District I 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources Department

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

Form C-141 Revised August 24, 2018 Submit to appropriate OCD District office

Incident ID	nAPP2319920953
District RP	
Facility ID	fAPP2126332130
Application ID	

Release Notification

Responsible Party

Responsible Party Marathon Oil Permian LLC	OGRID 372098
Contact Name Melodie Sanjari	Contact Telephone 575-988-8753
Contact email msanjari@marathonoil.com	Incident # (assigned by OCD)
Contact mailing address 4111 S. Tidwell Rd., Carlsbad, NM 8220	

Location of Release Source

(NAD 83 in decimal degrees to 3 decimal places)						
Site Name HERMES FEE 910 TB	Site Type Oil & Gas Facility					
Date Release Discovered: 7/17/2023	API# (if applicable)					

P 30 23S 28E Eddy

Longitude -104.120128

Surface Owner: State Federal Tribal Private (Name: _

Nature and Volume of Release

Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
Produced Water	Volume Released (bbls) 9.1	Volume Recovered (bbls) 9.1
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	⊠ Yes □ No
Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)
Cause of Release		

Latitude 32.269678

HES Technician arrived to a pinhole release from a 4" Victaulic Clamp on the produced water line, just upstream of the riser to the top of the tank. Valves were closed and the release isolated. The failure resulted in the release of approximately 9.1 bbl. of produced water into the lined, secondary containment. The containment will be pressure washed as the standing fluid was too shallow to recover and a notice sent prior to a liner integrity inspection.

Page 2 of 21

Incident ID	nAPP2319920953
District RP	
Facility ID	fAPP2126332130
Application ID	

Was this a major	If YES, for what reason(s) does the respons	sible party consider this a major release?
release as defined by	1	1 7
19.15.29.7(A) NMAC?		
☐ Yes ⊠ No		
If YES, was immediate no	otice given to the OCD? By whom? To who	m? When and by what means (phone, email, etc)?
	Initial Re	sponse
The responsible	party must undertake the following actions immediately	unless they could create a safety hazard that would result in injury
The source of the rele	ease has been stopped.	
☐ The impacted area ha	s been secured to protect human health and t	he environment.
Released materials ha	ave been contained via the use of berms or di	kes, absorbent pads, or other containment devices.
All free liquids and re	ecoverable materials have been removed and	managed appropriately.
If all the actions described	d above have <u>not</u> been undertaken, explain w	hy:
D 1017 00 0 D (1) 17		
		mediation immediately after discovery of a release. If remediation forts have been successfully completed or if the release occurred
		ease attach all information needed for closure evaluation.
		est of my knowledge and understand that pursuant to OCD rules and
		cations and perform corrective actions for releases which may endanger CD does not relieve the operator of liability should their operations have
		to groundwater, surface water, human health or the environment. In esponsibility for compliance with any other federal, state, or local laws
and/or regulations.	r a C-141 report does not reneve the operator of the	sponsionity for compnance with any other rederal, state, or local laws
Printed Name: Mel	odie Sanjari	Title: Environmental Professional
Signature: Melod	<u>lie Sanjari</u>	Date: 7/18/2023
		T. 1. 1
emaii: <u>msanjari@mara</u>	thonoil.com_	Telephone: <u>575-988-8753</u>
OCD Only		
Received by:		Date:

Page 3 of 21

	1 18000
Incident ID	nAPP2319920953
District RP	
Facility ID	fAPP2126332130
Application ID	

