



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1096700  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

Form must be Typed  
Form must be Signed  
All blanks must be Filled

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_

Purchaser: \_\_\_\_\_

Designate Type of Completion:

- New Well       Re-Entry       Workover
- Oil       WSW       SWD       SIOW
- Gas       D&A       ENHR       SIGW
- OG       GSW       Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic       Other (Core, Expl., etc.): \_\_\_\_\_

If Workover/Re-entry: Old Well Info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

- Deepening       Re-perf.       Conv. to ENHR       Conv. to SWD
- Plug Back       Conv. to GSW       Conv. to Producer
- Commingled      Permit #: \_\_\_\_\_
- Dual Completion      Permit #: \_\_\_\_\_
- SWD      Permit #: \_\_\_\_\_
- ENHR      Permit #: \_\_\_\_\_
- GSW      Permit #: \_\_\_\_\_

|                                   |                 |   |
|-----------------------------------|-----------------|---|
| Spud Date or<br>Recompletion Date | Date Reached TD | Completion Date or<br>Recompletion Date |
|-----------------------------------|-----------------|---|

API No. 15 - \_\_\_\_\_

Spot Description: \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE       NW       SE       SW

GPS Location: Lat: \_\_\_\_\_, Long: \_\_\_\_\_  
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum:  NAD27       NAD83       WGS84

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Vertical Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: \_\_\_\_\_

feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Drilling Fluid Management Plan

*(Data must be collected from the Reserve Pit)*

Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

Location of fluid disposal if hauled offsite:

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

- Confidentiality Requested  
Date: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_



1096700

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**INSTRUCTIONS:** Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

|   |  |                              |                                  |                                 |
|---|--|------------------------------|----------------------------------|---------------------------------|
| Drill Stem Tests Taken<br><i>(Attach Additional Sheets)</i> | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Log | Formation (Top), Depth and Datum | <input type="checkbox"/> Sample |
| Samples Sent to Geological Survey                           | <input type="checkbox"/> Yes <input type="checkbox"/> No | Name                         | Top                              | Datum                           |
| Cores Taken   | <input type="checkbox"/> Yes <input type="checkbox"/> No |                              |                                  |                                 |
| Electric Log Run  | <input type="checkbox"/> Yes <input type="checkbox"/> No |                              |                                  |                                 |
| List All E. Logs Run:                                       |  |                              |                                  |                                 |

| CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used  |                   |                           |                   |               |                |              |                            |
|---|-------------------|---------------------------|-------------------|---------------|----------------|--------------|----------------------------|
| Report all strings set-conductor, surface, intermediate, production, etc. |                   |                           |                   |               |                |              |                            |
| Purpose of String   | Size Hole Drilled | Size Casing Set (In O.D.) | Weight Lbs. / Ft. | Setting Depth | Type of Cement | # Sacks Used | Type and Percent Additives |
|   |                   |                           |                   |               |                |              |                            |
|   |                   |                           |                   |               |                |              |                            |
|   |                   |                           |                   |               |                |              |                            |

| ADDITIONAL CEMENTING / SQUEEZE RECORD   |                  |                |              |                            |
|---|------------------|----------------|--------------|----------------------------|
| Purpose:                                | Depth Top Bottom | Type of Cement | # Sacks Used | Type and Percent Additives |
| <input type="checkbox"/> Perforate      |                  |                |              |                            |
| <input type="checkbox"/> Protect Casing |                  |                |              |                            |
| <input type="checkbox"/> Plug Back TD   |                  |                |              |                            |
| <input type="checkbox"/> Plug Off Zone  |                  |                |              |                            |

Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?  Yes  No *(If No, fill out Page Three of the ACO-1)*

| Shots Per Foot | PERFORATION RECORD - Bridge Plugs Set/Type<br>Specify Footage of Each Interval Perforated | Acid, Fracture, Shot, Cement Squeeze Record<br><i>(Amount and Kind of Material Used)</i> | Depth |
|----------------|---|--|-------|
|                |   |  |       |
|                |   |  |       |
|                |   |  |       |
|                |   |  |       |
|                |   |  |       |

TUBING RECORD:      Size: \_\_\_\_\_ Set At: \_\_\_\_\_ Packer At: \_\_\_\_\_ Liner Run:  Yes  No

Date of First, Resumed Production, SWD or ENHR: \_\_\_\_\_ Producing Method:  Flowing  Pumping  Gas Lift  Other *(Explain)* \_\_\_\_\_

| Estimated Production Per 24 Hours | Oil Bbls. | Gas Mcf | Water Bbls. | Gas-Oil Ratio | Gravity |
|-----------------------------------|-----------|---------|-------------|---------------|---------|
|                                   |           |         |             |               |         |

|  |   |   |
|--|---|---|
| <b>DISPOSITION OF GAS:</b><br><input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease<br><i>(If vented, Submit ACO-18.)</i> | <b>METHOD OF COMPLETION:</b><br><input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled<br><i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____<br><input type="checkbox"/> Other <i>(Specify)</i> _____ | <b>PRODUCTION INTERVAL:</b><br>_____<br>_____ |
|--|---|---|

|           |                              |
|-----------|------------------------------|
| Form      | ACO1 - Well Completion       |
| Operator  | Grand Mesa Operating Company |
| Well Name | GLENNIS 1-27                 |
| Doc ID    | 1096700                      |

All Electric Logs Run

|                               |
|-------------------------------|
|                               |
| CPDCN Micro Log               |
| AI Shallow Focused Elect Log  |
| Microresistivity Log          |
| Dual Receiver Cement Bond Log |

|           |                              |
|-----------|------------------------------|
| Form      | ACO1 - Well Completion       |
| Operator  | Grand Mesa Operating Company |
| Well Name | GLENNIS 1-27                 |
| Doc ID    | 1096700                      |

Tops

| Name            | Top  | Datum |
|-----------------|------|-------|
| Stone Corral    | 2331 | +522  |
| Bs/Stone Corral | 2356 | +497  |
| Heebner         | 3873 | -1020 |
| Lansing         | 3916 | -1063 |
| Muncie Creek    | 4065 | -1212 |
| Stark           | 4153 | -1300 |
| Marmaton        | 4255 | -1402 |
| Excello         | 4403 | -1550 |
| Mississippian   | 4536 | -1683 |
| LTD             | 4626 |       |

# DIAMOND TESTING

## Pressure Survey Report

### General Information

|                  |                                |                |              |
|------------------|--------------------------------|----------------|--------------|
| Company Name     | GRAND MESA                     | Job Number     | M367         |
| Well Name        | GLENNIS#1-27                   | Representative | MIKE COCHRAN |
| Unique Well ID   | DST#1 3948-3966 LANSING C-ZONE | Well Operator  | GRAND MESA   |
| Surface Location | SEC.27-13S-31W GOVE CO.KS.     | Report Date    | 2012/08/10   |
| Field            | WILDCAT                        | Prepared By    | MIKE COCHRAN |
| Well Type        | Vertical                       | Qualified By   | KENT MATSON  |
|                  |                                | Test Unit      | NO. 1        |

### Test Information

|                     |                                |                 |          |
|---------------------|--------------------------------|-----------------|----------|
| Test Type           | CONVENTIONAL                   |                 |          |
| Formation           | DST#1 3948-3966 LANSING C-ZONE |                 |          |
| Test Purpose (AEUB) | Initial Test                   |                 |          |
| Start Test Date     | 2012/08/10                     | Start Test Time | 14:45:00 |
| Final Test Date     | 2012/08/10                     | Final Test Time | 21:40:00 |
|                     |                                | Well Fluid Type | 01 Oil   |
| Gauge Name          | 30044                          |                 |          |
| Gauge Serial Number |                                |                 |          |

### Test Results

Remarks RECOVERED:  
75' MW 60% WTR, 40% MUD  
75' TOTAL FLUID

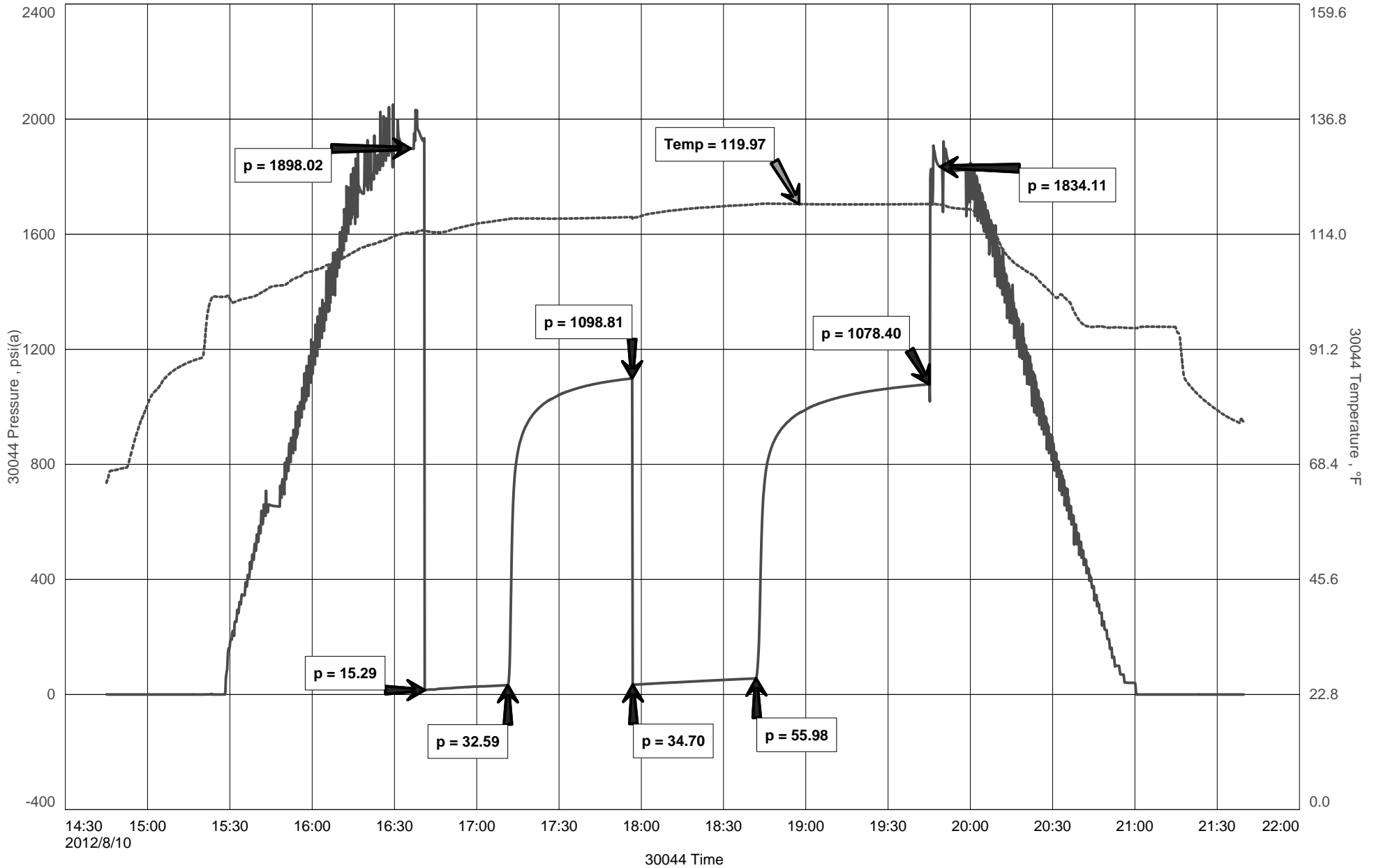
CHLOR: 18,000PPM  
PH:9.0  
RW: .32 @ 80 DEG

