

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

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 21-7-8 # 132

9. API Well No.

30-043-21032

10. Field and Pool, or Exploratory

Basin Fruitland Coal

11. County or Parish, State

Sandoval County, New Mexico

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 D, 830' FNL, 970' FWL, Sec 08, T21N - R07W
320 Acres (W/2)

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

TYPE OF SUBMISSION

☐

Notice of Intent

☒

Subsequent Report

☐

Final Abandonment Notice

BP

TYPE OF ACTION

☒

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 recomplete 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 recompletion 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 @ 632' PRESSURE TEST 5-1/2" CASING TO 632 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

ACCEPTED FOR RECORD

Title

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

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

6



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

MECHANICAL INTEGRITY TEST REPORT (TA OR UIC)

Date of Test 4/20/2017 Operator Synergy API # 30-043-21032

Property Name Synergy 21-7-8 Well # 132 Location: Unit D Sec 8 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. D
Wellhead 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 632 psi for 30 mins. Test passed/failed

REMARKS: 1000 lbs spring, 1hr clock, 24hr 1000 lbs check, start @ 0 psi, pressured up to 632 psi.
5 min 631 psi BHT 0 psi, 10 min 631 psi BHT 0 psi, 15 min 631 psi BHT 0 psi, 20 min 631 psi
BHT 0 psi, 25 min 631 psi BHT 0 psi, 30 min 631 psi BHT 0 psi, bleed back to 0 psi.

Bridge Plug set @ 632 ft.

y Thomas Mullins
(Operator Representative)

Witness Jon D. Kelly
(NMOCD)

(Position)