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: Each of the following items	s must be included in the closure report.
A scaled site and sampling diagram as described in 19.15.29.11 N	MAC
Photographs of the remediated site prior to backfill or photos of t must be notified 2 days prior to liner inspection)	he liner integrity if applicable (Note: appropriate OCD District office
☐ Laboratory analyses of final sampling (Note: appropriate ODC Di	strict office must be notified 2 days prior to final sampling)
□ Description of remediation activities	
I hereby certify that the information given above is true and complete to and regulations all operators are required to report and/or file certain rel may endanger public health or the environment. The acceptance of a C should their operations have failed to adequately investigate and remedi human health or the environment. In addition, OCD acceptance of a C-compliance with any other federal, state, or local laws and/or regulation restore, reclaim, and re-vegetate the impacted surface area to the condit accordance with 19.15.29.13 NMAC including notification to the OCD Printed Name: Melodie Sanjari	lease notifications and perform corrective actions for releases which 141 report by the OCD does not relieve the operator of liability late contamination that pose a threat to groundwater, surface water, 141 report does not relieve the operator of responsibility for is. The responsible party acknowledges they must substantially lions that existed prior to the release or their final land use in
Signature: <u>Melodie Sanjari</u>	Date: 9/6/2023
email: <u>msanjari@marathonoil.com</u>	Telephone: <u>575-988-8753</u>
OCD Only	
OCD Only	
Received by: Shelly Wells	Date: <u>9/7/2023</u>
Closure approval by the OCD does not relieve the responsible party of li remediate contamination that poses a threat to groundwater, surface wate party of compliance with any other federal, state, or local laws and/or re	er, human health, or the environment nor does not relieve the responsible
Closure Approved by: Shelly Wells	Date: 10/4/2023
Printed Name: Shelly Wells	Title: Environmental Specialist-Advanced

Sanjari, Melodie (MRO)

From: Sanjari, Melodie (MRO)

Sent: Monday, July 24, 2023 8:06 AM

To: Enviro, OCD, EMNRD

Subject: Marathon Oil Company - 48 Hour Notice - nAPP2319920953

Good Morning,

Please let this email serve as the required notification before a liner, integrity inspection to take place on the Hermes 9H 10H CTB this coming Wednesday (7/26/2023) to close out incident nAPP2319920953.

