



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1090306  
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 Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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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: \_\_\_\_\_

1090306

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 <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 Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <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> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	Grand Mesa Operating Company
Well Name	PHILLIP 2-26
Doc ID	1090306

All Electric Logs Run

CPDCN Micro Log
AI Shallow Focused Elect Log
Micro Log
Dual Receiver Cmt Bnd Log

Form	ACO1 - Well Completion
Operator	Grand Mesa Operating Company
Well Name	PHILLIP 2-26
Doc ID	1090306

Tops

Name	Top	Datum
Bs/Stone Corral	2374	+498
Heebner	3890	-1018
Lansing	3932	-1060
Muncie Creek	4087	-1215
Stark	4170	-1298
Marmaton	4272	-1400
Little Osage	4398	-1526
Mississippian	4550	-1678
LTD	4636	



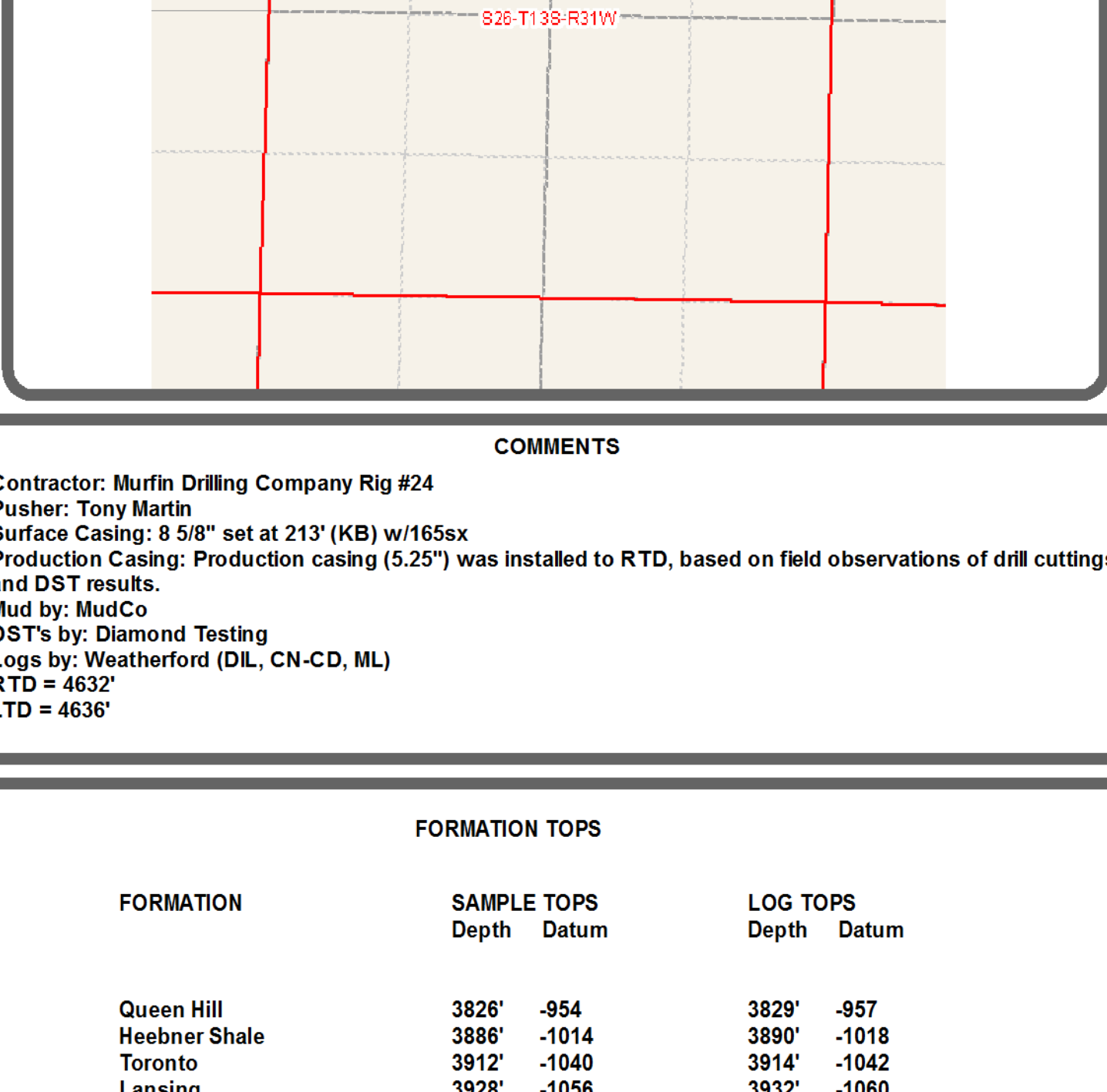
Scale 1:240 (5"=100') Imperial  
Measured Depth Log

Well Name: Phillip #2-26  
Location: 344' FNL, 1491' FWL, 26-13s-31w, Gove County, Kansas  
License Number: API: 15-063-22005 Region: Gove County  
Spud Date: 06/06/2012 Drilling Completed: 06/17/2012  
Surface Coordinates: Lat: 38.9017933  
Long: -100.7366141  
Bottom Hole Coordinates: Vertical hole  
Ground Elevation (ft): 2867' K.B. Elevation (ft): 2872'  
Logged Interval (ft): 3800' To: RTD Total Depth (ft): 4632'  
Formation: Mississippian at RTD  
Type of Drilling Fluid: Chemical

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

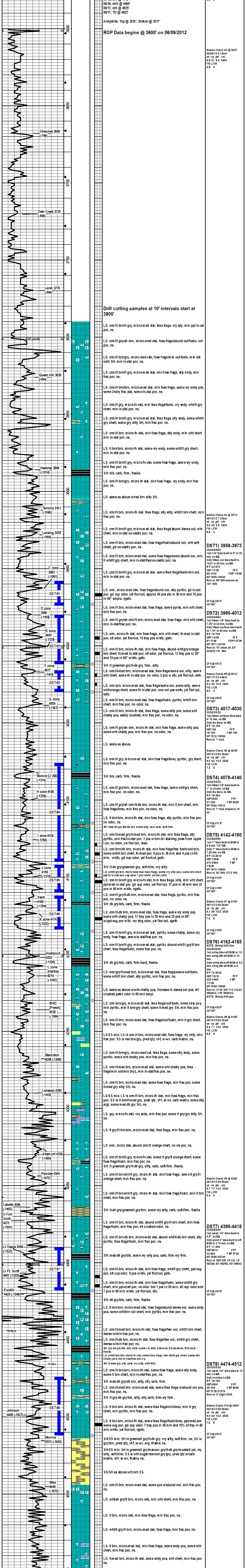


**COMMENTS**

Contractor: Murfin Drilling Company Rig #24  
Pusher: Tony Martin  
Surface Casing: 8 5/8" set at 213' (KB) w/165x  
Production Casing: Production casing (5.25") was installed to RTD, based on field observations of drill cuttings and DST results.  
Mud by: MudCo  
DST's by: Diamond Testing  
Logs by: Weatherford (DIL, CN-CD, ML)  
RTD = 4632'  
LTD = 4636'

