

#### SITE INFORMATION

Closure Report Graham Nash State 6H (06.27.22) Incident #: NAPP2218849935 Eddy County, New Mexico Unit G Sec 33 T26S R28E 32.001814°, -104.09056°

Produced Water Release
Point of Release: Tank Overflow
Release Date: 06/27/2022

Volume Released: 7.313 barrels of Produced Water Volume Recovered: 4 barrels of Produced Water

# CARMONA RESOURCES

Prepared for: Concho Operating, LLC 15 West London Road Loving, New Mexico 88256

Prepared by: Carmona Resources, LLC 310 West Wall Street Suite 415 Midland, Texas 79701



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March 13, 2022

Mike Bratcher District Supervisor Oil Conservation Division, District 2 811 S. First Street Artesia, New Mexico 88210

**Re:** Closure Report

Graham Nash State 6H (06.27.22) Concho Operating, LLC Incident ID NAPP2218849935 Site Location: Unit G, S33, T26S, R28E

(Lat 32.00184°, Long -104.09056°)

**Eddy County, New Mexico** 

Mr. Bratcher:

On behalf of Concho Operating, LLC (COG), Carmona Resources, LLC has prepared this letter to document site activities for Graham Nash State 6H (06.27.22). The site is located at 32.00184°, - 104.09056° within Unit G, S33, T26S, R28E, in Eddy County, New Mexico (Figures 1 and 2).

#### 1.0 Site information and Background

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on June 27, 2022, due to a water transfer pump going down, causing tanks to overflow inside the secondary containment. It resulted in approximately seven point three one three (7.313) barrels of produced water and four (4) barrels of produced water recovered. See figure 3. The initial C-141 form is attached in Appendix B.

#### 2.0 Site Characterization and Groundwater

The site is located within a high karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, one (1) known water source, the Delaware River, is located 0.30 West of the location. The closest well is located approximately 1.31 miles Northwest of the site in S29, T26S, R28E and was drilled in 2020. The well has a reported depth to groundwater of 33' feet below ground surface (ft bgs). A copy of the associated point of diversion is attached in Appendix C.

#### 3.0 Site Characterization and Groundwater

Per the NMOCD regulatory criteria established in 19.15.29.12 NMAC, the following criteria were utilized in assessing the site.

- Benzene: 10 milligrams per kilogram (mg/kg).
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg.
- TPH: 100 mg/kg (GRO + DRO + MRO).
- Chloride: 600 mg/kg.



#### **4.0 Liner Inspection Activities**

Before performing the liner inspection, the NMOCD division office was notified via email on June 27, 2022, per Subsection D of 19.15.29.12 NMAC. See Appendix B. On July 21, 2022, Carmona Resources, LLC conducted liner inspection activities to assess the liner's integrity within the facility and determined the liner was intact with no integrity issues. Refer to the Photolog.

#### **5.0 Conclusions**

Based on the liner inspection throughout the facility, no further actions are required at the site. The final C-141 is attached, and COG formally requests closure of the spill. If you have any questions regarding this report or need additional information, don't hesitate to contact us at 432-813-1992.

