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

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

Form C-141

Revised April 3, 2017

MOT	'AD		175	Notific	atio	n and Co	rrective A	ction	ĺ			
NOT	AP	PKU	VE			OPERAT	OR		☐X Initia	al Report		Final Report
Name of Company RAZ OIL AND GAS						Contact BE	N THOMPSON					
Address 2403 AVE O EUNICE NM 88231							No. 575-399-245	57				
Facility Name YO ST #1						Facility Typ	e SWD					
Surface Ow	ner STATE)		Mineral C	wner				API No	. 30-025-3	8162	
				LOCA	TIO	N OF RE	LEASE					
Unit Letter D							h/South Line Feet from the East/W 840		st/West Line County LEA COUNTY			
LatitudeLongitude								NAD	83			
				NAT	URE	OF REL	EASE					
		CED WATE	R				Release 250			Recovered 60		
Source of Re	lease TANK	S					lour of Occurrence	e		Hour of Dis	covery	
Was Immedi	ate Notice G	iven?				05/05/18 If YES, To	Whom?		05/06/18			
, as minea	ale Notice o		X Yes	☐ No ☐ Not		RANCHE						
Required												
By Whom?							lour 05/06/18					
Was a Water	course Reac		Yes [X No		If YES, Volume Impacting the Watercourse.				ļ		
If a Waterco	urse was Imp	acted, Descri	be Fully.	*		-V						
N/A												
INA												
Describe Cause of Problem and Remedial Action Taken.* 3" CONNECTION ON STORAGE FRAC TANK BROKE CAUSING WATER TO SPILL ONTO LOCATION, EAST SDE OF PAD AND INTO NORTH EAST SIDE OF PASTURE FOLLOWING COW TRAIL. GSP SITE SENT AS ATTACHMENT												
PASTURE A	REA NORT	nd Cleanup A THEAST OF I BE HAULED	PAD USI	ED VAC TRUCK	TO SU	CK UP STAN	NDING FLUID A	ND BA	СКНОЕ ТО	O SCRAPE	AREA	AND
regulations a public health should their or the enviro	If operators a or the envir operations ha nment. In ac	are required to conment. The live failed to a	report a acceptandequately CD accep	e is true and comp nd/or file certain race of a C-141 report investigate and rotance of a C-141	elease n ort by th emediat	otifications a e NMOCD m e contaminati	nd perform correct arked as "Final R on that pose a three the operator of	ctive act eport" d eat to gr responsi	ions for rele loes not reli ound water ibility for co	eases which eve the ope surface was compliance was	may en rator of iter, hur vith any	danger liability nan health
							OIL CON:	SERV	ATION	DIVISIO)N	
Signature: JA	COB MEL	ANCON										
Printed Nam	e: JACOB M	IELANCON				Approved by	Environmental S	pecialis	t:			
Title: SALE	S REP/ PUSI	HER				Approval Da	te:		Expiration 1	Date:		
E-mail Addr	ess: MELAN	CON.JACOE	З@ҮНА	оо.сом		Conditions of	f Approval:			Attached		
Date: 0:	5/08/18			Phone: 575-399-2	2727							

^{*} Attach Additional Sheets If Necessary

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

* Attach Additional Sheets If Necessary

State of New Mexico Energy Minerals and Natural Resources

Revised April 3, 2017

Submit 1 Copy to appropriate District Office in

Form C-141

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.

			Polo	osa Natifia	otion	and Co	reportivo A	ction			
Release Notification and Corrective Action											
						OPERA1			Initia	l Report	Final Report
Name of Co	ompany	Raz 0.	1 16	45		Contact	Ben 72.	me	2457		
Address Facility Nov	2703	AUC O	Eun	ce Mu.		Facility Typ			2131		
Facility Nar	ne yo	st · #=1				actify 1 yp	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
Surface Ow	ner S	tate		Mineral C	wner				API No	. 30 - 0	25 - 38/62
				LOCA	TION	OF REI	EASE				
Unit Letter	Section	Township	Range	Feet from the		South Line	Feet from the	East/V	Vest Line	County	
P	15	215	3SE	660			840			lea	County
				460						6-7	440
			Latitud	e	L	ngitude		NAD	33		
				NAT	URE	OF RELI	EASE				
Type of Rele	ase Pr	stere 1	veter			Volume of		0	Volume I	Recovered	60
Source of Re	lease 7	Tanks					lour of Occurrence	e.5.6	Date and	Hour of Disc	overy 5.7
Was Immedi	ate Notice C	iven?	(-	No □ Not R	assas a Facarrol	If YES, To	Whom?				
	-			I NO NOT K	equirea	B	F				
By Whom? Was a Water		hed?	1	3		Date and F	our dume Impacting	the Wate	ercourse		
was a water	course Reac	illed :	Yes 🗸	No.		1 125, 1	rune impacting		e100m1001		
If a Waterea	urga iyas len	pacted, Descr				<u> </u>		-			
ir a waterco	urse was mi	pacieu, Desci	noe runy.								
}			1/	A							
Describe Ca	use of Probl	em and Reme	dial Actio	n Taken.*							*11
011		N		han Ta	h	Brek	· Cans	4	wat	4 Po S	w
Describe Cause of Problem and Remedial Action Taken.* 3" Connection on Storage Tak Broke Causing water to spill and Into Pastere area Describe Area Affected and Cleanum Action Taken.*											
anto	locate	ion tas	4 h	al of	aa .	4 10	, , , , , , , , , , , , , , , , , , , ,				
Describe Area Affected and Cleanup Action Taken,* Posture area East of pad used backhor & water Truck to Scrape Bank pich up fluid mill had off and Test area											
Postre area East of pad war											
Eart	eich	up Plu		and	hau	all	and	-cn			
				e is true and com nd/or file certain							
public healt	an operators h or the envi	ronment. Th	e acceptan	ce of a C-141 rep	ort by th	e NMOCD n	narked as "Final I	Report"	does not re	lieve the ope	rator of liability
should their	operations l	nave failed to	adequately	y investigate and	remedia	te contaminat	ion that pose a th	reat to g	round wate	er, surface wa	iter, human health
				ptance of a C-141	report o	loes not relie	ve the operator of	respons	sibility for a	compliance v	ith any other
federal, state	e or local la	ws and/or reg	gulations.				OIL CON	ICEDY	LATION	DIVICIO	\AT
		1	1				OIL CON	SEK	ATION	DIAISIC	<u>DIN</u>
Signature:	the	- pull	L-	·							
Printed Nan	Jac	ab M.	Jane	m		Approved by Environmental Specialist;					
Title:	Pusto	L ,				Approval Da	ite:		Expiration	Date:	
				1 /	1						
E-mail Add	ress:	ulan c	an ·	Jacob B	con	Conditions of	of Approval:			Attached	
Date: 5	8. ZW	f	Phone	: 575-799 -2	727						

