Submit 1 Copy To Appropriate District	State of N	Waying	Form C 102
Office	Energy Minerals on	d Notural Pasauraas	Revised July 18, 2013
<u>District I</u> – (575) 393-6161 1625 N. French Dr., Hobbs, NM 88240 District II – (575) 748-1283	Energy, Minerals an	d Natural Resources	WELL API NO. 20.045.06772
$\frac{1050100111}{100000000000000000000000000$	OIL CONSERVA	TION DIVISION	5 Indicate Type of Lease
District III – (505) 334-6178	1220 South S	t. Francis Dr.	STATE FEE
District IV $-(505)$ 476-3460	Santa Fe, 1	NM 87505	6. State Oil & Gas Lease No.
1220 S. St. Francis Dr., Santa Fe, NM 87505			
SUNDRY NOT	ICES AND REPORTS ON V	WELLS	7. Lease Name or Unit Agreement Name
(DO NOT USE THIS FORM FOR PROPO DIFFERENT RESERVOIR. USE "APPLIC DROPOSALS.)	SALS TO DRILL OR TO DEEPEN CATION FOR PERMIT" (FORM C	NOR PLUG BACK TO A C-101) FOR SUCH	J Q MARSHALL 001
1. Type of Well: Oil Well	Gas Well 🛛 Other		8. Well Number 001
2. Name of Operator			9. OGRID Number
Enduring Resources			372286
200 Energy Court Farmington, NM	1 87401		BLANCO PC SOUTH
4. Well Location			
Unit Letter N : 9	90 feet from the S	line and 1650 fe	eet from the W line
Section 1	Fownship 27N Rai	nge 09W N	IMPM County SAN JUAN
	11. Elevation (Show wheth	her DR, RKB, RT, GR, etc.,	
	5967		
12. Check A	Appropriate Box to Indi	cate Nature of Notice,	Report or Other Data
		SUB	SEQUENT REPORT OF
	PLUG AND ABANDON	REMEDIAL WOR	
	CHANGE PLANS [
PULL OR ALTER CASING	MULTIPLE COMPL	CASING/CEMEN	Т ЈОВ 🗌
			_
CLOSED-LOOP SYSTEM			
OTHER: Stop quarterly BH water	testing	OTHER:	
 Describe proposed or comp of starting any proposed we proposed completion or rec 	leted operations. (Clearly st ork). SEE RULE 19.15.7.14 completion.	ate all pertinent details, an NMAC. For Multiple Con	d give pertinent dates, including estimated date mpletions: Attach wellbore diagram of
Enduring Resources IV LLC reques	ts the cessation of water testi	ing on the JQ Marshall 1 at	ter successfully passing one quarterly test and
seven quarterly test attempts with no of the Bradenhead program.	pressure and no water over	the span of two years. The	is well was monitored by the NMOCD as part
Sampling schedule with results and	lab analysis report are attach	ed.	
		and the second se	NMOCD
			(((((((((((((((((((
			JAN 3 U ZUZU
# If water is encountered	d during regular Bi	radenhead testing	ISTRICT III
Collect a sample			A CONTRACTOR OF CONTRACTOR
1/22/1953			
Spud Date:	Rig Rel	ease Date:	
Lhereby certify that the information	above is true and complete t	to the best of my knowledge	e and belief
Thereby certify that the information	above is true and complete t	o the best of my knowledg	, and bener.
SIGNATURE	-It- TITLI	E Permitting Technician	DATE 1/28/2020
Type or print name Heather Hunting	ton E-mail address: hh	untington@enduringresou	rces.com PHONE: 505-636-9751
For State Use Only	01		7 1
APPROVED BY: DICL	FIR TITLE.	Dist. III Sun	DATE 3/24/20
Conditions of Approval (if any):	R		

1

J Q Marshall #1 Bradenhead	Water Sampling
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Date	Benzene	Toluene	Ethyl	Toyal Xylene	
Sampled	(ppb)	(ppb)	Benzene (ppb)	(ppb)	Comments
NA	10	750	750	620	WQCC STANDARDS
9/26/2017	20	60	8	60	
12/8/2017	NA	NA	NA	NA	Not enough water to sample
1/17/2018	3.07	11	1.45	11.3	slow flow. Barely enough water to sample. Slow drip. Only one voa collected.
5/9/2018	NA	NA	NA	NA	Not enough water to sample
9/20/2018	NA	NA	NA	NA	NO WATER
11/27/2018	ŅA	NA	NA	NA	NO WATER
3/19/2019	NA	NA	NA	NA	Not enough water to sample
6/18/2019	NA	NA	NA	NA	No pressure, No water to sample
9/20/2019	NA	NA	NA	NA	No pressure, No water to sample
12/12/2019	NA	NA	NA	NA	No pressure, No water to sample