Thank you

Melodie Sanjari

Environmental Professional Permian & Oklahoma 575-988-8753

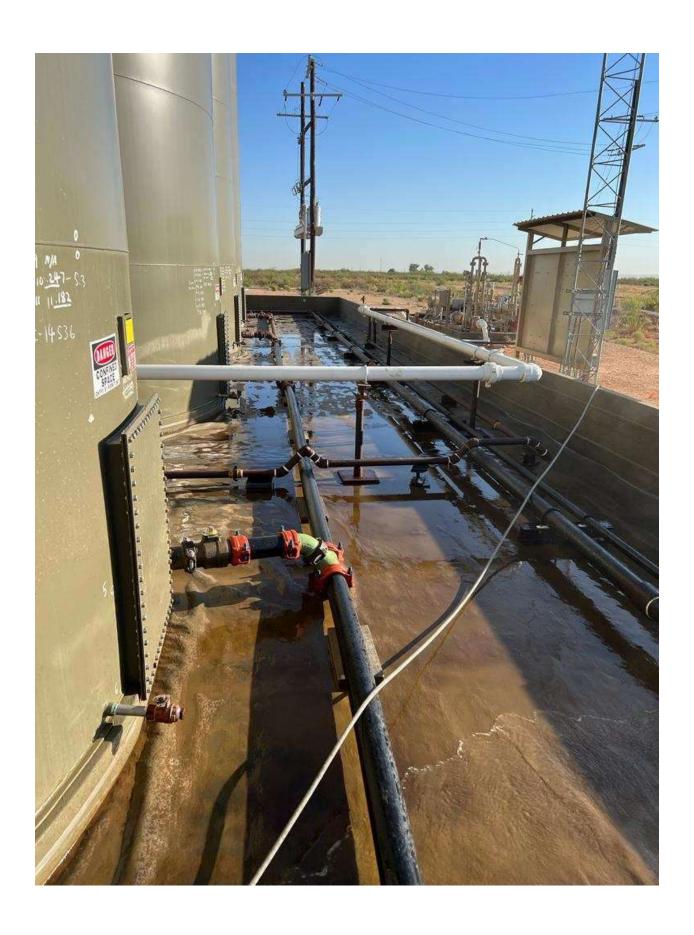


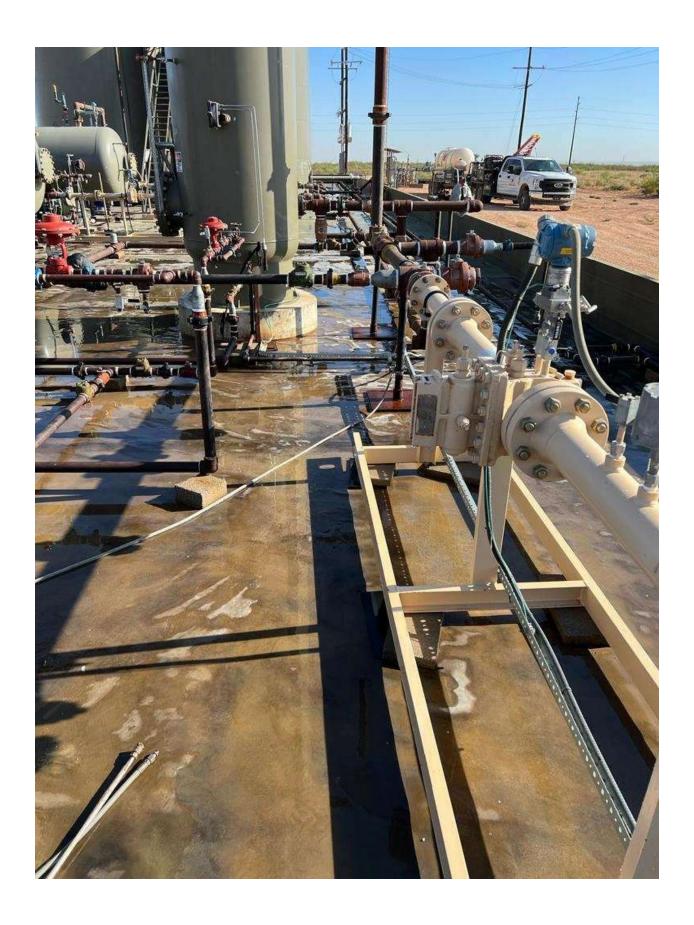
PM
2:29:56
9/6/2023
OCD:
Received by

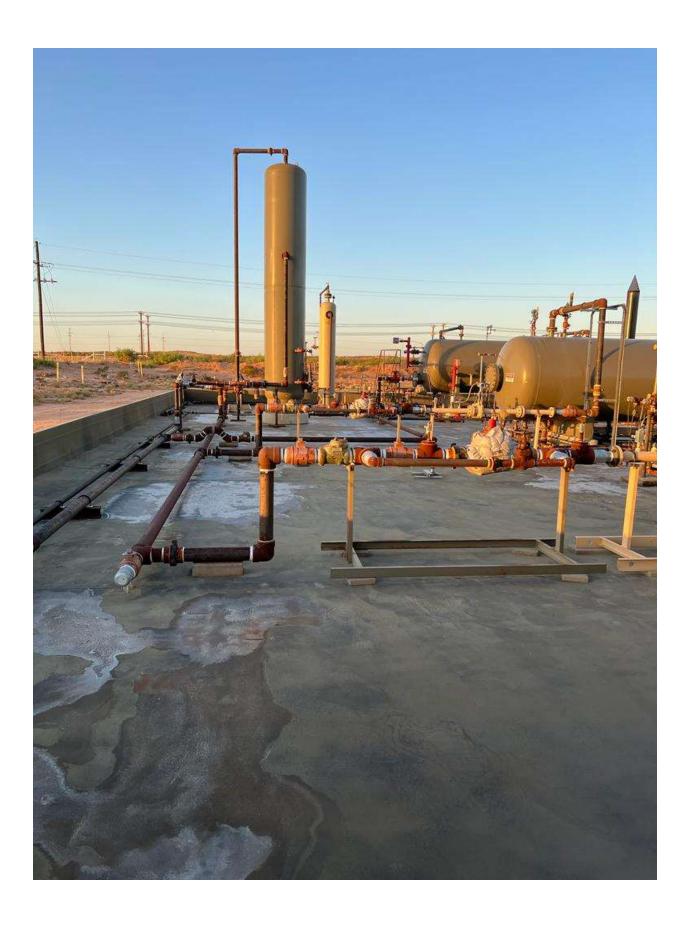
Liner Integrity Inspection (Photos Attached) Date: 7/21/ Facility: HCMLS 9H 1DH CTB 48 Hour Notification Given On: 7/24-	
Responsible party has visually inspected the liner	(y)N
Liner remains intact	Y
Liner had the ability to contain the leak in question:	Cyn
Notes: ND Failures NOted	
· no failures noted · containment pressure washed.	