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

			Resp	onsible	Party				
Responsible Party RAZ OIL AND GAS					GRID				
Contact Name BEN THOMPSON				Co	Contact Telephone 575-399-2457				
Contact email	RAZOILAN	NDGAS@GMAIL.	СОМ	Inc	cident # (assigned by OCD)				
Contact mailin	ig address p	PO BOX 1180							
f atimala		×	Location		ease Source				
Latitude		*	(NAD 83 in dec		s to 5 decimal places)				
Site Name YO	ST#1			Sit	te Type SWD				
Date Release D	Discovered	05/06/18		AP	PI# (if applicable) 30-025-31862				
Unit Letter	Section	Township	Range		County				
D	15	215	3SE	LE	EA				
	Material	l(s) Released (Select al			ne of Release or specific justification for the volumes provided below)				
Crude Oil		Volume Release			Volume Recovered (bbls)				
X Produced V	Vater	Volume Release	ed (bbls) 250		Volume Recovered (bbls) 60				
		Is the concentrat	tion of dissolved cl >10,000 mg/l?	hloride in I	the Yes No				
Condensate	9	Volume Release			Volume Recovered (bbls)				
☐ Natural Ga	ıs	Volume Release	ed (Mcf)		Volume Recovered (Mcf)				
Other (describe) Volume/Weight Released (provide unit			Released (provide	units)	Volume/Weight Recovered (provide units)				
	TION ON S				ATER TO SPILL ONTO LOCATION, EAST SIDE OF PAD AND GPS SITE SENT AS ATTACHMENT				

State of New Mexico Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major	If YES, for what reason(s) does the respon-	sible party consider this a major release?
release as defined by 19.15.29.7(A) NMAC?	250 BARRELS WERE RELEASED FROM S EAST OF PAD	SWD HOLDING TANKS AND FLOWED INTO PASTURE AREA
☑ Yes ☐ No		
		om? When and by what means (phone, email, etc)?
TES NOTICE WAS GIV	/EN BY PHONE TO RANCHER AND OCD, I	SY JACOB MELANCON ON MAY 06,2018.
	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 serves of the rela	nea har has ataund	
The source of the rele	ease has been stopped. Is been secured to protect human health and to	he environment
		kes, absorbent pads, or other containment devices.
	ecoverable materials have been removed and	
	d above have <u>not</u> been undertaken, explain w	
B 1018 40 6 B 20 5 B	U.S. 1	
has begun, please attach	a narrative of actions to date. If remedial e	mediation immediately after discovery of a release. If remediation fforts have been successfully completed or if the release occurred ease attach all information needed for closure evaluation.
I hereby certify that the info	rmation given above is true and complete to the b	est of my knowledge and understand that pursuant to OCD rules and
public health or the environs	ment. The acceptance of a C-141 report by the O	cations and perform corrective actions for releases which may endanger CD does not relieve the operator of liability should their operations have
		t to groundwater, surface water, human health or the environment. In esponsibility for compliance with any other federal, state, or local laws
and/or regulations.	The state of the s	copolisionly for compliance with any cure recording state, or focal tarks
Printed Name: JACO	B MELANCON	Title: SALES REP/PUSHER
Signature:		Date: 07/16/19
email: melancon.jaocb	@yanoo.com	Telephone:575-399-2727
		×
OCD Only		
Received by:		Date:

State of New Mexico Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

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?	☐ Yes ☐ No					
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?						
Are the lateral extents of the release within a 100-year floodplain?						
Did the release impact areas not 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 vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.						
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	ls.					
☐ 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						
	,					

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.

State of New Mexico Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

regulations all operators are required to report and/or file certain release notifications all operators are required to report and/or file certain release notification to the environment. The acceptance of a C-141 report by the Called to adequately investigate and remediate contamination that pose a thre addition, OCD acceptance of a C-141 report does not relieve the operator of and/or regulations.	Tications and perform corrective actions for releases which may endanger CD does not relieve the operator of liability should their operations have at to groundwater, surface water, human health or the environment. In
Printed Name: CACOB MELACON	Title: SALES REP/PUSHER
Signature:	Date:07/16/19
email: melancon.jacob@yahoo.com	Telephone:575-399-2727
OCD Only	
Received by:	Date:

State of New Mexico Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: Each of the following items must be included in the plan.
 ☑ Detailed description of proposed remediation technique ☑ Scaled sitemap with GPS coordinates showing delineation points ☑ Estimated volume of material to be remediated ☑ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC ☑ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)
Deferral Requests Only: Each of the following items must be confirmed as part of any request for deferral of remediation.
Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
Extents of contamination must be fully delineated.
Contamination does not cause an imminent risk to human health, the environment, or groundwater.
I however contifu that the information given charge is two and complete to the hart of any knowledge and varianteed that appropriate OCD
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.
Printed Name: JACOB MELACON Title: SALES REP/PUSHER
Signature: Date:
email: melancon.jacob@yahoo.com Telephone; 575-399-2727
OCD Only
Received by: Date:
Approved Approved with Attached Conditions of Approval Denied Deferral Approved
Signature: Date:

State of New Mexico Oil Conservation Division

Closure Report Attachment Checklist: Each of the following items must be included in the closure report.