**FORMATION TOPS**

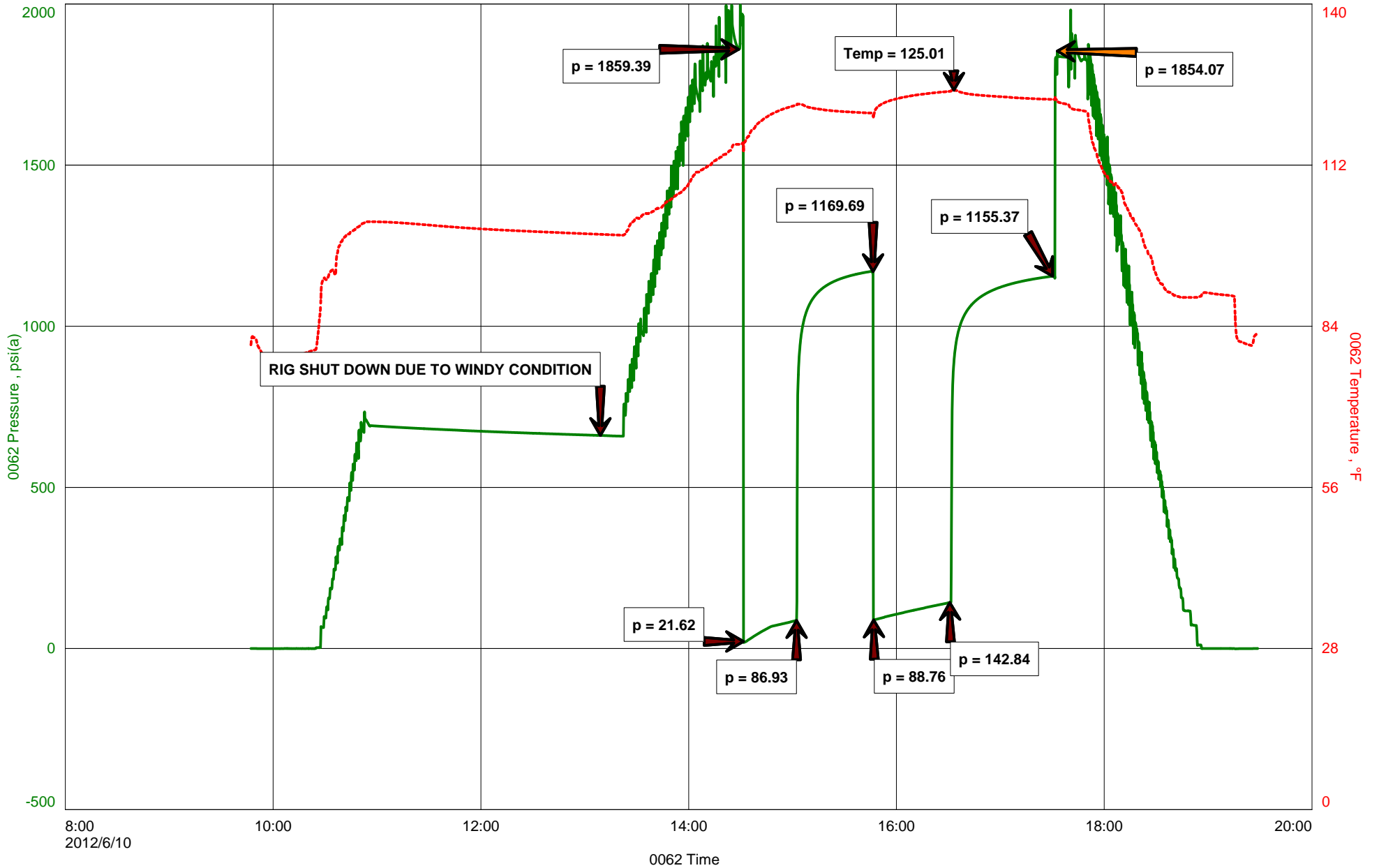
FORMATION	SAMPLE TOPS		LOG TOPS	
	Depth	Datum	Depth	Datum
Queen Hill	3826'	-954	3829'	-957
Heebner Shale	3886'	-1014	3890'	-1018
Toronto	3912'	-1040	3914'	-1042
Lansing	3928'	-1056	3932'	-1060
Muncie Creek Shale	4082'	-1210	4087'	-1215
Stark Shale	4166'	-1294	4171'	-1299
Hushpuckney Shale	4202'	-1330	4207'	-1335
Marmaton	4268'	-1396	4272'	-1400
Upper Fort Scott	4373'	-1501	4378'	-1506
Little Osage Shale	4394'	-1522	4398'	-1526
Excello Shale	4420'	-1548	4427'	-1555
Johnson Zone	4499'	-1627	4506'	-1634
Morrow	4515'	-1643	4522'	-1650
Mississippian	4545'	-1673	4550'	-1678
RTD	4632'	-1760		
LTD			4636'	-1764



RTD 4632' -1760  
LTD 4636' -1764



# PHILLIP #2-26





**DIAMOND TESTING  
ROGER D. FRIEDLY - TESTER  
CELL 620-793-2043**

**Company Name** GRAND MESA OPERATING COMPANY  
**Contact** RONALD N. SINCLAIR  
**Well Name** PHILLIP #2-26  
**Unique Well ID** DST #1 'C' ZONE 3,958' - 3,973'  
**Surface Location** SEC 26-13S-31W GOVE CO., KS  
**Field** WILDCAT

**Job Number** NO. 5  
**Test Unit** ROGER D. FRIEDLY  
**Representative** GRAND MESA OPERATING COMPANY  
**Well Operator** 2012/06/10  
**Report Date** ROGER D. FRIEDLY  
**Prepared By** KENT MATSON  
**Qualified By**

**Test Information**

**Test Type** CONVENTIONAL  
**Formation** DST #1 'C' ZONE 3,958' - 3,973'  
**Test Purpose** Initial Test  
**Well Fluid Type** 01 Oil  
**H2S**

**Start Test Date** 2012/06/10 **Start Test Time** 09:47:00  
**Final Test Date** 2012/06/10 **Final Test Time** 19:29:00

**Remarks**

**RECOVERED:** 95' MW 83% WTR, 17% MUD - WITH A SCUM OF OIL  
181' MW 97% WTR, 23% MUD  
276' TOTAL FLUID

**TOOL SAMPLE:** 2% OIL, 92% WTR, 6% MUD

**CHLORIDES** 55,000 Ppm  
**PH** 7.0  
**RW .1 @ 88 deg**





**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 Other Charges Insurance 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  
ROGER D. FRIEDLY - TESTER  
CELL 620-793-2043**

**Company Name** GRAND MESA OPERATING COMPANY  
**Contact** RONALD N. SINCLAIR  
**Well Name** PHILLIP #2-26  
**Unique Well ID** DST #2 LANSING 3,980' - 4,012'  
**Surface Location** SEC 26-13S-31W GOVE, CO., KS  
**Field** WILDCAT

**Job Number** NO. 5  
**Test Unit** ROGER D. FRIEDLY  
**Representative** GRAND MESA OPERATING COMPANY  
**Well Operator** 2012/06/11  
**Report Date** ROGER D. FRIEDLY  
**Prepared By** KENT MATSON  
**Qualified By**

**Test Information**

**Test Type** CONVENTIONAL  
**Formation** DST #2 LANSING 3,980' - 4,012'  
**Test Purpose** Initial Test  
**Well Fluid Type** 06 Water  
**H2S**

**Start Test Date** 2012/06/11 **Start Test Time** 04:45:00  
**Final Test Date** 2012/06/11 **Final Test Time** 11:21:00