Company Representative(s)

Melodie-Sanjari





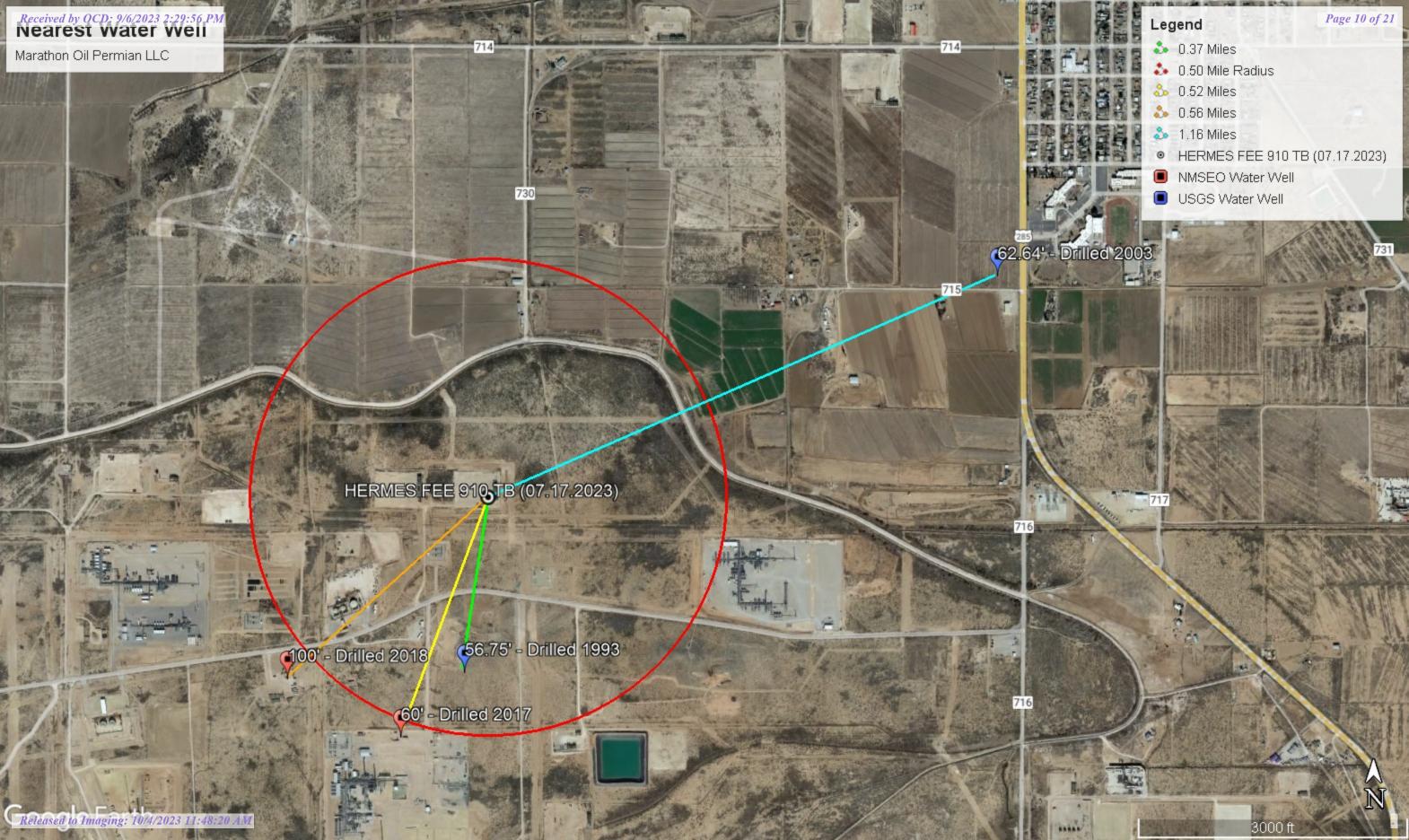


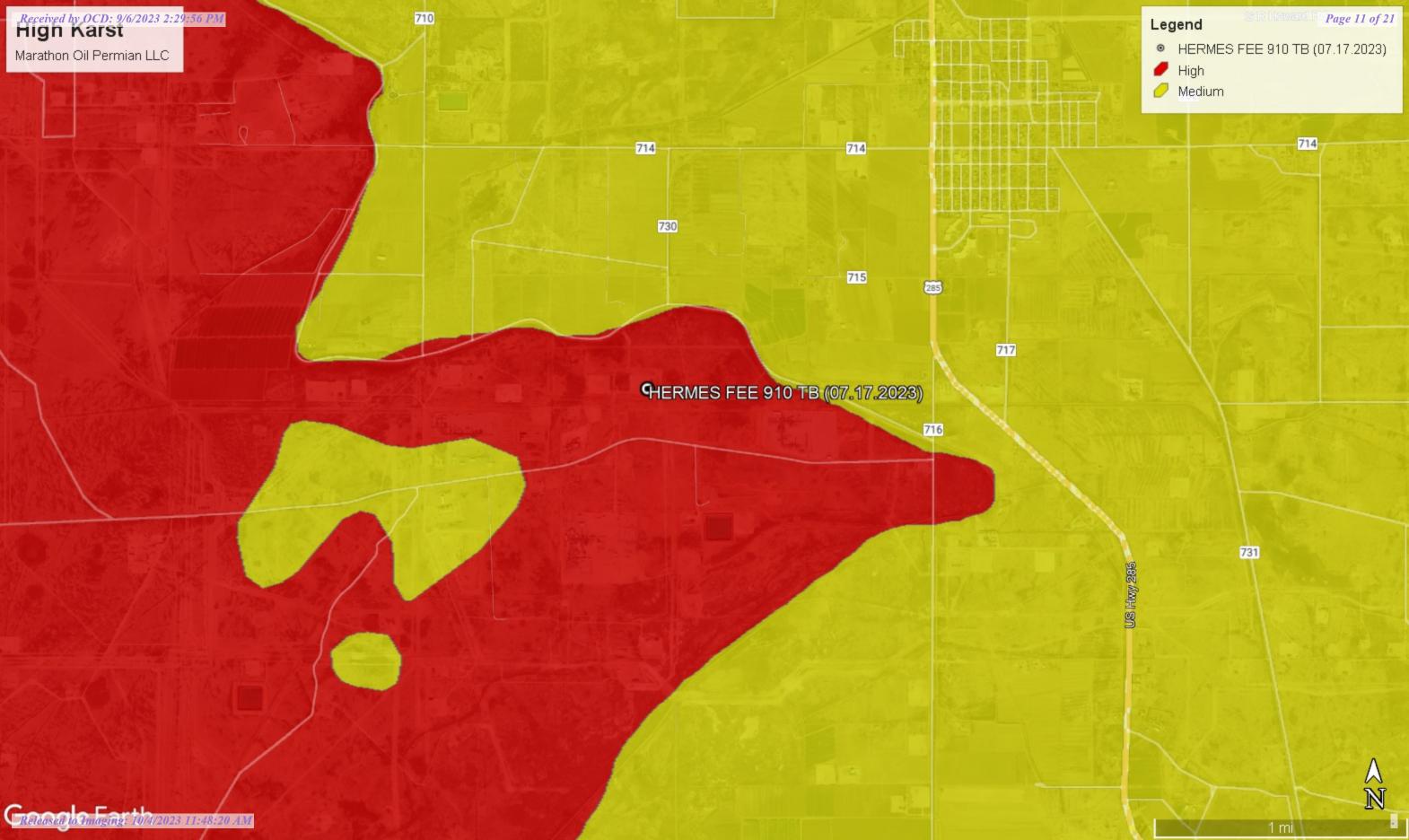


SECONDARY CONTAINMENT MAP MARATHON OIL COMPANY HERMES 9H, 10H CTB EDDY COUNTY, NEW MEXICO 32.2696781°, -104.120128°



FIGURE 1







New Mexico Office of the State Engineer Water Column/Average Depth to Water

(A CLW#### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned, C=the file is

closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

	POD Sub-		Q	Q Q)						Depth	Depth	Water
POD Number	Code basin	County	64 1	6 4	Sec	Tws	Rng	Х	Υ	Distance	-	-	Column
C 04037 POD1	С	ED	4	3 2	2 31	23S	28E	582576	3569872 🌕	845	99	60	39
C 04281 POD1	С	ED	2	4 1	31	23S	28E	582193	3570055 🌕	908	200	100	100
<u>C 01648</u>	С	ED		2 3	3 29	23S	28E	583667	3571184* 🌍	954	65	15	50
C 02037	С	ED		2 3	3 29	23S	28E	583667	3571184* 🌍	954	260		
C 04085 POD2	CUB	ED	2	4 1	31	23S	28E	582083	3569982 🌍	1039	240	100	140
C 04085 POD1	С	ED	1	4 1	31	23S	28E	582039	3570027 🌑	1044	250	200	50
<u>C 00108</u>	CUB	ED	1	1 4	29	23S	28E	583974	3571285* 🌍	1269	152	10	142

Average Depth to Water:

80 feet

Minimum Depth:

10 feet

Maximum Depth:

200 feet

Record Count: 7

UTMNAD83 Radius Search (in meters):

Radius: 2000 Easting (X): 582865 Northing (Y): 3570667

*UTM location was derived from PLSS - see Help

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Search Results -- 1 sites found

Agency code = usgs site_no list =

321552104071601

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 321552104071601 23S.28E.31.23142

Eddy County, New Mexico

Latitude 32°15'52", Longitude 104°07'16" NAD27

Land-surface elevation 3,139 feet above NAVD88

The depth of the well is 93 feet below land surface.

This well is completed in the Other aguifers (N9999OTHER) national aguifer.

This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

Tab-separated data

Table of data

Graph of data Reselect perio	raph of data eselect period											
Date	Time	? Water- level date- time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measur		
1954-02-16		D	62610		3076.67	NGVD29	1		Z			
1954-02-16		D	62611		3078.28	NAVD88	1		Z			
1954-02-16		D	72019	60.72			1		Z			
1955-01-17		D	62610		3077.42	NGVD29	1		Z			
1955-01-17		D	62611		3079.03	NAVD88	1		Z			
1955-01-17		D	72019	59.97			1		Z			
1956-01-10		D	62610		3079.69	NGVD29	1		Z			
1956-01-10		D	62611		3081.30	NAVD88	1		Z			
1956-01-10		D	72019	57.70			1		Z			
1957-01-09		D	62610		3080.29	NGVD29	1		Z			
1957-01-09		D	62611		3081.90	NAVD88	1		Z			
1957-01-09		D	72019	57.10			1		Z			
1958-01-10		D	62610		3076.36	NGVD29	1		Z			
1958-01-10		D	62611		3077.97	NAVD88	1		Z			

Date	Time	? Water-level date-time accuracy	? Pai	rameter de	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum
1050 01 10	5	72010	61.02			1	7
1958-01-10 1959-01-09	D D	72019 62610	61.03	3079.13	NGVD29	1	Z Z
1959-01-09	D	62611		3080.74	NAVD88	1	Z
1959-01-09	D	72019	58.26	3000171	1010200	1	Z
1960-01-15	D	62610	50.25	3078.19	NGVD29	P	Z
1960-01-15	D	62611		3079.80	NAVD88	P	Z
1960-01-15	D	72019	59.20			Р	Z
1961-01-13	D	62610		3078.87	NGVD29	Р	Z
1961-01-13	D	62611		3080.48	NAVD88	Р	Z
1961-01-13	D	72019	58.52			Р	Z
1962-01-19	D	62610		3072.11	NGVD29	Р	Z
1962-01-19	D	62611		3073.72	NAVD88	Р	Z
1962-01-19	D	72019	65.28			Р	Z
1963-01-22	D	62610		3081.24	NGVD29	1	Z
1963-01-22	D	62611		3082.85	NAVD88	1	Z
1963-01-22	D	72019	56.15			1	Z
1964-01-20	D	62610		3080.15	NGVD29	1	Z
1964-01-20	D	62611		3081.76	NAVD88	1	Z
1964-01-20	D	72019	57.24			1	Z
1965-01-14	D	62610		3080.37	NGVD29	1	Z
1965-01-14	D	62611		3081.98	NAVD88	1	Z
1965-01-14	D	72019	57.02			1	Z
1966-01-05	D	62610		3079.16	NGVD29	1	Z
1966-01-05	D	62611		3080.77	NAVD88	1	Z
1966-01-05	D	72019	58.23			1	Z
1968-01-26	D	62610		3074.26	NGVD29	1	Z
1968-01-26	D	62611		3075.87	NAVD88	1	Z
1968-01-26	D	72019	63.13			1	Z
1978-01-04	D	62610		3077.05	NGVD29	1	Z
1978-01-04	D	62611		3078.66	NAVD88	1	Z
1978-01-04	D	72019	60.34			1	Z
1983-01-26	D	62610		3076.86	NGVD29	1	Z
1983-01-26	D	62611		3078.47	NAVD88	1	Z
1983-01-26	D	72019	60.53			1	Z
1988-02-11	D	62610		3080.16	NGVD29	1	Z
1988-02-11	D	62611		3081.77	NAVD88	1	Z
1988-02-11	D	72019	57.23			1	Z
1993-02-03	D	62610		3080.64	NGVD29	1	S
1993-02-03	D	62611		3082.25	NAVD88	1	S
1993-02-03	D	72019	56.75			1	S

