

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

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

Form C-103
Revised July 18, 2013

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 ☐ OIL CONS. DIV DIST. 3		WELL API NO. 30-045-09256 5. Indicate Type of Lease STATE ☐ FEE ☒ 6. State Oil & Gas Lease No. 3130-01
2. Name of Operator Merrion Oil & Gas Corporation		7. Lease Name or Unit Agreement Name Ruby Corscot
3. Address of Operator 610 Reilly Ave, Farmington, NM 87401		8. Well Number #1
4. Well Location Unit Letter <u>C</u> : <u>790</u> feet from the <u>North</u> line and <u>1850</u> feet from the <u>West</u> line Section <u>25</u> Township <u>30N</u> Range <u>12W</u> NMPM County <u>San Juan</u>		9. OGRID Number 14634
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 5568'		10. Pool name or Wildcat Basin DK

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☒ PLUG AND ABANDON ☐
 TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
 PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
 DOWNHOLE COMMINGLE ☐
 CLOSED-LOOP SYSTEM ☐
 OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
 COMMENCE DRILLING OPNS. ☐ P AND A ☐
 CASING/CEMENT JOB ☐
 OTHER: ☐

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.

Merrion Oil & Gas plans to perform a MIT pending cost estimate and partner approval. Merrion will notify the NMOCD Aztec office prior to performing the MIT and any necessary remedial work that may need to be performed.

Please see the gas and water analysis performed.

Spud Date:

Rig Release Date:

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

SIGNATURE Philana Thompson TITLE Regulatory Compliance Specialist DATE 10/28/2014

Type or print name Philana Thompson E-mail address: pthompson@merrion.bz PHONE: 505-324-5336

For State Use Only

APPROVED BY: Deputy Oil & Gas Inspector TITLE DEPUTY OIL & GAS INSPECTOR DATE 12-4-14
 Conditions of Approval (if any): fy DISTRICT #2



2030 Afton Place
Farmington, NM 87401
(505) 325-6622

Analysis No: ME140003
Cust No: 52200-10150

Well/Lease Information

Customer Name: MERRION OIL & GAS CORP.
Well Name: RUBY CORSCOTT CSG
County/State: SAN JUAN
Location:
Field:
Formation: DAKOTA
Cust. Stn. No.:

Source: CASING
Pressure: 218 PSIG
Sample Temp: DEG. F
Well Flowing: Y
Date Sampled: 10/01/2014
Sampled By:
Foreman/Engr.:

Remarks:

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.472	0.0520	0.00	0.0046
CO2	1.595	0.2730	0.00	0.0242
Methane	83.164	14.1380	839.96	0.4606
Ethane	9.912	2.6580	175.41	0.1029
Propane	3.463	0.9570	87.13	0.0527
Iso-Butane	0.419	0.1370	13.63	0.0084
N-Butane	0.592	0.1870	19.31	0.0119
I-Pentane	0.101	0.0370	4.04	0.0025
N-Pentane	0.075	0.0270	3.01	0.0019
Hexane Plus	0.207	0.0930	10.91	0.0069
Total	100.000	18.5590	1153.40	0.6766

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.003
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1159.5
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1139.3
REAL SPECIFIC GRAVITY: 0.6784

GPM, BTU, and SPG calculations as shown
above are based on current GPA factors.

DRY BTU @ 14.650: 1153.2
DRY BTU @ 14.696: 1156.8
DRY BTU @ 14.730: 1159.5
DRY BTU @ 15.025: 1182.7

CYLINDER #: 6184
CYLINDER PRESSURE: 236 PSIG
DATE RUN: 10/2/14 10:52 AM
ANALYSIS RUN BY: JENNIFER DEAN



MERRION OIL & GAS CORP.
WELL ANALYSIS COMPARISON

Lease: RUBY CORSCOTT CSG
Stn. No.:
Mtr. No.:

CASING
DAKOTA

10/07/2014
52200-10150

Smpl Date: 10/01/2014
Test Date: 10/02/2014
Run No: ME140003

Nitrogen: 0.472
CO2: 1.595
Methane: 83.164
Ethane: 9.912
Propane: 3.463
I-Butane: 0.419
N-Butane: 0.592
I-Pentane: 0.101
N-Pentane: 0.075
Hexane+: 0.207

BTU: 1159.5
GPM: 18.5590
SPG: 0.6784



2030 Afton Place
Farmington, NM 87401
(505) 325-6622

Analysis No: ME140002
Cust No: 52200-10145

Well/Lease Information

Customer Name: MERRION OIL & GAS CORP.
Well Name: RUBY CORSCOTT BHD
County/State: SAN JUAN
Location:
Field:
Formation:
Cust. Stn. No.:

Source: BRADENHEAD
Pressure: 67 PSIG
Sample Temp: DEG. F
Well Flowing: Y
Date Sampled: 10/01/2014
Sampled By: TIM MERILATT
Foreman/Engr.:

Remarks:

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.511	0.0560	0.00	0.0049
CO2	0.004	0.0010	0.00	0.0001
Methane	83.347	14.1700	841.81	0.4617
Ethane	10.038	2.6920	177.64	0.1042
Propane	3.885	1.0730	97.75	0.0591
Iso-Butane	0.590	0.1940	19.19	0.0118
N-Butane	0.951	0.3010	31.02	0.0191
I-Pentane	0.271	0.0990	10.84	0.0068
N-Pentane	0.186	0.0680	7.46	0.0046
Hexane Plus	0.217	0.0970	11.44	0.0072
Total	100.000	18.7510	1197.14	0.6795

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0031
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1203.6
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1182.7
REAL SPECIFIC GRAVITY: 0.6814

GPM, BTU, and SPG calculations as shown
above are based on current GPA factors.