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ANALYTICAL REPORT

January 26, 2018



Enduring Resources

Sample Delivery Group:	L964339
Samples Received:	01/19/2018
Project Number:	
Description:	JQ Marshall #1
Site:	JQ MARSHALL #1
Report To:	James McDaniel
	332 County Road 3100
	Aztec, NM 87410

Entire Report Reviewed By: Napline & Richardf

Daphne Richards Technical Service Representative

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.



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Cp ²Tc ³Ss ⁴Cn ⁵Sr ⁶Qc ⁷Gl ⁹Sc

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ACCOUNT: Enduring Resources PROJECT:

SDG: L964339 DATE/TIME: 01/26/18 09:47 PAGE: 2 of 9

SAMPLE SUMMARY

ONE LAB. NATIONWIDE.

BRADENHEAD WATER L964339-01 GW			Collected by James McDaniel	Collected date/time 01/17/18 13:24	Received date/time 01/19/18 08:45
Method	Batch	Dilution	Preparation	Analysis	Analyst
			date/time	date/time	
Volatile Organic Compounds (GC) by Method 8021B	WG1065019	1	01/22/18 20:40	01/22/18 20:40	ACE



CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All radiochemical sample results for solids are reported on a dry weight basis with the exception of tritium, carbon-14 and radon, unless wet weight was requested by the client. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

lapline R Richards

Daphne Richards Technical Service Representative

SAMPLE RESULTS - 01

Volatile Organic Compounds (GC) by Method 8021B

	Result	Qualifier	RDL	Dilution	Analysis	Batch
Analyte	mg/l		mg/l		date / time	
Benzene	0.00307		0.000500	1	01/22/2018 20:40	WG1065019
Toluene	0.0110		0.00100	1	01/22/2018 20:40	WG1065019
Ethylbenzene	0.00145		0.000500	1	01/22/2018 20:40	WG1065019
Total Xylene	0.0113		0.00150	1	01/22/2018 20:40	WG1065019
(S) a,a,a-Trifluorotoluene(PID)	101		80.0-121		01/22/2018 20:40	WG1065019

-

WG1065019

Volatile Organic Compounds (GC) by Method 8021B

QUALITY CONTROL SUMMARY

Tc

Ss

Cn

Sr

Qc

GI

A

Sc

Method Blank (MB)

(MB) R3281289-3 01/22/1	8 17:01			
	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Benzene	U		0.000190	0.000500
Toluene	U		0.000412	0.00100
Ethylbenzene	U		0.000160	0.000500
Total Xylene	U		0.000510	0.00150
(S) a,a,a-Trifluorotoluene(PID)	102			80.0-121

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3281289-1 01/22/18	15:51 • (LCSD)	R3281289-2 (01/22/18 16:14							
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	%	%	%			%	%
Benzene	0.0500	0.0435	0.0443	86.9	88.7	71.0-121			1.96	20
Toluene	0.0500	0.0440	0.0445	88.1	89.0	72.0-120			1.04	20
Ethylbenzene	0.0500	0.0447	0.0457	89.4	91.4	75.0-122			2.22	20
Total Xylene	0.150	0.136	0.138	90.4	92.0	74.0-124			1.75	20
(S) a,a,a-Trifluorotoluene(PID)				102	102	80.0-121				

L964323-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L964323-01 01/22/18 23:47 • (MS) R3281289-4 01/23/18 00:10 • (MSD) R3281289-5 01/23/18 00:33												
	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	mg/I	%	%		%			%	%
Benzene	0.0500	0.00214	0.0315	0.0320	58.8	59.8	1	29.0-146			1.47	20
Toluene	0.0500	ND	0.0311	0.0318	62.2	63.6	1	35.0-140			2.19	20
Ethylbenzene	0.0500	0.00423	0.0414	0.0431	74.3	77.7	1	39.0-143			4.02	20
Total Xylene	0.150	0.0133	0.127	0.133	75.9	79.6	1	42.0-142			4.23	20
(S) a,a,a-Trifluorotoluene(PID)					101	101		80.0-121				

GLOSSARY OF TERMS

Ss

Cn

Sr

Qc

AI

Sc



The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Abbreviations and Definitions

MDL	Method Detection Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.
Qualifier	Description
Qualifier	Description

The remainder of this page intentionally left blank, there are no qualifiers applied to this SDG.