TOOL SAMPLE:MUDDY WATER W/ A FEW SPECKS OF OIL AND SLIGHT GASSY ODOR

GRAND MESA  
DST#1 3948-3966 LANSING C-ZONE  
Start Test Date: 2012/08/10  
Final Test Date: 2012/08/10

GLENNIS#1-27  
Formation: DST#1 3948-3966 LANSING C-ZONE  
Pool: WILDCAT  
Job Number: M367

# GLENNIS#1-27





**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: \_\_\_\_\_

TIME ON: \_\_\_\_\_  
TIME OFF: \_\_\_\_\_

Company \_\_\_\_\_ Lease & Well No. \_\_\_\_\_  
Contractor \_\_\_\_\_ Charge to \_\_\_\_\_  
Elevation \_\_\_\_\_ Formation \_\_\_\_\_ Effective Pay \_\_\_\_\_ Ft. Ticket No. \_\_\_\_\_  
Date \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S Range \_\_\_\_\_ W County \_\_\_\_\_ State **KANSAS**  
Test Approved By \_\_\_\_\_ Diamond Representative \_\_\_\_\_

Formation Test No. \_\_\_\_\_ Interval Tested from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Total Depth \_\_\_\_\_ ft.  
Packer Depth \_\_\_\_\_ ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Packer Depth \_\_\_\_\_ ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.  
Bottom Recorder Depth (Outside) \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

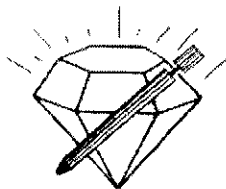
Mud Type \_\_\_\_\_ Viscosity \_\_\_\_\_ Drill Collar Length \_\_\_\_\_ ft. I.D. 2 1/4 in.  
Weight \_\_\_\_\_ Water Loss \_\_\_\_\_ cc. Weight Pipe Length \_\_\_\_\_ ft. I.D. 2 7/8 in.  
Chlorides \_\_\_\_\_ P.P.M. Drill Pipe Length \_\_\_\_\_ ft. I.D. 3 1/2 in.  
Jars: Make STERLING Serial Number \_\_\_\_\_ Test Tool Length \_\_\_\_\_ ft. Tool Size 3 1/2-IF in.  
Did Well Flow? \_\_\_\_\_ Reversed Out \_\_\_\_\_ Anchor Length \_\_\_\_\_ ft. Size 4 1/2-FH in.  
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: \_\_\_\_\_  
2nd Open: \_\_\_\_\_

|                              |  |
|------------------------------|--|
| Recovered _____ ft. of _____ | Price Job<br>Other Charges<br>Insurance<br>Total |
| Recovered _____ ft. of _____ |  |
| Recovered _____ ft. of _____ |  |
| Recovered _____ ft. of _____ |  |
| Recovered _____ ft. of _____ |  |
| Recovered _____ ft. of _____ |  |
| Remarks: _____               |  |

Time Set Packer(s) \_\_\_\_\_ A.M. P.M. Time Started Off Bottom \_\_\_\_\_ A.M. P.M. Maximum Temperature \_\_\_\_\_  
Initial Hydrostatic Pressure..... (A) \_\_\_\_\_ P.S.I.  
Initial Flow Period..... Minutes \_\_\_\_\_ (B) \_\_\_\_\_ P.S.I. to (C) \_\_\_\_\_ P.S.I.  
Initial Closed In Period..... Minutes \_\_\_\_\_ (D) \_\_\_\_\_ P.S.I.  
Final Flow Period..... Minutes \_\_\_\_\_ (E) \_\_\_\_\_ P.S.I. to (F) \_\_\_\_\_ P.S.I.  
Final Closed In Period..... Minutes \_\_\_\_\_ (G) \_\_\_\_\_ P.S.I.  
Final Hydrostatic Pressure..... (H) \_\_\_\_\_ P.S.I.

Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: GLNNS1-27DST2

TIME ON: 0920  
TIME OFF: 1630

Company GRAND MESA Lease & Well No. GLENNIS#1-27  
Contractor MURPHIN 24 Charge to GRAND MESA  
Elevation 2853 KB Formation LANSING E-ZONE Effective Pay \_\_\_\_\_ Ft. Ticket No. M368  
Date 8/11/2012 Sec. 27 Twp. \_\_\_\_\_ 13 S Range \_\_\_\_\_ 31 W County GOVE State KANSAS  
Test Approved By KENT MATSON Diamond Representative MIKE COCHRAN

Formation Test No. 2 Interval Tested from 3988 ft. to 4007 ft. Total Depth 4007 ft.  
Packer Depth 3983 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.  
Packer Depth 3988 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.

Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) 3990 ft. Recorder Number E1150 Cap. 5,000 P.S.I.  
Bottom Recorder Depth (Outside) 4004 ft. Recorder Number 13386 Cap. 3,875 P.S.I.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type CHEM Viscosity 50 Drill Collar Length 119 ft. I.D. 2 1/4 in.  
Weight 9.2 Water Loss 8.8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.  
Chlorides 3,000 P.P.M. Drill Pipe Length 3842 ft. I.D. 3 1/2 in.  
Jars: Make STERLING Serial Number 1 Test Tool Length 27 ft. Tool Size 3 1/2-IF in.  
Did Well Flow? NO Reversed Out NO Anchor Length 19 ft. Size 4 1/2-FH in.  
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WSB, INC. TO 3 1/4" (NO BB)  
2nd Open: VWSB, INC. TO 2 3/4" (NO BB)

|   |               |
|---|---------------|
| Recovered <u>&lt;1</u> ft. of <u>CO 100% OIL</u> GRAVITY: <u>31.2 @ 60°</u> |               |
| Recovered <u>139</u> ft. of <u>MW 75% WTR, 25% MUD</u>                      |               |
| Recovered <u>&lt;140</u> ft. of <u>TOTAL FLUID</u>                          |               |
| Recovered _____ ft. of <u>CHLOR: 33,000 PPM</u>                             |               |
| Recovered _____ ft. of <u>PH: 7.5</u>                                       | Price Job     |
| Recovered _____ ft. of <u>RW: 1.10 @ 110°</u>                               | Other Charges |
| Remarks: _____  | Insurance     |
| <u>TOOL SAMPLE: 60% WTR, 40% MUD W/A THICK SCUM OF OIL</u>                  | Total         |

Time Set Packer(s) 11:15 A.M. <sup>A.M.</sup>/<sub>P.M.</sub> Time Started Off Bottom 2:15 P.M. <sup>A.M.</sup>/<sub>P.M.</sub> Maximum Temperature 124  
Initial Hydrostatic Pressure \_\_\_\_\_ (A) 1935 P.S.I.  
Initial Flow Period \_\_\_\_\_ Minutes 30 (B) 17 P.S.I. to (C) 51 P.S.I.  
Initial Closed In Period \_\_\_\_\_ Minutes 45 (D) 1082 P.S.I.  
Final Flow Period \_\_\_\_\_ Minutes 45 (E) 54 P.S.I. to (F) 81 P.S.I.  
Final Closed In Period \_\_\_\_\_ Minutes 60 (G) 1063 P.S.I.  
Final Hydrostatic Pressure \_\_\_\_\_ (H) 1902 P.S.I.

Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



# DIAMOND TESTING

## Pressure Survey Report

### General Information

|                  |                                |                |              |
|------------------|--------------------------------|----------------|--------------|
| Company Name     | GRAND MESA                     | Job Number     | M368         |
| Well Name        | GLENNIS#1-27                   | Representative | MIKE COCHRAN |
| Unique Well ID   | DST#2 3988-4007 LANSING E-ZONE | Well Operator  | GRAND MESA   |
| Surface Location | SEC.27-13S-31W GOVE CO.KS.     | Report Date    | 2012/08/11   |
| Field            | WILDCAT                        | Prepared By    | MIKE COCHRAN |
| Well Type        | Vertical                       | Qualified By   | KENT MATSON  |
|                  |                                | Test Unit      | NO. 1        |

### Test Information

|                     |                                |                 |          |
|---------------------|--------------------------------|-----------------|----------|
| Test Type           | CONVENTIONAL                   |                 |          |
| Formation           | DST#2 3988-4007 LANSING E-ZONE |                 |          |
| Test Purpose (AEUB) | Initial Test                   |                 |          |
| Start Test Date     | 2012/08/11                     | Start Test Time | 09:20:00 |
| Final Test Date     | 2012/08/11                     | Final Test Time | 16:30:00 |
|                     |                                | Well Fluid Type | 01 Oil   |
| Gauge Name          | E1150                          |                 |          |
| Gauge Serial Number |                                |                 |          |