DRY BTU @ 14.650: 1197.1
DRY BTU @ 14.696: 1200.8
DRY BTU @ 14.730: 1203.6
DRY BTU @ 15.025: 1227.7

CYLINDER #: 7016
CYLINDER PRESSURE: 71 PSIG
DATE RUN: 10/2/14 10:40 AM
ANALYSIS RUN BY: JENNIFER DEAN



MERRION OIL & GAS CORP.
WELL ANALYSIS COMPARISON

Lease: RUBY CORSCOTT BHD
Stn. No.:
Mtr. No.:

BRADENHEAD

10/07/2014
52200-10145

Smpl Date: 10/01/2014
Test Date: 10/02/2014
Run No: ME140002

Nitrogen: 0.511
CO2: 0.004
Methane: 83.347
Ethane: 10.038
Propane: 3.885
I-Butane: 0.590
N-Butane: 0.951
I-Pentane: 0.271
N-Pentane: 0.186
Hexane+: 0.217

BTU: 1203.6
GPM: 18.7510
SPG: 0.6814



Analytical Report

Report Summary

Client: Merrion Oil & Gas

Chain Of Custody Number: 17850

Samples Received: 10/6/2014 10:32:00AM

Job Number: 03048-0009

Work Order: P410020

Project Name/Location: Ruby #1

Entire Report Reviewed By:

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

Tim Cain, Laboratory Manager

Date: 10/9/14

The results in this report apply to the samples submitted to Envirotech's Analytical Laboratory and were analyzed in accordance with the chain of custody document supplied by you, the client, and as such are for your exclusive use only. The results in this report are based on the sample as received unless otherwise noted. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc. If you have any questions regarding this analytical report, please don't hesitate to contact Envirotech's Laboratory Staff.



envirotech

Analytical Laboratory

Merrion Oil & Gas
610 Reilly Ave.
Farmington NM, 87401

Project Name: Ruby #1
Project Number: 03048-0009
Project Manager: C Merilatt

Reported:
09-Oct-14 14:50

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Ruby #1	P410020-01A	Aqueous	10/02/14	10/06/14	Plastic Drinking Water Bottle

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Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (505) 632-0615 Fx (505) 632-1865

Ph (970) 259-0615 Fr (800) 362-1879





Merrion Oil & Gas 610 Reilly Ave. Farmington NM, 87401	Project Name: Ruby #1 Project Number: 03048-0009 Project Manager: C Merilatt	Reported: 09-Oct-14 14:50
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Ruby #1
P410020-01 (Water)

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Cation/Anion Analysis									
pH @25°C	9.39		pH Units	1	1441006	10/06/14 13:41	10/06/14 13:41	EPA 150.1	
Electrical Conductivity	1680		umhos/cm	1	1441006	10/06/14 13:41	10/06/14 13:44	EPA 120.1	
Total Dissolved Solids	8320		mg/L	1	1441019	10/07/14	10/07/14	EPA 160.1	
Sodium Absorption Ratio	41.2		N/A	1	1441034	10/09/14	10/09/14	[CALC]	
Total Alkalinity as CaCO3	1380	10.0	mg/L	1	1441031	10/09/14	10/09/14	Hach Method 8203	
Total Hardness as CaCO3	28.0	0.07	mg/L		[CALC]	10/07/14	10/08/14	[CALC]	
Bicarbonate as CaCO3	1380	10.0	mg/L	1	1441031	10/09/14	10/09/14	Hach Method 8203	
Carbonate as CaCO3	ND	10.0	mg/L	1	1441031	10/09/14	10/09/14	Hach Method 8203	
Hydroxide as CaCO3	ND	10.0	mg/L	1	1441031	10/09/14	10/09/14	Hach Method 8203	
Nitrate-N	0.31	0.12	mg/L	1	1441008	10/06/14 14:50	10/06/14 18:10	EPA 300.0	H1
Nitrite-N	ND	0.12	mg/L	1	1441008	10/06/14 14:50	10/06/14 18:10	EPA 300.0	H1
Chloride	56.6	1.25	mg/L	1	1441008	10/06/14	10/06/14	EPA 300.0	
Fluoride	1.62	0.12	mg/L	1	1441008	10/06/14	10/06/14	EPA 300.0	
o-Phosphate	ND	0.62	mg/L	1	1441008	10/06/14 14:50	10/06/14 18:10	EPA 300.0	H1
Sulfate	14.9	1.25	mg/L	1	1441008	10/06/14	10/06/14	EPA 300.0	
Iron	1.83	0.01	mg/L	1	1441017	10/07/14	10/08/14	EPA 6010C	
Calcium	9.61	0.01	mg/L	1	1441017	10/07/14	10/08/14	EPA 6010C	
Magnesium	0.96	0.01	mg/L	1	1441017	10/07/14	10/08/14	EPA 6010C	
Potassium	6.76	0.01	mg/L	1	1441017	10/07/14	10/08/14	EPA 6010C	
Sodium	500	0.01	mg/L	1	1441017	10/07/14	10/08/14	EPA 6010C	

