APPROVED

By Olivia Yu at 11:00 am, Oct 22, 2018

NMOCD grants closure to incident

nOY1735250845.



EOG Resources, Inc. Artesia Division Office 104 S. 4th Street Artesia, N. M. 88210

October 9, 2018

Ms. Olivia Yu NMOCD District I 1625 N. French Drive Hobbs, New Mexico 88240

Re:

Waylon BMD State #8

30-025-38256

Section 14, T11S-R34E Lea County, New Mexico

1RP-

Ms. Yu,

EOG Y Resources, Inc. is submitting the enclosed CLOSURE REPORT and C-141 Final Report for the above captioned location. The report is being submitted in response to the C-141 Initial Report dated 12/18/2017.

Thank you.

EOG Y Resources, Inc.

Robert Asher

Environmental Supervisor



I. Location

From Tatum, NM, travel west on US Highway 380 for approximately 12 miles to Four Lakes Road. Turn right (North) and continue for approximately 2.5 miles, turn right (East), before cattle guard onto Farm Road. Continue approximately 0.5 miles, to a "Y" in the road and turn left, continue through a cattle guard. Curve back West and then and continue North for approximately 1.7 miles to a "T" in the road. Turn right (East) and continue for approximately 0.4 miles to the Southwest corner of the well pad.

II. Background

On December 15, 2017, EOG Y Resources, Inc. submitted to the NMOCD District I Office a Form C-141 for the release of 5 B/O with 4.5 B/O recovered (the remaining 0.5 B/O entrained within the gravel). The affected area is approximately 30' X 30' within the containment of the production facility and was contained within the bermed and lined battery. The release was caused by a production tank, a valve was left open causing the oil to equalize and overflow the tank. A vacuum truck was dispatched and recovered 90% of the released oil. A roustabout crew was dispatched and excavated the visibly impacted gravel. The impacted gravel excavated was hauled to an NMOCD approved disposal facility.

III. Surface and Ground Water

Area surface geology is Paleozoic Permian. Based on information regarding this location (Section 14, T11S-R34E), the New Mexico Office of the State Engineer (NMOSE) database depth to groundwater is follows: (NMOSE-L06372, DTGW @ 80'), the United States Geological Survey National Water Information System, is as follows: (USGS #332301103291301, DTGW @ 18.25', USGS #332230103294501, DTGW @ 19.5', USGS #332118103283901, DTGW @ 25' & USGS #332212103282101, DTGW @ 26.5'). The depth to groundwater is <50', per USGS and NMOSE groundwater level. Based on this information the Site Ranking is a Twenty (20).

Watercourses in the area are dry except for infrequent flows in response to major precipitation events, with the nearest body of surface water is House Lake (0.91 miles, SW direction).

IV. NMOCD Ranking Criteria

The ranking for this site is Zero (0) based on the following:

Depth to ground water >100'
Wellhead Protection Area > 1000'
Distance to surface water body > 1000'



V. Liner Integrity

With the battery being bermed and lined with a 20 millimeter liner, Per the Conditions of Approval on the C-141 Initial Report, the NMOCD requested the liner to be inspected and provide a concise report of the inspection with affirmation the liner has and will continue to contain liquids.

Per 19.15.29.11, EOG Y Resources, Inc. has conducted the following actions:

- (5) Soil/Waste characteristics.
 - (a) If the release occurred within a lined containment area, the responsible party must demonstrate liner integrity after affected material is removed and the affected area of the liner is exposed and provide:
 - (i) certification on form C-141 that the responsible party has visually inspected the liner where the release occurred and the liner remains intact and had the ability to contain the leak in question (Appendix F); and
 - (ii) at least two business days' notice to the appropriate division district office before conducting the liner inspection (Appendix E).



