

Submit 1 Copy To Appropriate District Office  
 District I - (575) 393-6161  
 1625 N. French Dr., Hobbs, NM 88240  
 District II - (575) 748-1283  
 811 S. First St., Artesia, NM 88210  
 District III - (505) 334-6178  
 1000 Rio Brazos Rd., Aztec, NM 87410  
 District IV - (505) 476-3460  
 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
 Energy, Minerals and Natural Resources

Form C-103  
 Revised July 18, 2013

OIL CONSERVATION DIVISION  
 1220 South St. Francis Dr.  
 Santa Fe, NM 87505

WELL API NO. 30-043-20742
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No. NMNM-44453
7. Lease Name or Unit Agreement Name San Isidro 6
8. Well Number #16
9. OGRID Number 151323
10. Pool name or Wildcat Rio Puerco
11. Elevation (Show whether DR, RKB, RT, GR, etc.) KB: 7,104', GR: 7,091'

OIL CONS. DIV DIST. 3  
 MAR 27 2017

**SUNDRY NOTICES AND REPORTS ON WELLS**  
 (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well  Gas Well  Other

2. Name of Operator  
Pride Energy Company

3. Address of Operator  
P.O. Box 701950, Tulsa, OK 74170

4. Well Location  
 Unit Letter P: 660 feet from the South line and 660 feet from the East line  
 Section: 6 Township: 20N Range: 2W NMPM County: Sandoval

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

<b>NOTICE OF INTENTION TO:</b>		<b>SUBSEQUENT REPORT OF:</b>	
PERFORM REMEDIAL WORK <input checked="" type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input checked="" type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	P AND A <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPL <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>	
DOWNHOLE COMMINGLE <input type="checkbox"/>			
CLOSED-LOOP SYSTEM <input type="checkbox"/>			
OTHER: <input type="checkbox"/>		OTHER: <input type="checkbox"/>	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Pride Energy Company has completed the approved San Isidro #6-16 land farm remediation plan which was made in accordance with OCD Rule 19.15.7.11, and the San Isidro #6-16 land farm has reached the required closure limits of 1,000 mg/kg Total Petroleum Hydrocarbons (TPH) 50 mg/kg total BTEX and 10 mg/kg Benzene. Please find attached Hall Environmental Analysis Laboratory's land farm soil analysis report (report dated 2/10/2017) and the subsurface analysis report (report dated 3/10/2017).

Spud Date:

Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

By: Matthew L. Pride, General Partner  
 By: Pride Production Co., Inc. Title: President DATE 3/20/2017

SIGNATURE Matthew L. Pride TITLE mattp@pride-energy.com DATE (918) 524-9200

Type or print name Matthew L. Pride E-mail address: mattp@pride-energy.com PHONE: (918) 524-9200

**For State Use Only**

APPROVED BY: [Signature] TITLE Environmental Spec DATE 3/30/17

Conditions of Approval (if any):

## Kelley Mason

---

**From:** Smith, Cory, EMNRD <Cory.Smith@state.nm.us>  
**Sent:** Wednesday, March 22, 2017 4:24 PM  
**To:** Kelley Mason  
**Cc:** Matt Pride; Fields, Vanessa, EMNRD; 'lvargo@blm.gov'  
**Subject:** RE: Pride Energy | San Isidro #6-16 Land Farm | Sandoval County, NM

Kelley,

OCD approved Prides request for alternative closure standards, please include this approval with your C-103 packet. Pride may now proceed to spread/distribute the remaining onsite soils across the location or as required by the surface owners(BLM) within a timely manner.

If you have any additional questions please give me a call.

Cory Smith  
Environmental Specialist  
Oil Conservation Division  
Energy, Minerals, & Natural Resources  
1000 Rio Brazos, Aztec, NM 87410  
(505)334-6178 ext 115  
[cory.smith@state.nm.us](mailto:cory.smith@state.nm.us)

**OIL CONS. DIV DIST. 3**

**MAR 27 2017**

**From:** Kelley Mason [mailto:kelleym@pride-energy.com]  
**Sent:** Wednesday, March 22, 2017 2:31 PM  
**To:** Smith, Cory, EMNRD <Cory.Smith@state.nm.us>  
**Cc:** Matt Pride <mattp@pride-energy.com>; Fields, Vanessa, EMNRD <Vanessa.Fields@state.nm.us>; 'lvargo@blm.gov' <lvargo@blm.gov>  
**Subject:** RE: Pride Energy | San Isidro #6-16 Land Farm | Sandoval County, NM

Good afternoon, Cory,

As we discussed on the phone today, the San Isidro #6-16 Land Farm vadose zone soil sample did show hints of Motor Oil Range Organics (MRO). However, Pride Energy requests for a variance on the land farm's closure limits due to low levels of mobility of MRO's. Pursuant to Pride Energy's efforts to address this situation in the most appropriate manner, it is my understanding that the remaining contamination on the wellsite of the San Isidro #6-16 does not pose a threat to fresh water supply, public health, or the environment.

Many thanks, Cory. Upon your approval, Pride Energy will proceed to send a C-103 and the corresponding soil analysis reports to your attention. In addition, we will spread the remaining soil over the site, as per the surface owner (BLM) guidelines

Best regards,

**Kelley Mason**

Pride Energy Company  
4641 E. 91<sup>st</sup> St.



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)

March 16, 2017

Matt Pride

Pride Energy Company  
PO Box 701950  
Tulsa, OK 74170-1950  
TEL: (918) 524-9200  
FAX

OIL CONS. DIV DIST. 3

MAR 27 2017

RE: San Isidro 6-16

OrderNo.: 1703587

Dear Matt Pride:

Hall Environmental Analysis Laboratory received 1 sample(s) on 3/10/2017 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 qualifers 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

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pride Energy Company

Project: San Isidro 6-16

Lab ID: 1703587-001

Matrix: SOIL

Client Sample ID: Land Farm Bottom Soil

Collection Date: 3/10/2017 10:15:00 AM

Received Date: 3/10/2017 3:11:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>MAB</b>
Diesel Range Organics (DRO)	320	98		mg/Kg	10	3/15/2017 12:28:37 PM	30662
Motor Oil Range Organics (MRO)	860	490		mg/Kg	10	3/15/2017 12:28:37 PM	30662
Surr: DNOP	0	70-130	S	%Rec	10	3/15/2017 12:28:37 PM	30662
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	3/14/2017 9:15:55 PM	30654
Surr: BFB	78.5	54-150		%Rec	1	3/14/2017 9:15:55 PM	30654
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Methyl tert-butyl ether (MTBE)	ND	0.096		mg/Kg	1	3/14/2017 9:15:55 PM	30654
Benzene	ND	0.024		mg/Kg	1	3/14/2017 9:15:55 PM	30654
Toluene	ND	0.048		mg/Kg	1	3/14/2017 9:15:55 PM	30654
Ethylbenzene	ND	0.048		mg/Kg	1	3/14/2017 9:15:55 PM	30654
Xylenes, Total	ND	0.096		mg/Kg	1	3/14/2017 9:15:55 PM	30654
Surr: 4-Bromofluorobenzene	86.2	66.6-132		%Rec	1	3/14/2017 9:15:55 PM	30654

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

<b>Qualifiers:</b>	*	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
	R	RPD outside accepted recovery limits	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#: 1703587

16-Mar-17

**Client:** Pride Energy Company

**Project:** San Isidro 6-16

Sample ID <b>MB-30662</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>30662</b>	RunNo: <b>41351</b>								
Prep Date: <b>3/13/2017</b>	Analysis Date: <b>3/14/2017</b>	SeqNo: <b>1295843</b>			Units: <b>mg/Kg</b>					
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	8.8		10.00		87.7	70	130			