ACCREDITATIONS & LOCATIONS

ESC Lab Sciences is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE. * Not all certifications held by the laboratory are applicable to the results reported in the attached report.

State Accreditations

Alabama	40660	Nevada	TN-03-2002-34
Alaska	UST-080	New Hampshire	2975
Arizona	AZ0612	New Jersey-NELAP	TN002
Arkansas	88-0469	New Mexico	TN00003
California	01157CA	New York	11742
Colorado	TN00003	North Carolina	Env375
Connecticut	PH-0197	North Carolina 1	DW21704
Florida	E87487	North Carolina ²	41
Georgia	NELAP	North Dakota	R-140
Georgia 1	923	Ohio-VAP	CL0069
Idaho	TN00003	Oklahoma	9915
Illinois	200008	Oregon	TN200002
Indiana	C-TN-01	Pennsylvania	68-02979
lowa	364	Rhode Island	221
Kansas	E-10277	South Carolina	84004
Kentucky 1	90010	South Dakota	n/a
Kentucky ²	16	Tennessee 14	2006
Louislana	AI30792	Texas	T 104704245-07-TX
Maine	TN0002	Texas ⁵	LAB0152
Maryland	324	Utah	6157585858
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	109
Minnesota	047-999-395	Washington	C1915
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA
Nebraska	NE-OS-15-05		

Third Party Federal Accreditations

A2LA - ISO 17025	1461.01	AIHA-LAP,LLC	100789
A2LA - ISO 17025 5	1461.02	DOD	1461.01
Canada	1461.01	USDA	S-67674
EPA-Crypto	TN00003		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold n/a Accreditation not applicable

Our Locations

ESC Lab Sciences has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. ESC Lab Sciences performs all testing at our central laboratory.



PAGE:

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	Billing Information			T	1		Analysis /	Containe	r / Preservative	And the second se	Chain of Custod	y Page_of_	
Enduring Resources	James McDanie	el		Pres	AN						MA I		
332 County Road 3100 Aztec, NM 87410	332 County Roa Aztec, NM 8741	332 County Road 3100 Aztec, NM 87410			MP.	~							
Report to: James McDaniel Project Description: JQ Macshall #1	Email To: Jem c dani Crity/St. Collect	iel @ 1 ate Blau	endurine resources nco /M	M							12065 Lebanon Re Mount Juliet, TN 3 Phone: 615-758-5 Phone: 800-767-5 Fax: 615-758-5858		
Phone: 505-636-9731 Client Project #	Lab Pro	oject #	-								u 460 G13	1339	
Collected by (print): James McDajel JQ March Collected by signature): Parthediately Packed on Ice N Y Z Three Day	bk/1 #1 P.O. # Be Notified) ve Day Day (Rad Only) I Day (Rad Only)	e #	rs Needed	No. of	TEX (Scal						Acctnum: EN Template: Prelogin: TSR: 288 - Day P8: Shipped Via:	DRESANM	
Sample ID Comp/Grab Matrix	Depth D	Date	Time		20						Remarks	Sample # (Sab orig	
Bradenhead Water Grat Gn	1 - 1/1	7/18	15-19	++	X	1999 1999 1999						-11	
				-		155							
								200					
					1999	ST Star							
										1997 - 19			
				-		10,000							
			Web in the second s	1		1000			Carlos Carlos				
Matrix: Remarks: SS - Soil AIR - Air F - Filter GM - Groundwater GW - Groundwater B - Bioassay WW - WasteWater GM - Groundwater DW - Drinking Water Samples returned via: OT - Other UPS	atle to coll enough n	lect o rater Trac	ching # U	A. A.	10t 63	26	PH Flow	GI	Temp	COC S COC 3 Bottle Corra Suffle	Sample Receipt C cel Present/Inter igned/Accurates: es atrive intact: ct bottles used: clent volume sent <u>If Applica</u>	hecklist Alls	
Relinquisted to the nature	3/18 0521	8 Rec	eived by: (Signa	iture)			Trip Blan	k Receive	d: Yes No HCL/Mean TBR	Prese	rvation Correct/Cl	ecked: _Y	
Relinquished by : (Signature) Date.	Time:	Time: Received by: (Signature)			11-		Temp: C Bottles Received:			If presi	If preservation required by Login: Date/Time		
Relinquished by : (Signature) Date:	Time:	Reg	Aved for lab by	(Signa	ture)	59	Date:	19-1	J'me SI IE	Hold:		Condition	