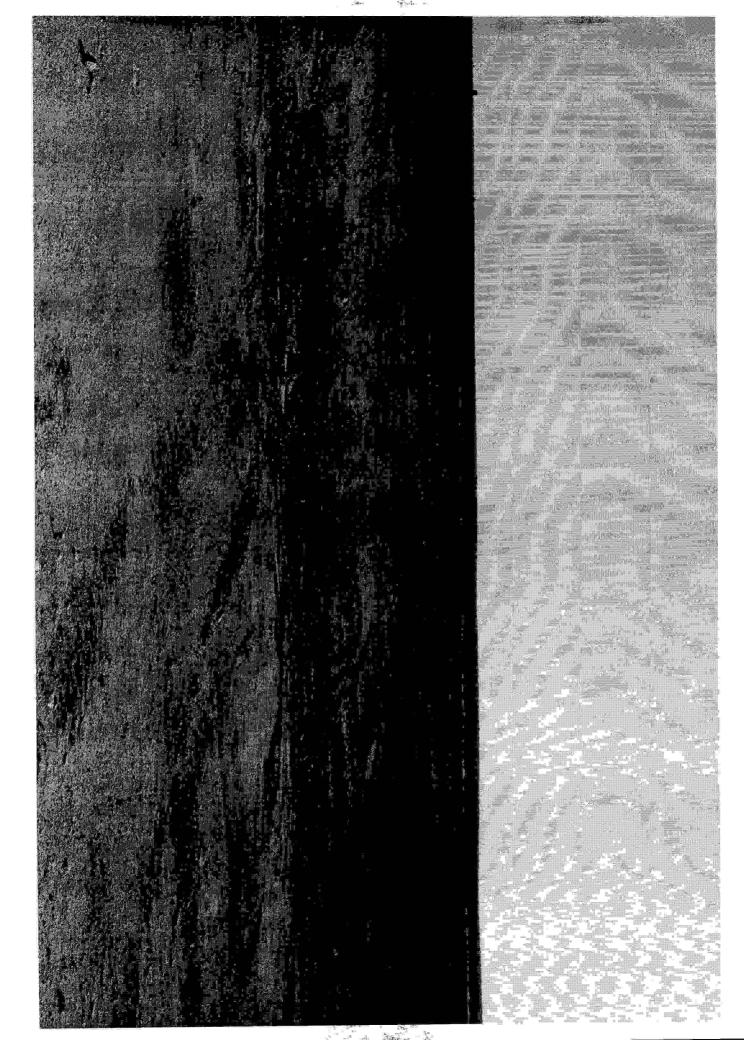
Incident ID	
District RP	
Facility ID	
Application ID	