Sample ID <b>LCS-30662</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>30662</b>	RunNo: <b>41351</b>								
Prep Date: <b>3/13/2017</b>	Analysis Date: <b>3/14/2017</b>	SeqNo: <b>1295844</b>			Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	49	10	50.00	0	97.4	63.8	116			
Surr: DNOP	4.4		5.000		87.3	70	130			

Sample ID <b>LCS-30671</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>30671</b>	RunNo: <b>41353</b>								
Prep Date: <b>3/14/2017</b>	Analysis Date: <b>3/14/2017</b>	SeqNo: <b>1295899</b>			Units: <b>%Rec</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.5		5.000		90.1	70	130			

Sample ID <b>MB-30671</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>30671</b>	RunNo: <b>41353</b>								
Prep Date: <b>3/14/2017</b>	Analysis Date: <b>3/14/2017</b>	SeqNo: <b>1295900</b>			Units: <b>%Rec</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	9.5		10.00		95.2	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                                    |
| R RPD outside accepted recovery limits                  | 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#: 1703587  
16-Mar-17

**Client:** Pride Energy Company  
**Project:** San Isidro 6-16

Sample ID <b>MB-30654</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>PBS</b>	Batch ID: <b>30654</b>		RunNo: <b>41364</b>							
Prep Date: <b>3/13/2017</b>	Analysis Date: <b>3/14/2017</b>		SeqNo: <b>1296623</b>				Units: <b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	750		1000		74.8	54	150			

Sample ID <b>LCS-30654</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>30654</b>		RunNo: <b>41364</b>							
Prep Date: <b>3/13/2017</b>	Analysis Date: <b>3/14/2017</b>		SeqNo: <b>1296624</b>				Units: <b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	100	76.4	125			
Surr: BFB	980		1000		98.1	54	150			

### 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                                    |
| R RPD outside accepted recovery limits                  | 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#: 1703587

16-Mar-17

Client: Pride Energy Company

Project: San Isidro 6-16

Sample ID	<b>MB-30654</b>	SampType:	<b>MBLK</b>	TestCode:	<b>EPA Method 8021B: Volatiles</b>					
Client ID:	<b>PBS</b>	Batch ID:	<b>30654</b>	RunNo:	<b>41364</b>					
Prep Date:	<b>3/13/2017</b>	Analysis Date:	<b>3/14/2017</b>	SeqNo:	<b>1296641</b>	Units:	<b>mg/Kg</b>			
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	0.83		1.000		83.0	66.6	132			

Sample ID	<b>LCS-30654</b>	SampType:	<b>LCS</b>	TestCode:	<b>EPA Method 8021B: Volatiles</b>					
Client ID:	<b>LCSS</b>	Batch ID:	<b>30654</b>	RunNo:	<b>41364</b>					
Prep Date:	<b>3/13/2017</b>	Analysis Date:	<b>3/14/2017</b>	SeqNo:	<b>1296642</b>	Units:	<b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	0.85	0.10	1.000	0	84.7	66.5	120			
Benzene	0.97	0.025	1.000	0	97.1	80	120			
Toluene	0.98	0.050	1.000	0	98.5	80	120			
Ethylbenzene	0.99	0.050	1.000	0	99.0	80	120			
Xylenes, Total	3.0	0.10	3.000	0	101	80	120			
Surr: 4-Bromofluorobenzene	0.84		1.000		83.7	66.6	132			

## 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                                    |
| R RPD outside accepted recovery limits                  | 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: PRIDE ENERGY COMPA

Work Order Number: 1703587

RcptNo: 1

Received by/date: LM 03/10/17

Logged By: Andy Jansson 3/10/2017 3:11:00 PM

Completed By: Andy Jansson 03/10/17

Reviewed By: [Signature] 03/13/17

**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? Client

**Log In**

- 4. Was an attempt made to cool the samples? Yes  No  NA
- 5. Were all samples received at a temperature of >0° C to 6.0°C Yes  No  NA

Samples were collected the same day and chilled.

- 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 °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	7.1	Good	Not Present			





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)

February 16, 2017

Matt Pride  
Pride Energy Company  
PO Box 701950  
Tulsa, OK 74170-1950  
TEL: (918) 524-9200  
FAX

**OIL CONS. DIV DIST. 3**

**MAR 27 2017**

RE: San Isidro Land Farm San Doval CNT N.M.

OrderNo.: 1702556

Dear Matt Pride:

Hall Environmental Analysis Laboratory received 1 sample(s) on 2/10/2017 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

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Pride Energy Company **Client Sample ID:** Land Farm  
**Project:** San Isidro Land Farm San Doval CNT N. **Collection Date:** 2/9/2017 11:30:00 AM  
**Lab ID:** 1702556-001 **Matrix:** SOIL **Received Date:** 2/10/2017 3:34:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>TOM</b>
Diesel Range Organics (DRO)	160	8.7		mg/Kg	1	2/15/2017 4:19:20 PM	30186
Motor Oil Range Organics (MRO)	340	44		mg/Kg	1	2/15/2017 4:19:20 PM	30186
Surr: DNOP	112	70-130		%Rec	1	2/15/2017 4:19:20 PM	30186
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/15/2017 2:57:55 PM	30188
Surr: BFB	85.6	54-150		%Rec	1	2/15/2017 2:57:55 PM	30188
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.025		mg/Kg	1	2/15/2017 2:57:55 PM	30188
Toluene	ND	0.050		mg/Kg	1	2/15/2017 2:57:55 PM	30188
Ethylbenzene	ND	0.050		mg/Kg	1	2/15/2017 2:57:55 PM	30188
Xylenes, Total	ND	0.10		mg/Kg	1	2/15/2017 2:57:55 PM	30188
Surr: 4-Bromofluorobenzene	102	80-120		%Rec	1	2/15/2017 2:57:55 PM	30188

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
R	RPD outside accepted recovery limits	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#: 1702556

16-Feb-17

**Client:** Pride Energy Company  
**Project:** San Isidro Land Farm San Doval CNT N.M.

Sample ID	<b>LCS-30186</b>	SampType:	<b>LCS</b>	TestCode:	<b>EPA Method 8015M/D: Diesel Range Organics</b>					
Client ID:	<b>LCSS</b>	Batch ID:	<b>30186</b>	RunNo:	<b>40704</b>					
Prep Date:	<b>2/13/2017</b>	Analysis Date:	<b>2/14/2017</b>	SeqNo:	<b>1275316</b>	Units:	<b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	10	50.00	0	96.3	63.8	116			
Surr: DNOP	4.6		5.000		91.7	70	130			

Sample ID	<b>MB-30186</b>	SampType:	<b>MBLK</b>	TestCode:	<b>EPA Method 8015M/D: Diesel Range Organics</b>					
Client ID:	<b>PBS</b>	Batch ID:	<b>30186</b>	RunNo:	<b>40704</b>					
Prep Date:	<b>2/13/2017</b>	Analysis Date:	<b>2/14/2017</b>	SeqNo:	<b>1275317</b>	Units:	<b>mg/Kg</b>			
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	9.9		10.00		99.0	70	130			

Sample ID	<b>LCS-30214</b>	SampType:	<b>LCS</b>	TestCode:	<b>EPA Method 8015M/D: Diesel Range Organics</b>					
Client ID:	<b>LCSS</b>	Batch ID:	<b>30214</b>	RunNo:	<b>40742</b>					
Prep Date:	<b>2/14/2017</b>	Analysis Date:	<b>2/15/2017</b>	SeqNo:	<b>1276834</b>	Units:	<b>%Rec</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	5.0		5.000		100	70	130			