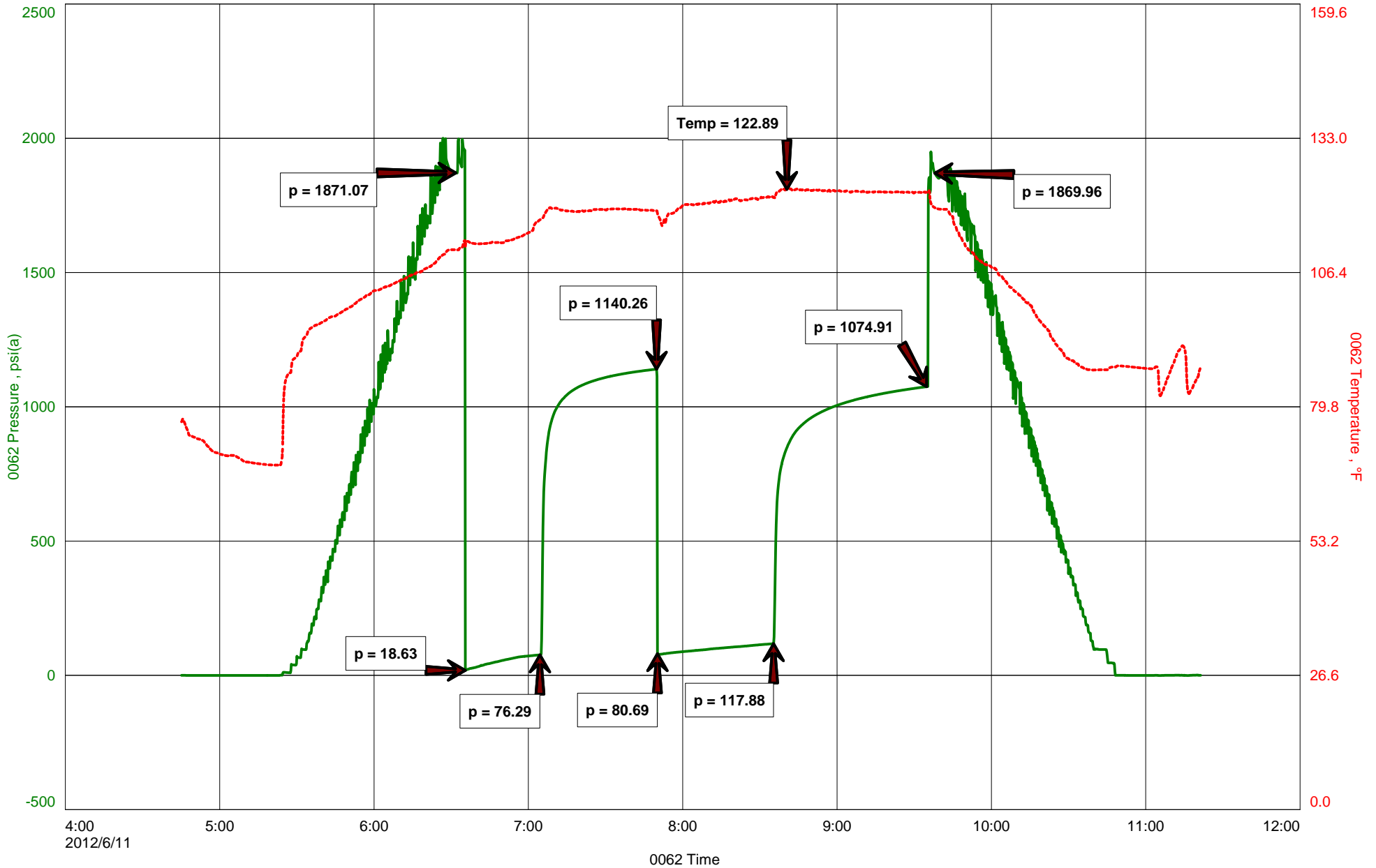
**Remarks**

**RECOVERED:** 10' CLEAN OIL 36.6 GRAVITY @ 60 deg  
25' OCMW 2% OIL, 88% WTR, 18% MUD  
191' MW 83% WTR, 17% MUD - FEW OIL SPECKS  
226' TOTAL FLUID

**TOOL SAMPLE:** 2% OIL, 77% WTR, 21% MUD

**CHLORIDES** 45,000 Ppm  
**PH** 7.0  
**RW .12 @ 80 deg**

# PHILLIP #2-26







**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 Other Charges Insurance 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.

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**DIAMOND TESTING  
ROGER D. FRIEDLY - TESTER  
CELL 620-793-2043**

**Company Name** GRAND MESA OPERATING COMPANY  
**Contact** RONALD N. SINCLAIR  
**Well Name** PHILLIP #2-26  
**Unique Well ID** DST #3 LANS 'F' 4,017' - 4,030'  
**Surface Location** SEC 26-13S-31W GOVE CO., KS  
**Field** WILDCAT

**Job Number** NO. 5  
**Test Unit**  
**Representative** ROGER D. FRIEDLY  
**Well Operator** GRAND MESA OPERATING COMPANY  
**Report Date** 2012/06/11  
**Prepared By** ROGER D. FRIEDLY  
**Qualified By** KENY MATSON

**Test Information**

**Test Type** CONVENTIONAL  
**Formation** DST #3 LANS 'F' 4,017' - 4,030'  
**Test Purpose** Initial Test  
**Well Fluid Type** 01 Oil  
**H2S**

**Start Test Date** 2012/06/11 **Start Test Time** 18:57:00  
**Final Test Date** 2012/06/12 **Final Test Time** 00:38:00

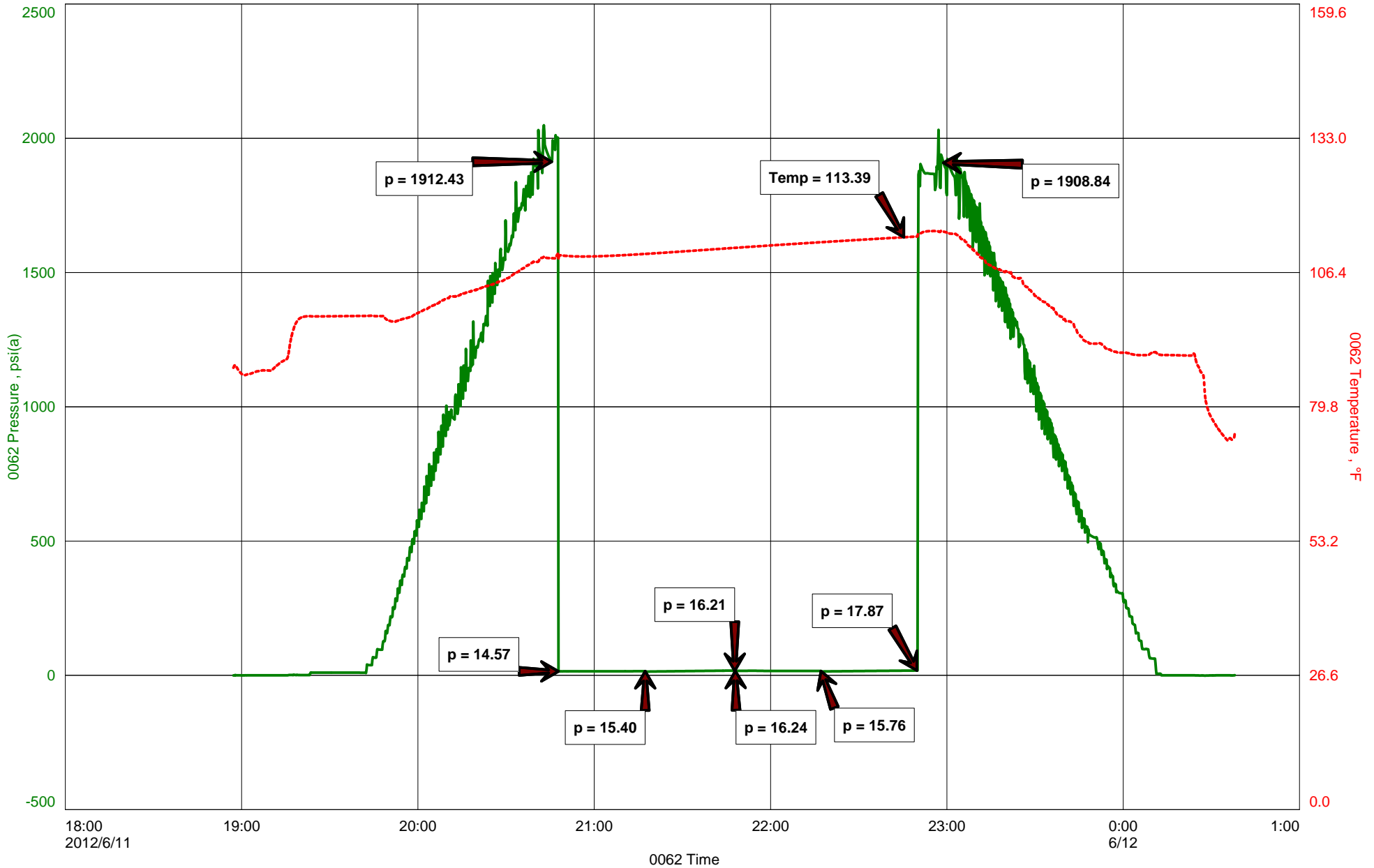
**Remarks**

RECOVERED: 1' DM 100% MUD

TOOL SAMPLE 100% DM



# PHILLIP #2-26







**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 Other Charges Insurance 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**  
**ROGER D. FRIEDLY - TESTER**  
**CELL 620-793-2043**