Figure 1

Site Map





Figure 2

Photos













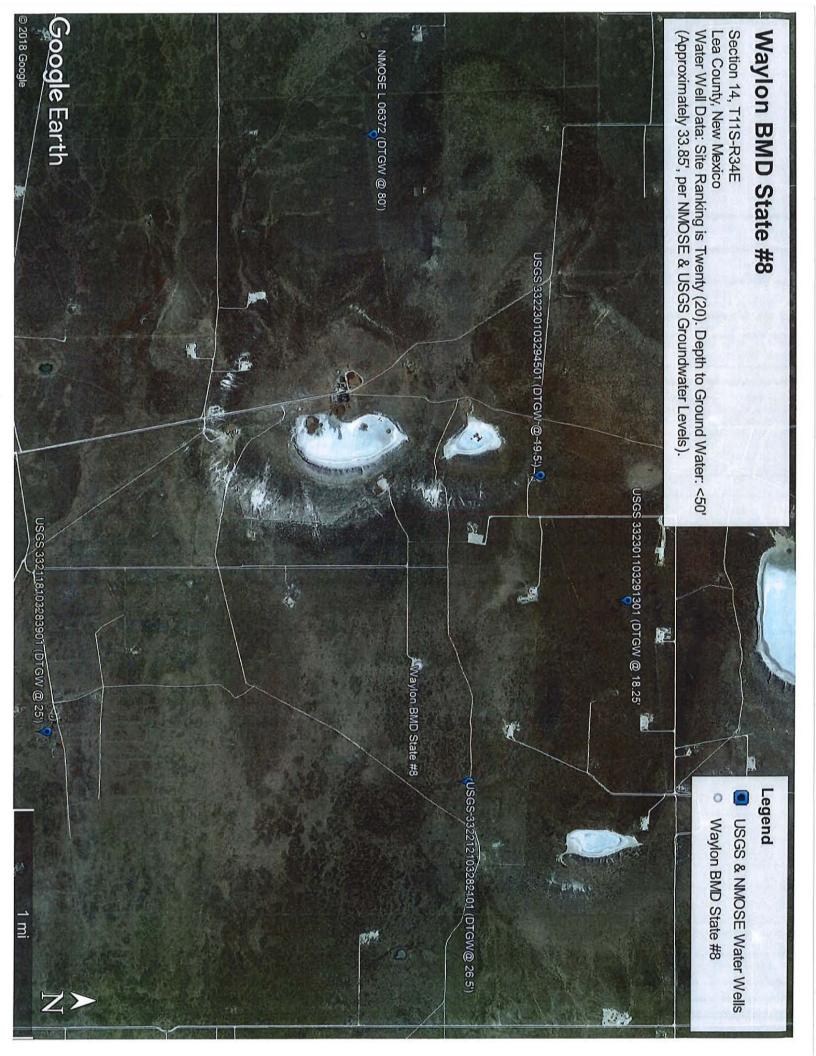






Appendix A

Water Well Date Site Map





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

Х

L 06372

16 11S 34E

637458 3693013*

Driller License:

Driller Company: ABBOTT BROTHERS COMPANY

Driller Name:

MURRELL ABBOTT

Drill Start Date: 08/18/1968

Drill Finish Date:

08/19/1968

Plug Date:

10/31/1968

Log File Date:

10/03/1968

PCW Rcv Date:

Source:

Shallow

Pump Type:

Pipe Discharge Size:

Estimated Yield:

Casing Size:

Depth Well:

124 feet

Depth Water:

80 feet

Water Bearing Stratifications:

Top Bottom Description

80

112

Sandstone/Gravel/Conglomerate

Sandstone/Gravel/Conglomerate



Appendix C

USGS Groundwater Level Information



National Water Information System: Web Interface

USGS Water Resources

Geographic Area:	
✓ United States ✓	GO
,	Geographic Area: United States

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USGS 332301103291301 11S.34E.02.33100

Available data for this site SUMMARY OF ALL AVAILABLE DATA >

Well Site

DESCRIPTION:

Latitude 33°23'01", Longitude 103°29'13" NAD27

Lea County, New Mexico Well depth: not determined.

Land surface altitude: 4,145 feet above NAVD88.

Well completed in "Ogallala Formation" (1210GLL) local aquifer

AVAILABLE DATA:

Data Type	Begin Date	End Date	Count
Field groundwater-level	1981-02-	1990-11-	3
measurements	17	30)

OPERATION:

Record for this site is maintained by the USGS New Mexico Water Science Center

Email questions about this site to New Mexico Water Science Center Water-**Data Inquiries**

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Title: NWIS Site Information for USA: Site Inventory URL: https://waterdata.usgs.gov/nwis/inventory?