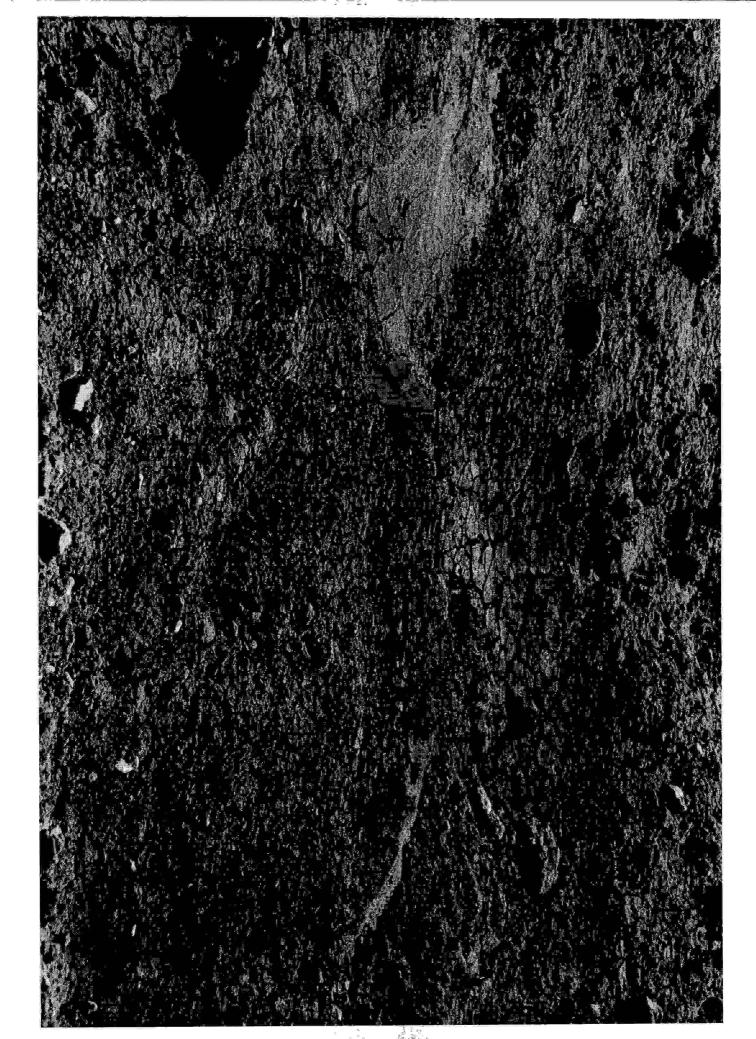
Closure

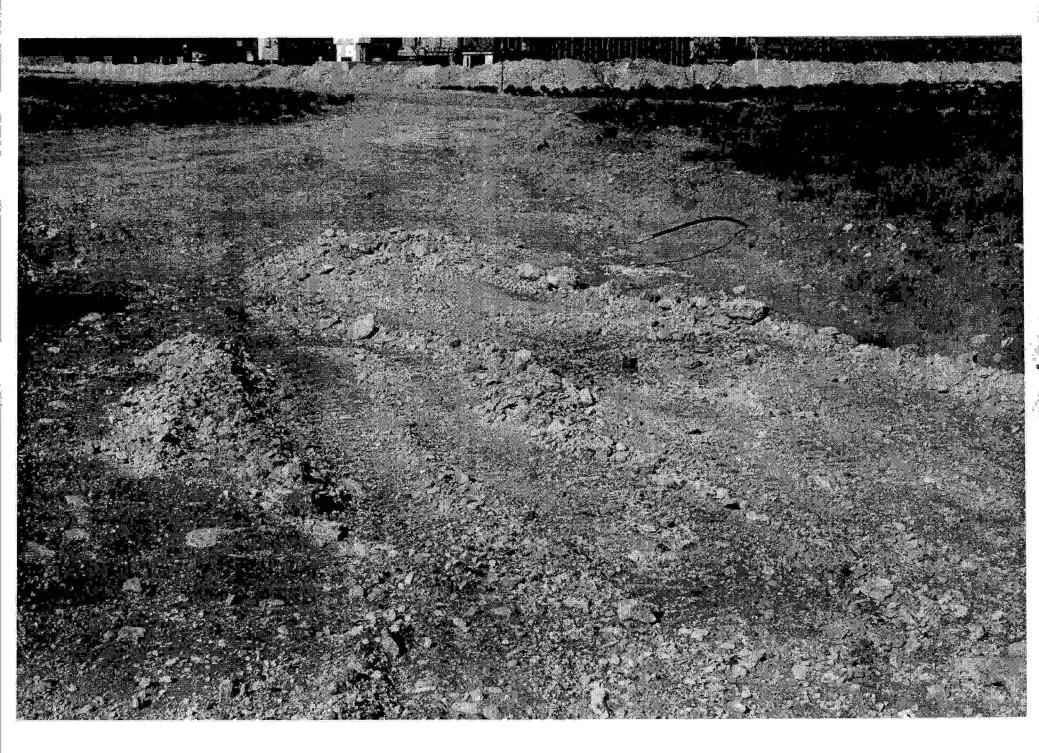
The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled 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.

★ A scaled site and sampling diagram as described in 19.15.29.11 NMAC	l
Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)	
■ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)	ĺ
▼ Description of remediation activities	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete. Printed Name: DACOB MELANCON Title: SALES REP/PUSHER Signature: Date: 07/16/19 Telephone: 575-399-2727	
OCD Only	
Received by: Date:	
Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.	
Closure Approved by: Date:	
Printed Name: Title:	

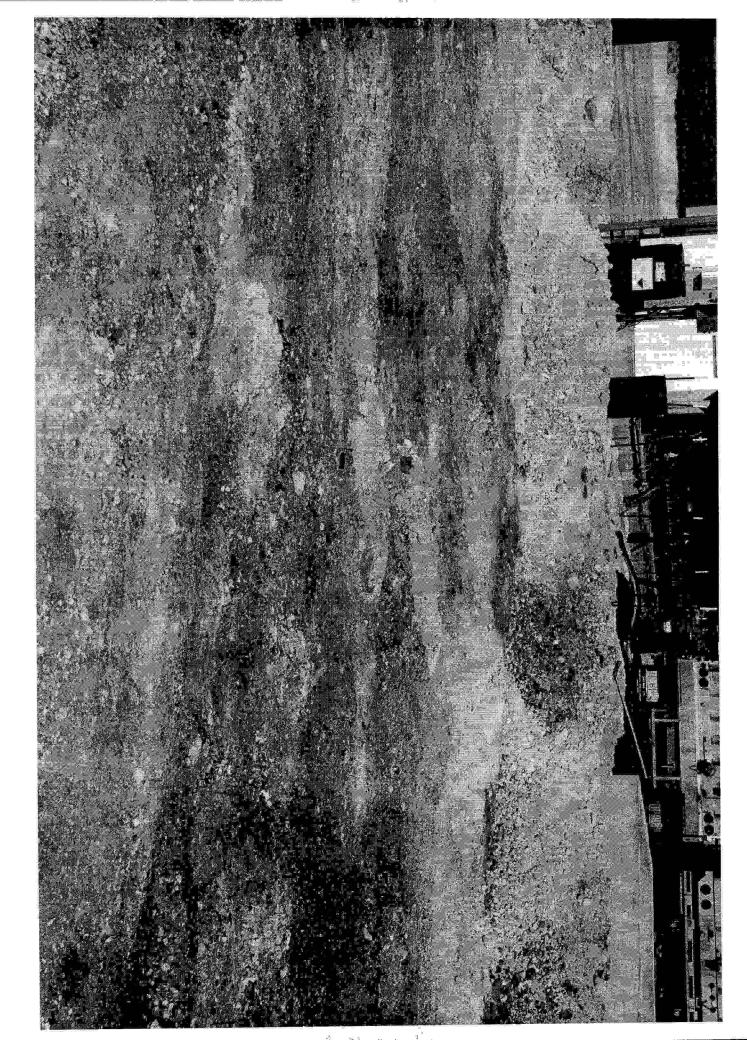
RAZ OIL AND GAS L.L.C.
YO STATE SWD WELL #001
660' FNL & 840' FWL
UNIT D. SEC.15-T21S-R35E
LEA COUNTY, NEW MEXICO
API #30-925-38162