Sample ID	<b>MB-30214</b>	SampType:	<b>MBLK</b>	TestCode:	<b>EPA Method 8015M/D: Diesel Range Organics</b>					
Client ID:	<b>PBS</b>	Batch ID:	<b>30214</b>	RunNo:	<b>40742</b>					
Prep Date:	<b>2/14/2017</b>	Analysis Date:	<b>2/15/2017</b>	SeqNo:	<b>1276838</b>	Units:	<b>%Rec</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	11		10.00		105	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                                    |
| R RPD outside accepted recovery limits                  | 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#: 1702556

16-Feb-17

**Client:** Pride Energy Company  
**Project:** San Isidro Land Farm San Doval CNT N.M.

Sample ID	<b>MB-30212</b>	SampType:	<b>MBLK</b>	TestCode:	<b>EPA Method 8015D: Gasoline Range</b>					
Client ID:	<b>PBS</b>	Batch ID:	<b>30212</b>	RunNo:	<b>40755</b>					
Prep Date:	<b>2/14/2017</b>	Analysis Date:	<b>2/15/2017</b>	SeqNo:	<b>1277539</b>	Units:	<b>%Rec</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	850		1000		84.8	54	150			

Sample ID	<b>LCS-30212</b>	SampType:	<b>LCS</b>	TestCode:	<b>EPA Method 8015D: Gasoline Range</b>					
Client ID:	<b>LCSS</b>	Batch ID:	<b>30212</b>	RunNo:	<b>40755</b>					
Prep Date:	<b>2/14/2017</b>	Analysis Date:	<b>2/15/2017</b>	SeqNo:	<b>1277540</b>	Units:	<b>%Rec</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	930		1000		93.4	54	150			

Sample ID	<b>MB-30188</b>	SampType:	<b>MBLK</b>	TestCode:	<b>EPA Method 8015D: Gasoline Range</b>					
Client ID:	<b>PBS</b>	Batch ID:	<b>30188</b>	RunNo:	<b>40755</b>					
Prep Date:	<b>2/13/2017</b>	Analysis Date:	<b>2/15/2017</b>	SeqNo:	<b>1277553</b>	Units:	<b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	840		1000		84.4	54	150			

Sample ID	<b>LCS-30188</b>	SampType:	<b>LCS</b>	TestCode:	<b>EPA Method 8015D: Gasoline Range</b>					
Client ID:	<b>LCSS</b>	Batch ID:	<b>30188</b>	RunNo:	<b>40755</b>					
Prep Date:	<b>2/13/2017</b>	Analysis Date:	<b>2/15/2017</b>	SeqNo:	<b>1277554</b>	Units:	<b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	29	5.0	25.00	0	115	76.4	125			
Surr: BFB	940		1000		94.3	54	150			

### 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                                    |
| R RPD outside accepted recovery limits                  | 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#: 1702556  
16-Feb-17

**Client:** Pride Energy Company  
**Project:** San Isidro Land Farm San Doval CNT N.M.

Sample ID	<b>MB-30160</b>	SampType:	<b>MBLK</b>	TestCode:	<b>EPA Method 8021B: Volatiles</b>					
Client ID:	<b>PBS</b>	Batch ID:	<b>30160</b>	RunNo:	<b>40755</b>					
Prep Date:	<b>2/10/2017</b>	Analysis Date:	<b>2/15/2017</b>	SeqNo:	<b>1277569</b>	Units:	<b>%Rec</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.0		1.000		101	80	120			

Sample ID	<b>LCS-30160</b>	SampType:	<b>LCS</b>	TestCode:	<b>EPA Method 8021B: Volatiles</b>					
Client ID:	<b>LCSS</b>	Batch ID:	<b>30160</b>	RunNo:	<b>40755</b>					
Prep Date:	<b>2/10/2017</b>	Analysis Date:	<b>2/15/2017</b>	SeqNo:	<b>1277570</b>	Units:	<b>%Rec</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.0		1.000		104	80	120			

Sample ID	<b>MB-30212</b>	SampType:	<b>MBLK</b>	TestCode:	<b>EPA Method 8021B: Volatiles</b>					
Client ID:	<b>PBS</b>	Batch ID:	<b>30212</b>	RunNo:	<b>40755</b>					
Prep Date:	<b>2/14/2017</b>	Analysis Date:	<b>2/15/2017</b>	SeqNo:	<b>1277578</b>	Units:	<b>%Rec</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.98		1.000		98.0	80	120			

Sample ID	<b>LCS-30212</b>	SampType:	<b>LCS</b>	TestCode:	<b>EPA Method 8021B: Volatiles</b>					
Client ID:	<b>LCSS</b>	Batch ID:	<b>30212</b>	RunNo:	<b>40755</b>					
Prep Date:	<b>2/14/2017</b>	Analysis Date:	<b>2/15/2017</b>	SeqNo:	<b>1277579</b>	Units:	<b>%Rec</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.0		1.000		103	80	120			

Sample ID	<b>MB-30188</b>	SampType:	<b>MBLK</b>	TestCode:	<b>EPA Method 8021B: Volatiles</b>					
Client ID:	<b>PBS</b>	Batch ID:	<b>30188</b>	RunNo:	<b>40755</b>					
Prep Date:	<b>2/13/2017</b>	Analysis Date:	<b>2/15/2017</b>	SeqNo:	<b>1277585</b>	Units:	<b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.99		1.000		98.9	80	120			

Sample ID	<b>LCS-30188</b>	SampType:	<b>LCS</b>	TestCode:	<b>EPA Method 8021B: Volatiles</b>					
Client ID:	<b>LCSS</b>	Batch ID:	<b>30188</b>	RunNo:	<b>40755</b>					
Prep Date:	<b>2/13/2017</b>	Analysis Date:	<b>2/15/2017</b>	SeqNo:	<b>1277586</b>	Units:	<b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.98	0.025	1.000	0	98.0	75.2	115			

**Qualifiers:**

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

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 1702556

16-Feb-17

**Client:** Pride Energy Company  
**Project:** San Isidro Land Farm San Doval CNT N.M.

Sample ID	<b>LCS-30188</b>	SampType:	<b>LCS</b>	TestCode:	<b>EPA Method 8021B: Volatiles</b>					
Client ID:	<b>LCSS</b>	Batch ID:	<b>30188</b>	RunNo:	<b>40755</b>					
Prep Date:	<b>2/13/2017</b>	Analysis Date:	<b>2/15/2017</b>	SeqNo:	<b>1277586</b>	Units:	<b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Toluene	0.99	0.050	1.000	0	99.3	80.7	112			
Ethylbenzene	0.97	0.050	1.000	0	97.2	78.9	117			
Xylenes, Total	2.9	0.10	3.000	0	98.2	79.2	115			
Surr: 4-Bromofluorobenzene	0.99		1.000		99.0	80	120			

Sample ID	<b>1702556-001AMS</b>	SampType:	<b>MS</b>	TestCode:	<b>EPA Method 8021B: Volatiles</b>					
Client ID:	<b>Land Farm</b>	Batch ID:	<b>30188</b>	RunNo:	<b>40755</b>					
Prep Date:	<b>2/13/2017</b>	Analysis Date:	<b>2/15/2017</b>	SeqNo:	<b>1277588</b>	Units:	<b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.92	0.023	0.9398	0	97.7	61.5	138			
Toluene	0.96	0.047	0.9398	0.009920	101	71.4	127			
Ethylbenzene	0.97	0.047	0.9398	0	103	70.9	132			
Xylenes, Total	2.9	0.094	2.820	0.01487	103	76.2	123			
Surr: 4-Bromofluorobenzene	0.96		0.9398		103	80	120			