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Merrion Oil & Gas
610 Reilly Ave.
Farmington NM, 87401

Project Name: Ruby #1
Project Number: 03048-0009
Project Manager: C Merilatt

Reported:
09-Oct-14 14:50

Cation/Anion Analysis - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1441008 - Anion Extraction EPA 300.0

Blank (1441008-BLK1)

Prepared & Analyzed: 06-Oct-14

Nitrate-N	ND	0.10	mg/L
Nitrite-N	ND	0.10	"
Chloride	ND	1.00	"
Fluoride	ND	0.10	"
o-Phosphate	ND	0.50	"
Sulfate	ND	1.00	"

LCS (1441008-BS1)

Prepared & Analyzed: 06-Oct-14

Nitrate-N	4.59	0.10	mg/L	5.00	91.9	90-110
Nitrite-N	4.61	0.10	"	5.00	92.3	90-110
Chloride	46.9	1.00	"	50.0	93.7	90-110
Fluoride	4.63	0.10	"	5.00	92.6	90-110
o-Phosphate	23.7	0.50	"	25.0	94.6	90-110
Sulfate	45.4	1.00	"	50.0	90.8	90-110

Matrix Spike (1441008-MS1)

Source: P410020-01

Prepared & Analyzed: 06-Oct-14

Nitrate-N	9.41	0.20	mg/L	10.0	0.31	91.1	80-120	
Nitrite-N	9.09	0.20	"	10.0	ND	90.9	80-120	
Chloride	190	2.00	"	100	56.6	133	80-120	H1, SPK1
Fluoride	13.7	0.20	"	10.0	1.62	121	80-120	H1, SPK1
o-Phosphate	47.2	1.00	"	50.0	ND	94.5	80-120	
Sulfate	124	2.00	"	100	14.9	109	80-120	

Matrix Spike Dup (1441008-MSD1)

Source: P410020-01

Prepared & Analyzed: 06-Oct-14

Nitrate-N	9.51	0.20	mg/L	10.0	0.31	92.1	80-120	1.06	20	
Nitrite-N	9.25	0.20	"	10.0	ND	92.5	80-120	1.70	20	
Chloride	190	2.00	"	100	56.6	134	80-120	0.340	20	SPK1
Fluoride	13.8	0.20	"	10.0	1.62	122	80-120	0.610	20	SPK1
o-Phosphate	47.8	1.00	"	50.0	ND	95.6	80-120	1.14	20	
Sulfate	125	2.00	"	100	14.9	110	80-120	0.797	20	

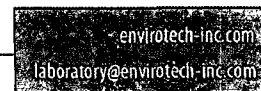
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Merrion Oil & Gas
610 Reilly Ave.
Farmington NM, 87401

Project Name: Ruby #1
Project Number: 03048-0009
Project Manager: C Merilatt

Reported:
09-Oct-14 14:50

Notes and Definitions

SPK1 The spike recovery for this QC sample is outside of control limits.

H1 Sample was received after regulatory hold-time exceeded for target analyte.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

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CHAIN OF CUSTODY RECORD

17850

Client: <i>Merriam Oil & Gas</i>			Project Name / Location: <i>Ruby #1</i>			ANALYSIS / PARAMETERS													
Email results to: <i>Cmerilatt@merriam-oil.com</i>			Sampler Name: <i>Tim Merilatt</i>			TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	CO Table 910-1	TPH (418.1)	CHLORIDE			Sample Cool	Sample Intact
Client Phone No.:			Client No.: <i>03048-0009</i>																
Sample No./ Identification	Sample Date	Sample Time	Lab No.	No./Volume of Containers	Preservative														
					HNO ₃	HCl													
<i>Ruby #1</i>	<i>10-2-14</i>	<i>7:30 AM</i>	<i>PH0020-01</i>	<i>1-1602</i>															
Relinquished by: (Signature) <i>[Signature]</i>					Date <i>10/6/14</i>	Time <i>10:32</i>	Received by: (Signature) <i>[Signature]</i>					Date <i>10/6/14</i>	Time <i>10:32</i>						
Relinquished by: (Signature)							Received by: (Signature)												
Sample Matrix Soil ☐ Solid ☐ Sludge ☐ Aqueous ☒ Other ☐																			
☐ Sample(s) dropped off after hours to secure drop off area.																			



12.3

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