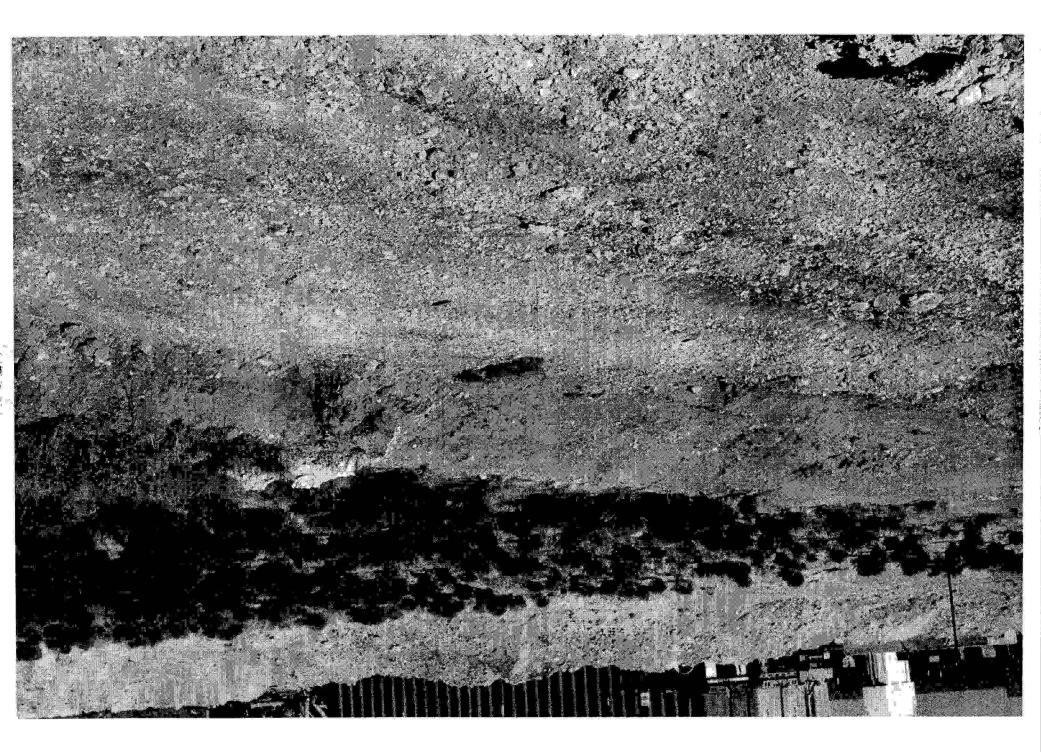


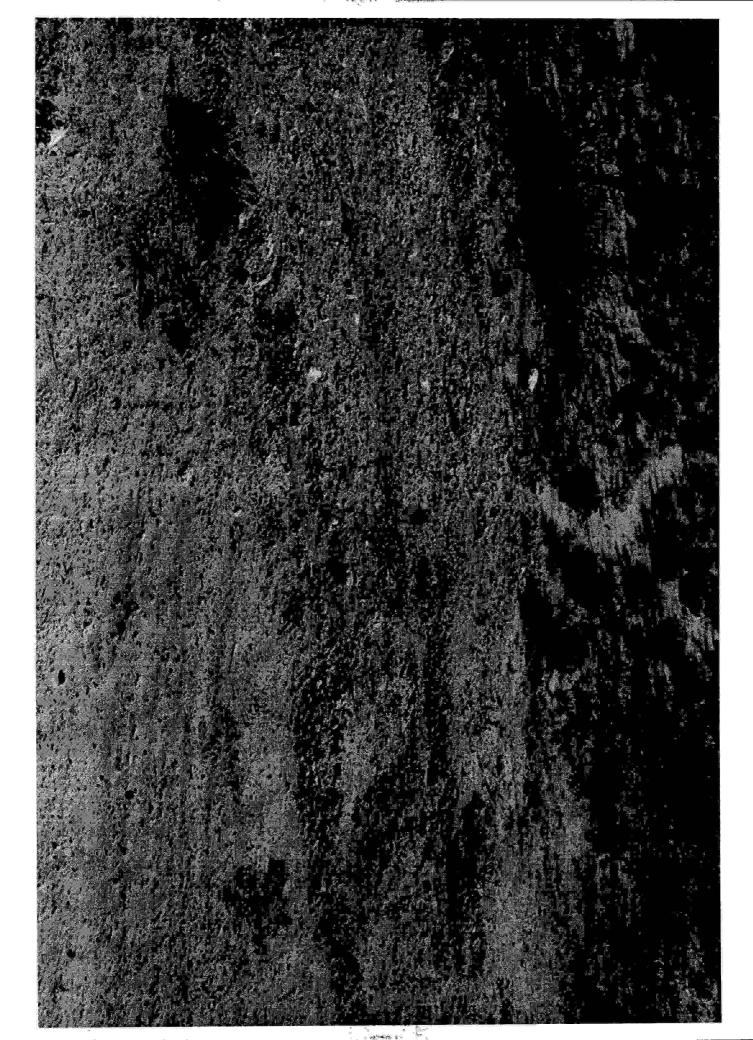


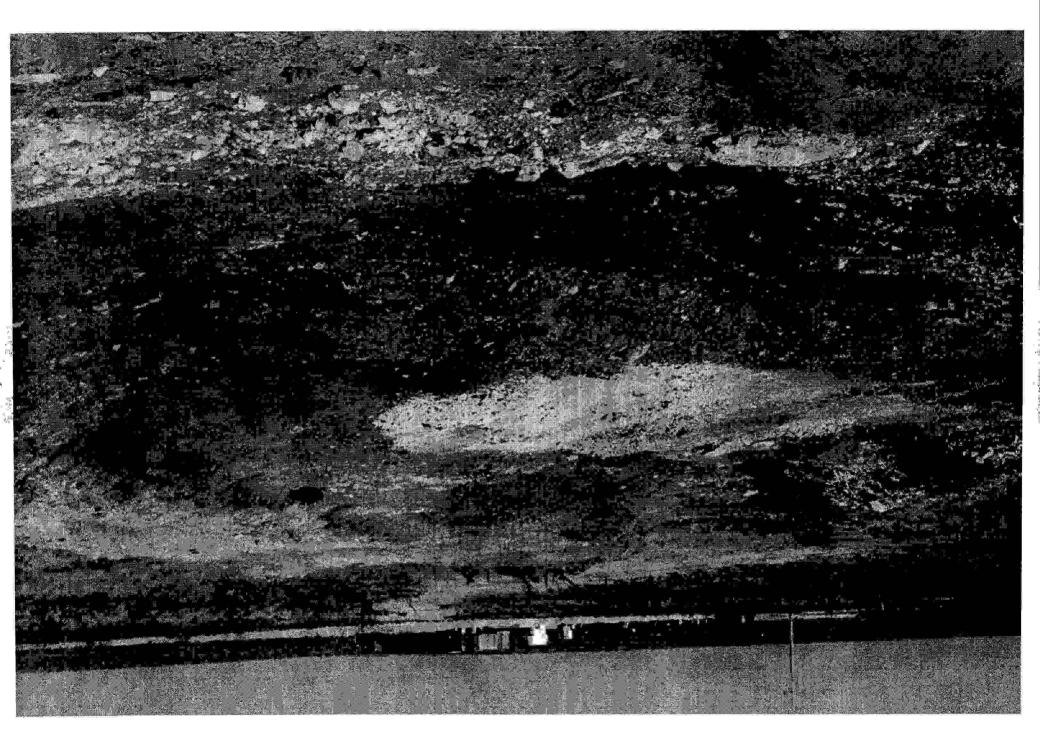


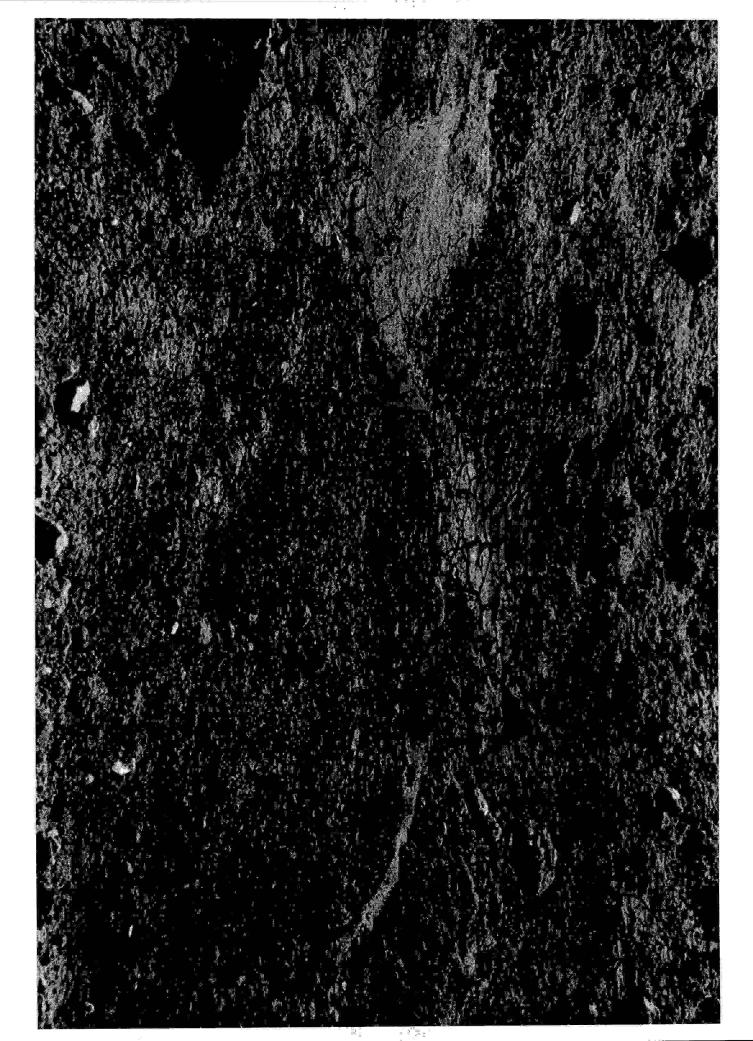




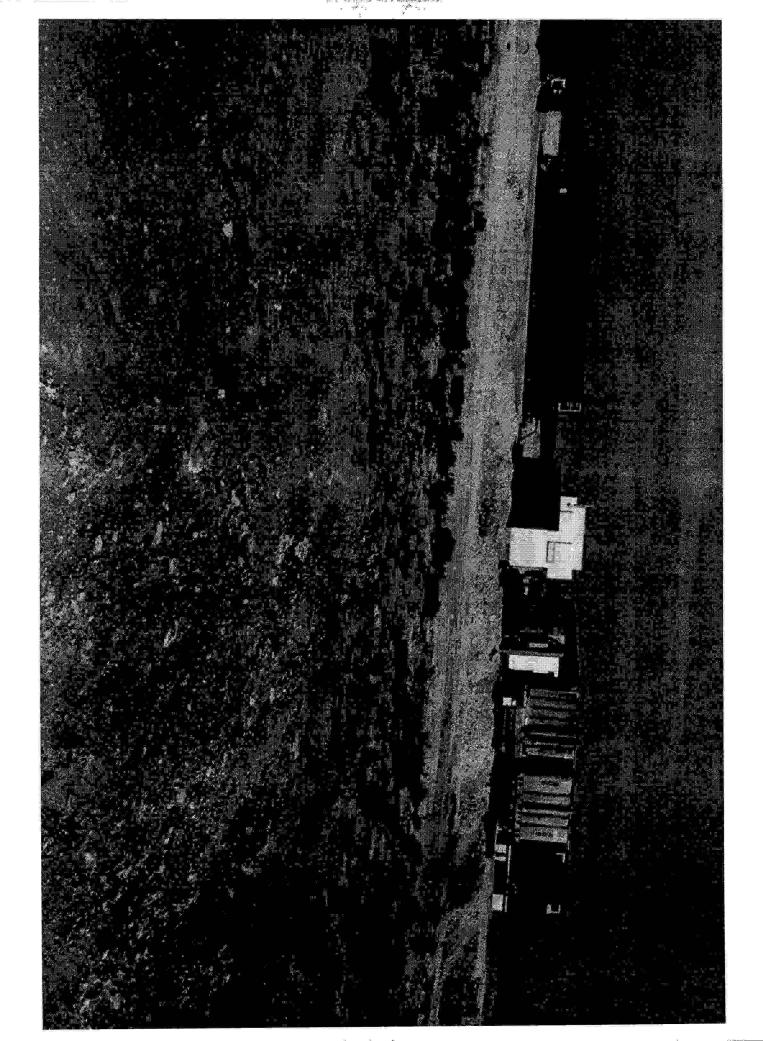














CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

	(575) 393-2326 FAX																						
Company Name	100-		FAS		1.60	2			81	LL 7.0						ANA	LYSIS	REC	QUES	ST			
Project Manage	TO BEN The	on Pson					P.O.	#:															
Address:	0 Box 1/8	0					Con	npan	y: /	laz Di	1 totas					1]						
city: En	NICE	State: NM	Zip:	88	1231		Attn	: 5	Z,,)										Ì			
Phone #: 5	75-394-1046	Fax #: 575	-35	94	-104		Add	ress	: <i>/</i> .	0 3.	p 1180				1		1						
Project #: Yo	STATE #1	Project Owner: #/ といり	B	ورع	there	رء	City	: 1	رائي	11/00							1 1		l		1	ľ	
Project Name:	Vo STATE.	#1501	R	de	as c		Stat	e: /	Vm	Zip: 88	231					1					Ī	Ì	
Project Locatio		PASTURE								75-399			ļ.							1			
Sampler Name:		A								5-391													
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Lab I.D.	Sample I.I	D.	e i	Š	TAN	50	. (SE SE	6			170						1			1		
			B E	IS	JE	DG	ER	000	ER		-	3	6									1	
			(G)RAB OR (C)C # CONTAINERS	GROUNDWATER	WASTEWATER	OIL	OTHER:	ACID/BASE	отнек	DATE	TIME	1		ν.									
	SP1 24'		1		V			v		6-24-19	10:00	V	1	V		1		Ť					
	PZC 4'							I		ı	10:10	1	1	1		1							
	SP3041		П								10:20			17									
	SP40 4'			T							10:30												
	RS @ 4'							1		J	10:40	J	1										
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BI FARE MOTE MANUEL	A Secretary of the second second																						