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? S	
Method of measu	rement	Z	Other.					
Measuring agency	y		Not determined					
Source of measur	rement		Not determined					
Water-level approval status A			Approved for publication Processing and review completed.					

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Title: Groundwater for New Mexico: Water Levels

URL: https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?

Page Contact Information: New Mexico Water Data Maintainer Page Last Modified: 2023-08-16 10:57:46 EDT

1.37 0.48 nadww02





New Mexico Office of the State Engineer

Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag **POD Number**

Q64 Q16 Q4 Sec Tws Rng 23S

X

C 04037 POD1

582576

3569872

Driller License: 1348 **Driller Company:** TAYLOR WATER WELL SERVICE

Driller Name: TAYLOR, CLINTON E.

07/17/2017

Drill Finish Date:

07/18/2017

99 feet

Plug Date:

Shallow

Drill Start Date: Log File Date:

08/28/2017

PCW Rcv Date:

Depth Well:

Source:

Pump Type: Casing Size:

Pipe Discharge Size:

Estimated Yield:

8 GPM

4.50

Description Top **Bottom**

Depth Water:

60 feet

Water Bearing Stratifications:

60

Shale/Mudstone/Siltstone

82

Shale/Mudstone/Siltstone

Casing Perforations:

Bottom Top

59 99

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8/16/23 9:02 AM

POINT OF DIVERSION SUMMARY



New Mexico Office of the State Engineer

Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

 Well Tag
 POD Number
 Q64 Q16 Q4 Sec
 Tws
 Rng
 X
 Y

 22157
 C 04281 POD1
 2 4 1 31 23S 28E
 582193 3570055

Driller License: 1778 Driller Company: THIRD GENERATION DRILLING

Driller Name: TRAVIS MANN

Drill Start Date: 10/10/2018 **Drill Finish Date:** 10/16/2018 **Plug Date:**

Log File Date:11/05/2018PCW Rcv Date:Source:ShallowPump Type:Pipe Discharge Size:Estimated Yield:30 GPMCasing Size:5.00Depth Well:200 feetDepth Water:100 feet

Water Bearing Stratifications: Top Bottom Description
160 180 Sandstone/Gravel/Conglomerate

Casing Perforations: Top Bottom
40 180

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Search Results -- 1 sites found

Agency code = usgs site_no list =

• 321635104060701

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 321635104060701 23S.28E.29.24333

Eddy County, New Mexico

Table of data

Tab-separated data

Latitude 32°16'35", Longitude 104°06'07" NAD27

Land-surface elevation 3,075 feet above NAVD88

This well is completed in the Other aquifers (N9999OTHER) national aquifer.

