

RECEIVED

Form 3160-5  
(March 2012)UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

MAY 22 2017

FORM APPROVED  
Budget Bureau No. 1004-0137  
Expires March 31, 2014

## SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well.  
Use Form 3160-3 (APD) for such proposals

SUBMIT IN TRIPLICATE - Other instructions on page 2.

## 1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

OIL CONS. DIV DIST. 3

## 2. Name of Operator

Synergy Operating, LLC (OGRID # 163458)

JUN 05 2017

## 3a. Address

PO Box 5513  
Farmington, NM 87499

## 3b. Phone No. (include area code)

(505) 325-5549

## 4. Location of Well (Footage, Sec, T. R., M, or Survey Description)

Unit J, 1810' FSL, 1950' FEL, Sec 05, T21N - R07W

## 5. Lease Serial No.

NMNM-99735

## 6. If Indian, Allottee or Tribe Name

## 7. If Unit or CA/Agreement, Name and/or No.

## 8. Well Name and No.

Synergy 21-7-5 # 142

## 9. API Well No.

30-043-21036

## 10. Field and Pool, or Exploratory

Basin Fruitland Coal

## 11. County or Parish, State

Sandoval County, New Mexico

## 12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

## TYPE OF SUBMISSION

## TYPE OF ACTION

- ☐ Notice of Intent
- ☒ Subsequent Report
- ☐ Final Abandonment Notice

- ☒ Acidize
- ☐ Alter Casing
- ☐ Casing Repair
- ☐ Change Plans
- ☐ Convert to Injection
- ☐ Deepen

- ☐ Fracture Treat
- ☐ New Construction
- ☐ Plug & Abandon
- ☐ Plug Back
- ☐ Production (Start/Resume)
- ☐ Reclamation

- ☒ Recomplete
- ☐ Temporary Abandon
- ☐ Water Disposal
- ☐ Water Shut-Off
- ☐ Well Integrity
- ☐ Other: \_\_\_\_\_

13. Describe Proposed or Completed Operations: (Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with the BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleation in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

NOTIFIED BOTH BLM AND NMOCD PRIOR TO PERFORMING MIT TESTS

04-20-2017 MIRU TESTING UNIT, WITH BOTH ANALOG CHART RECORDER AND DIGITAL CHART RECORDER. CIBP @ 725' PRESSURE TEST 5-1/2" CASING TO 594 PSIG FOR 30 MINUTES. TEST WITNESSED BY BLM AND NMOCD PERSONNEL. MIT TEST PASSED. RD TESTING EQUIPMENT. SEE ATTACHED WELLBORE DIAGRAM AND CHARTS.

PER IM - NM-2016-017, SYNERGY RESPECTFULLY REQUESTS TEMPORARY ABANDONED (TA) STATUS FOR A PERIOD OF ONE YEAR TO BE RENEWED ANNUALLY FOR UP TO FIVE YEARS BEFORE MECHANICAL INTEGRITY MUST BE REDEMONSTRATED.

TA APPROVAL IS REQUESTED BECAUSE OF LOW NATURAL GAS COMMODITY PRICES AND WAITING ON PIPELINE. APPROVAL IS REQUESTED UNTIL MAY 15, 2018.

## 14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)

THOMAS E. MULLINS tom.mullins@synergyoperating.com

Title ENGINEERING MANAGER

Signature

Date MAY 20, 2017

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

JUN 01 2017

Date

Conditions of approval, if any are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

FARMINGTON FIELD OFFICE  
BY: [Signature]

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

NMOCD



NEW MEXICO ENERGY, MINERALS and  
NATURAL RESOURCES DEPARTMENT

MECHANICAL INTEGRITY TEST REPORT

(TA OR UIC)

Date of Test 4/20/2017 Operator Synergy API # 30-043-21036

Property Name Synergy 27-7-5 Well # 142 Location: Unit 5 Sec 5 Twn 21 Rge 7

Land Type:

State \_\_\_\_\_  
Federal X  
Private \_\_\_\_\_  
Indian \_\_\_\_\_

Well Type:

Water Injection \_\_\_\_\_  
Salt Water Disposal \_\_\_\_\_  
Gas Injection \_\_\_\_\_  
Producing Oil/Gas X  
Pressure observation \_\_\_\_\_

Temporarily Abandoned Well (Y/N): \_\_\_\_\_ TA Expires: \_\_\_\_\_

Casing Pres. 2.3  
Crownhead Pres. D  
Tubing Pres. NA  
Int. Casing Pres. NA

Tbg. SI Pres. NA  
Tbg. Inj. Pres. NA

Max. Inj. Pres. NA

Pressured annulus up to 594 psi. for 30 mins. Test passed/failed

REMARKS: 1000 lbs spring, 1 hr clock, 24 hr 1000 lbs chart. Bled down to 0 psi, pressured up to 594, 5 min 593 psi BH D psi, 10 min 592 psi BH D psi, 15 min 592 psi BH D psi, 20 min 592 psi BH D psi, 25 min 591 psi BH D psi, 30 min 591 psi BH D psi, bled back to 0 psi.