**Company Name** GRAND MESA OPERATING COMPANY  
**Contact** RONALD N. SINCLAIR  
**Well Name** PHILLIP #2-26  
**Unique Well ID** DST #4 LANS 'H-I' 4,076' - 4,140'  
**Surface Location** SEC 26-13S-31W GOVE CO., KS  
**Field** WILDCAT

**Job Number** NO. 5  
**Test Unit** ROGER D. FRIEDLY  
**Representative** GRAND MESA OPERATING COMPANY  
**Well Operator** 2012/06/12  
**Report Date** ROGER D. FRIEDLY  
**Prepared By** KENT MATSON  
**Qualified By**

**Test Information**

**Test Type** CONVENTIONAL  
**Formation** DST #4 LANS 'H-I' 4,076' - 4,140'  
**Test Purpose** Initial Test  
**Well Fluid Type** 01 Oil  
**H2S**

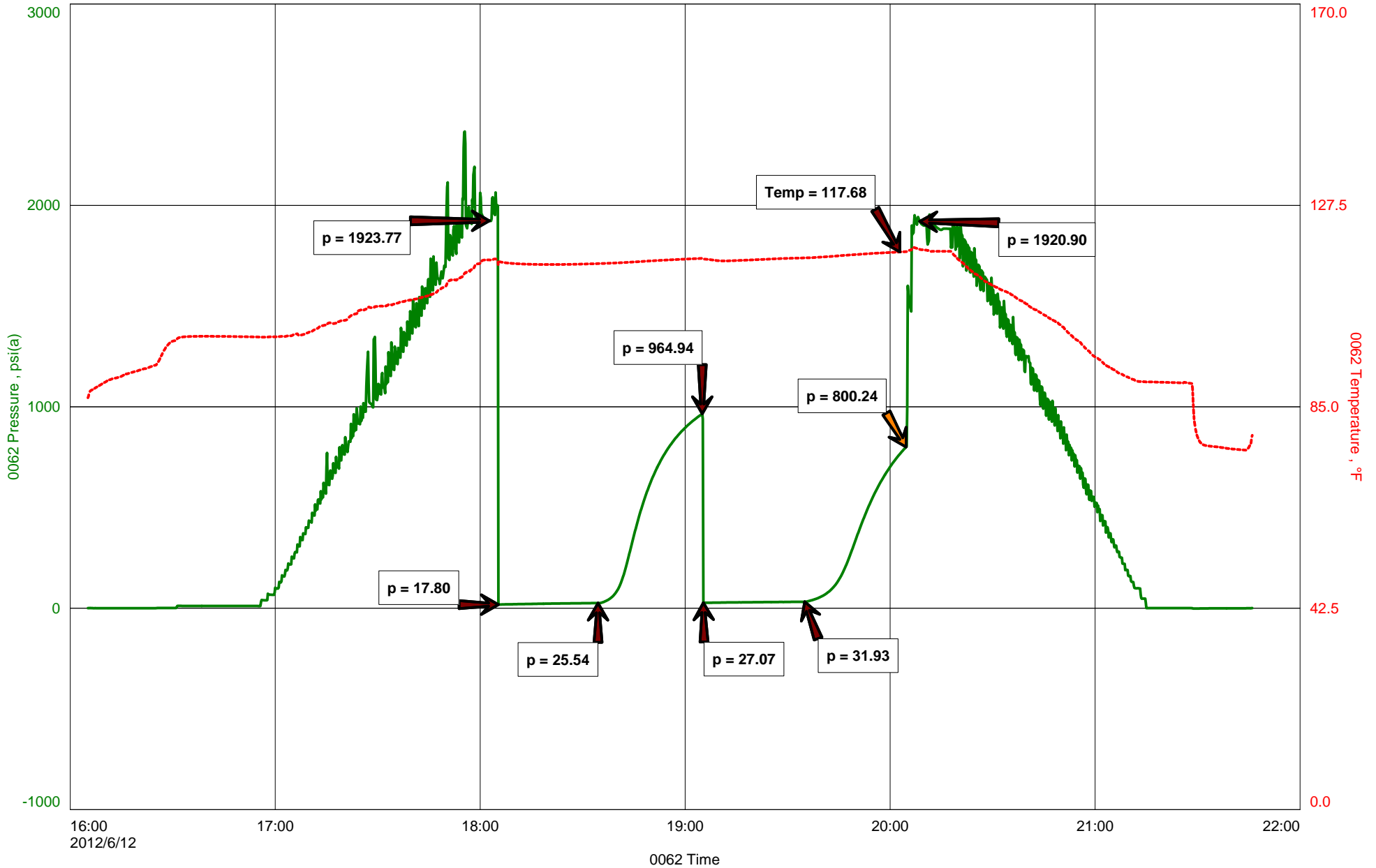
**Start Test Date** 2012/06/12 **Start Test Time** 16:05:00  
**Final Test Date** 2012/06/12 **Final Test Time** 21:46:00

**Remarks**

RECOVERED: 7' DM 100% MUD - FEW OIL SPECKS

TOOL SAMPLE: 100% DM - FEW OIL SPECKS

# PHILLIP #2-26







**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 Other Charges Insurance 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.

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**DIAMOND TESTING  
ROGER D. FRIEDLY - TESTER  
CELL 620-793-2043**

**Company Name** GRAND MESA OPERATING COMPANY  
**Contact** RONALD N. SINCLAIR  
**Well Name** PHILLIP #2-26  
**Unique Well ID** DST #5 LANS 'J' 4,142' - 4,160'  
**Surface Location** SEC 26-13S-31W GOVE CO., KS  
**Field** WILDCAT

**Job Number** NO. 5  
**Test Unit** ROGER D. FRIEDLY  
**Representative** GRAND MESA OPERATING COMPANY  
**Well Operator** 2012/06/13  
**Report Date** ROGER D. FRIEDLY  
**Prepared By** KENT MARSON  
**Qualified By**

**Test Information**

**Test Type** CONVENTIONAL  
**Formation** DST #5 LANS 'J' 4,142' - 4,160'  
**Test Purpose** Initial Test  
**Well Fluid Type** 06 Water  
**H2S**

**Start Test Date** 2012/06/13 **Start Test Time** 04:35:00  
**Final Test Date** 2012/06/13 **Final Test Time** 12:38:00