This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

Graph of da	ata									
<u>Reselect pe</u>	riod									
Date	Time	? Water- level date- time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measur
								_		
1954-11-0		D	62610		3000.71	NGVD29	1	Z _		
1954-11-0		D	62611	72.70	3002.30	NAVD88	1	Z		
1954-11-0 1978-01-0		D	72019 62610	72.70	2999.32	NGVD29	1	Z		
1978-01-0		D D	62611		3000.91	NAVD88	1	Z		
1978-01-0		D	72019	74.09	3000.91	NAVDOO	1	Z		
1983-01-2		D	62610	7 1103	3021.69	NGVD29	1	7		
1983-01-2		D	62611		3023.28	NAVD88	1			
1983-01-2	.6	D	72019	51.72			1	Z		
1988-02-1	1	D	62610		3027.87	NGVD29	1	Z	, -	
1988-02-1	1	D	62611		3029.46	NAVD88	1	Z	2	
1988-02-1	1	D	72019	45.54			1	Z	-	
1993-02-0	3	D	62610		3028.11	NGVD29	1	9	5	
1993-02-0	3	D	62611		3029.70	NAVD88	1	S	5	
1993-02-0	3	D	72019	45.30			1	9	5	

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	,	Referenced vertical datum	?
1995-07-19	D	62610	302	4.37 NGVD29	1	S		
1995-07-19	D	62611	302	5.96 NAVD88	1	S		
1995-07-19	D	72019	49.04		1	S		
1996-01-25	D	62610	302	7.05 NGVD29	1	S		
1996-01-25	D	62611	302	8.64 NAVD88	1	S		
1996-01-25	D	72019	46.36		1	S		
2003-01-29	D	62610	301	0.77 NGVD29	1	S	USGS	
2003-01-29	D	62611	301	2.36 NAVD88	1	S	USGS	
2003-01-29	D	72019	62.64		1	S	USGS	

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Measuring agency	USGS	U.S. Geological Survey
Source of measurement		Not determined
Source of measurement	S	Measured by personnel of reporting agency.
Water-level approval status	А	Approved for publication Processing and review completed.

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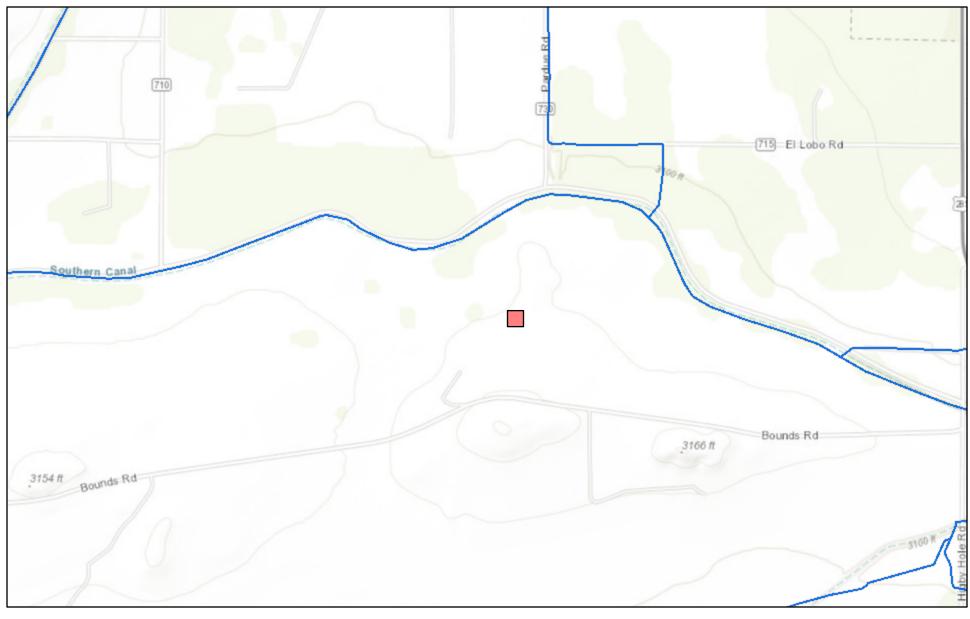
Title: Groundwater for New Mexico: Water Levels URL: https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?

Page Contact Information: New Mexico Water Data Maintainer Page Last Modified: 2023-08-16 10:59:41 EDT

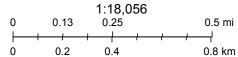
0.38 0.32 nadww01



New Mexico NFHL Data



August 16, 2023



FEMA, Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey,

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

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 262792

CONDITIONS

Operator:	OGRID:
MARATHON OIL PERMIAN LLC	372098
990 Town & Country Blvd.	Action Number:
Houston, TX 77024	262792
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Create	ed By		Condition Date
scw	ells	None	10/4/2023