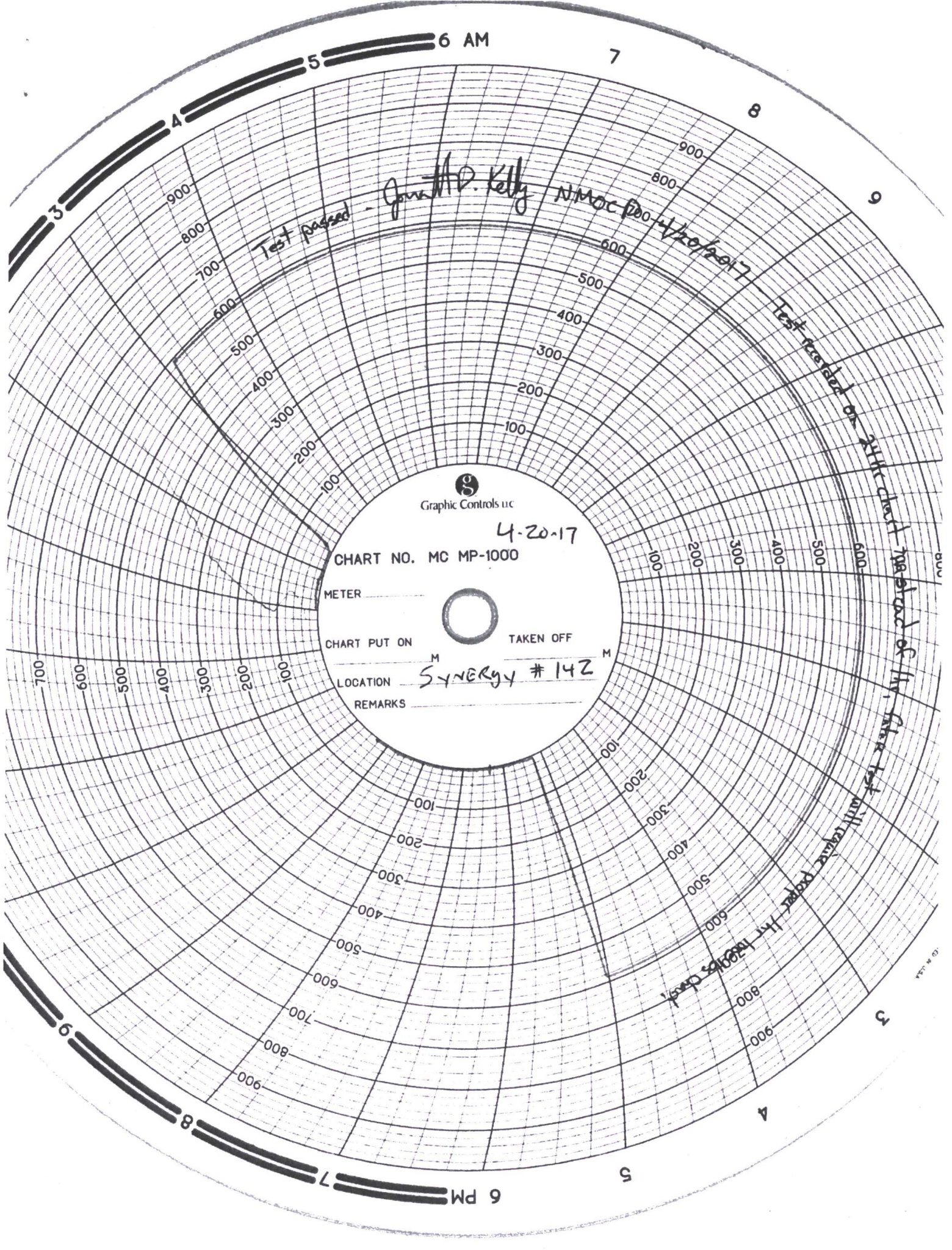
by Thomas Mullins  
(Operator Representative)

Witness James D. Kelly  
(NMOCD)

(Position)