Sincerely,

Carmona Resources, LLC

Conner Moehring

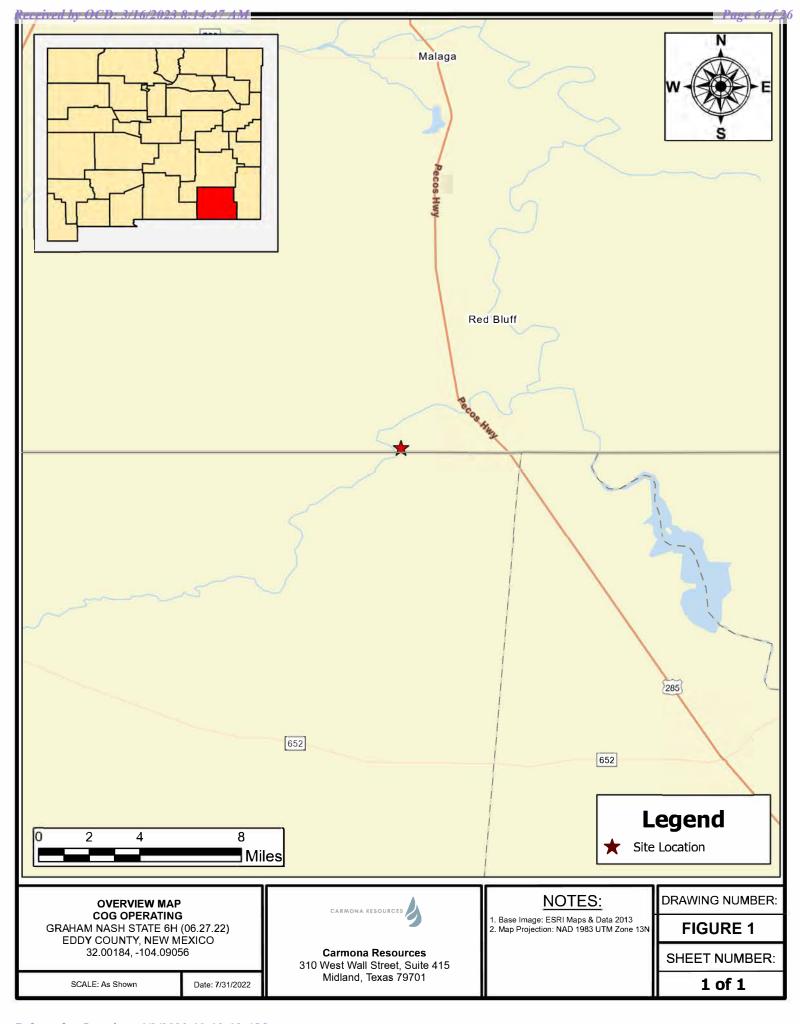
Sr. Project Manager

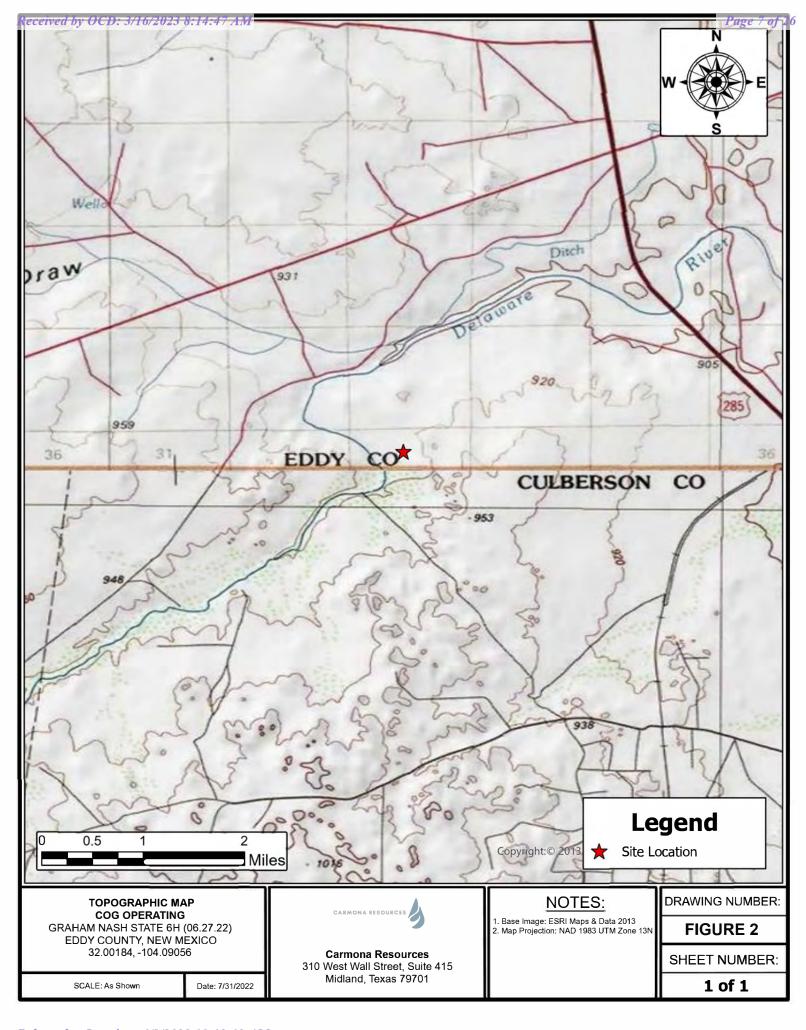
Ashton Thielke

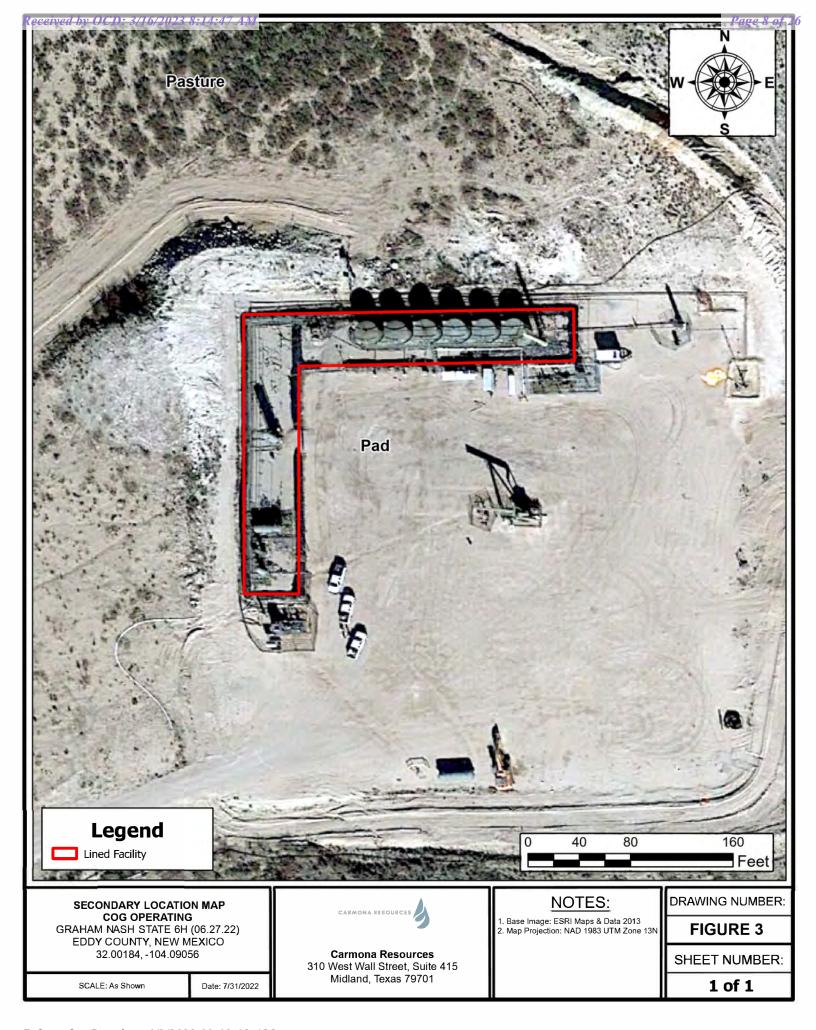
Sr. Project Manager

# **FIGURES**

# CARMONA RESOURCES







# **APPENDIX A**

# CARMONA RESOURCES

#### PHOTOGRAPHIC LOG

Concho Operating, LLC

#### Photograph No. 1

Facility: Graham Nash State 6H (06.27.22)

County: Eddy County, New Mexico

**Description:** 

View East of lined facility.



#### Photograph No. 2

Facility: Graham Nash State 6H (06.27.22)

County: Eddy County, New Mexico

**Description:** 

View East of lined facility.



#### Photograph No. 3

**Facility:** Graham Nash State 6H (06.27.22)

County: Eddy County, New Mexico

**Description:** 

View East of lined facility.





#### PHOTOGRAPHIC LOG

Concho Operating, LLC

#### Photograph No. 4

Facility: Graham Nash State 6H (06.27.22)

County: Eddy County, New Mexico

**Description:** 

View South of lined facility.