Revised 02-11-02

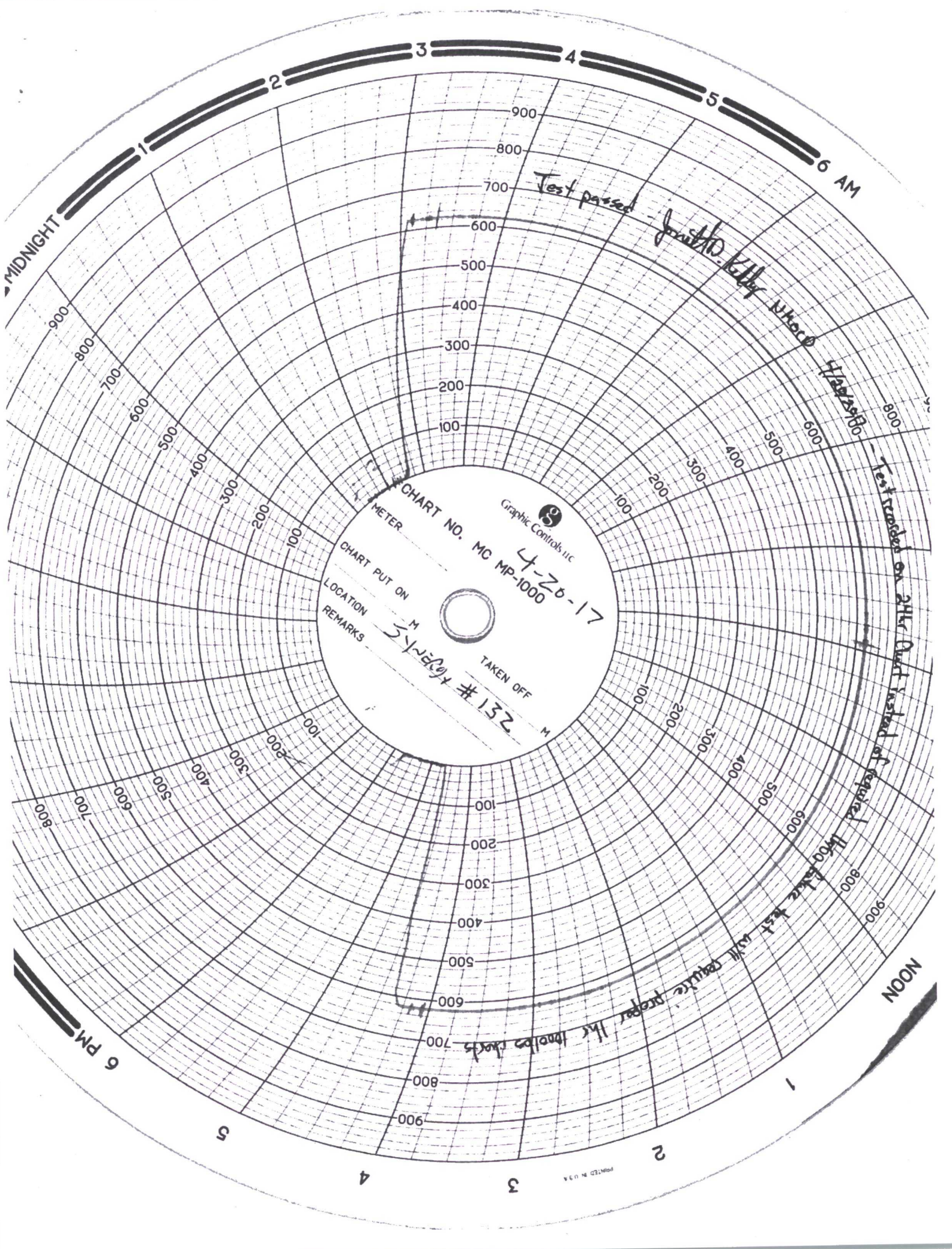


CHART NO. MC MP-1000
METER
CHART PUT ON
LOCATION
REMARKS
TAKEN OFF

Graphic Controls Ltd

4-20-17

5-1-132

M

MIDNIGHT

6 AM

NOON

6 PM

PRINTED IN U.S.A.

Test passed

Jonathan Kelly

Harcourt

Harcourt

Test passed on 24th Oct instead of required 14th Oct

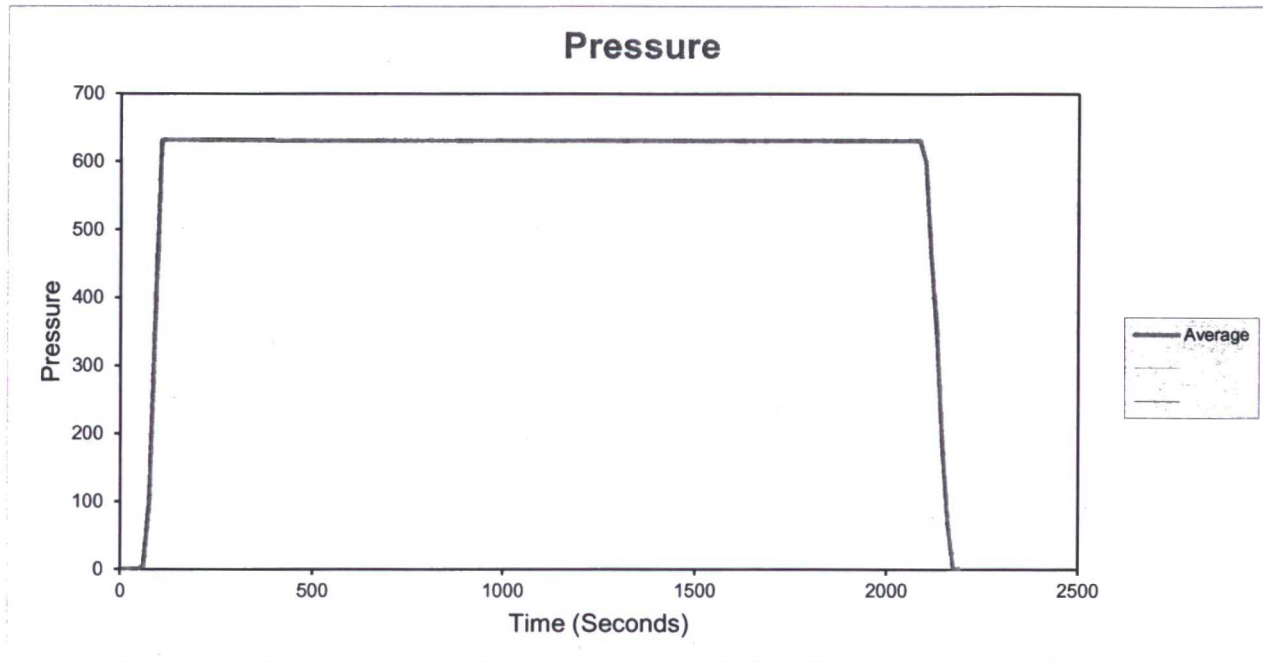
The test will require proper the labels check

