not contain any SPH prior to fluid recovery events being conducted. It is important to identify wells that historically contain SPH prior to conducting fluid recovery events. Evaluate fluid level measurement data presented in Tables 2A and 2B to select wells where fluid recovery may be effective. Identify all wells where fluid recovery events are conducted within this Report and provide a justification for its selection in the upcoming 2022 quarterly status report.	Response 3: The comment is acknowledged and addressed in the 2nd Quarter Hydrocarbon Seep Interim Measures 2022 report, <i>Fluid Recovery</i> section (paragraph 4). During future events, there will be no fluid extraction from wells if there is no SPH detected.

**New Mexico Environment Department to Western Refining Southwest LLC Comment Letter “Approval with Modifications
Hydrocarbon Seep Interim Measures 2021 Fourth Quarter Status Report” (June 30, 2022)**

New Mexico Environment Department (NMED) Comment	Marathon Gallup Refinery Response
Comment 4:	Response 4:
In the <i>Borrow Pit Activities</i> section, page 3 of 100, paragraph 2, the Permittee states, "[d]uring 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)." Although the new estimation method provides accuracy for the recovered SPH volumes, the data collected prior to November 2021 is not usable because the method was not implemented until November 22, 2021. Remove the data collected prior to November 2021 from future submittals.	The comment is acknowledged and the Borrow Pit fluid data prior to November 2021 will not be included in future reports.
Comment 5:	Response 5:
In the <i>Sanitary Lagoon Investigation</i> section, page 4 of 100, paragraph 3, the Permittee states, "[t]he investigation report will be complete and submitted to NMED during the 1st quarter 2022." NMED acknowledges that an electronic copy of the complete report was submitted and received on March 11, 2022.	The comment is acknowledged.

New Mexico Environment Department to Western Refining Southwest LLC Comment Letter “Approval with Modifications Hydrocarbon Seep Interim Measures 2021 Fourth Quarter Status Report” (June 30, 2022)

New Mexico Environment Department (NMED) Comment	Marathon Gallup Refinery Response
Comment 6: Table 2A (Fluid Level Measurements for Wells MKTF-1 through MKTF-50) contains multiple typographical errors. For example, depth to water (DTW) readings collected from well MKTF-02R on August 31 and September 17, 2021 are recorded as 16.10 feet and 16.58 feet, respectively, and the corresponding groundwater elevations are recorded as 6,906.83 and 6,900.87 feet. However, the differences in DTW readings and groundwater elevations between August 31 and September 17, 2021 are calculated as -0.48 feet and +5.96 feet, respectively. The differences between the DTW readings and groundwater elevations should match one another; correct the typographical error on Table 2A in the upcoming 2022 quarterly status report. In addition, in order to verify the accuracy of the groundwater elevations, include ground surface elevation data for each well location on Table 2A in the upcoming 2022 quarterly status report. Furthermore, the last date reported for the fluid level measurement for well MKTF-03 is recorded as 12/15/22, which appears to be another typographical error. Correct the typographical error on Table 2A in the upcoming 2022 quarterly status report. Ensure that all data reported in Table 2A are accurate in future status reports.	Response 6: The comment is acknowledged. The errors have been corrected and will not be included in future reports.
Comment 7: Tables 2A and 2B present the readings of depth to SPH, total well depth, DTW, and screened interval depth top to bottom in units of ft (feet). However, it is not clear whether the depth readings are reported as feet below top of casing or ground surface. All data associated with depth measurement must be reported in units of feet below ground surface (bgs) on a revised Tables 2A and 2B in the upcoming 2022 quarterly status report and all future status reports.	Response 7: The tables have been updated to report fluid levels with a reference to ground level. All future fluid levels will be reported as depth below ground level in future quarterly status reports.

Replacement Pages

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, 2022)

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, 2022)

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.

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 132651

CONDITIONS

Operator: Western Refining Southwest LLC 539 South Main Street Findlay, OH 45840	OGRID: 267595
	Action Number: 132651
	Action Type: [UF-DP] Discharge Permit (DISCHARGE PERMIT)

CONDITIONS

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