

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, 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  
Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

OIL CONS. DIV DIST. 3

FEB 02 2018

Form C-141  
Revised August 8, 2011

Submit 1 Copy to appropriate District Office to  
accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company <b>Hilcorp Energy Company</b>	Contact <b>Lindsay Dumas</b>
Address <b>1111 Travis St. Houston, TX 77002</b>	Telephone No. <b>(281)794-9159</b>
Facility Name: <b>SJ 30-6 #459</b>	Facility Type: <b>Gas</b>
Surface Owner <b>Federal</b>	Mineral Owner <b>Federal</b>
API No. <b>3003924289</b>	

LOCATION OF RELEASE

Unit Letter <b>L</b>	Section <b>20</b>	Township <b>30N</b>	Range <b>06W</b>	Feet from the <b>1490</b>	North/South Line <b>South</b>	Feet from the <b>1188</b>	East/West Line <b>West</b>	County <b>Rio Arriba</b>
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Latitude **36.7949753** Longitude **-107.4912415**

NATURE OF RELEASE

Type of Release <b>Gas</b>	Volume of Release <b>Unknown</b>	Volume Recovered <b>None</b>
Source of Release <b>buried piping from separator</b>	Date and Hour of Occurrence <b>12/5/2017 11:00am</b>	Date and Hour of Discovery <b>12/5/2017 11:00am</b>
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? <b>Vanessa Fields, NMOCD and Whitney Thomas, BLM-FFO</b>	
By Whom? <b>Lisa Hunter</b>	Date and Hour <b>left voicemail @ 2:50pm 12/6/17 and email @ 2:52pm 12/6/17</b>	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. <b>N/A</b>	
If a Watercourse was Impacted, Describe Fully.* <b>N/A</b>		

Describe Cause of Problem and Remedial Action Taken.\*

The release of an unknown volume of gas ignited and caused a small flash fire in the insulation on the separator while the Operator started the pumping unit and compressor. The fire was extinguished immediately and the well was shut in. Hilcorp investigated the source of the leak and found a leak in a buried line below the separator.

Describe Area Affected and Cleanup Action Taken.\*

HEC trenched the line to make the repair, no stained soil was encountered during the process. A sample of soil was gathered for further testing. **Analytics attached, no further action required.**

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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.

Signature: <i>Lindsay Dumas</i>	OIL CONSERVATION DIVISION	
Printed Name: <b>Lindsay Dumas</b>	Approved by Environmental Specialist: <i>[Signature]</i>	
Title: <b>Environmental Specialist</b>	Approval Date: <b>2/27/18</b>	Expiration Date: <b>[Signature]</b>
E-mail Address: <b>Ldumas@hilcorp.com</b>	Conditions of Approval: <b>—</b>	Attached <input type="checkbox"/> <b>—</b>
Date: <b>12/19/2017</b>	Phone: <b>(281)794-9159</b>	

\* Attach Additional Sheets If Necessary

#NUF 1734229687

8



Hall Environmental Analysis Laboratory  
4901 Hawkins NE  
Albuquerque, NM 87109  
TEL: 505-345-3975 FAX: 505-345-4107  
Website: [www.hallenvironmental.com](http://www.hallenvironmental.com)

December 18, 2017

Lindsay Duman  
HILCORP ENERGY  
9A Road 5793  
Farmington, NM 87401  
TEL: (281) 794-9159  
FAX

RE: SJ 30-6 459

OrderNo.: 1712638

Dear Lindsay Duman:

Hall Environmental Analysis Laboratory received 1 sample(s) on 12/12/2017 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to [www.hallenvironmental.com](http://www.hallenvironmental.com) or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a horizontal line.

Andy Freeman  
Laboratory Manager  
4901 Hawkins NE  
Albuquerque, NM 87109



## Analytical Report

Lab Order 1712638

Date Reported: 12/18/2017

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: HILCORP ENERGY

Client Sample ID: SJ 30-6 459

Project: SJ 30-6 459

Collection Date: 12/8/2017 2:25:00 PM

Lab ID: 1712638-001

Matrix: SOIL

Received Date: 12/12/2017 7:10:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: TOM
Diesel Range Organics (DRO)	100	9.2		mg/Kg	1	12/15/2017 12:48:23 PM
Motor Oil Range Organics (MRO)	160	46		mg/Kg	1	12/15/2017 12:48:23 PM
Surr: DNOP	78.0	70-130		%Rec	1	12/15/2017 12:48:23 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: NSB
Gasoline Range Organics (GRO)	5.9	4.7		mg/Kg	1	12/13/2017 9:38:28 PM
Surr: BFB	86.8	15-316		%Rec	1	12/13/2017 9:38:28 PM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: NSB
Methyl tert-butyl ether (MTBE)	ND	0.095		mg/Kg	1	12/13/2017 9:38:28 PM
Benzene	0.11	0.024		mg/Kg	1	12/13/2017 9:38:28 PM
Toluene	0.34	0.047		mg/Kg	1	12/13/2017 9:38:28 PM
Ethylbenzene	ND	0.047		mg/Kg	1	12/13/2017 9:38:28 PM
Xylenes, Total	0.38	0.095		mg/Kg	1	12/13/2017 9:38:28 PM
Surr: 4-Bromofluorobenzene	100	80-120		%Rec	1	12/13/2017 9:38:28 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1712638

18-Dec-17

Client: HILCORP ENERGY

Project: SJ 30-6 459

Sample ID	LCS-35492		SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID:	LCSS		Batch ID: 35492		RunNo: 47770					
Prep Date:	12/13/2017		Analysis Date: 12/14/2017		SeqNo: 1528786		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	10	50.00	0	96.4	73.2	114			
Surr: DNOP	4.5		5.000		90.0	70	130			