**Remarks**

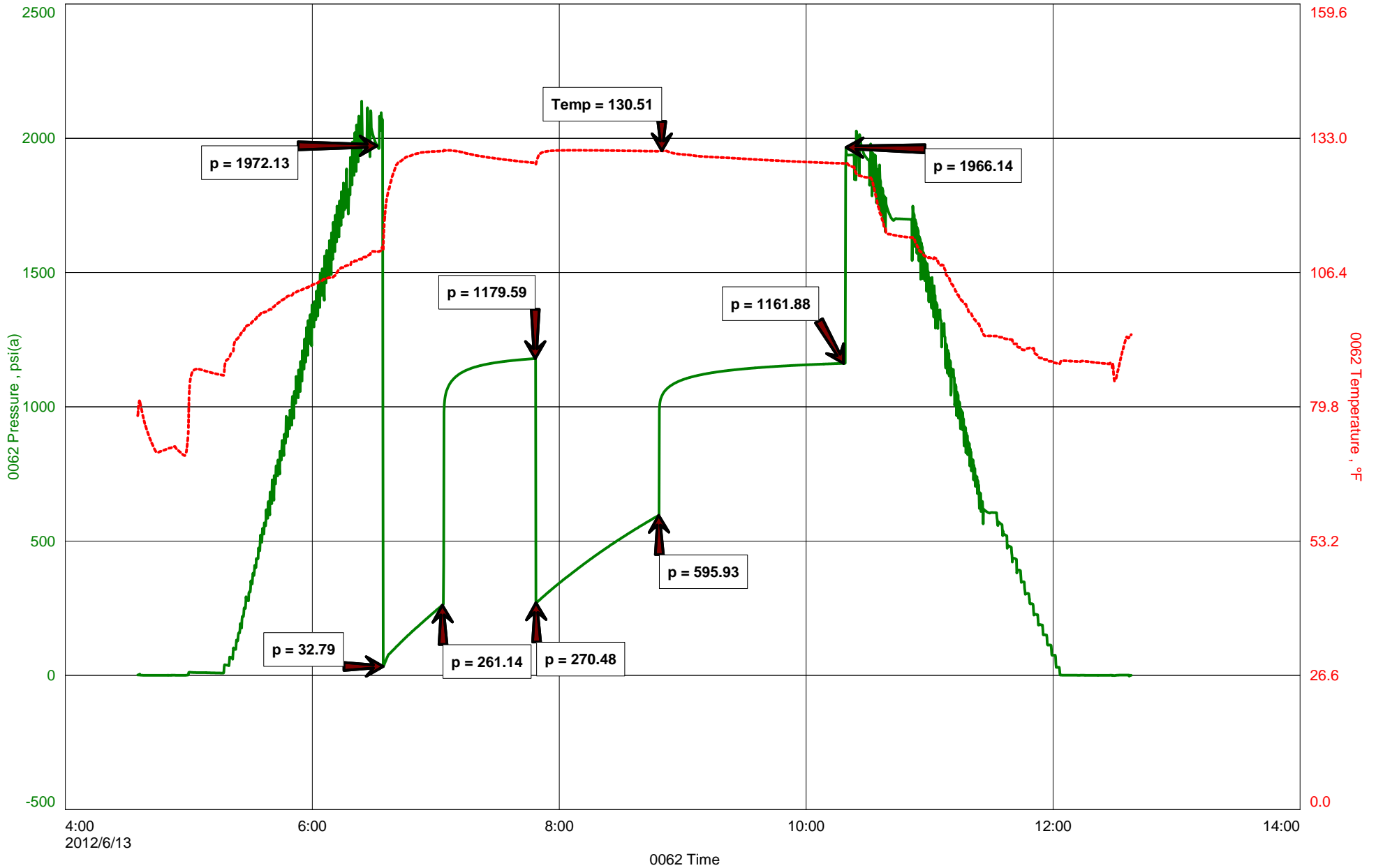
RECOVERED: 92' MW 78% WTR, 22% MUD  
1,173' SW 100% WTR  
1,265' TOTAL FLUID

TOOL SAMPLE: 100% SW - GOOD SCUM OF OIL

CHLORIDES 49,000  
PH 7.0  
RW .11 @ 91 deg



# PHILLIP #2-26







**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.

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**DIAMOND TESTING  
ROGER D. FRIEDLY - TESTER  
CELL 620-793-2043**

**Company Name** GRAND MESA OPERATING COMPANY  
**Contact** RONALD N. SINCLAIR  
**Well Name** PHILLIP #2-26  
**Unique Well ID** DST #6 LANS 4,162' - 4,185'  
**Surface Location** SEC 26-13S-31W GOVE CO., KS  
**Field** WILDCAT

**Job Number** NO. 5  
**Test Unit** ROGER D. FRIEDLY  
**Representative** GRAND MESA OPERATING COMPANY  
**Well Operator** 2012/06/14  
**Report Date** ROGER D. FRIEDLY  
**Prepared By** KENT MATSON  
**Qualified By**

**Test Information**

**Test Type** CONVENTIONAL  
**Formation** DST #6 LANS 'K' 4,162' - 4,185'  
**Test Purpose** Initial Test  
**Well Fluid Type** 01 Oil  
**H2S**

**Start Test Date** 2012/06/13 **Start Test Time** 20:28:00  
**Final Test Date** 2012/06/14 **Final Test Time** 06:52:00

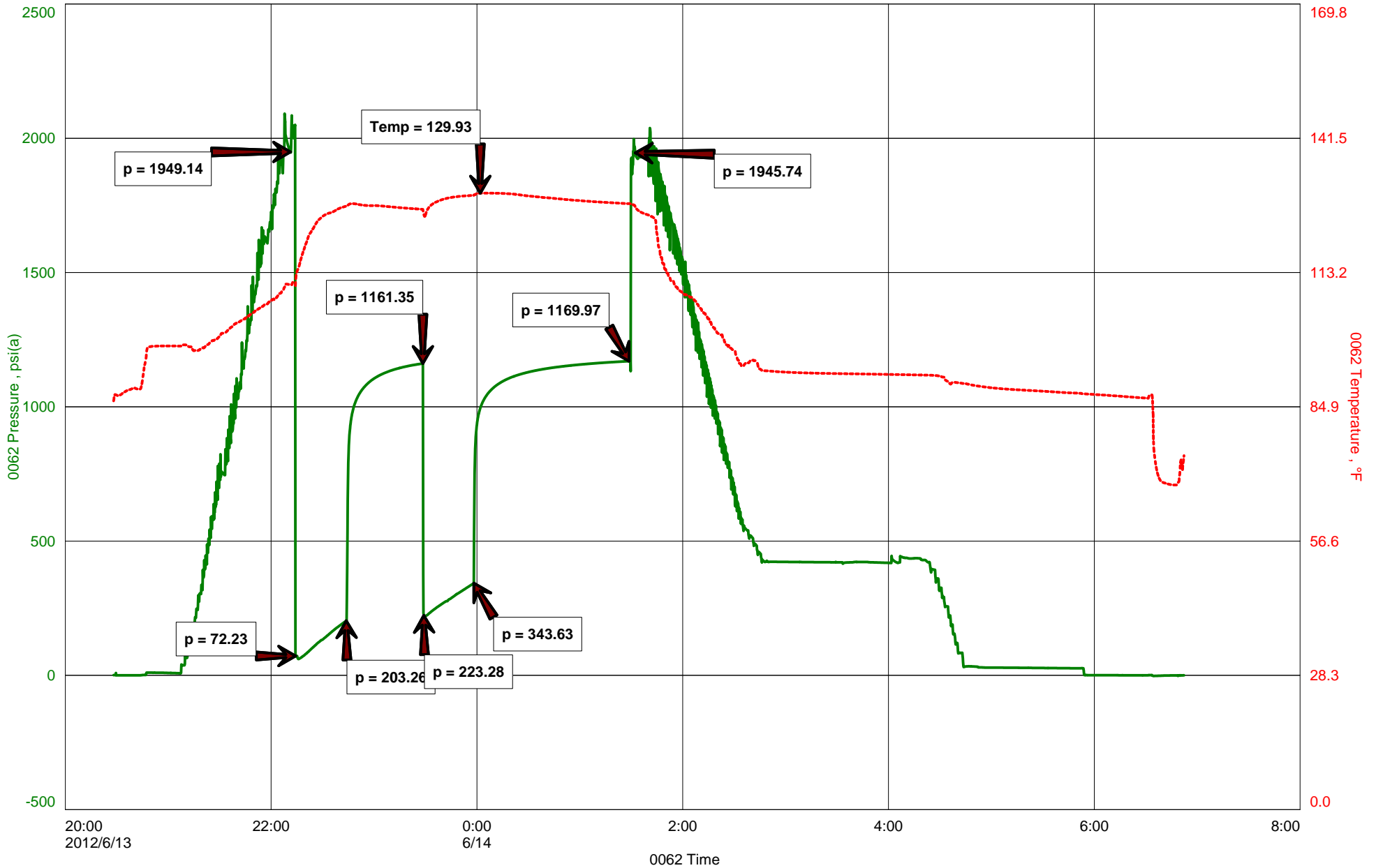
**Remarks**

**RECOVERED:** 3,135' GAS IN PIPE  
30' CLEAN OIL 38.4 GRAVITY @ 60 deg  
683' CLEAN OIL CIR. OUT DUE TO H2S.  
62' SLTWTRCOG 16% GAS, 47% OIL, 2% WTR, 35% MUD  
119' M&WCOG 32% GAS, 36% OIL, 23% WTR, 9% MUD  
894' TOTAL FLUID