#### Photograph No. 5

**Facility:** Graham Nash State 6H (06.27.22)

County: Eddy County, New Mexico

**Description:** 

View South of lined facility.



#### Photograph No. 6

Facility: Graham Nash State 6H (06.27.22)

County: Eddy County, New Mexico

**Description:** 

View West of lined facility.





# **APPENDIX B**

# CARMONA RESOURCES

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
District IV
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	
District RP	
Facility ID	
Application ID	

#### **Release Notification**

#### **Responsible Party**

Responsible Party					OGRID				
Contact Name					Contact Telephone				
Contact emai	i1			Incident	Incident # (assigned by OCD)				
Contact mail:	ing address			· · · · · · · · · · · · · · · · · · ·					
			Location	of Release	Source				
Latitude				Longitud	e				
			(NAD 83 in dec	cimal degrees to 5 de	ecimal places)				
Site Name				Site Typ	e				
Date Release	Discovered			API# (if	applicable)				
Unit Letter	Section	Township	Range	Co	ounty				
Onit Detter	Section	Township	Runge		, diffy	+			
Surface Owner	r: State	☐ Federal ☐ Tr	ribal Private (I	Name:		)			
			Nature and	d Volume of	f Release				
Crude Oil		l(s) Released (Select al Volume Release		calculations or speci	Volume Reco	e volumes provided below) overed (bbls)			
Produced	Water	Volume Release	` ,		Volume Recovered (bbls)				
			ion of dissolved c	hloride in the	Yes No				
		produced water							
Condensa	te	Volume Release	d (bbls)		Volume Reco	overed (bbls)			
Natural G	as	Volume Release	d (Mcf)		Volume Recovered (Mcf)				
Other (describe) Volume/Weight Released (provide units					Volume/Weight Recovered (provide units)				
Cause of Rele	ease								

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Was this a major release as defined by	If YES, for what reason(s) does the resp	onsible party consider this a major release?
19.15.29.7(A) NMAC?		
☐ Yes ☐ No		
If VEC was immediate as	otice given to the OCD? Dr. whom? To y	whom? When and by what means (phone, email, etc)?
II 1ES, was immediate no	once given to the OCD? By whom? To v	when and by what means (phone, email, etc)?
	Initial F	Response
The responsible p	party must undertake the following actions immedia	ely unless they could create a safety hazard that would result in injury
☐ The source of the rele	ase has been stopped.	
☐ The impacted area has	s been secured to protect human health an	d the environment.
☐ Released materials ha	we been contained via the use of berms or	dikes, absorbent pads, or other containment devices.
	ecoverable materials have been removed a	
If all the actions described	d above have <u>not</u> been undertaken, explain	ı why:
D 1017.00 0 D (1) 201		
has begun, please attach a	a narrative of actions to date. If remedia	remediation immediately after discovery of a release. If remediation l efforts have been successfully completed or if the release occurred please attach all information needed for closure evaluation.
regulations all operators are public health or the environm failed to adequately investigations.	required to report and/or file certain release no ment. The acceptance of a C-141 report by the ate and remediate contamination that pose a th	e best of my knowledge and understand that pursuant to OCD rules and tifications and perform corrective actions for releases which may endanger OCD does not relieve the operator of liability should their operations have reat to groundwater, surface water, human health or the environment. In if responsibility for compliance with any other federal, state, or local laws
Printed Name		Title:
Signature:	an Espartze	Date:
email:		Telephone:
OCD Only		
Received by:		Date:

#### L48 Spill Volume Estimate Form Received by OCD: 3/16/2023 8-14-4 Name & Number: Graham Nash ST 6H Page 15 of 26 Asset Area: Carlsbad 4 South Release Discovery Date & Time: 06/27/2022 1:00 P.M. Release Type: Produced Water Provide any known details about the event. Water tanks overflowed due to power outage Spill Calculation - On Pad Surface Pool Spill Deepest point in Estimated Estimated Convert Irregular shape No. of boundaries Estimated Penetration Total Estimated Length Width each of the volume of each into a series of of "shore" in each Average Depth Volume of Spill Pool Area allowance (ft.) (ft.) areas pool area rectangles (sq. ft.) (ft.) (ft.) (bbl.) area (in.) (bbl.) Rectangle A 0.50 1620.000 4.005 45.0 36.0 3 0.014 0.001 4.008 0.15 1620,000 Rectangle B 45.0 36.0 2 0.006 1.802 0.000 1.803 0.15 Rectangle C 45.0 30.0 1350,000 1.502 0.006 0.000 1.502 Rectangle D 0.000 #DIV/0! #DIV/0! #DIV/0! #DIV/0! Rectangle E 0.000 #DIV/0! #DIV/0! #DIV/0! #DIV/0! #DIV/0! Rectangle F 0.000 #DIV/0! #DIV/0! #DIV/0! Rectangle G 0.000 #DIV/0! #DIV/0! #DIV/0! #DIV/0! Rectangle H 0.000 #DIV/0! #DIV/0! #DIV/0! #DIV/0! Rectangle I 0.000 #DIV/0! #DIV/0! #DIV/0! #DIV/0! Rectangle I 0.000 #DIV/0!

#DIV/0!

#DIV/0!

Total Volume Release:

#DIV/0!

7.313

Released to Imaging: 6/9/2023 10:13:12 AM

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#### **Site Assessment/Characterization**

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	(ft bgs)			
Did this release impact groundwater or surface water?				
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☐ No			
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☐ No			
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☐ No			
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☐ No			
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☐ No			
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☐ No			
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☐ No			
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☐ No			
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☐ No			
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☐ No			
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	☐ Yes ☐ No			
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and ver contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.	tical extents of soil			
Characterization Report Checklist: Each of the following items must be included in the report.				
Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring well Field data  Data table of soil contaminant concentration data  Depth to water determination  Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release  Boring or excavation logs  Photographs including date and GIS information  Topographic/Aerial maps  Laboratory data including chain of custody	ls.			

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

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e best of my knowledge and understand that pursuant to OCD rules and tifications and perform corrective actions for releases which may endanger OCD does not relieve the operator of liability should their operations have reat to groundwater, surface water, human health or the environment. In f responsibility for compliance with any other federal, state, or local laws
Title:
Date:
Telephone:
Date:03/16/2023

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### 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 must be included in the closure report.

	•
A scaled site and sampling diagram as described in 19.15.29.1	11 NMAC
Photographs of the remediated site prior to backfill or photos must be notified 2 days prior to liner inspection)	of the liner integrity if applicable (Note: appropriate OCD District office
☐ Laboratory analyses of final sampling (Note: appropriate ODC	C District office must be notified 2 days prior to final sampling)
☐ Description of remediation activities	
and regulations all operators are required to report and/or file certain may endanger public health or the environment. The acceptance of	ntions. The responsible party acknowledges they must substantially anditions that existed prior to the release or their final land use in
Printed Name:	
Signature:	Date:
email:	Telephone:
OCD Only	
Received by: Jocelyn Harimon	Date:03/16/2023
	of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible or regulations.
Closure Approved by: Nelson Velez	Date:06/09/2023
Closure Approved by: Nelson Velez  Printed Name: Nelson Velez	Title:Environmental Specialist - Adv

From: Mike Carmona

Sent: Tuesday, July 19, 2022 9:51 AM

**To:** OCD.Enviro@state.nm.us

Cc: Harris, Jacqui; Conner Moehring

Subject: COG Graham Nash State 6H (6.27.22) Notification

#### Good Morning,

On behalf of COG, Carmona Resources will conduct a liner inspection at the below-referenced site on <u>07/21/2022</u>. Please let me know if you have any questions.