Page Contact Information: USGS Water Data Support Team

Page Last Modified: 2017-12-15 08:55:07 EST

0.28 0.26 caww01





National Water Information System: Web Interface

USGS Water Resources	Data Category:		Geographic Area:			
0303 Water Resources	Groundwater	~	United States	~	GO	

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Groundwater levels for the Nation

Search Results -- 1 sites found

site_no list =

• 332301103291301

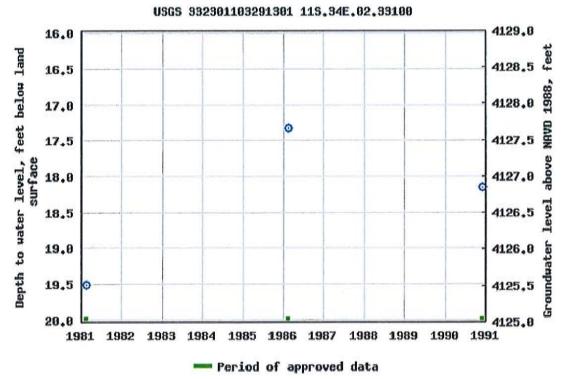
Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 332301103291301 11S.34E.02.33100

Available data for this site	Groundwater:	Field measurements	_✓ GO
Lea County, New Mexico			
Hydrologic Unit Code			
Latitude 33°23'01", Longit	ude 103°29	9'13" NAD27	
Land-surface elevation 4,1	45 feet abov	ve NAVD88	
This well is completed in th	ne Ogallala F	Formation (12100	GLL) local aquifer.
A MARKET DO THAT DO IN THE DOT	Outpu	it formats	20

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Table of data	
Tab-separated data	
Graph of data	
Reselect period	



Breaks in the plot represent a gap of at least one year between field measurements.

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Title: Groundwater for USA: Water Levels

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

Page Contact Information: USGS Water Data Support Team

Page Last Modified: 2017-12-15 08:55:18 EST

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National Water Information System: Web Interface

USGS Water Resources

Data Category:		Geographic Area:		
Site Information	~	United States	~	GO

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USGS 332230103294501 11S.34E.10.413221

Available data for this site SUMMARY OF ALL AVAILABLE DATA V

Well Site

DESCRIPTION:

Latitude 33°22'41", Longitude 103°29'47" NAD27 Lea County, New Mexico , Hydrologic Unit 12080001

Well depth: not determined.

Land surface altitude: 4,144.00 feet above NGVD29.

Well completed in "Ogallala Formation" (1210GLL) local aquifer

AVAILABLE DATA:

Data Type	Begin Date	End Date	Count
Field groundwater-level	1971-03-	1996-01-	6
<u>measurements</u>	18	24	0

OPERATION:

Record for this site is maintained by the USGS New Mexico Water Science

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USA.gov

Page Contact Information: <u>USGS Water Data Support Team</u>

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National Water Information System: Web Interface

Data Category: Geographic Area:				
~	United States	~	GO	
	~	✓ United States	✓ United States ✓	

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Search Results -- 1 sites found

site_no list =

• 332230103294501

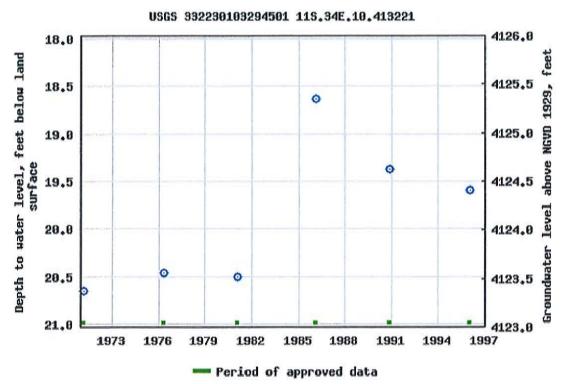
Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 332230103294501 11S.34E.10.413221

Available data for this site	Groundwater: F	ield measurements	_ ∨ GO
Lea County, New Mexico			
Hydrologic Unit Code 1208	0001		
Latitude 33°22'41", Longit	ude 103°29'4	17" NAD27	
Land-surface elevation 4,14	44.00 feet ab	ove NGVD29	
This well is completed in th	e Ogallala Fo	rmation (1210G	LL) local aquifer.
DAMES SERVED TO THE RESERVED TO	Output	formats	