Sample ID	<b>1702556-001AMSD</b>	SampType:	<b>MSD</b>	TestCode:	<b>EPA Method 8021B: Volatiles</b>					
Client ID:	<b>Land Farm</b>	Batch ID:	<b>30188</b>	RunNo:	<b>40755</b>					
Prep Date:	<b>2/13/2017</b>	Analysis Date:	<b>2/15/2017</b>	SeqNo:	<b>1277589</b>	Units:	<b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.90	0.023	0.9276	0	96.8	61.5	138	2.30	20	
Toluene	0.93	0.046	0.9276	0.009920	98.9	71.4	127	3.20	20	
Ethylbenzene	0.94	0.046	0.9276	0	102	70.9	132	2.41	20	
Xylenes, Total	2.8	0.093	2.783	0.01487	102	76.2	123	2.46	20	
Surr: 4-Bromofluorobenzene	0.94		0.9276		101	80	120	0	0	

### 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                                    |
| R RPD outside accepted recovery limits                  | 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: PRIDE ENERGY COMPA

Work Order Number: 1702556

RcptNo: 1

Received by/date: AJ 02/10/17

Logged By: Andy Jansson 2/10/2017 3:34:00 PM ay/j

Completed By: Andy Jansson 02/13/17

Reviewed By: AJ 02/13/17

### 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? Client

### Log In

4. Was an attempt made to cool the samples? Yes  No  NA
5. Were all samples received at a temperature of >0° C to 6.0°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 °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	5.6	Good	Not Present			





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)

October 27, 2016

Kelley Mason  
Pride Energy Company  
PO Box 701950  
Tulsa, OK 74170-1950  
TEL: (918) 524-9200  
FAX

**OIL CONS. DIV DIST. 3**

**MAR 27 2017**

RE: Pride Energy Company San Isidro 6-16

OrderNo.: 1610675

Dear Kelley Mason:

Hall Environmental Analysis Laboratory received 1 sample(s) on 10/12/2016 for the analyses presented in the following report.

This report is a revised report and it replaces the original report issued October 20, 2016.

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. 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. All samples are reported as received unless otherwise indicated.

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

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

**Hall Environmental Analysis Laboratory, Inc.**

CLIENT: Pride Energy Company

Client Sample ID: San Isidro 6-16

Project: Pride Energy Company San Isidro 6-16

Collection Date: 10/12/2016 9:50:00 AM

Lab ID: 1610675-001

Matrix: SOIL

Received Date: 10/12/2016 5:15:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>TOM</b>
Diesel Range Organics (DRO)	730	100		mg/Kg	10	10/17/2016 8:53:46 PM	28076
Motor Oil Range Organics (MRO)	1200	500		mg/Kg	10	10/17/2016 8:53:46 PM	28076
Surr: DNOP	0	70-130	S	%Rec	10	10/17/2016 8:53:46 PM	28076
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/18/2016 4:56:37 PM	28066
Surr: BFB	83.2	68.3-144		%Rec	1	10/18/2016 4:56:37 PM	28066
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Methyl tert-butyl ether (MTBE)	ND	0.099		mg/Kg	1	10/19/2016 1:16:08 PM	28066
Benzene	ND	0.025		mg/Kg	1	10/19/2016 1:16:08 PM	28066
Toluene	ND	0.049		mg/Kg	1	10/19/2016 1:16:08 PM	28066
Ethylbenzene	ND	0.049		mg/Kg	1	10/19/2016 1:16:08 PM	28066
Xylenes, Total	ND	0.099		mg/Kg	1	10/19/2016 1:16:08 PM	28066
Surr: 4-Bromofluorobenzene	97.8	80-120		%Rec	1	10/19/2016 1:16:08 PM	28066

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

<b>Qualifiers:</b>	* 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
	R RPD outside accepted recovery limits	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#: 1610675

27-Oct-16

**Client:** Pride Energy Company  
**Project:** Pride Energy Company San Isidro 6-16

Sample ID <b>MB-28076</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>28076</b>	RunNo: <b>37981</b>								
Prep Date: <b>10/14/2016</b>	Analysis Date: <b>10/17/2016</b>	SeqNo: <b>1184449</b>	Units: <b>mg/Kg</b>							
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	8.6		10.00		85.7	70	130			

Sample ID <b>LCS-28076</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>28076</b>	RunNo: <b>38007</b>								
Prep Date: <b>10/14/2016</b>	Analysis Date: <b>10/18/2016</b>	SeqNo: <b>1184792</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	45	10	50.00	0	89.2	62.6	124			
Surr: DNOP	4.4		5.000		88.8	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                                    |
| R RPD outside accepted recovery limits                  | 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#: 1610675

27-Oct-16

Client: Pride Energy Company

Project: Pride Energy Company San Isidro 6-16

Sample ID	<b>MB-28066</b>	SampType:	<b>MBLK</b>	TestCode:	<b>EPA Method 8015D: Gasoline Range</b>					
Client ID:	<b>PBS</b>	Batch ID:	<b>28066</b>	RunNo:	<b>37988</b>					
Prep Date:	<b>10/14/2016</b>	Analysis Date:	<b>10/17/2016</b>	SeqNo:	<b>1184548</b>	Units:	<b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	810		1000		81.3	68.3	144			

Sample ID	<b>LCS-28066</b>	SampType:	<b>LCS</b>	TestCode:	<b>EPA Method 8015D: Gasoline Range</b>					
Client ID:	<b>LCSS</b>	Batch ID:	<b>28066</b>	RunNo:	<b>37988</b>					
Prep Date:	<b>10/14/2016</b>	Analysis Date:	<b>10/17/2016</b>	SeqNo:	<b>1184549</b>	Units:	<b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	103	74.6	123			
Surr: BFB	890		1000		89.4	68.3	144			

### 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                                    |
| R RPD outside accepted recovery limits                  | 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#: 1610675

27-Oct-16

**Client:** Pride Energy Company  
**Project:** Pride Energy Company San Isidro 6-16

Sample ID <b>MB-28066</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>28066</b>	RunNo: <b>37988</b>								
Prep Date: <b>10/14/2016</b>	Analysis Date: <b>10/17/2016</b>	SeqNo: <b>1184561</b>			Units: <b>mg/Kg</b>					
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	0.95		1.000		94.8	80	120			

Sample ID <b>LCS-28066</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>28066</b>	RunNo: <b>37988</b>								
Prep Date: <b>10/14/2016</b>	Analysis Date: <b>10/17/2016</b>	SeqNo: <b>1184562</b>			Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	0.90	0.10	1.000	0	89.7	65.7	116			
Benzene	0.93	0.025	1.000	0	92.6	75.2	115			
Toluene	0.96	0.050	1.000	0	96.1	80.7	112			
Ethylbenzene	0.99	0.050	1.000	0	98.6	78.9	117			
Xylenes, Total	2.9	0.10	3.000	0	97.9	79.2	115			
Surr: 4-Bromofluorobenzene	1.0		1.000		101	80	120			

**Qualifiers:**

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

**Sample Log-In Check List**

Client Name: PRIDE ENERGY COMPA Work Order Number: 1610675 RcptNo: 1

Received by/date: AG 10/12/16

Logged By: Ashley Gallegos 10/12/2016 5:15:00 PM AG

Completed By: Ashley Gallegos 10/13/2016 7:57:29 PM AG

Reviewed By: JC 10/14/16

**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? Client

**Log In**

- 4. Was an attempt made to cool the samples? Yes  No  NA
- 5. Were all samples received at a temperature of >0° C to 6.0°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? Yes  No   
(Note discrepancies on chain of custody)
- 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? Yes  No   
(If no, notify customer for authorization.)

# 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 °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	4.9	Good	Not Present			





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)

September 12, 2016

Matt Pride

Pride Energy Company  
PO Box 701950

Tulsa, OK 74170-1950

TEL: (918) 524-9200

FAX

**OIL CONS. DIV DIST. 3**

**MAR 27 2017**

RE: San Isidro 12-10 San Isidro 6-16

OrderNo.: 1607534

Dear Matt Pride:

Hall Environmental Analysis Laboratory received 2 sample(s) on 7/11/2016 for the analyses presented in the following report.