**TOOL SAMPLE:** 99% OIL, 1% MUD

**CHLORIDES** 24,000 Ppm  
**PH** 8.0  
**RW** .25 @ 71 deg

# PHILLIP #2-26







**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.

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**DIAMOND TESTING  
ROGER D. FRIEDLY - TESTER  
CELL 620-793-2043**

**Company Name** GRAND MESA OPERATING COMPANY  
**Contact** RONALD SINCLAIR  
**Well Name** PHILLIP #2-26  
**Unique Well ID** DST #7 LOWER FT SCOTT 4,390' - 4,418'  
**Surface Location** SEC 26-13S-31W GOVE CO., KS  
**Field** WILDCAT

**Job Number**  
**Test Unit** NO. 5  
**Representative** ROGER D. FRIEDLY  
**Well Operator** GRAND MESA OPERATING COMPANY  
**Report Date** 2012/06/15  
**Prepared By** ROGER D. FRIEDLY  
**Qualified By** KENT MATSON

**Test Information**

**Test Type** CONVENTIONAL  
**Formation** DST #7 LOWER FT SCOTT 4,390' - 4,418'  
**Test Purpose** Initial Test  
**Well Fluid Type** 01 Oil  
**H2S**

**Start Test Date** 2012/06/15 **Start Test Time** 12:10:00  
**Final Test Date** 2012/06/15 **Final Test Time** 19:48:00

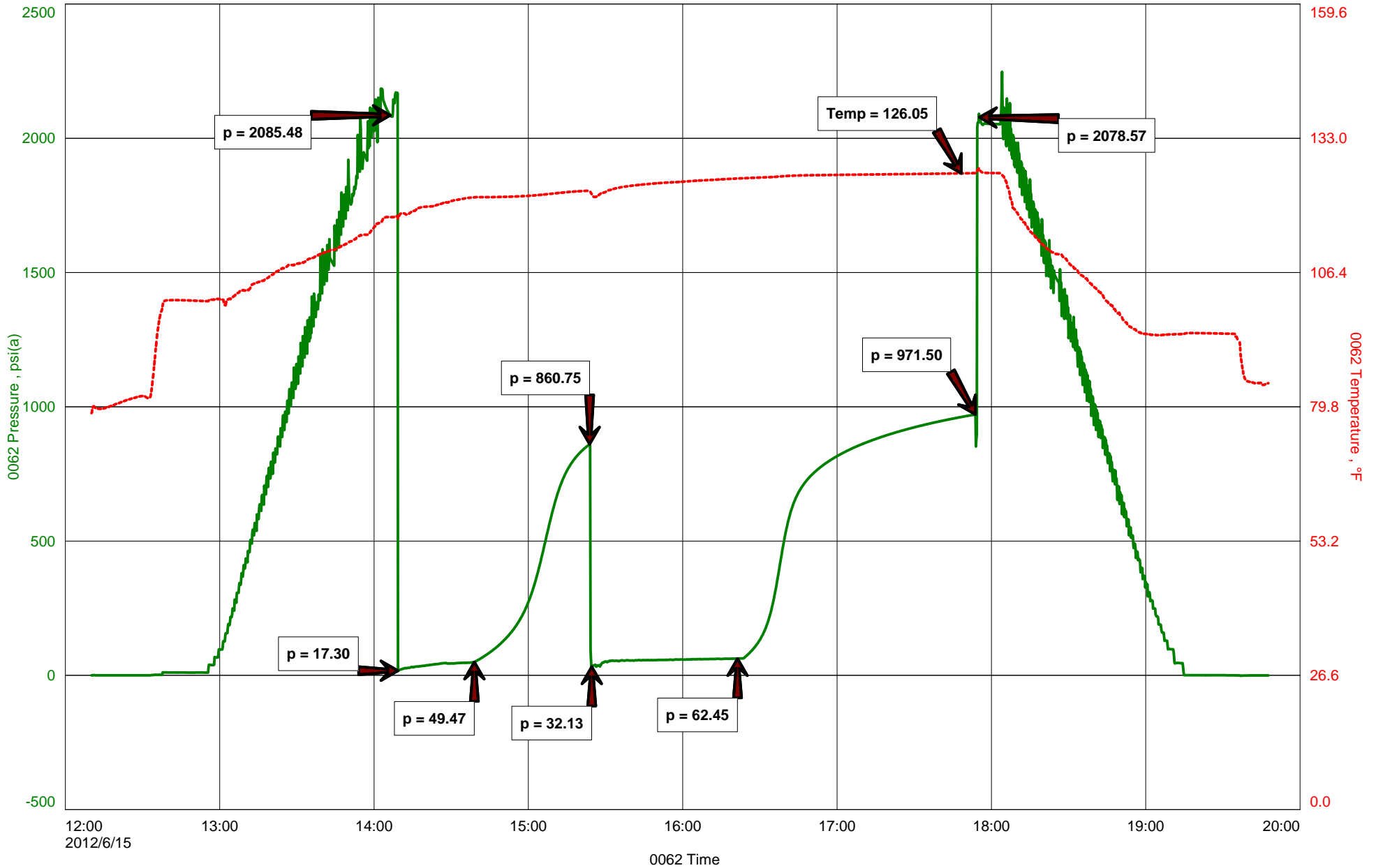
**Remarks**

**RECOVERED:** 280' GAS IN PIPE  
15' CLEAN OIL 34.6 GRAVITY @ 60 deg.  
15' SLTWTR&GCOM 2% GAS, 48% OIL, 1% WTR, 49% MUD  
60' SLTWTR&GCMO 2% GAS, 82% OIL, 1% WTR, 15% MUD  
59' SLTWTR&GCMO 10% GAS, 86% OIL, 1% WTR, 3% MUD  
149' TOTAL FLUID

**TOOL SAMPLE:** 2% GAS, 78% OIL, 3% WTR, 17% MUD



# PHILLIP #2-26







**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.

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**DIAMOND TESTING  
ROGER D. FRIEDLY - TESTER  
CELL 620-793-2043**

**Company Name** GRAND MESA OPERATING COMPANY  
**Contact** RONALD N. SINCLAIR  
**Well Name** PHILLIP #2-26  
**Unique Well ID** DST #8 JOHNSON 4,474' - 4,512'  
**Surface Location** SEC 26-13S-31W GOVE CO., KS  
**Field** WILDCAT

**Job Number** NO. 5  
**Test Unit** ROGER D. FRIEDLY  
**Representative** GRAND MESA OPERATING COMPANY  
**Well Operator** 2012/06/16  
**Report Date** ROGER D. FRIEDLY  
**Prepared By** KENT MATSON  
**Qualified By**

**Test Information**

**Test Type** CONVENTIONAL  
**Formation** DST #8 JOHNSON 4,474' - 4,512'  
**Test Purpose** Initial Test  
**Well Fluid Type** 01 Oil  
**H2S**