Revised 02-11-02





Graphic Controls Inc

4-20-17

CHART NO. MC MP-1000

METER

CHART PUT ON

TAKEN OFF

LOCATION

SYNERGY #142

REMARKS

Test passed - John H. Kelly NMOC 100-4/20/2017

Test passed on 2nd chart instead of 1st, after test will require paper for 1000's chart

6 PM

6 AM

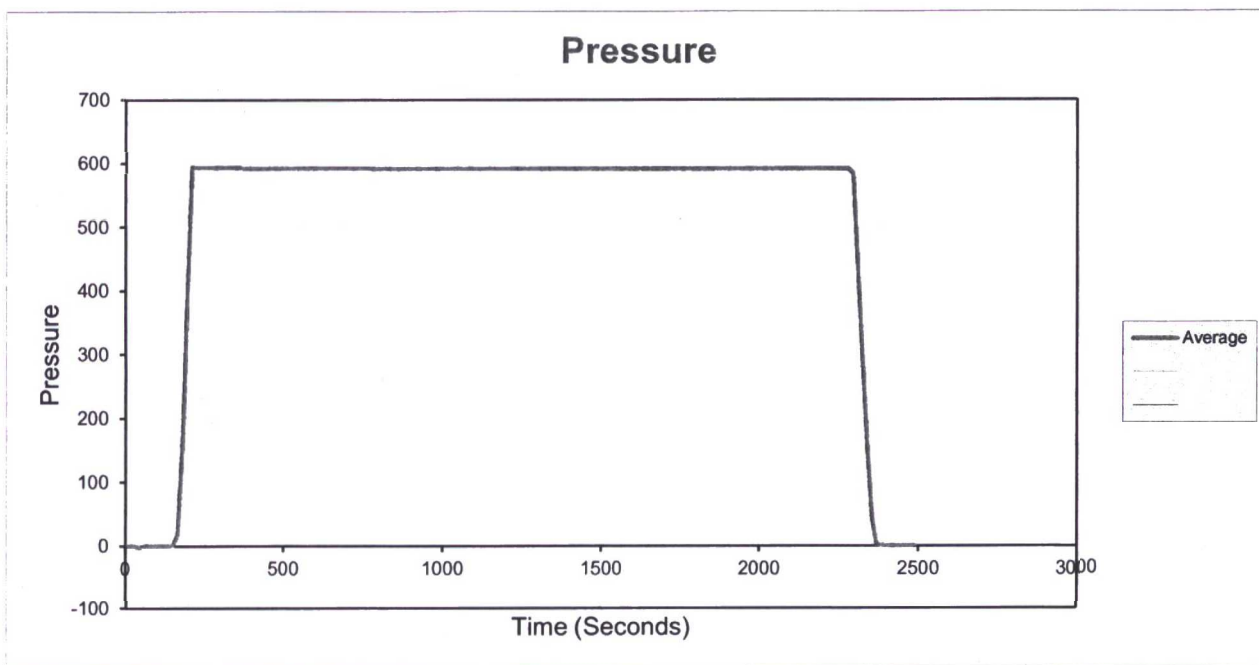


SYNERGY # 142

## Data Collection Report

Gauge Information	
Serial Number	649601
Model	2KPSIXP2I
Message Store	-----
Units	PSI

Run Info	
Start Time	4/20/17 1:24:42 PM
Stop Time	4/20/17 2:06:27 PM
Logging Interval	15



# MESA

## MEASUREMENT

## Certificate of Calibration

11892

Page 1

Synergy Operating, LLC  
PO Box 5513  
Farmington, NM 87499

### Customer Information

Tech: Tom Mullins  
PO #: CC  
Account #: SO115

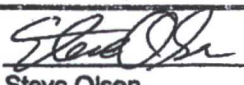
### Instrument Identification

Description: Digital Test Gauge  
Manufacture: Crystal  
Accuracy: Manufacture's Specifications

Model: 2KPSIXP2i  
Serial #: 649601

### Certification Information

Reason For Service: Maintenance of Accuracy  
Type Of Calibration: Hydraulic Gauge  
As Found Condition: In Tolerance  
As Left Condition: In Tolerance  
Procedure: 1000898

Attested By:   
Technician: Steve Olsen  
Cal Date: 07-Nov-2016  
Cal Due: 07-Nov-2017  
Temperature: 23 +/- 3.0° C  
Relative Humidity: 20% - 60%

Technician Remarks: Previous calibration by Crystal on 05/03/2006

*This instrument has been calibrated using standards with accuracies traceable to the National Institute of Standards and Technology, derived from natural physical constants, derived from ratio measurements, or compared consensus standards.*