This report is a revised report and it replaces the original report issued July 19, 2016.

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. 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. All samples are reported as received unless otherwise indicated.

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

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

**Hall Environmental Analysis Laboratory, Inc.****CLIENT:** Pride Energy Company**Client Sample ID:** San Isidro 12-10**Project:** San Isidro 12-10 San Isidro 6-16**Collection Date:** 7/11/2016 10:00:00 AM**Lab ID:** 1607534-001**Matrix:** SOIL**Received Date:** 7/11/2016 12:40:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: <b>TOM</b>
Diesel Range Organics (DRO)	1100	96		mg/Kg	10	7/14/2016 3:45:08 PM
Motor Oil Range Organics (MRO)	1900	480		mg/Kg	10	7/14/2016 3:45:08 PM
Surr: DNOP	0	70-130	S	%Rec	10	7/14/2016 3:45:08 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/15/2016 4:39:21 PM
Surr: BFB	100	80-120		%Rec	1	7/15/2016 4:39:21 PM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	7/15/2016 4:39:21 PM
Toluene	ND	0.048		mg/Kg	1	7/15/2016 4:39:21 PM
Ethylbenzene	ND	0.048		mg/Kg	1	7/15/2016 4:39:21 PM
Xylenes, Total	ND	0.095		mg/Kg	1	7/15/2016 4:39:21 PM
Surr: 4-Bromofluorobenzene	95.0	80-120		%Rec	1	7/15/2016 4:39:21 PM

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

<b>Qualifiers:</b>	* 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	Page 1 of 5
	ND Not Detected at the Reporting Limit	P Sample pH Not In Range	
	R RPD outside accepted recovery limits	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, Inc.**

CLIENT: Pride Energy Company

Client Sample ID: San Isidro 6-16

Project: San Isidro 12-10 San Isidro 6-16

Collection Date: 7/11/2016 10:45:00 AM

Lab ID: 1607534-002

Matrix: SOIL

Received Date: 7/11/2016 12:40:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: <b>TOM</b>
Diesel Range Organics (DRO)	410	99		mg/Kg	10	7/14/2016 4:29:42 PM
Motor Oil Range Organics (MRO)	1200	490		mg/Kg	10	7/14/2016 4:29:42 PM
Surr: DNOP	0	70-130	S	%Rec	10	7/14/2016 4:29:42 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/15/2016 5:50:03 PM
Surr: BFB	97.6	80-120		%Rec	1	7/15/2016 5:50:03 PM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: <b>NSB</b>
Benzene	ND	0.025		mg/Kg	1	7/15/2016 5:50:03 PM
Toluene	ND	0.050		mg/Kg	1	7/15/2016 5:50:03 PM
Ethylbenzene	ND	0.050		mg/Kg	1	7/15/2016 5:50:03 PM
Xylenes, Total	ND	0.099		mg/Kg	1	7/15/2016 5:50:03 PM
Surr: 4-Bromofluorobenzene	94.3	80-120		%Rec	1	7/15/2016 5:50:03 PM

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

<b>Qualifiers:</b>	*	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
	R	RPD outside accepted recovery limits	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#: 1607534

12-Sep-16

**Client:** Pride Energy Company  
**Project:** San Isidro 12-10 San Isidro 6-16

Sample ID	<b>LCS-26377</b>	SampType:	<b>LCS</b>	TestCode:	<b>EPA Method 8015M/D: Diesel Range Organics</b>					
Client ID:	<b>LCSS</b>	Batch ID:	<b>26377</b>	RunNo:	<b>35683</b>					
Prep Date:	<b>7/13/2016</b>	Analysis Date:	<b>7/14/2016</b>	SeqNo:	<b>1105643</b>	Units:	<b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	51	10	50.00	0	101	62.6	124			
Surr: DNOP	4.7		5.000		94.1	70	130			

Sample ID	<b>MB-26377</b>	SampType:	<b>MBLK</b>	TestCode:	<b>EPA Method 8015M/D: Diesel Range Organics</b>					
Client ID:	<b>PBS</b>	Batch ID:	<b>26377</b>	RunNo:	<b>35683</b>					
Prep Date:	<b>7/13/2016</b>	Analysis Date:	<b>7/14/2016</b>	SeqNo:	<b>1105644</b>	Units:	<b>mg/Kg</b>			
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	9.1		10.00		91.1	70	130			

**Qualifiers:**

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

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 1607534

12-Sep-16

**Client:** Pride Energy Company  
**Project:** San Isidro 12-10 San Isidro 6-16

Sample ID <b>MB-26374</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>PBS</b>	Batch ID: <b>26374</b>	RunNo: <b>35744</b>								
Prep Date: <b>7/13/2016</b>	Analysis Date: <b>7/15/2016</b>	SeqNo: <b>1105954</b>							Units: <b>mg/Kg</b>	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	970		1000		96.9	80	120			

Sample ID <b>LCS-26374</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>26374</b>	RunNo: <b>35744</b>								
Prep Date: <b>7/13/2016</b>	Analysis Date: <b>7/15/2016</b>	SeqNo: <b>1105955</b>							Units: <b>mg/Kg</b>	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	104	80	120			
Surr: BFB	1100		1000		108	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                                    |
| R RPD outside accepted recovery limits                  | 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#: 1607534  
12-Sep-16

Client: Pride Energy Company  
Project: San Isidro 12-10 San Isidro 6-16

Sample ID	<b>MB-26374</b>	SampType:	<b>MBLK</b>	TestCode:	<b>EPA Method 8021B: Volatiles</b>					
Client ID:	<b>PBS</b>	Batch ID:	<b>26374</b>	RunNo:	<b>35744</b>					
Prep Date:	<b>7/13/2016</b>	Analysis Date:	<b>7/15/2016</b>	SeqNo:	<b>1105992</b>	Units:	<b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.94		1.000		93.6	80	120			

Sample ID	<b>LCS-26374</b>	SampType:	<b>LCS</b>	TestCode:	<b>EPA Method 8021B: Volatiles</b>					
Client ID:	<b>LCSS</b>	Batch ID:	<b>26374</b>	RunNo:	<b>35744</b>					
Prep Date:	<b>7/13/2016</b>	Analysis Date:	<b>7/15/2016</b>	SeqNo:	<b>1105993</b>	Units:	<b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.99	0.025	1.000	0	99.0	75.3	123			
Toluene	0.97	0.050	1.000	0	97.1	80	124			
Ethylbenzene	0.99	0.050	1.000	0	99.4	82.8	121			
Xylenes, Total	3.0	0.10	3.000	0	98.5	83.9	122			
Surr: 4-Bromofluorobenzene	0.98		1.000		97.9	80	120			

Sample ID	<b>1607534-001AMS</b>	SampType:	<b>MS</b>	TestCode:	<b>EPA Method 8021B: Volatiles</b>					
Client ID:	<b>San Isidro 12-10</b>	Batch ID:	<b>26374</b>	RunNo:	<b>35744</b>					
Prep Date:	<b>7/13/2016</b>	Analysis Date:	<b>7/15/2016</b>	SeqNo:	<b>1106005</b>	Units:	<b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.84	0.023	0.9328	0	89.9	71.5	122			
Toluene	0.86	0.047	0.9328	0	92.3	71.2	123			
Ethylbenzene	0.91	0.047	0.9328	0	97.4	75.2	130			
Xylenes, Total	2.7	0.093	2.799	0	96.8	72.4	131			
Surr: 4-Bromofluorobenzene	0.93		0.9328		99.2	80	120			