### Test Results

Remarks **RECOVERED:**

<1' CO 100% OIL  
139' MW 75% WTR 25% MUD  
<140' TOTAL FLUID

GRAVITY:31.2 @ 60

CHLOR:33 PPM

PH:7.5

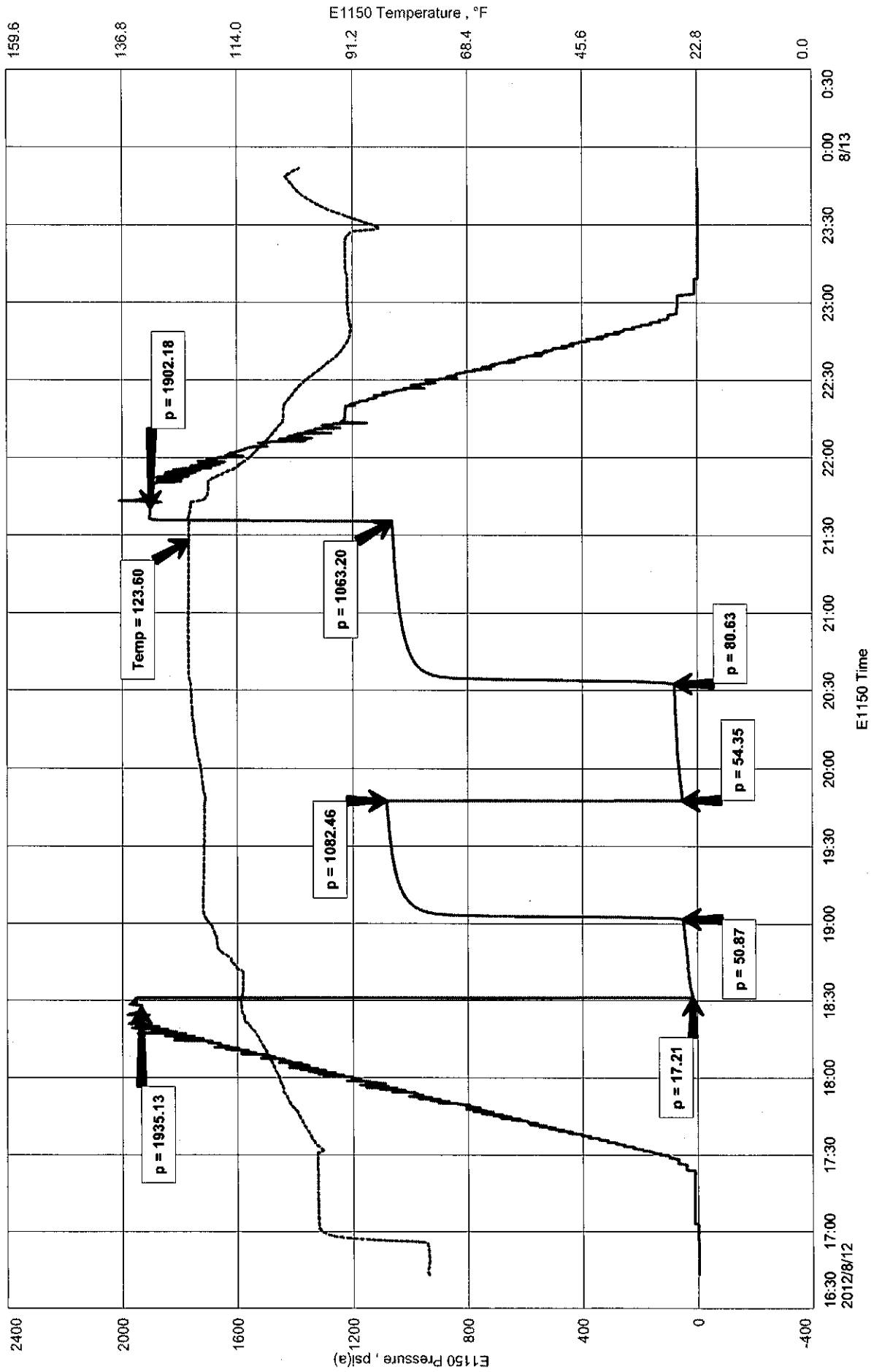
RW: 1.10 @ 110

TOOL SAMPLE: 60% WTR, 40% MUD W/A THICK SCUM OF OIL

GRAND MESA  
 DST#2 3988-4007 LANSING E-ZONE  
 Start Test Date: 2012/08/11  
 Final Test Date: 2012/08/11

GLENNIS#1-27  
 Formation: DST#2 3988-4007 LANSING E-ZONE  
 Pool: WILDCAT  
 Job Number: M368

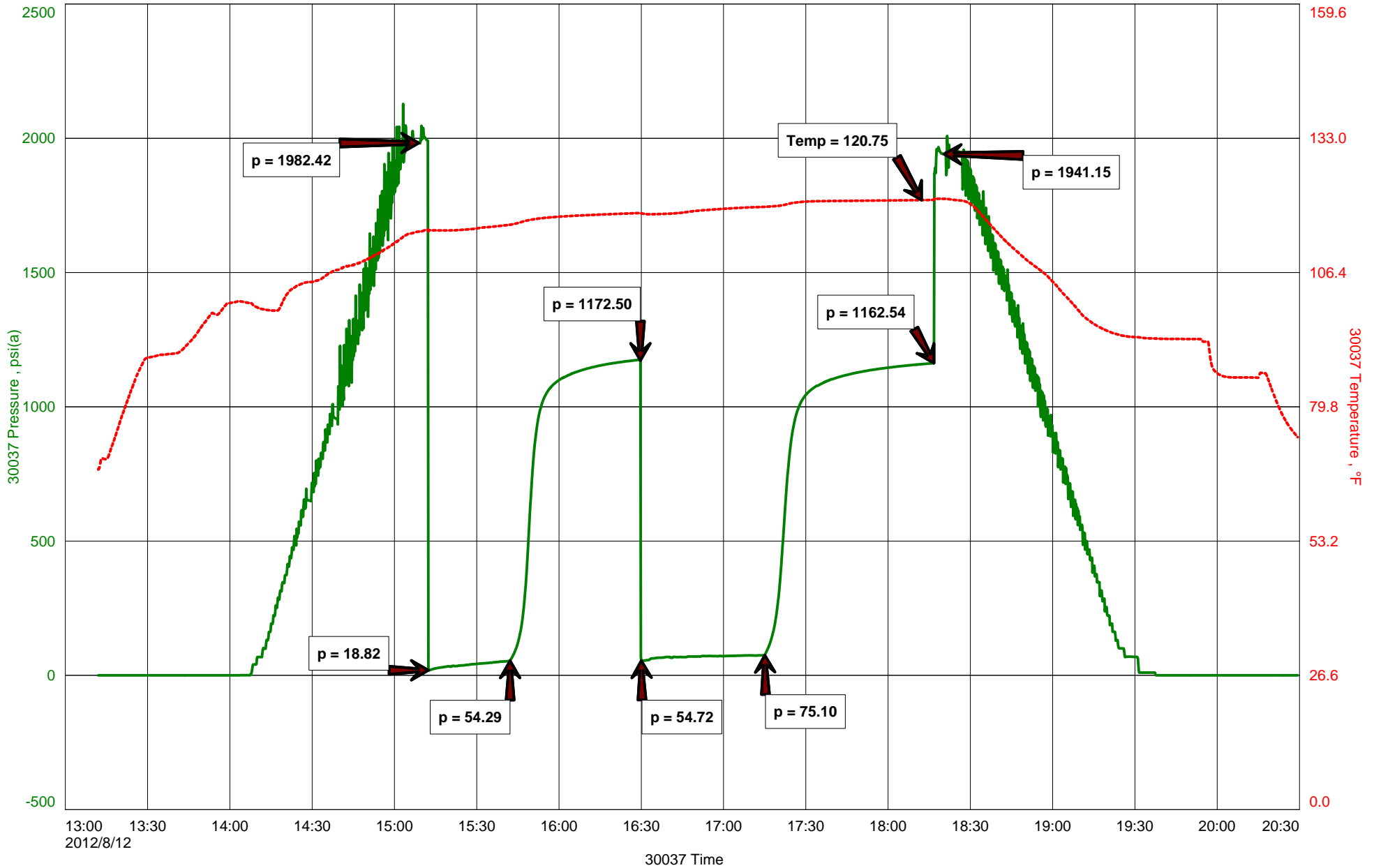
# GLENNIS#1-27



GRAND MESA  
DST#3 4064-4125 LANSING H&I-ZONES  
Start Test Date: 2012/08/12  
Final Test Date: 2012/08/12

GLENNIS#1-27  
Formation: DST#3 4064-4125 LANSING H&I-ZONES  
Pool: WILDCAT  
Job Number: M369

# GLENNIS#1-27



# DIAMOND TESTING

## Pressure Survey Report

### General Information

|                  |                                   |                |              |
|------------------|-----------------------------------|----------------|--------------|
| Company Name     | GRAND MESA                        | Job Number     | M369         |
| Well Name        | GLENNIS#1-27                      | Representative | MIKE COCHRAN |
| Unique Well ID   | DST#3 4064-4125 LANSING H&I-ZONES | Well Operator  | GRAND MESA   |
| Surface Location | SEC.27-13S-31W GOVE CO.KS.        | Report Date    | 2012/08/12   |
| Field            | WILDCAT                           | Prepared By    | MIKE COCHRAN |
| Well Type        | Vertical                          | Qualified By   | KENT MATSON  |
|                  |                                   | Test Unit      | NO. 1        |

### Test Information

|                     |                                   |                 |          |
|---------------------|-----------------------------------|-----------------|----------|
| Test Type           | CONVENTIONAL                      |                 |          |
| Formation           | DST#3 4064-4125 LANSING H&I-ZONES |                 |          |
| Test Purpose (AEUB) | Initial Test                      |                 |          |
| Start Test Date     | 2012/08/12                        | Start Test Time | 13:12:00 |
| Final Test Date     | 2012/08/12                        | Final Test Time | 20:30:00 |
|                     |                                   | Well Fluid Type | 01 Oil   |
| Gauge Name          | 30037                             |                 |          |
| Gauge Serial Number |                                   |                 |          |

### Test Results

Remarks RECOVERED:  
315' GIP  
10, CO 100% OIL  
135' GOCM 10% GAS, 22% OIL, 68% MUD W/ A TR OF WTR  
145' TOTAL FLUID

GRAVITY: 36.0@ 60

CHLOR: 18,000PPM  
PH:8.0  
RW: .32 @ 80 DEG

TOOL SAMPLE: 6% GAS, 12%OIL, 28% WTR, 54% MUD



**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: \_\_\_\_\_

TIME ON: \_\_\_\_\_  
TIME OFF: \_\_\_\_\_

Company \_\_\_\_\_ Lease & Well No. \_\_\_\_\_  
Contractor \_\_\_\_\_ Charge to \_\_\_\_\_  
Elevation \_\_\_\_\_ Formation \_\_\_\_\_ Effective Pay \_\_\_\_\_ Ft. Ticket No. \_\_\_\_\_  
Date \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S Range \_\_\_\_\_ W County \_\_\_\_\_ State **KANSAS**  
Test Approved By \_\_\_\_\_ Diamond Representative \_\_\_\_\_