analyses. All claims includi	nd Damages, Cardinal's liability and clien ng those for negligence and any other ca	use whatsoever shall be de	emed wa	ived uni	less made in	writing and	receive	d by Ca	irdinal v	vithin 30 days att	r completion of th	e applica	ble										
affiliates or successors aris	ardinal be liable for incidental or consequ ing out of or related to the performance o	f services hereunder by Car																					
Relinquished B	y: //	Date:	Rece	ived	В у:				11	',/	Phone Res				No No		Phone : Fax #:	#2					
1920	Wan	Date: 4-24-19 Time: 13:50		3	ונומ	ara	· A	///	In	W wn	REMARKS	5:					-						
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	720 1 4	.aug.		-							-		3	1	how	/S 2-	ノ						,
Delivered By	: (Circle One)			- 1	Sample Cool I	ntact	- 4	CF	lECK (Init	ED BY: lais)	₽	75~			- 711								
Sampler - UPS	- Bus - Other:	5.3 £ t	£9-	7	Yes No	Yes No		73	<u>ે</u>														

FIELD MEASUREMENT/OBSERVATION LOG

		····	<u> </u>						
ime Temp. Nisc	T CHS	dS	Λίρ	desn'A	əmiT	Span Gas	Fresh Air		əmiT
WEATHER			/		NOITA	PID CALIBR			
	= 0	×	OZH 1m 03	lios lo amg 2				T	
	= :07	x	OSH Im 04	lios to amg S				1	
	= 08	×	40 ml H2O	lios to 2mg 5					
	= 0i	. x	40 ml H2O	fioe To emg S			-	1	
	= 07	X	OEH Im 04	tios to emg S	l			 	
	= 00	x	O5H Im 04	lios lo smg S					
	= 07	x	40 ml H2O	lios to aring S				 	-
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	050/= 0	× 75	40 ml H2O	lios To emg S		1,1 %		-45	
	209/= 00	* 08	O2H Im 04	lios lo smg S		-015		-4/4	