Sample ID	<b>1607534-001AMSD</b>	SampType:	<b>MSD</b>	TestCode:	<b>EPA Method 8021B: Volatiles</b>					
Client ID:	<b>San Isidro 12-10</b>	Batch ID:	<b>26374</b>	RunNo:	<b>35744</b>					
Prep Date:	<b>7/13/2016</b>	Analysis Date:	<b>7/15/2016</b>	SeqNo:	<b>1106006</b>	Units:	<b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.84	0.023	0.9346	0	90.2	71.5	122	0.450	20	
Toluene	0.88	0.047	0.9346	0	94.0	71.2	123	2.02	20	
Ethylbenzene	0.94	0.047	0.9346	0	101	75.2	130	3.50	20	
Xylenes, Total	2.8	0.093	2.804	0	99.1	72.4	131	2.53	20	
Surr: 4-Bromofluorobenzene	0.93		0.9346		99.6	80	120	0	0	

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit
- 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: PRIDE ENERGY COMPA Work Order Number: 1607534 RcptNo: 1

Received by/date: LM 07/12/16

Logged By: Joe Archuleta 7/11/2016 12:40:00 PM *JE*

Completed By: Joe Archuleta 7/12/2016 2:53:57 PM *JE*

Reviewed By: *J/a* 07/12/16

**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? Client

**Log In**

- 4. Was an attempt made to cool the samples? Yes  No  NA
- 5. Were all samples received at a temperature of >0° C to 6.0°C Yes  No  NA
- Samples were collected the same day and chilled.
- 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 °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	16.4	Good	Not Present			





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)

September 12, 2016

Matt Pride

Pride Energy Company  
PO Box 701950  
Tulsa, OK 74170-1950  
TEL: (918) 524-9200  
FAX

OIL CONS. DIV DIST. 3  
MAR 27 2017

RE:

OrderNo.: 1604345

Dear Matt Pride:

Hall Environmental Analysis Laboratory received 2 sample(s) on 4/7/2016 for the analyses presented in the following report.

This report is a revised report and it replaces the original report issued April 14, 2016.

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. 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. All samples are reported as received unless otherwise indicated.

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

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

**Hall Environmental Analysis Laboratory, Inc.**

CLIENT: Pride Energy Company

Client Sample ID: San Isidro 6-16

Project:

Collection Date: 4/7/2016 1:30:00 PM

Lab ID: 1604345-001

Matrix: SOIL

Received Date: 4/7/2016 2:49:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: KJH
Diesel Range Organics (DRO)	610	94		mg/Kg	10	4/12/2016 11:32:06 AM
Motor Oil Range Organics (MRO)	840	470		mg/Kg	10	4/12/2016 11:32:06 AM
Surr: DNOP	0	70-130	S	%Rec	10	4/12/2016 11:32:06 AM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	4/11/2016 9:02:30 PM
Surr: BFB	87.4	80-120		%Rec	1	4/11/2016 9:02:30 PM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	4/11/2016 9:02:30 PM
Toluene	ND	0.050		mg/Kg	1	4/11/2016 9:02:30 PM
Ethylbenzene	ND	0.050		mg/Kg	1	4/11/2016 9:02:30 PM
Xylenes, Total	ND	0.10		mg/Kg	1	4/11/2016 9:02:30 PM
Surr: 4-Bromofluorobenzene	108	80-120		%Rec	1	4/11/2016 9:02:30 PM

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

<b>Qualifiers:</b>	* 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
	R RPD outside accepted recovery limits	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, Inc.**

CLIENT: Pride Energy Company

Client Sample ID: San Isidro 12-10

Project:

Collection Date: 4/7/2016 1:30:00 PM

Lab ID: 1604345-002

Matrix: SOIL

Received Date: 4/7/2016 2:49:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: KJH
Diesel Range Organics (DRO)	1600	100		mg/Kg	10	4/12/2016 12:02:03 PM
Motor Oil Range Organics (MRO)	1700	510		mg/Kg	10	4/12/2016 12:02:03 PM
Surr: DNOP	0	70-130	S	%Rec	10	4/12/2016 12:02:03 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	4/11/2016 3:44:15 PM
Surr: BFB	90.0	80-120		%Rec	1	4/11/2016 3:44:15 PM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	4/11/2016 3:44:15 PM
Toluene	ND	0.047		mg/Kg	1	4/11/2016 3:44:15 PM
Ethylbenzene	ND	0.047		mg/Kg	1	4/11/2016 3:44:15 PM
Xylenes, Total	ND	0.094		mg/Kg	1	4/11/2016 3:44:15 PM
Surr: 4-Bromofluorobenzene	108	80-120		%Rec	1	4/11/2016 3:44:15 PM

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

<b>Qualifiers:</b>	* 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
	R RPD outside accepted recovery limits	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#: 1604345  
 12-Sep-16

**Client:** Pride Energy Company  
**Project:**

Sample ID <b>LCS-24721</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>24721</b>		RunNo: <b>33451</b>							
Prep Date: <b>4/11/2016</b>	Analysis Date: <b>4/12/2016</b>		SeqNo: <b>1028810</b>				Units: <b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	49	10	50.00	0	97.4	65.8	136			
Surr: DNOP	3.9		5.000		78.3	70	130			

Sample ID <b>MB-24721</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>							
Client ID: <b>PBS</b>	Batch ID: <b>24721</b>		RunNo: <b>33451</b>							
Prep Date: <b>4/11/2016</b>	Analysis Date: <b>4/12/2016</b>		SeqNo: <b>1028811</b>				Units: <b>mg/Kg</b>			
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	8.1		10.00		80.7	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                                    |
| R RPD outside accepted recovery limits                  | 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#: 1604345  
12-Sep-16

Client: Pride Energy Company  
Project:

Sample ID <b>MB-24703</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>PBS</b>	Batch ID: <b>24703</b>	RunNo: <b>33446</b>								
Prep Date: <b>4/8/2016</b>	Analysis Date: <b>4/11/2016</b>	SeqNo: <b>1028517</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	740		1000		74.5	66.2	112			

Sample ID <b>LCS-24703</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>24703</b>	RunNo: <b>33446</b>								
Prep Date: <b>4/8/2016</b>	Analysis Date: <b>4/11/2016</b>	SeqNo: <b>1028518</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	21	5.0	25.00	0	84.8	80	120			
Surr: BFB	1000		1000		101	80	120			

Sample ID <b>1604345-002AMS</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>San Isidro 12-10</b>	Batch ID: <b>24703</b>	RunNo: <b>33446</b>								
Prep Date: <b>4/8/2016</b>	Analysis Date: <b>4/11/2016</b>	SeqNo: <b>1028521</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	19	4.7	23.47	0	82.7	59.3	143			
Surr: BFB	990		939.0		106	80	120			

Sample ID <b>1604345-002AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>San Isidro 12-10</b>	Batch ID: <b>24703</b>	RunNo: <b>33446</b>								
Prep Date: <b>4/8/2016</b>	Analysis Date: <b>4/11/2016</b>	SeqNo: <b>1028522</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	19	4.9	24.68	0	76.3	59.3	143	3.05	20	
Surr: BFB	940		987.2		95.1	80	120	0	0	

### 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                                    |
| R RPD outside accepted recovery limits                  | 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#: 1604345

12-Sep-16

Client: Pride Energy Company

Project:

Sample ID	<b>MB-24703</b>	SampType:	<b>MBLK</b>	TestCode:	<b>EPA Method 8021B: Volatiles</b>					
Client ID:	<b>PBS</b>	Batch ID:	<b>24703</b>	RunNo:	<b>33446</b>					
Prep Date:	<b>4/8/2016</b>	Analysis Date:	<b>4/11/2016</b>	SeqNo:	<b>1028536</b>	Units:	<b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.87		1.000		86.5	80	120			