Table of data		
Tab-separated data		
Graph of data		
Reselect period		



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

Page Contact Information: USGS Water Data Support Team

Page Last Modified: 2017-12-15 08:45:27 EST

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USGS Water Resources

Geographic Area:		
United States	~	GO
	United States	

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USGS 332118103283901 11S.34E.14.434441

Available data for this site SUMMARY OF ALL AVAILABLE DATA V GO

Well Site

DESCRIPTION:

Latitude 33°21'31", Longitude 103°28'38" NAD27 Lea County, New Mexico , Hydrologic Unit 12080001

Well depth: not determined.

Land surface altitude: 4,143.50 feet above NGVD29.

Well completed in "Ogallala Formation" (1210GLL) local aquifer

AVAILABLE DATA:

Data Type	Begin Date	End Date	Count
Field groundwater-level	1961-02-	1981-02-	5
<u>measurements</u>	15	17	5

OPERATION:

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0.27 0.26 caww01





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USGS Water Resources	Data Category:		Geographic Area:			
0303 Water Resources	Groundwater	~	United States	~	GO	

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Search Results -- 1 sites found

site_no list =

332118103283901

Minimum number of levels = 1

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USGS 332118103283901 11S.34E.14.434441

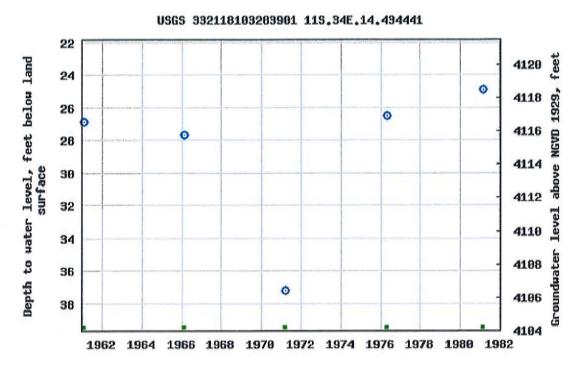
Available data for this site	Groundwater:	Field measurements	~	GO
Lea County, New Mexico			11	
Hydrologic Unit Code 1208	0001			
Latitude 33°21'31", Longit	ude 103°28	3'38" NAD27		
Land-surface elevation 4,1	43.50 feet a	bove NGVD29		
This well is completed in th	e Ogallala F	Formation (12100	GLL)	local aquifer.

Table of data

Tab-separated data

Graph of data

Reselect period



Period of approved data

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Title: Groundwater for USA: Water Levels

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1.01 0.89 nadww01





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USGS Water Resources

Data Category:		Geographic Area:		
Site Information	~	United States	~	GO
				3323

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USGS 332212103282101 11S.34E.11.444

Available data for this site SUMMARY OF ALL AVAILABLE DATA >

Well Site

DESCRIPTION:

Latitude 33°22'25", Longitude 103°28'24" NAD27 Lea County, New Mexico , Hydrologic Unit 12080001

Well depth: not determined.

Land surface altitude: 4,138.00 feet above NGVD29.

AVAILABLE DATA:

Data Type	Begin Date	End Date	Count
Field groundwater-level	1961-02-	1976-04-	1
measurements	15	27	4

OPERATION:

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OSGS Water Resources	Groundwater	~	United States	~	GO	

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Search Results -- 1 sites found

site_no list =

332212103282101

Minimum number of levels = 1

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USGS 332212103282101 11S.34E.11.444

Available data for this site	Groundwater: Field measurements	~	GO	
Lea County, New Mexico		7.50%		
Hydrologic Unit Code 1208	0001			
Latitude 33°22'25", Longit	tude 103°28'24" NAD27			
Land-surface elevation 4,1	38.00 feet above NGVD29			
1.5				