Graham Nash State 6H (6.27.22) 32.0018°, -104.0906° Eddy County, New Mexico

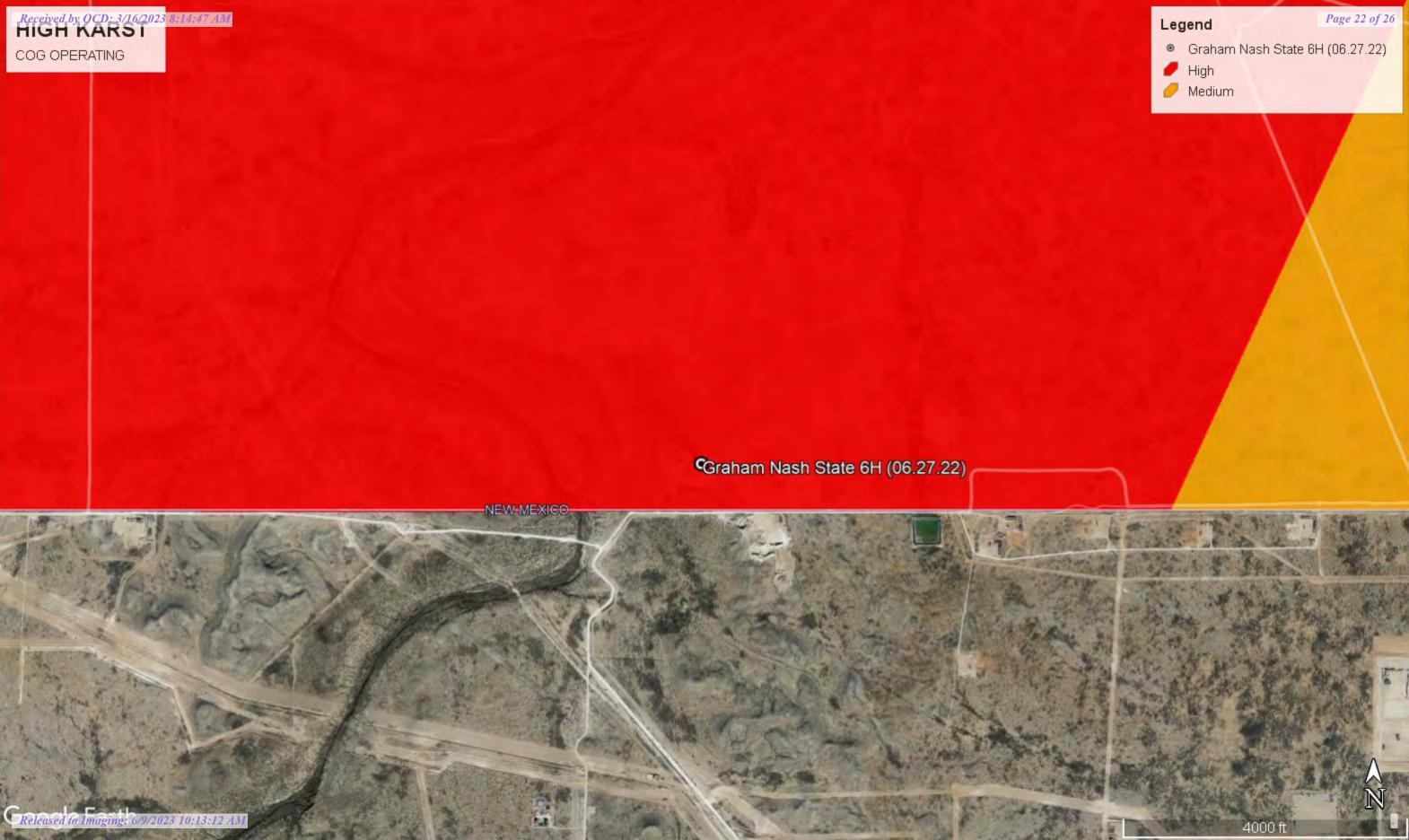
Mike J. Carmona 310 West Wall Street, Suite 415 Midland TX, 79701 M: 432-813-1992 Mcarmona@carmonaresources.com



# **APPENDIX C**

# CARMONA RESOURCES







# 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 (	Ω							Depth	Depth	Water
POD Number	Code basin	County	64 1	6 4	Sec	Tws	Rng	Х	Υ	Distance	-	-	Column
C 04466 POD1	CUB	ED	3	3 2	29	26S	28E	584327	3542357 🌍	2100	96	33	63
C 04022 POD2	CUB	ED	2	2 2	27	26S	28E	588106	3543082 🌑	3014	250	145	105
C 02160 S7	CUB	ED	3	3 1	22	26S	28E	586638	3543998* 🌕	3082	300	120	180

Average Depth to Water: 99 feet

Minimum Depth: 33 feet

Maximum Depth: 145 feet

-

**Record Count: 3** 

**UTMNAD83 Radius Search (in meters):** 

Easting (X): 585928.86 Northing (Y): 3540998 Radius: 4000

\*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.