Sample ID	<b>LCS-24703</b>	SampType:	<b>LCS</b>	TestCode:	<b>EPA Method 8021B: Volatiles</b>					
Client ID:	<b>LCSS</b>	Batch ID:	<b>24703</b>	RunNo:	<b>33446</b>					
Prep Date:	<b>4/8/2016</b>	Analysis Date:	<b>4/11/2016</b>	SeqNo:	<b>1028537</b>	Units:	<b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.87	0.025	1.000	0	87.2	75.3	123			
Toluene	0.95	0.050	1.000	0	94.8	80	124			
Ethylbenzene	0.98	0.050	1.000	0	98.3	82.8	121			
Xylenes, Total	3.0	0.10	3.000	0	99.3	83.9	122			
Surr: 4-Bromofluorobenzene	1.2		1.000		123	80	120			S

Sample ID	<b>1604345-001AMS</b>	SampType:	<b>MS</b>	TestCode:	<b>EPA Method 8021B: Volatiles</b>					
Client ID:	<b>San Isidro 6-16</b>	Batch ID:	<b>24703</b>	RunNo:	<b>33446</b>					
Prep Date:	<b>4/8/2016</b>	Analysis Date:	<b>4/11/2016</b>	SeqNo:	<b>1028544</b>	Units:	<b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.80	0.024	0.9515	0	83.8	71.5	122			
Toluene	0.92	0.048	0.9515	0.007371	95.6	71.2	123			
Ethylbenzene	0.93	0.048	0.9515	0	97.8	75.2	130			
Xylenes, Total	2.8	0.095	2.854	0	97.2	72.4	131			
Surr: 4-Bromofluorobenzene	1.1		0.9515		113	80	120			

Sample ID	<b>1604345-001AMSD</b>	SampType:	<b>MSD</b>	TestCode:	<b>EPA Method 8021B: Volatiles</b>					
Client ID:	<b>San Isidro 6-16</b>	Batch ID:	<b>24703</b>	RunNo:	<b>33446</b>					
Prep Date:	<b>4/8/2016</b>	Analysis Date:	<b>4/11/2016</b>	SeqNo:	<b>1028545</b>	Units:	<b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.61	0.023	0.9200	0	66.0	71.5	122	27.1	20	RS
Toluene	0.70	0.046	0.9200	0.007371	75.2	71.2	123	27.0	20	R
Ethylbenzene	0.74	0.046	0.9200	0	80.2	75.2	130	23.2	20	R
Xylenes, Total	2.2	0.092	2.760	0	79.0	72.4	131	23.9	20	R
Surr: 4-Bromofluorobenzene	1.0		0.9200		111	80	120	0	0	

### 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                                    |
| R RPD outside accepted recovery limits                  | 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 87107  
 TEL: 505-345-3975 FAX: 505-345-4107  
 Website: www.hallenvironmental.com

# Sample Log-In Check List

Client Name: PRIDE ENERGY COMPA

Work Order Number: 1604345

RcptNo 1

Received by/date: *AG* 04/07/16

Logged By: Ashley Gallegos 4/7/2016 2:49:00 PM *AG*

Completed By: Ashley Gallegos 4/8/2016 10:57:33 AM *AG*

Reviewed By: *ga* 04/08/16

**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? Client

**Log In**

- 4. Was an attempt made to cool the samples? Yes  No  NA
- 5. Were all samples received at a temperature of >0° C to 6.0°C Samples were collected the same day Yes  No  NA
- 6. Sample(s) in proper container(s)? Samples were collected the same day. 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 °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	20.3	Good	Not Present			

# Chain-of-Custody Record

Client: Prude Energy

Mailing Address: Tulsa, OKLA

Phone #: \_\_\_\_\_

Mail or Fax#: \_\_\_\_\_

A/QC Package:  
 Standard  Level 4 (Full Validation)

Accreditation:  
 NELAP  Other \_\_\_\_\_

EDD (Type) \_\_\_\_\_

Turn-Around Time:  
 Standard  Rush

Project Name:  
San Isidro 12-10  
6-16

Project #: \_\_\_\_\_

Project Manager:  
MART. Prude

Sampler:  
 On Ice:  Yes  No

Sample Temperature: 20.3



## HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

### Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No.	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / MRO)	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270 SIMS)	RCRA 8 Metals	Anions (F, Cl, NO <sub>3</sub> , NO <sub>2</sub> , PO <sub>4</sub> , SO <sub>4</sub> )	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	Air Bubbles (Y or N)	
-7	1:30					1604345													
-7	1:30	Soil	San Isidro 6-16			-001	✓		✓										
-7	1:30	±	San Isidro 12-10			-002	✓		✓										

Relinquished by: Tom Hatt Date: 07/07/11 Time: 1449

Received by: [Signature] Date: \_\_\_\_\_ Time: \_\_\_\_\_

Remarks: \_\_\_\_\_

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly noted on the analytical report.



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)

August 19, 2015

OIL CONS. DIV DIST. 3

MAR 27 2017

Lynn Hatley  
Pride Energy Company  
PO Box 701950  
Tulsa, OK 74170-1950  
TEL: (918) 524-9200  
FAX

RE: San Isidro-Lease

OrderNo.: 1508705

Dear Lynn Hatley:

Hall Environmental Analysis Laboratory received 2 sample(s) on 8/14/2015 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

Hall Environmental Analysis Laboratory, Inc.

Analytical Report  
 Lab Order 1508705  
 Date Reported: 8/19/2015

CLIENT: Pride Energy Company

Client Sample ID: 12-10

Project: San Isidro-Lease

Collection Date: 8/14/2015 9:30:00 AM

Lab ID: 1508705-001

Matrix: SOIL

Received Date: 8/14/2015 1:28:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: KJH
Diesel Range Organics (DRO)	1800	99		mg/Kg	10	8/18/2015 6:45:40 PM	20838
Motor Oil Range Organics (MRO)	2600	500		mg/Kg	10	8/18/2015 6:45:40 PM	20838
Surr: DNOP	0	57.9-140	S	%REC	10	8/18/2015 6:45:40 PM	20838
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	8/18/2015 1:29:46 AM	20808
Surr: BFB	81.9	75.4-113		%REC	1	8/18/2015 1:29:46 AM	20808
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.047		mg/Kg	1	8/18/2015 1:29:46 AM	20808
Toluene	ND	0.047		mg/Kg	1	8/18/2015 1:29:46 AM	20808
Ethylbenzene	ND	0.047		mg/Kg	1	8/18/2015 1:29:46 AM	20808
Xylenes, Total	ND	0.093		mg/Kg	1	8/18/2015 1:29:46 AM	20808
Surr: 4-Bromofluorobenzene	89.6	80-120		%REC	1	8/18/2015 1:29:46 AM	20808

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

<b>Qualifiers:</b>	* 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
	R RPD outside accepted recovery limits	RL Reporting Detection Limit
	S % Recovery outside of range due to dilution or matrix	

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1508705

Date Reported: 8/19/2015

CLIENT: Pride Energy Company

Client Sample ID: 6-16

Project: San Isidro-Lease

Collection Date: 8/14/2015 10:00:00 AM

Lab ID: 1508705-002

Matrix: SOIL

Received Date: 8/14/2015 1:28:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>KJH</b>
Diesel Range Organics (DRO)	510	98		mg/Kg	10	8/18/2015 7:50:12 PM	20838
Motor Oil Range Organics (MRO)	1300	490		mg/Kg	10	8/18/2015 7:50:12 PM	20838
Surr: DNOP	0	57.9-140	S	%REC	10	8/18/2015 7:50:12 PM	20838
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/18/2015 1:54:34 AM	20808
Surr: BFB	80.1	75.4-113		%REC	1	8/18/2015 1:54:34 AM	20808
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.048		mg/Kg	1	8/18/2015 1:54:34 AM	20808
Toluene	ND	0.048		mg/Kg	1	8/18/2015 1:54:34 AM	20808
Ethylbenzene	ND	0.048		mg/Kg	1	8/18/2015 1:54:34 AM	20808
Xylenes, Total	ND	0.097		mg/Kg	1	8/18/2015 1:54:34 AM	20808
Surr: 4-Bromofluorobenzene	90.4	80-120		%REC	1	8/18/2015 1:54:34 AM	20808