Formation Test No. \_\_\_\_\_ Interval Tested from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Total Depth \_\_\_\_\_ ft.  
Packer Depth \_\_\_\_\_ ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Packer Depth \_\_\_\_\_ ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.  
Bottom Recorder Depth (Outside) \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type \_\_\_\_\_ Viscosity \_\_\_\_\_ Drill Collar Length \_\_\_\_\_ ft. I.D. 2 1/4 in.  
Weight \_\_\_\_\_ Water Loss \_\_\_\_\_ cc. Weight Pipe Length \_\_\_\_\_ ft. I.D. 2 7/8 in.  
Chlorides \_\_\_\_\_ P.P.M. Drill Pipe Length \_\_\_\_\_ ft. I.D. 3 1/2 in.  
Jars: Make STERLING Serial Number \_\_\_\_\_ Test Tool Length \_\_\_\_\_ ft. Tool Size 3 1/2-IF in.  
Did Well Flow? \_\_\_\_\_ Reversed Out \_\_\_\_\_ Anchor Length \_\_\_\_\_ ft. Size 4 1/2-FH in.  
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: \_\_\_\_\_  
2nd Open: \_\_\_\_\_

|                              |               |
|------------------------------|---------------|
| Recovered _____ ft. of _____ |               |
| Recovered _____ ft. of _____ |               |
| Recovered _____ ft. of _____ |               |
| Recovered _____ ft. of _____ |               |
| Recovered _____ ft. of _____ | Price Job     |
| Recovered _____ ft. of _____ | Other Charges |
| Remarks: _____               | Insurance     |
|                              | Total         |

Time Set Packer(s) \_\_\_\_\_ A.M. P.M. Time Started Off Bottom \_\_\_\_\_ A.M. P.M. Maximum Temperature \_\_\_\_\_  
Initial Hydrostatic Pressure..... (A) \_\_\_\_\_ P.S.I.  
Initial Flow Period..... Minutes \_\_\_\_\_ (B) \_\_\_\_\_ P.S.I. to (C) \_\_\_\_\_ P.S.I.  
Initial Closed In Period..... Minutes \_\_\_\_\_ (D) \_\_\_\_\_ P.S.I.  
Final Flow Period..... Minutes \_\_\_\_\_ (E) \_\_\_\_\_ P.S.I. to (F) \_\_\_\_\_ P.S.I.  
Final Closed In Period..... Minutes \_\_\_\_\_ (G) \_\_\_\_\_ P.S.I.  
Final Hydrostatic Pressure..... (H) \_\_\_\_\_ P.S.I.

Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

# DIAMOND TESTING

## Pressure Survey Report

### General Information

|                  |                            |                |              |
|------------------|----------------------------|----------------|--------------|
| Company Name     | GRAND MESA                 | Job Number     | M370         |
| Well Name        | GLENNIS#1-27               | Representative | MIKE COCHRAN |
| Unique Well ID   | DST4 4155-4174 LANSING K   | Well Operator  | GRAND MESA   |
| Surface Location | SEC.27-13S-31W GOVE CO.KS. | Report Date    | 2012/08/13   |
| Field            | WILDCAT                    | Prepared By    | MIKE COCHRAN |
| Well Type        | Vertical                   | Qualified By   | KENT MATSON  |
|                  |                            | Test Unit      | NO. 1        |

### Test Information

|                     |                          |                 |          |
|---------------------|--------------------------|-----------------|----------|
| Test Type           | CONVENTIONAL             |                 |          |
| Formation           | DST4 4155-4174 LANSING K |                 |          |
| Test Purpose (AEUB) | Initial Test             |                 |          |
| Start Test Date     | 2012/08/13               | Start Test Time | 08:30:00 |
| Final Test Date     | 2012/08/13               | Final Test Time | 17:45:00 |
|                     |                          | Well Fluid Type | 01 Oil   |
| Gauge Name          | 30037                    |                 |          |
| Gauge Serial Number |                          |                 |          |

### Test Results

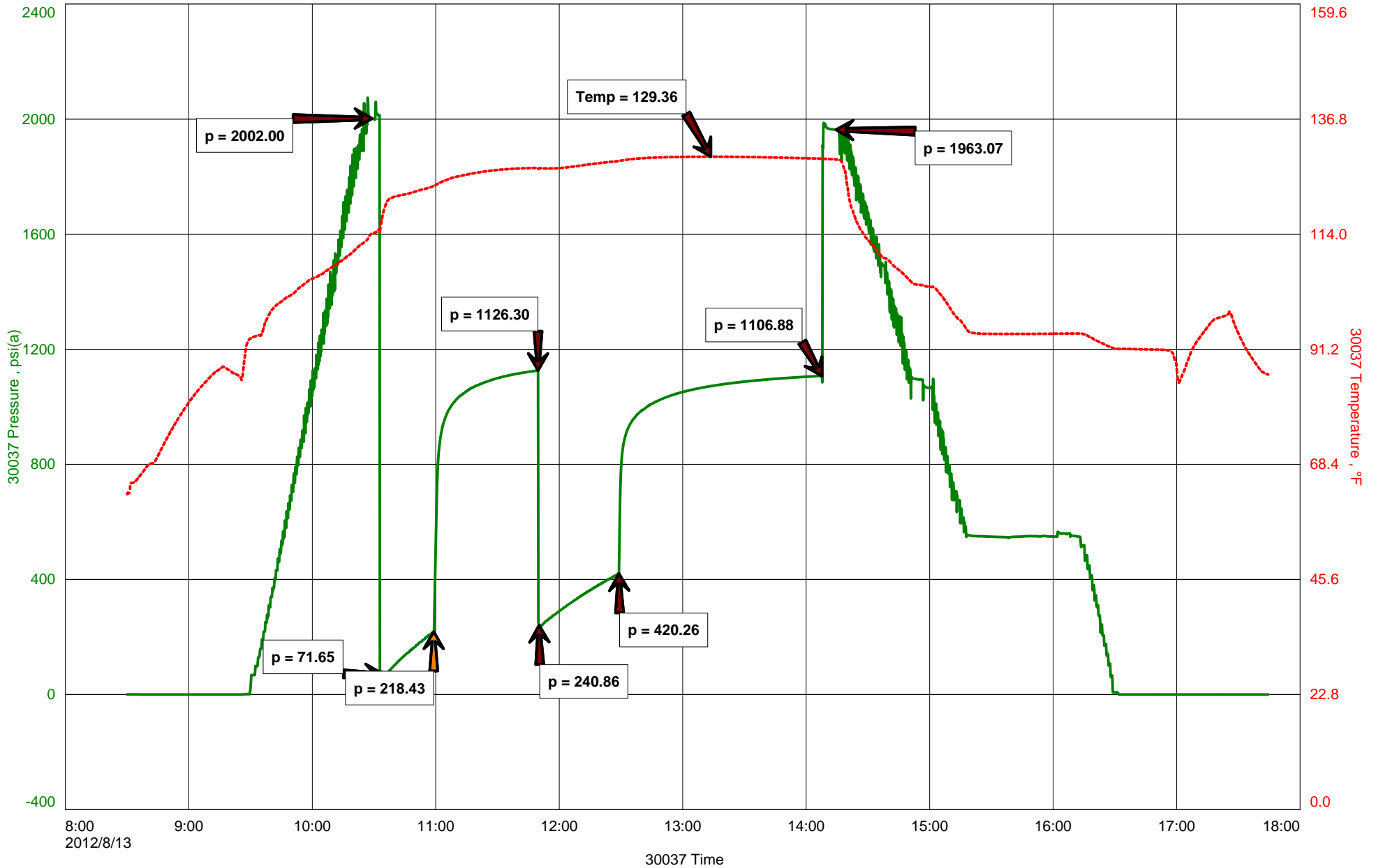
#### Remarks RECOVERED:

718' GO 20% GAS 80% OIL  
240' GHOCM 8% GAS, 42% OIL, 50% MUD  
182' GHOCM 18% GAS, 36% OIL, 46% MUD (63' DP, 119' DC)  
1140' TOTAL FLUID

GRAVITY: 34.2 @ 60

TOOL SAMPLE: 100% CLEAN GASSY OIL

# GLENNIS#1-27





**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: \_\_\_\_\_

TIME ON: \_\_\_\_\_  
TIME OFF: \_\_\_\_\_

Company \_\_\_\_\_ Lease & Well No. \_\_\_\_\_  
Contractor \_\_\_\_\_ Charge to \_\_\_\_\_  
Elevation \_\_\_\_\_ Formation \_\_\_\_\_ Effective Pay \_\_\_\_\_ Ft. Ticket No. \_\_\_\_\_  
Date \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S Range \_\_\_\_\_ W County \_\_\_\_\_ State **KANSAS**  
Test Approved By \_\_\_\_\_ Diamond Representative \_\_\_\_\_

Formation Test No. \_\_\_\_\_ Interval Tested from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Total Depth \_\_\_\_\_ ft.  
Packer Depth \_\_\_\_\_ ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Packer Depth \_\_\_\_\_ ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.  
Bottom Recorder Depth (Outside) \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type \_\_\_\_\_ Viscosity \_\_\_\_\_ Drill Collar Length \_\_\_\_\_ ft. I.D. 2 1/4 in.  
Weight \_\_\_\_\_ Water Loss \_\_\_\_\_ cc. Weight Pipe Length \_\_\_\_\_ ft. I.D. 2 7/8 in.  
Chlorides \_\_\_\_\_ P.P.M. Drill Pipe Length \_\_\_\_\_ ft. I.D. 3 1/2 in.  
Jars: Make STERLING Serial Number \_\_\_\_\_ Test Tool Length \_\_\_\_\_ ft. Tool Size 3 1/2-IF in.  
Did Well Flow? \_\_\_\_\_ Reversed Out \_\_\_\_\_ Anchor Length \_\_\_\_\_ ft. Size 4 1/2-FH in.  
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: \_\_\_\_\_  
2nd Open: \_\_\_\_\_

|                              |               |
|------------------------------|---------------|
| Recovered _____ ft. of _____ |               |
| Recovered _____ ft. of _____ |               |
| Recovered _____ ft. of _____ |               |
| Recovered _____ ft. of _____ |               |
| Recovered _____ ft. of _____ | Price Job     |
| Recovered _____ ft. of _____ | Other Charges |
| Remarks: _____               | Insurance     |
|                              | Total         |

Time Set Packer(s) \_\_\_\_\_ A.M. P.M. Time Started Off Bottom \_\_\_\_\_ A.M. P.M. Maximum Temperature \_\_\_\_\_  
Initial Hydrostatic Pressure..... (A) \_\_\_\_\_ P.S.I.  
Initial Flow Period..... Minutes \_\_\_\_\_ (B) \_\_\_\_\_ P.S.I. to (C) \_\_\_\_\_ P.S.I.  
Initial Closed In Period..... Minutes \_\_\_\_\_ (D) \_\_\_\_\_ P.S.I.  
Final Flow Period..... Minutes \_\_\_\_\_ (E) \_\_\_\_\_ P.S.I. to (F) \_\_\_\_\_ P.S.I.  
Final Closed In Period..... Minutes \_\_\_\_\_ (G) \_\_\_\_\_ P.S.I.  
Final Hydrostatic Pressure..... (H) \_\_\_\_\_ P.S.I.

Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



# DIAMOND TESTING

## Pressure Survey Report

### General Information

|                  |                                 |                |              |
|------------------|---------------------------------|----------------|--------------|
| Company Name     | GRAND MESA                      | Job Number     | M371         |
| Well Name        | GLENNIS#1-27                    | Representative | MIKE COCHRAN |
| Unique Well ID   | DST5 4380-4405 LOWER FORT SCOTT | Well Operator  | GRAND MESA   |
| Surface Location | SEC.27-13S-31W GOVE CO.KS.      | Report Date    | 2012/08/14   |
| Field            | WILDCAT                         | Prepared By    | MIKE COCHRAN |
| Well Type        | Vertical                        | Qualified By   | KENT MATSON  |
|                  |                                 | Test Unit      | NO. 1        |

### Test Information

|                     |                                 |                 |          |
|---------------------|---------------------------------|-----------------|----------|
| Test Type           | CONVENTIONAL                    |                 |          |
| Formation           | DST5 4380-4405 LOWER FORT SCOTT |                 |          |
| Test Purpose (AEUB) | Initial Test                    |                 |          |
| Start Test Date     | 2012/08/14                      | Start Test Time | 15:25:00 |
| Final Test Date     | 2012/08/14                      | Final Test Time | 23:10:00 |
|                     |                                 | Well Fluid Type | 01 Oil   |
| Gauge Name          | 30037                           |                 |          |
| Gauge Serial Number |                                 |                 |          |

### Test Results

#### Remarks RECOVERED:

195' GIP (126' DP, 69' DC)  
20' CO 100% OIL  
30' GMCO 2% GAS, 53% OIL, 45% MUD  
50' TOTAL FLUID

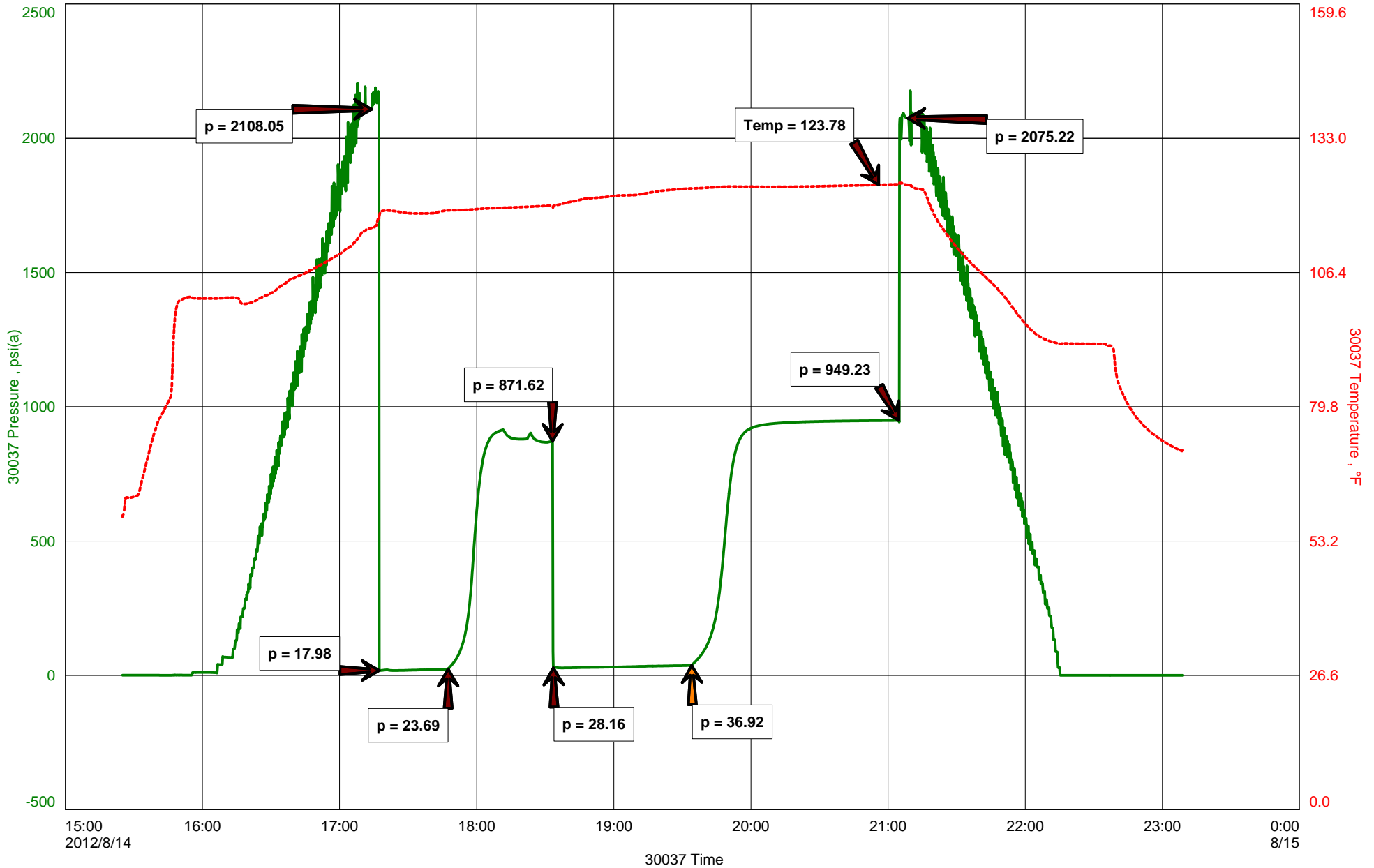
GRAVITY: 29.8 @ 60

TOOL SAMPLE: 80% GASSY OIL, 20% MUD

GRAND MESA  
DST5 4380-4405 LOWER FORT SCOTT  
Start Test Date: 2012/08/14  
Final Test Date: 2012/08/14

GLENNIS#1-27  
Formation: DST5 4380-4405 LOWER FORT SCOTT  
Pool: WILDCAT  
Job Number: M371

# GLENNIS#1-27





**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: \_\_\_\_\_

TIME ON: \_\_\_\_\_  
TIME OFF: \_\_\_\_\_

Company \_\_\_\_\_ Lease & Well No. \_\_\_\_\_  
Contractor \_\_\_\_\_ Charge to \_\_\_\_\_  
Elevation \_\_\_\_\_ Formation \_\_\_\_\_ Effective Pay \_\_\_\_\_ Ft. Ticket No. \_\_\_\_\_  
Date \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S Range \_\_\_\_\_ W County \_\_\_\_\_ State **KANSAS**  
Test Approved By \_\_\_\_\_ Diamond Representative \_\_\_\_\_

Formation Test No. \_\_\_\_\_ Interval Tested from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Total Depth \_\_\_\_\_ ft.  
Packer Depth \_\_\_\_\_ ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Packer Depth \_\_\_\_\_ ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.  
Bottom Recorder Depth (Outside) \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type \_\_\_\_\_ Viscosity \_\_\_\_\_ Drill Collar Length \_\_\_\_\_ ft. I.D. 2 1/4 in.  
Weight \_\_\_\_\_ Water Loss \_\_\_\_\_ cc. Weight Pipe Length \_\_\_\_\_ ft. I.D. 2 7/8 in.  
Chlorides \_\_\_\_\_ P.P.M. Drill Pipe Length \_\_\_\_\_ ft. I.D. 3 1/2 in.  
Jars: Make STERLING Serial Number \_\_\_\_\_ Test Tool Length \_\_\_\_\_ ft. Tool Size 3 1/2-IF in.  
Did Well Flow? \_\_\_\_\_ Reversed Out \_\_\_\_\_ Anchor Length \_\_\_\_\_ ft. Size 4 1/2-FH in.  
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: \_\_\_\_\_  
2nd Open: \_\_\_\_\_

|                              |               |
|------------------------------|---------------|
| Recovered _____ ft. of _____ |               |
| Recovered _____ ft. of _____ |               |
| Recovered _____ ft. of _____ |               |
| Recovered _____ ft. of _____ |               |
| Recovered _____ ft. of _____ | Price Job     |
| Recovered _____ ft. of _____ | Other Charges |
| Remarks: _____               | Insurance     |
|                              | Total         |

Time Set Packer(s) \_\_\_\_\_ A.M. P.M. Time Started Off Bottom \_\_\_\_\_ A.M. P.M. Maximum Temperature \_\_\_\_\_  
Initial Hydrostatic Pressure..... (A) \_\_\_\_\_ P.S.I.  
Initial Flow Period..... Minutes \_\_\_\_\_ (B) \_\_\_\_\_ P.S.I. to (C) \_\_\_\_\_ P.S.I.  
Initial Closed In Period..... Minutes \_\_\_\_\_ (D) \_\_\_\_\_ P.S.I.  
Final Flow Period..... Minutes \_\_\_\_\_ (E) \_\_\_\_\_ P.S.I. to (F) \_\_\_\_\_ P.S.I.  
Final Closed In Period..... Minutes \_\_\_\_\_ (G) \_\_\_\_\_ P.S.I.  
Final Hydrostatic Pressure..... (H) \_\_\_\_\_ P.S.I.

Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

# DIAMOND TESTING

## Pressure Survey Report

### General Information

|                  |                                   |                |              |
|------------------|-----------------------------------|----------------|--------------|
| Company Name     | GRAND MESA                        | Job Number     | M372         |
| Well Name        | GLENNIS#1-27                      | Representative | MIKE COCHRAN |
| Unique Well ID   | DST#6 4422-4500 VERTIGRIS&JOHNSON | Well Operator  | GRAND MESA   |
| Surface Location | SEC.27-13S-31W GOVE CO.KS.        | Report Date    | 2012/08/15   |
| Field            | WILDCAT                           | Prepared By    | MIKE COCHRAN |
| Well Type        | Vertical                          | Qualified By   | KENT MATSON  |
|                  |                                   | Test Unit      | NO. 1        |

### Test Information

|                     |                                   |                 |          |
|---------------------|-----------------------------------|-----------------|----------|
| Test Type           | CONVENTIONAL                      |                 |          |
| Formation           | DST#6 4422-4500 VERTIGRIS&JOHNSON |                 |          |
| Test Purpose (AEUB) | Initial Test                      |                 |          |
| Start Test Date     | 2012/08/15                        | Start Test Time | 12:25:00 |
| Final Test Date     | 2012/08/15                        | Final Test Time | 22:00:00 |
|                     |                                   | Well Fluid Type | 01 Oil   |
| Gauge Name          | 30037                             |                 |          |
| Gauge Serial Number |                                   |                 |          |

### Test Results

#### Remarks RECOVERED:

1685' GIP  
210' WGMO 12% GAS, 84% OIL, 2% WTR, 2% MUD  
733' WGMCO 9% GAS, 54% OIL, 2% WTR, 35% MUD  
182' GMCO 16% GAS, 73% OIL, 11% MUD (63'DP, 119'DC)  
1125' TOTAL FLUID

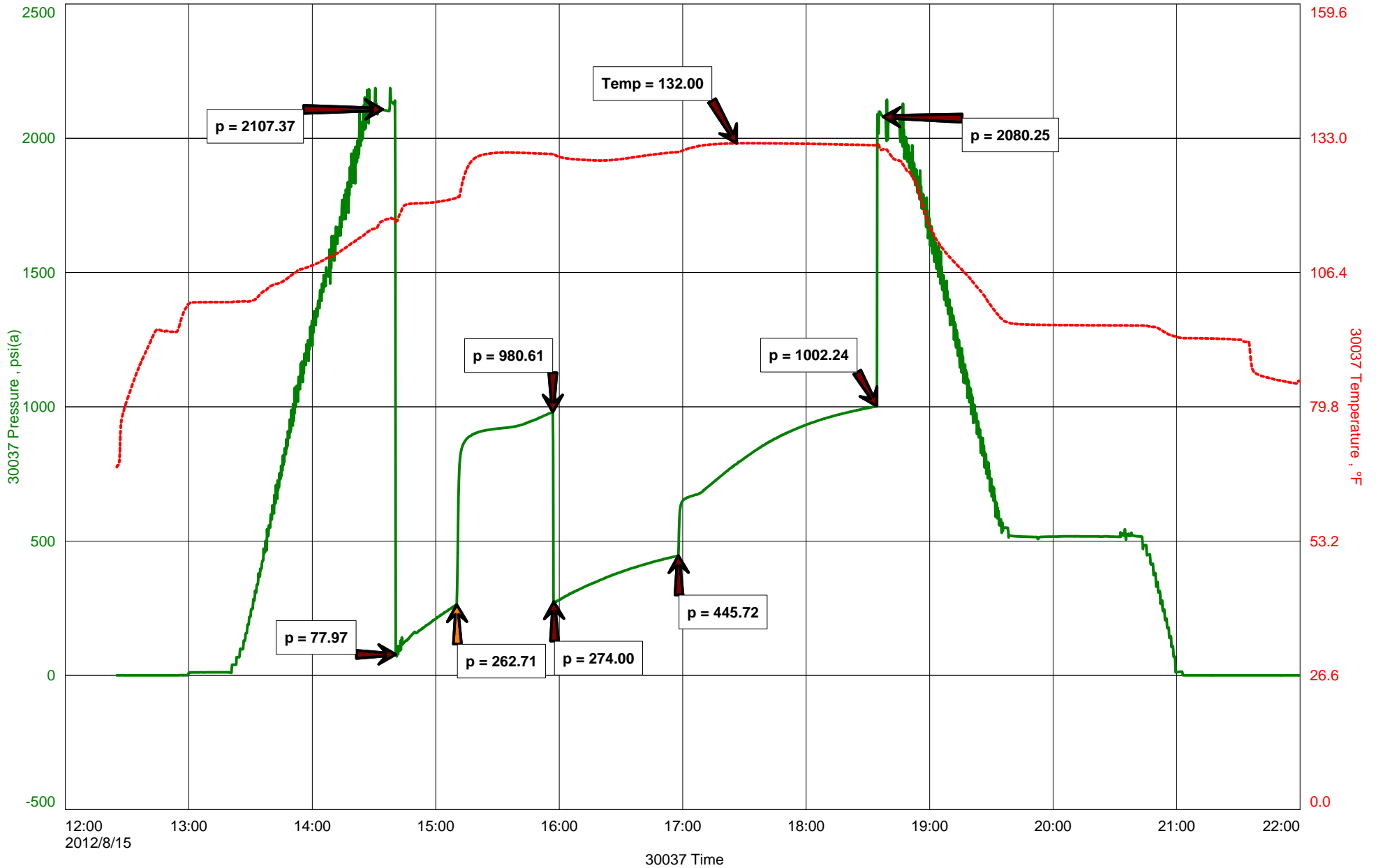
GRAVITY: 26.9 @ 60

TOOL SAMPLE: 2% GAS, 97% OIL, 1% MUD

GRAND MESA  
DST#6 4422-4500 VERTIGRIS&JOHNSON  
Start Test Date: 2012/08/15  
Final Test Date: 2012/08/15

GLENNIS#1-27  
Formation: DST#6 4422-4500 VERTIGRIS&JOHNSON  
Pool: WILDCAT  
Job Number: M372

# GLENNIS#1-27





**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: \_\_\_\_\_

TIME ON: \_\_\_\_\_  
TIME OFF: \_\_\_\_\_

Company \_\_\_\_\_ Lease & Well No. \_\_\_\_\_  
Contractor \_\_\_\_\_ Charge to \_\_\_\_\_  
Elevation \_\_\_\_\_ Formation \_\_\_\_\_ Effective Pay \_\_\_\_\_ Ft. Ticket No. \_\_\_\_\_  
Date \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S Range \_\_\_\_\_ W County \_\_\_\_\_ State **KANSAS**  
Test Approved By \_\_\_\_\_ Diamond Representative \_\_\_\_\_

Formation Test No. \_\_\_\_\_ Interval Tested from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Total Depth \_\_\_\_\_ ft.  
Packer Depth \_\_\_\_\_ ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Packer Depth \_\_\_\_\_ ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.  
Bottom Recorder Depth (Outside) \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type \_\_\_\_\_ Viscosity \_\_\_\_\_ Drill Collar Length \_\_\_\_\_ ft. I.D. 2 1/4 in.  
Weight \_\_\_\_\_ Water Loss \_\_\_\_\_ cc. Weight Pipe Length \_\_\_\_\_ ft. I.D. 2 7/8 in.  
Chlorides \_\_\_\_\_ P.P.M. Drill Pipe Length \_\_\_\_\_ ft. I.D. 3 1/2 in.  
Jars: Make STERLING Serial Number \_\_\_\_\_ Test Tool Length \_\_\_\_\_ ft. Tool Size 3 1/2-IF in.  
Did Well Flow? \_\_\_\_\_ Reversed Out \_\_\_\_\_ Anchor Length \_\_\_\_\_ ft. Size 4 1/2-FH in.  
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: \_\_\_\_\_  
2nd Open: \_\_\_\_\_

|                              |               |
|------------------------------|---------------|
| Recovered _____ ft. of _____ |               |
| Recovered _____ ft. of _____ |               |
| Recovered _____ ft. of _____ |               |
| Recovered _____ ft. of _____ |               |
| Recovered _____ ft. of _____ | Price Job     |
| Recovered _____ ft. of _____ | Other Charges |
| Remarks: _____               | Insurance     |
|                              | Total         |

Time Set Packer(s) \_\_\_\_\_ A.M. P.M. Time Started Off Bottom \_\_\_\_\_ A.M. P.M. Maximum Temperature \_\_\_\_\_  
Initial Hydrostatic Pressure..... (A) \_\_\_\_\_ P.S.I.  
Initial Flow Period..... Minutes \_\_\_\_\_ (B) \_\_\_\_\_ P.S.I. to (C) \_\_\_\_\_ P.S.I.  
Initial Closed In Period..... Minutes \_\_\_\_\_ (D) \_\_\_\_\_ P.S.I.  
Final Flow Period..... Minutes \_\_\_\_\_ (E) \_\_\_\_\_ P.S.I. to (F) \_\_\_\_\_ P.S.I.  
Final Closed In Period..... Minutes \_\_\_\_\_ (G) \_\_\_\_\_ P.S.I.  
Final Hydrostatic Pressure..... (H) \_\_\_\_\_ P.S.I.

Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

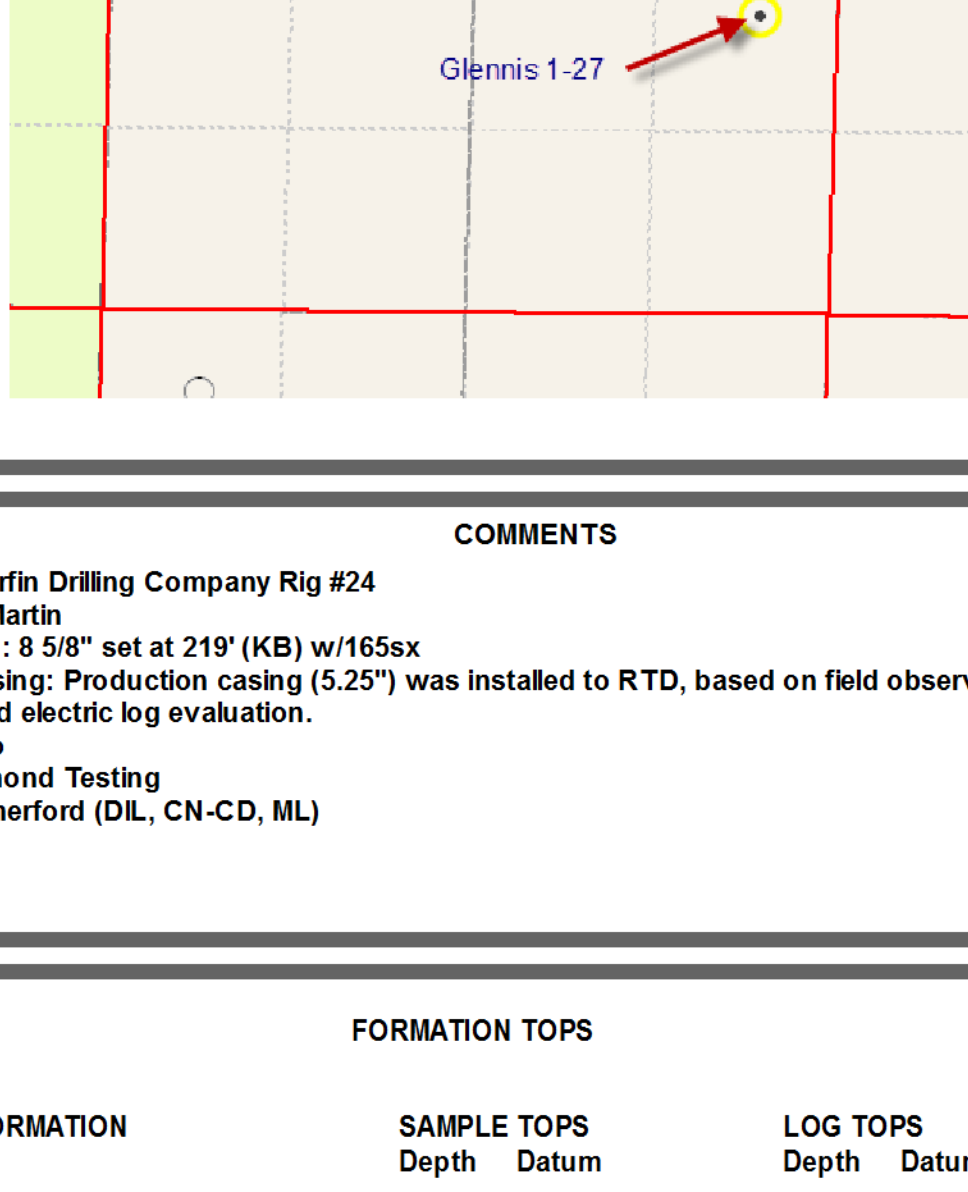
Scale 1:240 (5"=100') Imperial  
Measured Depth Log

**Well Name:** Glennis #1-27  
**Location:** 2141' FSL, 541' FEL, 27-13S-31W, Gove County, Kansas  
**License Number:** API: 15-063-22030  
**Spud Date:** 08/06/2012  
**Surface Coordinates:** Lat: 38.8940218 Long: -100.7438924  
**Bottom Hole Coordinates:** Vertical hole  
**Ground Elevation (ft):** 2848' **To: RTD** **K.B. Elevation (ft):** 2853'  
**Logged Interval (ft):** 3800' **Total Depth (ft):** 4630'  
**Formation:** Mississippian at RTD  
**Type of Drilling Fluid:** Chemical  
**Region:** Gove County  
**Drilling Completed:** 08/16/2012

Printed by MUD.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

**GEOLOGIST**

**Name:** Kent R. Matson  
**Company:** Matson Geological Services, LLC  
**Address:** 33300 W. 15th Street S.  
Garden Plain, Kansas 67050  
316-644-1975

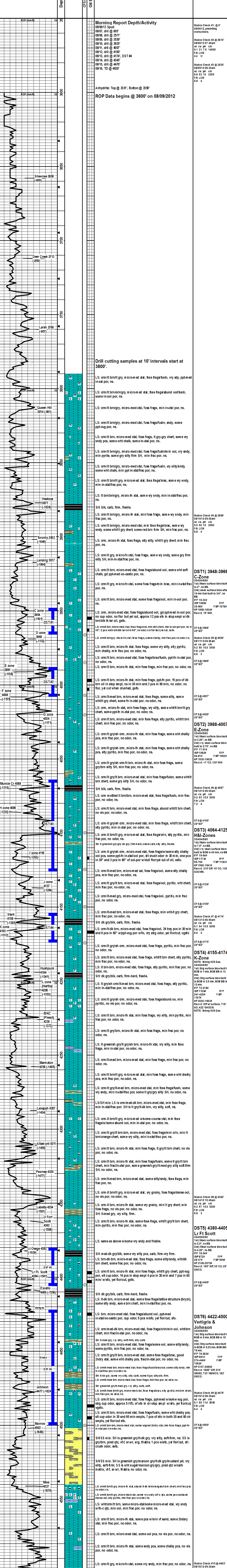


**COMMENTS**

**Contractor:** Murfin Drilling Company Rig #24  
**Pusher:** Tony Martin  
**Surface Casing:** 8 5/8" set at 219' (KB) w/1655x  
**Production Casing:** Production casing (5.25") was installed to RTD, based on field observations of drill cuttings, DST results and electric log evaluation.  
**Mud by:** MudCo  
**DST's by:** Diamond Testing  
**Logs by:** Weatherford (DIL, CN-CD, ML)  
**RTD = 4630'**  
**LTD = 4626'**

**FORMATION TOPS**

| FORMATION          | SAMPLE TOPS |       | LOG TOPS |       |
|--------------------|-------------|-------|----------|-------|
|                    | Depth       | Datum | Depth    | Datum |
| Queen Hill         | 3814'       | -961  | 3810'    | -957  |
| Heebner Shale      | 3877'       | -1024 | 3873'    | -1020 |
| Toronto            | 3902'       | -1049 | 3898'    | -1045 |
| Lansing            | 3917'       | -1064 | 3916'    | -1063 |
| Muncie Creek Shale | 4068'       | -1215 | 4065'    | -1212 |
| Stark Shale        | 4158'       | -1305 | 4153'    | -1300 |
| Hushpuckney Shale  | 4194'       | -1341 | 4189'    | -1336 |
| Marmaton           | 4258'       | -1405 | 4255'    | -1402 |
| Upper Fort Scott   | 4362'       | -1509 | 4356'    | -1503 |
| Little Osage Shale | 4382'       | -1529 | 4377'    | -1524 |
| Excello Shale      | 4409'       | -1556 | 4403'    | -1550 |
| Johnson Zone       | 4477'       | -1624 | 4471'    | -1618 |
| Morrow             | 4502'       | -1649 | 4497'    | -1643 |
| Mississippian      | 4541'       | -1688 | 4536'    | -1683 |
| RTD                |             |       |          |       |
| LTD                | 4630'       | -1777 | 4626'    | -1773 |



RTD 4630', -1777  
LTD 4626', -1773

# ALLIED OIL & GAS SERVICES, LLC 056661

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT:

*Oakley*

|                         |                           |                                     |                 |                    |                 |                           |                            |
|-------------------------|---------------------------|-------------------------------------|-----------------|--------------------|-----------------|---------------------------|----------------------------|
| DATE <i>8-6-12</i>      | SEC <i>27</i>             | TWP. <i>13</i>                      | RANGE <i>31</i> | CALLED OUT         | ON LOCATION     | JOB START Hr. <i>6:00</i> | JOB FINISH Hr. <i>7:00</i> |
| LEASE <i>Glenn's</i>    | WELL# <i>1-27</i>         | LOCATION <i>Oakley 11S-5E-38-1E</i> |                 | COUNTY <i>Gove</i> | STATE <i>Ks</i> |                           |                            |
| OLD OR NEW (Circle one) | LOCATION <i>11S-Winto</i> |                                     |                 |                    |                 |                           |                            |

CONTRACTOR *Muffin #24*

TYPE OF JOB *Surface*

|                                |                  |
|--------------------------------|------------------|
| HOLE SIZE <i>12 1/4</i>        | T.D. <i>219</i>  |
| CASING SIZE <i>8 5/8</i>       | DEPTH <i>219</i> |
| TUBING SIZE                    | DEPTH            |
| DRILL PIPE                     | DEPTH            |
| TOOL                           | DEPTH            |
| PRES. MAX                      | MINIMUM          |
| MEAS. LINE                     | SHOE JOINT       |
| CEMENT LEFT IN CSG. <i>15'</i> |                  |
| PERFS.                         |                  |
| DISPLACEMENT <i>12.79</i>      |                  |

OWNER *Same*

CEMENT AMOUNT ORDERED *165 SKs Com 3% CL 2% Gel*

EQUIPMENT

|                     |                                |                            |
|---------------------|--------------------------------|----------------------------|
| PUMP TRUCK #423-281 | CEMENTER <i>Darren Racette</i> | HELPER <i>Tyler Flipse</i> |
| BULK TRUCK #347     | DRIVER <i>Brandon Wilkison</i> |                            |
| BULK TRUCK #        | DRIVER                         |                            |

|          |                    |                  |                  |                 |
|----------|--------------------|------------------|------------------|-----------------|
| COMMON   | <i>165 SKs</i>     | @ <i>\$16.35</i> | <i>\$2681.25</i> |                 |
| POZMIX   |                    | @                |                  |                 |
| GBL      | <i>3 SKs</i>       | @ <i>\$21.25</i> | <i>\$63.75</i>   |                 |
| CHLORIDE | <i>6 SKs</i>       | @ <i>\$58.20</i> | <i>\$349.20</i>  |                 |
| ASC      |                    | @                |                  |                 |
| HANDLING | <i>178.42</i>      | <i>OPX</i>       | @ <i>\$2.12</i>  | <i>\$374.68</i> |
| MILBAGE  | <i>8.14 X 22 X</i> | @ <i>\$3.35</i>  | <i>\$420.82</i>  |                 |
| TOTAL    |                    |                  | <i>3889.47</i>   |                 |

REMARKS:  
*mix 165 SKs cement  
Displace with water  
Cement did circulate*

*179.08*

TOTAL *3889.47*

*72*

CHARGE TO: *Grand mesa*

STREET

CITY STATE ZIP

SERVICE

|                          |                  |                 |
|--------------------------|------------------|-----------------|
| DEPTH OF JOB <i>219'</i> |                  |                 |
| PUMP TRUCK CHARGE        | <i>\$1125.00</i> |                 |
| EXTRA FOOTAGE            | @                |                 |
| MILBAGE <i>22</i>        | @ <i>\$7.00</i>  | <i>\$154.00</i> |
| MANIFOLD <i>Swedge</i>   | @                | <i>\$200.00</i> |
| LV mileage               | @ <i>\$4.00</i>  | <i>\$98.00</i>  |
| TOTAL <i>\$1567.00</i>   |                  |                 |

To: Allied Oil & Gas Services, LLC.  
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PLUG & FLOAT EQUIPMENT

|       |   |  |
|-------|---|--|
|       | @ |  |
|       | @ |  |
|       | @ |  |
|       | @ |  |
|       | @ |  |
| TOTAL |   |  |

PRINTED NAME *Anthony Martin*

SIGNATURE *Anthony Martin*

SALES TAX (If Any) *249.08*

TOTAL CHARGES *5,456.47*

DISCOUNT *20* *1091.34* IF PAID IN 30 DAYS



JOB LOG

SWIFT Services, Inc.