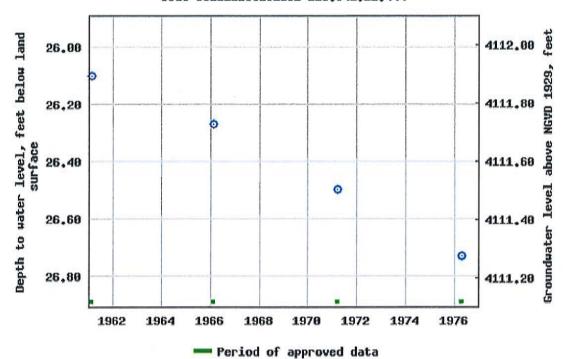
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Graph of data

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

Page Contact Information: USGS Water Data Support Team

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1.01 0.9 nadww01





Appendix D

Form C-141 Initial Report

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 Fc, NM 87505

State of New Mexico Energy Minerals and Natural Resources

Form C-141 Revised August 8, 2011

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

Name of C						OPERA	A COAK		× Initi	ial Report 🔀			
EUG Y RO	Name of Company OGRID Number						er Contact						
EOG Y Resources, Inc. 25575 Address						Robert Asher							
104 S. 4th	Street					Telephone No. 575-748-1471							
	Facility Name					Facility Typ							
Waylon B	Waylon BMD State #8					Battery							
Surface O	wner			Mineral (Owner				API No	0			
State	State State									25-38256			
				LOC	ATIO	N OF RE	LEASE						
Unit Letter	Section	Township	Range	Feet from the		/South Line	Feet from the	East/W	est Line	County			
C 14 11S 34E 660						North	2310	CALL BUSINESS COMES	/est	Lea			
			I	atitude 33.37	12234	_Longitude	103.4824219						
				NAT	TIDE	OF REL	FACE	- 3					
Type of Rel	ease		_	IVAI	UKE	Volume of	Programme Annie Company		Volume I	Recovered			
Oil						5 B/O			4.5 B/O	Recovered			
Source of R Production						Date and I	lour of Occurrence	e		Hour of Discovery			
	iate Notice G	liven?			-	11/25/2017 If YES, To			11/25/20	17; PM			
			Yes [No 🛛 Not Re	equired	N/A							
By Whom?						Date and H	lour						
N/A Was a Water	course Reac	hed?				N/A If YES, Volume Impacting the Watercourse.							
Was a water	course reac		Yes 🗵	No		II YES, VO	nume Impacting t	ne Water	course.				
If a Waterco	urse was Imr	acted, Descri	he Fully #				RECEIV	/ED					
Tr ii Trailoteo	arse mas imp	meteu, Deser	oc runy.						+ 2.00	nm Doo 1	9 2017		
		m and Remed			270 2 700) pm, Dec 1			
Pumper drai truck(s) and	ned water fro roustabout/ba	m oil tank to ackhoe crews	water tank	t. Left valve open	to long	g causing to m	uch fluid to equal	ize over,	Causing v	water tank to run o	ver. Vacuum		
Describe Are													
		nu Creanup A	ction rak	CH."									
An approxim	ate area of 1	0'X 30', this	battery is	bermed and has a	synthe	tic liner. Vacu	um truck recover	ed 4.5 B/	O, remain	ing 0.5 B/O entrain	ed within		
An approxin gravel mater	ate area of 1	0'X 30', this liner, Roustal	battery is out crews	bermed and has a removed impact	ed grave	el, that gravel	was disposed at a	n NMOC	D approv	ed facility FOG V	will inspect		
An approxin gravel mater liner and atte Protection A	ate area of 1 ial on top of st to liner int area: No, Dis	0'X 30', this liner, Roustal egrity, Depth	battery is out crews to Groun	bermed and has a removed impacte id Water: <50' (ed grav	el, that gravel imately 33.85	was disposed at a	n NMOC & USGS	D approv	red facility, EOG Y	will inspect		
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Appendix E

NMOCD I Two Days' Notice

Bob Asher

From:

Bob Asher

Sent:

Wednesday, October 3, 2018 7:20 AM

To:

olivia.yu@state.nm.us; NMSLO (Hobbs/Ryan Mann)

Cc:

Katie Jamison (Katie_Jamison@eogresources.com); Chase Settle Liner Inspection (Moped BQP State #1 & Waylon BMD State #8)

Subject: Tracking:

Recipient

Read

olivia.yu@state.nm.us

NMSLO (Hobbs/Ryan Mann)

Katie Jamison (Katie_Jamison@eogresources.com)

Read: 10/3/2018 8:10 AM

Chase Settle

Read: 10/3/2018 7:22 AM

EOG Resources, Inc. will be conducting a liner inspection at the following locations on October 5, 2018 at 7:00 AM.