*MESA MEASUREMENT's calibrations, as applicable, are performed in compliance with the requirements of ANSI/NCCL Z540-1-1994, ISO 10012-1 & ISO/IEC 17025 Quality Standards.*

*The results contained herein relate only to the item calibrated. Calibration due dates appearing on the Certificate of Calibration and label are determined by the client for administrative purposes and do not imply continued conformance to specification.*

### Calibration Data

Range	: 0 to 2000 PSIG
Stated Accuracy	: +/- 0.1% of R or 0.02% of F.S, whichever is greater

Standard	: RPM4-E-DWT
Serial No.:	: 2439

Step	Reference's Indicated Value	As Found Gauge's Reading	As Left Gauge's Reading	Acceptance Minimum	Limits Maximum
1	0.00	0.0	0.0	-0.4	0.4
2	2000.00	1998.3	2000.0	1998.0	2002.0
3	1800.00	1798.3	1800.0	1798.2	1801.8
4	1600.00	1598.5	1600.0	1598.4	1601.6
5	1400.00	1398.6	1400.0	1398.6	1401.4
6	1200.00	1198.9	1200.0	1198.8	1201.2
7	1000.00	999.0	1000.0	999.0	1001.0
8	800.00	799.2	800.0	799.2	800.8
9	600.00	599.4	600.0	599.4	600.6
10	400.00	399.6	400.0	399.6	400.4
11	200.00	199.6	200.0	199.6	200.4
1	0.00	0.0	0.0	-0.4	0.4
Multiplier:		1.00000	1.00093		

Technician Remarks: New batteries were installed.

**SYNERGY 21-7-5 # 142**  
 Unit J, Section 05-T21N-R07W  
 1810' FSL, 1950' FEL  
 6708' GL, 7' KB

Steve & Son Rig # 1 Spud: 06/01/09  
 Completed: 11/11/09

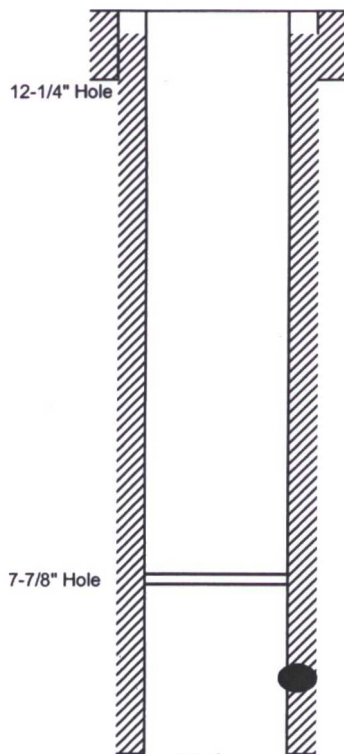
**API # 030-043-21036**

36.07855 deg North, 107.59733 deg West

**8-5/8" 24# K-55 Casing @ 132' w/ 70 sxs**  
**Circulated 5 bbls cement to surface**

**Dev Surveys**

238' 1.00  
 931' 1.00



**5-1/2" CIBP @ 725'**

**Fruitland Coal Perforations**  
 740' to 758' (80 holes)

**5-1/2" 15.5# K-55 LT&C Casing @ 952', w/ 236 sxs (328 ft3) Type III cement @ 14.6 ppg**  
**Good Circulation, Circulate 20 bbls to surface**

PBTB: 899'  
 TD: 959'

**Formation Tops**

San Jose	
Nacimiento	
Ojo Alamo	
Kirtland	168'
Fruitland	436'
Pict Cliffs	788'
TD:	959'

**Formation Name: Fruitland Coal**

06-29-2009 MIRU Jet West, Run GR-CNL-CCL.

11-11-2009 MIRU PACE, Pressure Test 5-1/2" casing 500# 30 mins, 1200# for 2 mins, chart tests

RU Blue Jet. Correlate logs. Perforate Fruitland Coal 740' to 758' (18') with 80 holes in 2 - 10' guns 4 SPF

02-24-2017 MIRU Basin Perforators. SICP = 0#, Blow down. RIH and set CIBP @ 725' to isolate perforations.

03-15-2017 Load 5-1/2" casing from surface. Test casing to 50#.

04-20-2017 MIRU Testing unit. Perform witnessed MIT test on 5-1/2" casing to 594# for 30 mins, chart tests.

Performed witness bradenhead test. Well Secure.

Specialty Logs, Misc  
 none

Open Hole Logs (Jet West)  
 None

Cased Hole Logs (Jet West)  
 GR-CNL-CCL (06-29-2009)

Thomas E. Mullins  
 May 20, 2017