DATE 8-17-12 PAGE NO. 7

CUSTOMER GRAND MESA WELL NO. 1-27 LEASE GLENWYS JOB TYPE 5 1/2" 2-STAGE LONGSTRAWG TICKET NO. 21939

| CHART NO. | TIME | RATE (BPM) | VOLUME (BBL)(GAL) | PUMPS |   | PRESSURE (PSI) |        | DESCRIPTION OF OPERATION AND MATERIALS         |
|-----------|------|------------|-------------------|-------|---|----------------|--------|--|
|           |      |            |                   | T     | C | TUBING         | CASING |  |
|           | 0100 |            |                   |       |   |                |        | ON LOCATION                                    |
|           | 0200 |            |                   |       |   |                |        | START 5 1/2" CASING IN WELL                    |
|           |      |            |                   |       |   |                |        | TD-4630 SETc 4624                              |
|           |      |            |                   |       |   |                |        | TP-4628 5 1/2" 15.5                            |
|           |      |            |                   |       |   |                |        | ST-11'   |
|           |      |            |                   |       |   |                |        | CENTRAL WELLS - 2, 4, 6, 8, 10, 12, 14, 16, 53 |
|           |      |            |                   |       |   |                |        | OMT BKTS - 2, 54                               |
|           |      |            |                   |       |   |                |        | DV TOOLc 2355 TOP JT # 54                      |
|           | 0410 |            |                   |       |   |                |        | DROP BALL - CIRCULATE ROTATE                   |
|           | 0435 | 6          | 12                |       | ✓ |                | 500    | PUMP 500 GAL MUDFLUSH                          |
|           | 0437 | 6          | 20                |       | ✓ |                | 500    | PUMP 20 BBLS KCL - FLUSH                       |
|           | 0442 | 4 1/4      | 42                |       | ✓ |                | 300    | MIX CEMENT - 175 SKS EA-2 = 15.5 PPG           |
|           | 0452 |            |                   |       |   |                |        | WASH OUT PUMP - LEASE                          |
|           | 0452 |            |                   |       |   |                |        | RELEASE 1ST STAGE LATCH DOWN PUG               |
|           | 0455 | 7          | 0                 |       | ✓ |                |        | DISPLACE PUG                                   |
|           | 0510 | 6 1/2      | 109.9             |       |   |                | 1500   | PUG DOWN - PSE UP LATCH IN PUG                 |
|           | 0512 |            |                   |       |   |                | OK     | RELEASE PSE - HEAD WASH TRUCK                  |
|           | 0520 |            |                   |       |   |                |        | DROP DV OPENING PUG                            |
|           | 0535 |            |                   |       | ✓ |                | 1200   | OPEN DV TOOL - CIRCULATE                       |
|           | 0735 | 6          | 20                |       | ✓ |                | 300    | PUMP 20 BBLS KCL - FLUSH                       |
|           | 0740 |            | 7-5               |       |   |                |        | PUG RH (30 SKS) MH (15 SKS)                    |
|           | 0745 | 6 1/2      | 142               |       | ✓ |                | 300    | MIX CEMENT - 255 SKS SMD = 11.2 PPG            |
|           | 0812 |            |                   |       |   |                |        | WASH OUT PUMP - LEASE                          |
|           | 0812 |            |                   |       |   |                |        | RELEASE DV CLOSING PUG                         |
|           | 0815 | 6 1/2      | 0                 |       | ✓ |                |        | DISPLACE PUG                                   |
|           | 0823 | 5          | 56.0              |       |   |                | 1750   | PUG DOWN - PSE UP <del>CATCH</del> DV TOOL     |
|           | 0825 |            |                   |       |   |                | OK     | DV CLOSED - RELEASE PSE-HEAD                   |
|           |      |            |                   |       |   |                |        | CIRCULATED 30 SKS CEMENT TO PET                |
|           |      |            |                   |       |   |                |        | WASH TRUCK                                     |
|           | 0930 |            |                   |       |   |                |        | JOB COMPLETE                                   |

THANK YOU  
 WAYNE, DAVE K, TJ, FLEET, JEREMY  
 Al. Tony Martez Wayne



# Pro-Stim Chemicals, LLC

P.O. Box 25  
 Cheyenne Wells, CO 80810

OCT - 5 2012

# Invoice

|           |           |
|-----------|-----------|
| Date      | Invoice # |
| 9/14/2012 | 69771     |

|  |
|--|
| <b>Bill To</b>   |
| Grand Mesa Operating Co.<br>1700 N. Waterfront Pkwy - Bldg 600<br>Wichita, KS 67206-6614 |

|                |
|----------------|
| <b>Ship To</b> |
|                |

|                     |              |             |               |
|---------------------|--------------|-------------|---------------|
| <b>Requested By</b> | <b>Terms</b> | <b>Ship</b> | <b>Lease</b>  |
|                     | Net 30       | 9/6/2012    | GLENNIS #1-27 |

| Quantity | Item Code        | Description           | Price Each | Amount |
|----------|------------------|-----------------------|------------|--------|
| 250      | 15% HCl ACID     | GALLONS               | 1.78       | 445.00 |
| 8        | S-3000           | GALLONS               | 23.56      | 188.48 |
| 4        | RENAB            | GALLONS               | 17.89      | 71.56  |
| 1        | AR-630           | GALLONS               | 25.79      | 25.79  |
| 1        | AI-150           | GALLONS               | 20.15      | 20.15  |
| 1        | S-262            | GALLONS               | 14.36      | 14.36  |
| 1        | AC-307           | GALLONS               | 18.61      | 18.61  |
| 30       | KCL BIOCIDE - 2% | BRLS                  | 3.16       | 94.80  |
| 1        | DUMP JOB         |                       | 158.00     | 158.00 |
| 3.5      | TRUCK TIME       | HOURS                 | 95.00      | 332.50 |
|          |                  | Sales Tax - LOGAN CO. | 7.80%      | 0.00   |

|              |  |  |            |
|--------------|--|--|------------|
| <b>Total</b> |  |  | \$1,369.25 |
|--------------|--|--|------------|

|                |              |                     |
|----------------|--------------|---------------------|
| <b>Phone #</b> | <b>Fax #</b> | <b>E-mail</b>       |
| 719-767-8071   | 719-767-5925 | prostim@hotmail.com |



# Pro-Stim Chemicals, LLC

P.O. Box 25  
 Cheyenne Wells, CO 80810

OCT - 5 2012

# Invoice

|           |           |
|-----------|-----------|
| Date      | Invoice # |
| 9/26/2012 | 69935     |

|  |
|--|
| Bill To  |
| Grand Mesa Operating Co.<br>1700 N. Waterfront Pkwy - Bldg 600<br>Wichita, KS 67206-6614 |

|         |
|---------|
| Ship To |
|         |

|              |        |           |               |
|--------------|--------|-----------|---------------|
| Requested By | Terms  | Ship      | Lease         |
|              | Net 30 | 9/14/2012 | GLENNIS #1-27 |

| Quantity | Item Code         | Description           | Price Each | Amount   |
|----------|-------------------|-----------------------|------------|----------|
|          |                   | <u>09/12</u>          |            |          |
| 500      | 15% HCl ACID      | GALLONS               | 1.78       | 890.00   |
| 16       | S-3000            | GALLONS               | 23.56      | 376.96   |
| 8        | RENAB             | GALLONS               | 17.89      | 143.12   |
| 2        | AR-630            | GALLONS               | 25.79      | 51.58    |
| 2        | S-262             | GALLONS               | 14.36      | 28.72    |
| 2        | AI-150            | GALLONS               | 20.15      | 40.30    |
| 30       | KCL BIOCIDES - 2% | BRLS                  | 3.16       | 94.80    |
| 1        | DUMP JOB          |                       | 158.00     | 158.00   |
| 4.5      | TRUCK TIME        | HOURS                 | 95.00      | 427.50   |
|          |                   | <u>09/14</u>          |            |          |
| 500      | RWR-1 15%         | GALLONS               | 2.82       | 1,410.00 |
| 30       | KCL BIOCIDES - 2% | BRLS                  | 3.16       | 94.80    |
| 1        | DUMP JOB          |                       | 158.00     | 158.00   |
| 4        | TRUCK TIME        | HOURS                 | 95.00      | 380.00   |
|          |                   | Sales Tax - LOGAN CO. | 7.80%      | 0.00     |

|  |  |  |              |            |
|--|--|--|--------------|------------|
|  |  |  | <b>Total</b> | \$4,253.78 |
|--|--|--|--------------|------------|

|              |              |                     |
|--------------|--------------|---------------------|
| Phone #      | Fax #        | E-mail              |
| 719-767-8071 | 719-767-5925 | prostim@hotmail.com |

Conservation Division  
Finney State Office Building  
130 S. Market, Rm. 2078  
Wichita, KS 67202-3802



Phone: 316-337-6200  
Fax: 316-337-6211  
<http://kcc.ks.gov/>

Mark Sievers, Chairman  
Thomas E. Wright, Commissioner  
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

October 11, 2012

Ronald N. Sinclair  
Grand Mesa Operating Company  
1700 N WATERFRONT PKWY BLDG 600  
WICHITA, KS 67206-5514

Re: ACO1  
API 15-063-22030-00-00  
GLENNIS 1-27  
SE/4 Sec.27-13S-31W  
Gove County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,  
Ronald N. Sinclair