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

<b>Qualifiers:</b>	* 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	Page 2 of 5
	ND Not Detected at the Reporting Limit	P Sample pH Not In Range	
	R RPD outside accepted recovery limits	RL Reporting Detection Limit	
	S % Recovery outside of range due to dilution or matrix		



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)

April 01, 2015

Matt Pride

Pride Energy Company  
PO Box 701950

Tulsa, OK 74170-1950

TEL: (918) 524-9200

FAX (918) 524-9292

**OIL CONS. DIV DIST. 3**

**MAR 27 2017**

RE: San Isidro # 6-16

OrderNo.: 1503B87

Dear Matt Pride:

Hall Environmental Analysis Laboratory received 1 sample(s) on 3/26/2015 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 qualifers 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 light blue horizontal line.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Pride Energy Company  
**Project:** San Isidro # 6-16  
**Lab ID:** 1503B87-001

**Client Sample ID:** Landfarm  
**Collection Date:** 3/25/2015 11:00:00 AM  
**Received Date:** 3/26/2015 7:00:00 AM

**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 8015D: DIESEL RANGE ORGANICS</b>							Analyst: <b>JME</b>
Diesel Range Organics (DRO)	1100	99		mg/Kg	10	3/27/2015 8:56:18 PM	18351
Motor Oil Range Organics (MRO)	1600	490		mg/Kg	10	3/27/2015 8:56:18 PM	18351
Surr: DNOP	0	63.5-128	S	%REC	10	3/27/2015 8:56:18 PM	18351
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	3/30/2015 3:53:25 PM	18355
Surr: BFB	101	80-120		%REC	1	3/30/2015 3:53:25 PM	18355
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.047		mg/Kg	1	3/30/2015 3:53:25 PM	18355
Toluene	ND	0.047		mg/Kg	1	3/30/2015 3:53:25 PM	18355
Ethylbenzene	ND	0.047		mg/Kg	1	3/30/2015 3:53:25 PM	18355
Xylenes, Total	ND	0.094		mg/Kg	1	3/30/2015 3:53:25 PM	18355
Surr: 4-Bromofluorobenzene	107	80-120		%REC	1	3/30/2015 3:53:25 PM	18355
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>SRM</b>
Chloride	310	30		mg/Kg	20	3/31/2015 1:47:47 PM	18435

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
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
O	RSD is greater than RSDlimit	P Sample pH Not In Range
R	RPD outside accepted recovery limits	RL Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits	

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1503B87

01-Apr-15

Client: Pride Energy Company

Project: San Isidro # 6-16

Sample ID	<b>MB-18435</b>	SampType:	<b>MBLK</b>	TestCode:	<b>EPA Method 300.0: Anions</b>					
Client ID:	<b>PBS</b>	Batch ID:	<b>18435</b>	RunNo:	<b>25209</b>					
Prep Date:	<b>3/31/2015</b>	Analysis Date:	<b>3/31/2015</b>	SeqNo:	<b>745174</b>	Units:	<b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	<b>LCS-18435</b>	SampType:	<b>LCS</b>	TestCode:	<b>EPA Method 300.0: Anions</b>					
Client ID:	<b>LCSS</b>	Batch ID:	<b>18435</b>	RunNo:	<b>25209</b>					
Prep Date:	<b>3/31/2015</b>	Analysis Date:	<b>3/31/2015</b>	SeqNo:	<b>745175</b>	Units:	<b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.1	90	110			

## Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH Not In Range
- RL Reporting Detection Limit

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1503B87

01-Apr-15

Client: Pride Energy Company

Project: San Isidro # 6-16

Sample ID	<b>MB-18351</b>	SampType:	<b>MBLK</b>	TestCode:	<b>EPA Method 8015D: Diesel Range Organics</b>					
Client ID:	<b>PBS</b>	Batch ID:	<b>18351</b>	RunNo:	<b>25073</b>					
Prep Date:	<b>3/26/2015</b>	Analysis Date:	<b>3/27/2015</b>	SeqNo:	<b>742950</b>	Units:	<b>mg/Kg</b>			
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	9.7		10.00		97.5	63.5	128			

Sample ID	<b>LCS-18351</b>	SampType:	<b>LCS</b>	TestCode:	<b>EPA Method 8015D: Diesel Range Organics</b>					
Client ID:	<b>LCSS</b>	Batch ID:	<b>18351</b>	RunNo:	<b>25073</b>					
Prep Date:	<b>3/26/2015</b>	Analysis Date:	<b>3/27/2015</b>	SeqNo:	<b>742951</b>	Units:	<b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	10	50.00	0	95.2	67.8	130			
Surr: DNOP	4.9		5.000		97.7	63.5	128			

### Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH Not In Range
- RL Reporting Detection Limit

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1503B87

01-Apr-15

Client: Pride Energy Company

Project: San Isidro # 6-16

Sample ID <b>MB-18355</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>PBS</b>	Batch ID: <b>18355</b>	RunNo: <b>25124</b>								
Prep Date: <b>3/26/2015</b>	Analysis Date: <b>3/27/2015</b>	SeqNo: <b>742102</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	910		1000		91.2	80	120			

Sample ID <b>LCS-18355</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>18355</b>	RunNo: <b>25124</b>								
Prep Date: <b>3/26/2015</b>	Analysis Date: <b>3/27/2015</b>	SeqNo: <b>742103</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	97.5	64	130			
Surr: BFB	990		1000		99.2	80	120			

### Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH Not In Range
- RL Reporting Detection Limit

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1503B87

01-Apr-15

Client: Pride Energy Company

Project: San Isidro # 6-16

Sample ID	MB-18355	SampType:	MBLK	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	PBS	Batch ID:	18355	RunNo:	25124					
Prep Date:	3/26/2015	Analysis Date:	3/27/2015	SeqNo:	742123	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.050								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		103	80	120			

Sample ID	LCS-18355	SampType:	LCS	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	LCSS	Batch ID:	18355	RunNo:	25124					
Prep Date:	3/26/2015	Analysis Date:	3/27/2015	SeqNo:	742124	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.050	1.000	0	110	76.6	128			
Toluene	1.1	0.050	1.000	0	106	75	124			
Ethylbenzene	1.0	0.050	1.000	0	104	79.5	126			
Xylenes, Total	3.1	0.10	3.000	0	103	78.8	124			
Surr: 4-Bromofluorobenzene	1.1		1.000		109	80	120			

## Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH Not In Range
- RL Reporting Detection Limit

**Sample Log-In Check List**

Client Name: **PRIDE ENERGY COMPA** Work Order Number: **1503B87** RcptNo: **1**

Received by/date: *[Signature]* **03/26/15**  
 Logged By: **Lindsay Mangin** **3/26/2015 7:00:00 AM** *[Signature]*  
 Completed By: **Lindsay Mangin** **3/26/2015 7:37:55 AM** *[Signature]*  
 Reviewed By: *[Signature]* **03/26/15**

**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° C to 6.0°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? Yes  No   
 (Note discrepancies on chain of custody)
- 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? Yes  No   
 (If no, notify customer for authorization.)

# 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:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	_____		
Client Instructions:	_____		

17. Additional remarks:

**18. Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.5	Good	Yes			