	-001/7 = 00	× PCI	40 ml H2O	lios lo smg S		2061		-4/2	1,
	Q5 = 00	× 7,	40 ml H2O	lioz lo amg 2		UV		41	
	as = 00	1 " "	40 ml H2O	lioz To 2mg S		Cu		-40	100
	19/ = 00	* S	40 ml H2O	lios lo smg S		711		4/2	
	05 C = 08	x Z	40 ml H2O	lioz po zmg S		\$91		40	C1
· · · · · · · · · · · · · · · · · · ·	091 = 00	× 8	OEH Im 02	lios to emg S		OV		49	
	016 = 0		40 ml H2O	lios to amg S		MS		41,	
	096 = 00	× 14	40 ml H2O	lios lo emg S		918		1/2	
	2021 = 00		OZH Im Ob	lios lo smg 5		10171		ye	Te
SOIL DESCRIPTION	mg/Kg	noiteniT sduT Reading			PID READING (PPM)	לצניטל	COLLECTION TIME	(гл) нтээс	/WELE ID
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February 13, 2019

BEN THOMPSON

RAZ OIL & GAS

P. O. BOX 1180

EUNICE, NM 88231

RE: RAZ CLEAN UP

Enclosed are the results of analyses for samples received by the laboratory on 02/07/19 15:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab-accred-certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2

Haloacetic Acids (HAA-5)

Method EPA 524.2

Total Trihalomethanes (TTHM)

Method EPA 524.4

Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celey D. Keine

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



RAZ OIL & GAS BEN THOMPSON P. O. BOX 1180 EUNICE NM, 88231 Fax To: NONE GIVEN

Received:

02/07/2019

Reported:

02/13/2019

Project Name:

RAZ CLEAN UP

Project Number:

101

Project Location:

YO STATE #1

Sampling Date:

02/06/2019

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Tamara Oldaker

Sample ID: SP 1 6' (H900488-01)