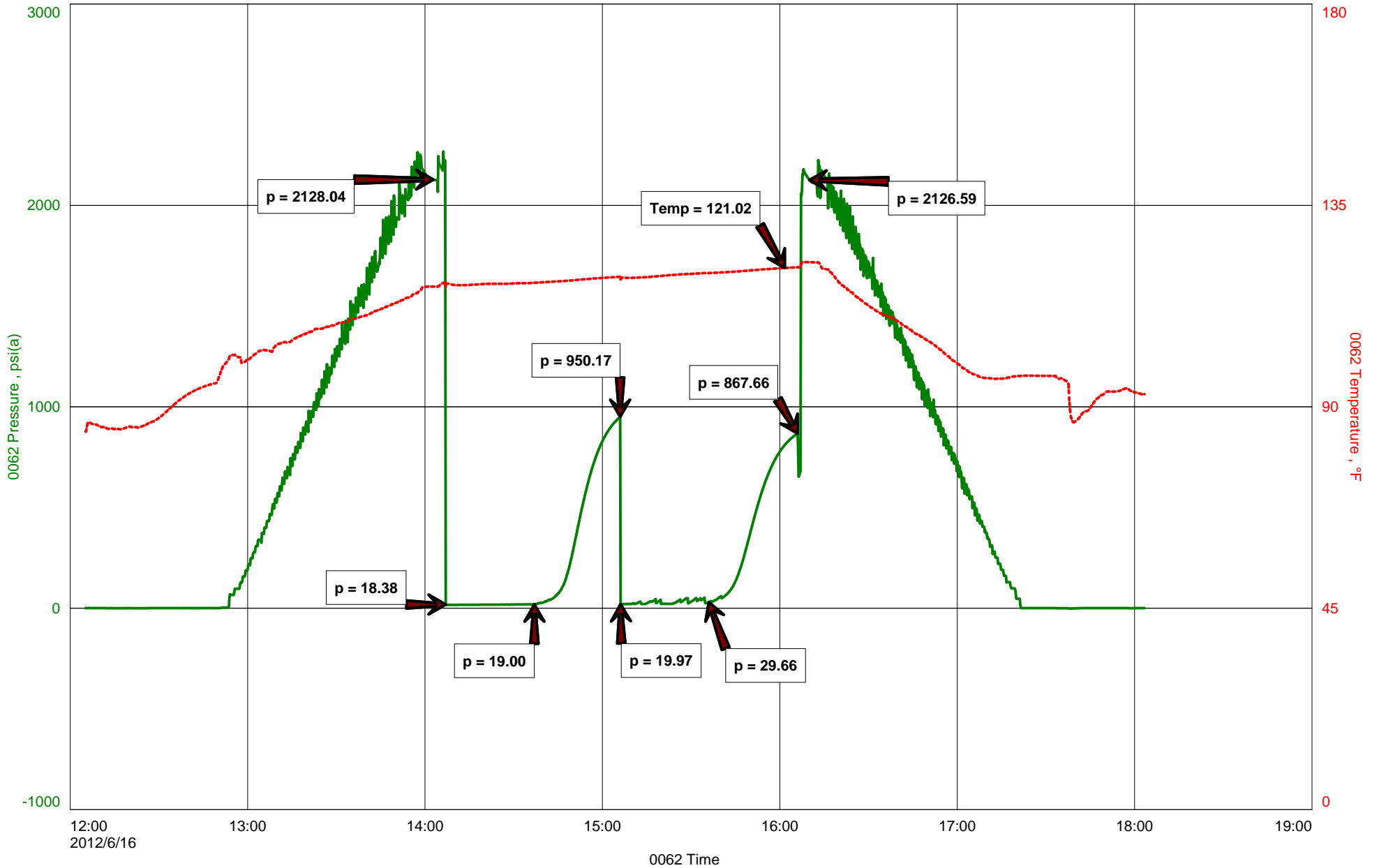
**Start Test Date** 2012/06/16 **Start Test Time** 12:05:00  
**Final Test Date** 2012/06/16 **Final Test Time** 18:03:00

**Remarks**

**RECOVERED:** 3' SLTOCM 2% OIL, 98% MUD

**TOOL SAMPLE:** 3% OIL, 97% MUD

# PHILLIP #2-26







**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.





**CONSOLIDATED**  
Oil Well Services, LLC

PO Box 884, Chanute, KS 66720  
620-431-9210 or 800-467-8676

TICKET NUMBER 33968  
LOCATION Oakley  
FOREMAN Fuzzy  
Miles S

**FIELD TICKET & TREATMENT REPORT**  
**CEMENT**

KS

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY												
6-6-12	3372	Phillip 2-26	26	13	31	Gove												
CUSTOMER Grand Mesa Operating			<table border="1"> <thead> <tr> <th>TRUCK #</th> <th>DRIVER</th> <th>TRUCK #</th> <th>DRIVER</th> </tr> </thead> <tbody> <tr> <td>463</td> <td>Cody R</td> <td></td> <td></td> </tr> <tr> <td>429</td> <td>Wes F</td> <td></td> <td></td> </tr> </tbody> </table>				TRUCK #	DRIVER	TRUCK #	DRIVER	463	Cody R			429	Wes F		
TRUCK #	DRIVER	TRUCK #					DRIVER											
463	Cody R																	
429	Wes F																	
MAILING ADDRESS																		
CITY	STATE	ZIP CODE																

JOB TYPE Surface HOLE SIZE 12 1/4 HOLE DEPTH 213' CASING SIZE & WEIGHT 8 5/8  
 CASING DEPTH 213' DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 14-7 SLURRY VOL 1.36 WATER gal/sk 6.5 CEMENT LEFT in CASING 20'  
 DISPLACEMENT 12.2 DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE \_\_\_\_\_

REMARKS: Safety meeting on morning #24. Rig up and circulate.  
Mix 16 sacks class 'A' 390cc 290gal. Displace 12 1/4 ASL  
and shut in. Cement did circulate approx 5 sacks to pit

Thanks Fuzzy  
+ crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5405	1	PUMP CHARGE	1085 <sup>00</sup>	1085 <sup>00</sup>
5406	20	MILEAGE	5 <sup>00</sup>	100 <sup>00</sup>
5407	7.8400	Tow mileage delivery (mic)	410 <sup>00</sup>	410 <sup>00</sup>
11045	165 sacks	Class 'A' cement	17 <sup>05</sup>	2912 <sup>25</sup>
1102	465 #	Calcium chloride	0.89	413 <sup>85</sup>
11188	310 #	Bentonite	0.25	77 <sup>50</sup>
		Subtotal		4998 <sup>60</sup>
		less 1090		499 <sup>80</sup>
		Subtotal		4498 <sup>74</sup>
		SALES TAX		246 <sup>59</sup>
		ESTIMATED TOTAL		4745 <sup>33</sup>

Ravin 3737

AUTHORIZATION

*Anthony Mart*

TITLE Paster

250310

DATE 6-6-12

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.



JOB LOG

SWIFT Services, Inc.