SYNERGY # 132

Data Collection Report

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

Run Info	
Start Time	4/20/17 10:35:34 AM
Stop Time	4/20/17 11:12:19 AM
Logging Interval	15



MESA

MEASUREMENT

Certificate of Calibration

11892

Page 1

Customer Information

Synergy Operating, LLC
PO Box 5513
Farmington, NM 87499

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/NCSL 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 # 132

SYNERGY 21-7-8 # 132

Unit D, Section 08-T21N-R07W
830' FNL, 970' FWL
6653' GL, 7' KB

Steve & Son Rig # 1 Spud: 06/03/08
Completed: 11/11/09

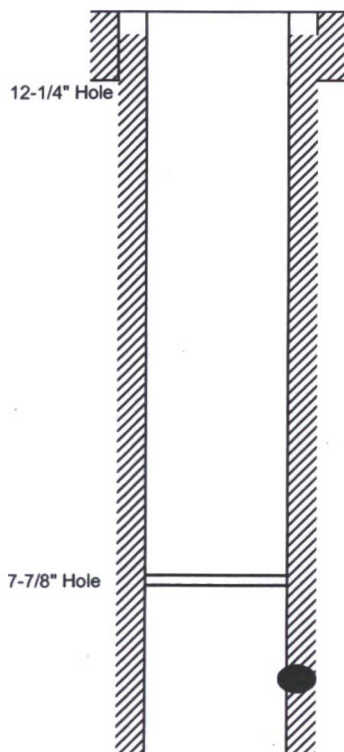
API # 030-043-21032

36.07133 deg North, 107.60521 deg West

8-5/8" 24# K-55 Casing @ 132' w/ 95 sxs
Circulated 8 bbls cement to surface

Dev Surveys

205' 1.00
832' 1.00



5-1/2" CIBP @ 632'

Fruitland Coal Perforations
652' to 672' (80 holes)

5-1/2" 15.5# K-55 LT&C Casing @ 850', w/ 79 sxs (162.7 ft3) Lead Type 5 cement @ 12.5 ppg
tail with 59 sxs (77.9 ft3) Type 5 @ 14.8 ppg. Good Circulation, Circulate 20 bbls to surface

PBTD: 790'
TD: 852'

Formation Tops

San Jose	
Nacimiento	
Ojo Alamo	
Kirtland	128'
Fruitland	310'
Pict Cliffs	716'
TD:	852'

Formation Name: Fruitland Coal

06-29-2009 MIRU Jet West, Run GR-CCL. Correlate with OH Logs

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 652' to 672' (20') with 80 holes in 2 - 10' guns 4 SPF

02-24-2017 MIRU Basin Perforators. SICP = 0#, Blow down. RIH and set CIBP @ 632' 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 632# for 30 mins, chart tests.

Performed witness bradenhead test. Well Secure.

Specialty Logs, Misc

none

Open Hole Logs (Jet West)

GR-Density-Caliper
(06-07-2008)

Cased Hole Logs (Jet West)

GR-CCL (06-29-2009)

Thomas E. Mullins

May 20, 2017