BTEX 8021B	mg/	kg	Analyze	d By: ms	- 0				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/11/2019	ND	2.28	114	2.00	2.27	
Toluene*	<0.050	0.050	02/11/2019	ND	2.17	109	2.00	1.35	
Ethylbenzene*	<0.050	ò.050	02/11/2019	ND	2.12	106	2.00	2.14	
Total Xylenes*	<0.150	0.150	02/11/2019	ND	6.41	107	6.00	2.05	
Total BTEX	<0.300	0.300	02/11/2019	ND					
Surrogate: 4-Bromofluorobenzene (PIL	99.6	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	02/12/2019	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRÖ C6-C10*	<10.0	10.0	02/09/2019	ND	190	94.9	200	3.86	
DRO >C10-C28*	<10.0	10.0	02/09/2019	ND	198	99.1	200	5.81	
EXT DRO >C28-C36	<10.0	10.0	02/09/2019	ND		or .			
Surrogate: 1-Chlorooctane	78.1	% 41-14	?						
Surrogate: 1-Chlorooctadecane	81.8	% 37.6-14	17						

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Celly D. Kune



RAZ OIL & GAS **BEN THOMPSON** P. O. BOX 1180 **EUNICE NM, 88231** NONE GIVEN Fax To:

Received:

02/07/2019

Reported:

02/13/2019

Project Name: Project Number: RAZ CLEAN UP 101 YO STATE #1

Project Location:

Sampling Date:

02/06/2019

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Tamara Oldaker

Sample ID: SP 2 3' (H900488-02)

BTEX 80218	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/11/2019	ND	2.28	114	2.00	2.27	
Toluene*	<0.050	0.050	02/11/2019	ND	2,17	109	2.00	1.35	
Ethylbenzene*	<0.050	0.050	02/11/2019	ND	2.12	106	2.00	2.14	
Total Xylenes*	<0.150	0.150	02/11/2019,	ND	6.41	107	6.00	2.05	
Total BTEX	<0.300	0.300	02/11/2019	ND					
Surrogate: 4-Bromofluorobenzene (PIL	100	% 73.3-12	9						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Anatyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	02/12/2019	ND	416	104	400	3.77	
TPH 8015M	mg,	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/09/2019	ND	190	94.9	200	3.86	
DRO >C10-C28*	<10.0	10.0	02/09/2019	ND	198	99.1	200	5.81	
EXT DRO >C28-C36	<10.0	10.0	02/09/2019	ND					
Surrogate: 1-Chlorooctane	75.3	% 41-142	2						
Surrogate: 1-Chlorooctadecane	79.4	% 37.6-14	17						

Cardinal Laboratories

*=Accredited Analyte

Celley & Keine



RAZ OIL & GAS . BEN THOMPSON P. O. BOX 1180 **EUNICE NM, 88231** Fax To: NONE GIVEN

Received:

02/07/2019

Reported:

02/13/2019

Project Name:

RAZ CLEAN UP

Project Number:

Project Location:

YO STATE #1

Sampling Date:

02/06/2019

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Tamara Oldaker

Sample ID: SP 3 3' (H900488-03)

BTEX 8021B	mg/	ikg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/11/2019	ND	2.28	114	2,00	2.27	
Toluene*	<0.050	0.050	02/11/2019	ND	2.17	109	2.00	1.35	
Ethylbenzene*	<0.050	0.050	02/11/2019	ND	2.12	106	2.00	2.14	
Total Xylenes*	<0.150	0.150	02/11/2019	ND	6.41	107	6.00	2.05	
Total BTEX	<0.300	0.300	02/11/2019	ND					
Surrogate: 4-Bromofluorobenzene (PIL	100	% 73.3-12	9 .						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC		_			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	02/12/2019	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Anaiyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/09/2019	ND	190	94.9	200	3.86	
DRO >C10-C28* -	<10.0	10.0	02/09/2019	ND	198	99.1	200	5.81	
EXT DRO >C28-C36	<10.0	10.0	02/09/2019	ND					
Surrogate: 1-Chlorooctane	74.9	% 41-142							
Surrogate: 1-Chlorooctadecane	77.5	% 37.6-14	7						

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Celleg & Kin



RAZ OIL & GAS
BEN THOMPSON
P. O. BOX 1180
EUNICE NM, 88231
Fax To: NONE GIVEN

Received:

02/07/2019

Reported:

02/13/2019

Project Name: Project Number: RAZ CLEAN UP 101

Project Location:

YO STATE #1

Sampling Date:

02/06/2019

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Tamara Oldaker

Sample ID: SP 4 6' (H900488-04)

BTEX 8021B	mg/	kg	Analyze	l By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/11/2019	ND	2.28	114	2.00	2.27	
Toluene*	<0.050	0.050	02/11/2019	ND	2.17	109	2,00	1.35	
Ethylbenzene*	<0.050	0.050	02/11/2019	ND	2.12	106	2.00	2.14	
Total Xylenes*	<0.150	0.150	02/11/2019	ND	6.41	107	6.00	2.05	
Total BTEX	<0.300	0.300	02/11/2019	ND					
Surrogate: 4-Bromofluorobenzene (PIL	98.7	% 73.3-12	19						
Chloride, SM4500Cl-B	mg,	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	02/12/2019	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	i By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/09/2019	ND	190	94.9	200	3.86	
DRO >C10-C28*	<10.0	10.0	02/09/2019	ND	198	99.1	200	5.81	
EXT DRO >C28-C36	<10.0	10.0	02/09/2019	ND					
Surrogate: 1-Chlorooctane	76.1	% 41-142	2						
Surrogate: 1-Chlorooctadecane	77.6	% 37.6-14	17						

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Celey D. Kune



Notes and Definitions

QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch

accepted based on LCS and/or LCSD recovery and/or RPD values,

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS

recovery.

NO Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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Celeg D. Keine



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Mariand, Hobbs, NM 68240 (575) 393-2326 FAX (575) 393-2476

Company Name: RAZ OF + Gas											LL 10		Ş				ANA	LYSK	S RE	QUE	ST		
Project Manager								P.C). 棋:		1176					T T							
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FOR LAB USE ONLY			62	-		MAT	RIX	\vdash	PRE	SERV	SAMPL	ING		l		l	0						
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