### 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

 NA
 C 04466 POD1
 3 3 2 29 26S 28E

**X Y** 584327 3542357

Driller License: 1456

Driller Company: WHITE DRILLING COMPANY

**Driller Name:** JOHN W WHITE

**Drill Start Date:** 09/01/2020 **Drill Finish Date:** 09/02/2020 **Plug Date:** 10/16/2020 Log File Date: 11/12/2020 **PCW Rcv Date:** Source: Shallow **Pump Type:** Pipe Discharge Size: **Estimated Yield:** 0 GPM **Casing Size:** Depth Well: 96 feet **Depth Water:** 33 feet

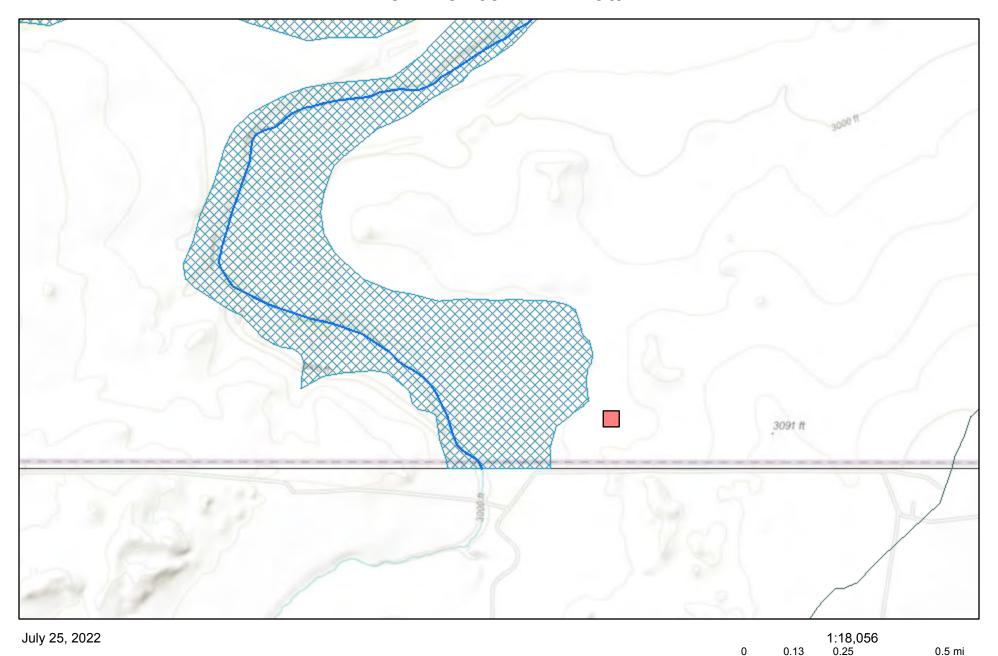
Water Bearing Stratifications:	Top	Bottom	Description
	33	35	Sandstone/Gravel/Conglomerate
	35	37	Other/Unknown
	37	42	Other/Unknown
	42	54	Sandstone/Gravel/Conglomerate
	54	65	Other/Unknown
	65	67	Sandstone/Gravel/Conglomerate
	67	74	Sandstone/Gravel/Conglomerate

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

7/25/22 12:36 PM

POINT OF DIVERSION SUMMARY

### New Mexico NFHL Data



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

0.2

0.4

0.8 km

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 197798

#### **CONDITIONS**

Operator:	OGRID:
COG OPERATING LLC	229137
600 W Illinois Ave	Action Number:
Midland, TX 79701	197798
	Action Type:
	[C-141] Release Corrective Action (C-141)

#### CONDITIONS

Created By		Condition Date
nvelez	None	6/9/2023