Moped BQP State #1 Waylon BMD State #8

EOG FR/PPE Policy is as follows.

All EOG employees, contractors and Regulatory personnel or other Non-EOG personnel are required to wear approved FR clothing and PPE on all EOG locations.

FR Clothing:

Approved FR pants or jeans

Approved FR shirts are to be long sleeves.

PPE includes:

H2S Monitors

Safety Glasses

Hard Hat

Steel toed or closed toe leather shoes.

If Non-EOG personnel do not have these items (excluding footwear), items can be provided by EOG.

Thank you,

Robert C. "Bob" Asher

Environmental Supervisor

Safety & Environmental Department

EOG Resources, Inc.

Artesia Division

Artesia, NM 88210

575-748-4217 (Office)

575-365-4021 (Cell)

EOG Safety Begins With YOUR Safety





Appendix F

Form C-141 Final Report

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

Form C-141 Revised August 8, 2011 Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

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

			Rele	ease Notific	eation	and Co	orrective A	etion				
						OPERA	TOR		☐ Initi	al Report	\boxtimes	Final Report
Name of Co				OGRID Nun								
EOG Y Res	ources, Inc	c.		25575		Robert Asher						
Address						Telephone No.						
104 S. 4 th S						575-748-1471						
Facility Name						Facility Tyլ Battery	oe .					
wayton Biv	Waylon BMD State #8											
Surface Ow	ner			Mineral C)wner				API No			
State				State					30-005	-38256		
				LOCA	TIOI	OF RE	LEASE					
Unit Letter						South Line	Feet from the	East/V	Vest Line	County		
С						North	2310		West	Lea		
			Latit	ude 33.371223	34 Lo	ngitude 1	03.4824219 N	AD83				
Type of Rele	050			NAI	UKE	Volume of			Volume	Recovered		
Oil	asc					5 B/O	Release		4.5 B/O	Recovered		
Source of Re	lease						Hour of Occurren	ce		Hour of Dis	covery	(
Production T						11/25/201			11/25/20	17; PM	121	
Was Immedi	ate Notice C		Yes [No Not Re	equired	If YES, To N/A	Whom?					
By Whom?				M. Passage William Landschaff		Date and Hour						
N/A						N/A						
Was a Water	course Reac		Yes 🗵] No		If YES, Volume Impacting the Watercourse.						
If a Watercon	ırse was Im	pacted, Descr										
P\$250000010100442466650266	AND SHARE STORE SHOWING A SEC											
		em and Reme		n Taken.* k. Left valve open	to long	causing to p	web fluid to eaus	alize ove	. Caucina	water tank to	run o	ver Vacuum
		ackhoe crews			to long	causing to ii	racii fraid to equa	ilize ovei	. Causing	water tank to	ruii o	ver. vacuum
		and Cleanup A										
An approxim	ate area of	10'X 30', this	battery is	bermed and has a								
				s removed impact								
				nd Water: <50' (er Body: >1000'.								
				141 Final Report				demonst	i ating iin	er integrity,	EOG	•
I hereby certi	fy that the i	nformation gi	iven above	is true and comp	lete to th	ne best of my	knowledge and u	understar	nd that pur	suant to NMO	OCD ru	ules and
				nd/or file certain re								
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				investigate and retance of a C-141								
		vs and/or regu		tance of a C-141	report d	ocs not rene.	e the operator of	responsi	office of	omphanee w	itii airy	other
-		1	1 620			OIL CONSERVATION DIVISION						
a	AUS		•									
Signature:						0 1292						
Printed Name	: Robert As	sher				Approved by	Environmental S	specialist	:			===
Title: Enviro	nmental Sur	pervisor				Approval Da	te:	I	Expiration	Date:		
NSS CHALLAGON		323				militär	9000					
E-mail Addre	ss: bob_ash	er@eogresou	rces.com			Conditions o	Approval:			Attached		
Date: Octobe			100000000	ne: 575-748-4217		1RP-						
Attach Addi	ional Shee	ets If Necess	arv									