DATE 17 Jun 12 PAGE NO. 1

CUSTOMER Grand Mesa WELL NO. 2-26 LEASE Phillips JOB TYPE 2-stage long string TICKET NO. 23121

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								175 sk EA-2 / 300 sks SMD w/ 4" Flocide
								5 1/2" x 15.5" casing / 4633'
								TD 4632 DV tool 454 2358'
								Centralizer 3, 4, 6, 8, 10, 12, 14 53 Passt 454, 2
	2300							on loc TRK 114
	2315							start 5 1/2" x 15.5" casing in well
18 Jun	0100							Drop ball - circulate - ROTATE
	0140		32					Pump 50 gal mud flush + 20 bbl KCL flush
	0150	4 3/4	42			250		mix EA-2 cement 175 sks @ 15.3 ppg
	0155							wash out pump & line.
	0200	6 3/4	54			250		Drop latch down plug (1st stage)
		6 3/4	56			300		Displace plug w/ H <sub>2</sub> O
	0215	6 3/4	110			1450		Displace plug w/ mud
								Land plug
								Release pressure to truck - dried up
								wash truck
								circulate. Drop bomb
	0220					1100		open DV tool
	0225							circulate well
	0445		7					Plug RH - MH 30 sks - 20 sks
	0500	6 1/2	135			200		mix SMD cement <del>300 sks</del> @ 11.2 ppg
								Drop 2nd stage plug
	0515	4 1/4				250		Displace plug
		4 1/4	40			450		- cement to surface - {30 sks}
	0530	4 1/4	56			1500		Land plug - close DV {TOP}
								Release pressure to truck - dried up
	0535							wash truck
								Back up
	0610							job complete
								Thumbs
								TJ, Blaine, Dave, & Doug

# Pro-Stim Chemicals LLC

67442

## Acidizing Report

Date 7-2-12

Customer <u>Grand Mesa</u>		Pro-Stim Chemical Yard <u>Dighton</u>		Pro-Stim Number <u>A6</u>	
Well Name & Number <u>Phillip 2-26</u>		Field		Formation <u>Spot</u>	
County <u>Gore</u>	State <u>KS</u>	BHT	YD	Interval <u>4413 Top Perf-4418</u>	

Well Type: Completion  Recompletion  Workover  Oil  Gas  Water  Disposal  Perf  OH

Job Pumped Via: Tubing  Casing  Annulus  CTU  Combination  Plug Depth \_\_\_\_\_ Packer Depth 9350

Casing Size: <u>5 1/2</u>	GRD	WT	Depth	Tubing Size: <u>2 7/8</u>	GRD	WT	Spot
Casing Vol. <u>1.5</u>	Tbg Vol <u>25.2</u>	Ann Vol	OH Vol	Total Displacement			
Maximum Pressure	Tubing	Casing	Proposed Pump Time	AOL	Leave Loc		

Special Instructions:  
750 gals RWR-1 15% Acid  
8gals PAS-8

### Treatment Record

Time	Type Fluid	Rate BMP	Increment Vol Bbls	Cum Vol Bbls	Pressure		Observations
					Tubing	Casing	
<i>minutes</i>							Safety Meeting
							Prs Test to _____ psi
2	Acid	2.7		5	20		start balls
8	Acid	1.0		10	-10		Balls gone (10 B/B balls)
11	Acid	2.7		18	40		Acid gone
14	Flush	0		26.6	60		hole loaded
16	Flush	0		27	800		max pressure
17	Flush	.2		27.6	750		
22	Flush	.2		28.6	670		
27	Flush	1.0		31.6	750		
29	Flush	1.5		34.3	560		
30	Flush	2.0		35.8	650		
34	Flush	2.0		45	650		Total load pumped

### Treatment Synopsis

Avg Inj Rate	Fluid BPM	Total Injected		H2O <u>27</u>	Acid <u>18</u>	Oil
Treating Prs	Max <u>800</u>	Final <u>650</u>	Avg.	ISIP <u>600</u>	5'SI <u>450</u>	10'SI <u>380</u> 15'SI <u>290</u>
Customer Representative				Pro-Stim Supervisor	<u>Shannon M.</u>	



# Pro-Stim Chemicals, LLC

P.O. Box 25  
 Cheyenne Wells, CO 80810

JUL 23 2012

# Invoice

Date	Invoice #
7/17/2012	67442

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

<b>Ship To</b>

<b>Requested By</b>	<b>Terms</b>	<b>Ship</b>	<b>Lease</b>
	Net 30	7/2/2012	PHILLIPS #2-26

Quantity	Item Code	Description	Price Each	Amount
750	RWR-1 15%	GALLONS	2.82	2,115.00
8	PAS-8	GALLONS	16.10	128.80
30	KCL BIOCID - 2%	BRLS	3.16	94.80
10	BALLS - BIO-DEGRADEA...	EACH	7.00	70.00
1	BALL LAUNCHER		80.00	80.00
1	DUMP JOB		158.00	158.00T
4	TRUCK TIME	HOURS	95.00	380.00T
		Sales Tax - GOVE CO.	8.05%	43.31

			<b>Total</b>	\$3,069.91
--	--	--	--------------	------------

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

*[Handwritten signature]*

67453

Acidizing Report

PRO-STIM CHEMICALS

Date 7-3-12

Customer	GRAND MESA	Pro-Stim Chemical Yard	DIGHTON	Pro-Stim Number	
Well Name & Number	Phillip 2-26	Field		Formation	Fordscott Spot
County	Gove	State	KS	BHT	YD
				Interval	4413 - 4418

Well Type: Completion  Recompletion  Workover  Oil  Gas  Water  Disposal  Perf  OH

Job Pumped Via: Tubing <input type="checkbox"/> Casing <input type="checkbox"/> Annulus <input type="checkbox"/> CTU <input type="checkbox"/> Combination <input type="checkbox"/>	Plug Depth	Packer Depth
		4350

Casing Size: 5 1/2	GRD	WT	Depth	Tubing Size: 2 7/8	GRD	WT	Spot
Casing Vol.	Tbg Vol	Ann Vol	OH Vol	Total Displacement 28 BBL			
Maximum Pressure	Tubing	Casing	Proposed Pump Time	AOL	Leave Loc		

Special Instructions: 1000 Gal 15% 36 5-3000 4-S-262  
 28 BBLs 290 KCL 5 Pas-8 3 AF 150  
 4 AC-307

Treatment Record

Time	Type Fluid	Rate BMP	Increment Vol Bbls	Cum Vol Bbls	Pressure		Observations
					Tubing	Casing	
							Safety Meeting
							Prs Test to _____ psi
1	Acid	3.5		8	0	0	
5	Acid	3.5		15	0	0	
24	Acid	3.5		24	0	0	Acid gone
25	Flush	3.5		26.1	0	0	Loaded
27	Flush	2		28	200	0	
30	Flush	3		31	500	0	
33	Flush	3		35	550	0	
35	Flush	3		39	620	0	Ball Action
36	Flush	3.5		42	750	0	
38	Flush	3.5		46	780	0	
40	Flush	3.5		50	800	0	
42	Flush	3.5		52	800	0	

Treatment Synopsis

Avg Inj Rate	Fluid BPM 3	Total Injected	H2O 28	Acid 24	Oil
Treating Prs.	Max 800	Final 800	Avg. 700	ISIP 750	5'SI 490
Customer Representative	[Signature]			10'SI 380	15'SI 340
				Pro-Stim Supervisor	



# Pro-Stim Chemicals, LLC

P.O. Box 25  
Cheyenne Wells, CO 80810

JUL 23 2012

# Invoice

Date	Invoice #
7/17/2012	67453

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

Ship To

Requested By	Terms	Ship	Lease
	Net 30	7/3/2012	PHILLIPS #2-26

Quantity	Item Code	Description	Price Each	Amount
1,000	15% HCl ACID	GALLONS	1.78	1,780.00
28	S-3000	GALLONS	23.56	659.68
15	PAS-8	GALLONS	16.10	241.50
4	AC-307	GALLONS	18.61	74.44
4	S-262	GALLONS	14.36	57.44
3	AI-150	GALLONS	20.15	60.45
1	DUMP JOB		158.00	158.00T
15	BALLS - BIO-DEGRADEA...	EACH	7.00	105.00
1	BALL LAUNCHER		80.00	80.00
30	KCL BIOCID - 2%	BRLS	3.16	94.80
3.5	TRUCK TIME	HOURS	95.00	332.50T
		Sales Tax - GOVE CO.	8.05%	39.49

**Total** \$3,683.30

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

Sam Brownback, Governor

August 13, 2012

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

Re: ACO1  
API 15-063-22005-00-00  
PHILLIP 2-26  
NW/4 Sec.26-13S-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