Sample ID	MB-35492		SampType: MBLK		TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID:	PBS		Batch ID: 35492		RunNo: 47770					
Prep Date:	12/13/2017		Analysis Date: 12/14/2017		SeqNo: 1528787		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	10		10.00		99.7	70	130			

## Qualifiers:

* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix	E Value above quantitation range
H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit	P Sample pH Not In Range
PQL Practical Quantitative Limit	RL Reporting Detection Limit
S % Recovery outside of range due to dilution or matrix	W Sample container temperature is out of limit as specified

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1712638

18-Dec-17

Client: HILCORP ENERGY

Project: SJ 30-6 459

Sample ID	MB-35455	SampType:	MBLK	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	PBS	Batch ID:	35455	RunNo:	47743					
Prep Date:	12/12/2017	Analysis Date:	12/13/2017	SeqNo:	1526938	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	890		1000		89.1	15	316			

Sample ID	LCS-35455	SampType:	LCS	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	LCSS	Batch ID:	35455	RunNo:	47743					
Prep Date:	12/12/2017	Analysis Date:	12/13/2017	SeqNo:	1526939	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	5.0	25.00	0	110	75.9	131			
Surr: BFB	1000		1000		101	15	316			

## Qualifiers:

* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix	E Value above quantitation range
H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit	P Sample pH Not In Range
PQL Practical Quantitative Limit	RL Reporting Detection Limit
S % Recovery outside of range due to dilution or matrix	W Sample container temperature is out of limit as specified

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1712638

18-Dec-17

Client: HILCORP ENERGY

Project: SJ 30-6 459

Sample ID	MB-35455	SampType:	MBLK	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	PBS	Batch ID:	35455	RunNo:	47743					
Prep Date:	12/12/2017	Analysis Date:	12/13/2017	SeqNo:	1526967	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	ND	0.10								
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.1		1.000		107	80	120			

Sample ID	LCS-35455	SampType:	LCS	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	LCSS	Batch ID:	35455	RunNo:	47743					
Prep Date:	12/12/2017	Analysis Date:	12/13/2017	SeqNo:	1526968	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	0.92	0.10	1.000	0	91.5	70.1	121			
Benzene	0.93	0.025	1.000	0	93.1	77.3	128			
Toluene	0.95	0.050	1.000	0	95.4	79.2	125			
Ethylbenzene	0.94	0.050	1.000	0	94.3	80.7	127			
Xylenes, Total	2.9	0.10	3.000	0	95.9	81.6	129			
Surr: 4-Bromofluorobenzene	1.1		1.000		114	80	120			

## Qualifiers:

* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix	E Value above quantitation range
H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit	P Sample pH Not In Range
PQL Practical Quantitative Limit	RL Reporting Detection Limit
S % Recovery outside of range due to dilution or matrix	W Sample container temperature is out of limit as specified





Hall Environmental Analysis Laboratory  
4901 Hawkins NE  
Albuquerque, NM 87109  
TEL: 505-345-3975 FAX: 505-345-4107  
Website: www.hallenvironmental.com

## Sample Log-In Check List

Client Name: HILCORP ENERGY FAR

Work Order Number: 1712638

RcptNo: 1

Received By: Anne Thorne 12/12/2017 7:10:00 AM

Completed By: Sophia Campuzano 12/12/2017 9:37:27 AM

Reviewed By: ENM 12/12/17

*Anne Thorne*

*Sophia Campuzano*

### Chain of Custody

1. Custody seals intact on sample bottles? Yes ☐ No ☐ Not Present ☒
2. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
3. How was the sample delivered? Courier

### Log In

4. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
5. Were all samples received at a temperature of  $>0^{\circ}\text{C}$  to  $6.0^{\circ}\text{C}$ ? Yes ☒ No ☐ NA ☐
6. Sample(s) in proper container(s)? Yes ☒ No ☐
7. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
8. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
9. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
10. VOA vials have zero headspace? Yes ☐ No ☐ No VOA Vials ☒
11. Were any sample containers received broken? Yes ☐ No ☒
12. Does paperwork match bottle labels?  
(Note discrepancies on chain of custody) Yes ☒ No ☐
13. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
14. Is it clear what analyses were requested? Yes ☒ No ☐
15. Were all holding times able to be met?  
(If no, notify customer for authorization.) Yes ☒ No ☐
- # of preserved bottles checked for pH: \_\_\_\_\_  
( $<2$  or  $>12$  unless noted)  
Adjusted? \_\_\_\_\_  
Checked by: \_\_\_\_\_

### Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified: \_\_\_\_\_ Date: \_\_\_\_\_  
By Whom: \_\_\_\_\_ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person  
Regarding: \_\_\_\_\_  
Client Instructions: \_\_\_\_\_

17. Additional remarks:

### 18. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.0	Good	Yes			

**Client:** Hilcorp Energy Company

Turn-Around Time:

☒ Standard ☐ Rush

Project Name:

Mailing Address:

SJ 30-6 459

9A Road 5793, Farmington, NM 87401

Project #:

Phone #: 1-281-794-9159

email or Fax#: [ldumas@hilcorp.com](mailto:ldumas@hilcorp.com)

Project Manager:

**QA/QC Package:**

**Lindsay Duman**

☐ Standard ☐ Level 4 (Full Validation)

**Accreditation:**

Sampler: FaSho Trujillo

☐ NELAP      ☐ Other

On Ice: ☒ Yes ☐ No

☐ EDD (Type)

Sample Temperature: 1.0

[illegible]

Date:  
12/11/17

Time: 1:23

Relinquished by:

Received by:

Date	Time
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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466
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Date: \_\_\_\_\_

Time:

Relinquished by:

Received by:

Date	Time
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