



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1159082
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: _____



1159082

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 <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No 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: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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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

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <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> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Mull Drilling Company, Inc.
Well Name	Tjaden 'C' 3
Doc ID	1159082

All Electric Logs Run

CDL/CNL/PE
DIL
MEL
Sonic

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

September 20, 2013

Mark Shreve
Mull Drilling Company, Inc.
1700 N WATERFRONT PKWY
BLDG 1200
WICHITA, KS 67206-6637

Re: ACO1
API 15-095-22272-00-00
Tjaden 'C' 3
NW/4 Sec.18-30S-07W
Kingman 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,
Mark Shreve



DRILL STEM TEST REPORT

Prepared For: **Mull Drilling Co. Inc.**

1700 N. Waterfront Pkwy.
Bldg. 1200
Wichita KS 67206

ATTN: Kevin Kessler

T Jaden C #3

18-30s-7w Kingman, KS

Start Date: 2013.06.04 @ 09:38:23

End Date: 2013.06.04 @ 17:47:53

Job Ticket #: 52283 DST #: 1

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2013.06.06 @ 14:20:29



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Mull Drilling Co. Inc.
1700 N. Waterfront Pkw y.
Bldg. 1200
Wichita KS 67206
ATTN: Kevin Kessler

18-30s-7w Kingman, KS

T Jaden C #3

Job Ticket: 52283

DST#: 1

Test Start: 2013.06.04 @ 09:38:23

GENERAL INFORMATION:

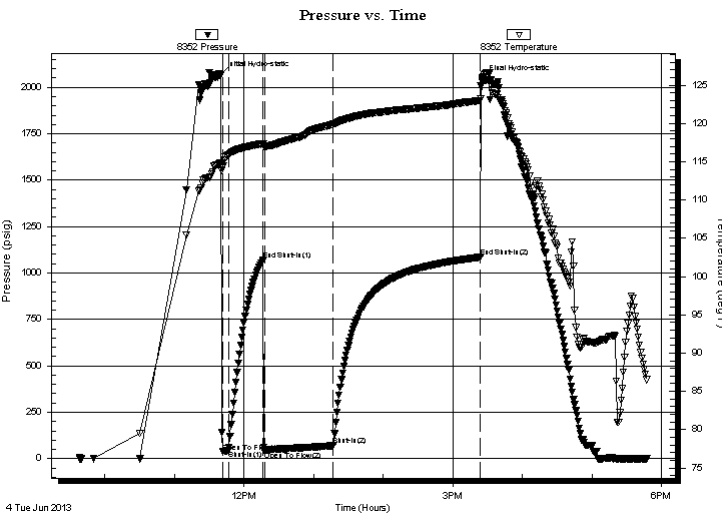
Formation: **Miss.**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 11:41:53
 Time Test Ended: 17:47:53
 Interval: **4148.00 ft (KB) To 4195.00 ft (KB) (TVD)**
 Total Depth: 4195.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Gary Pevoteaux
 Unit No: 56
 Reference Elevations: 1482.00 ft (KB)
 1472.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 8352

Inside

Press @ Run Depth: 71.05 psig @ 4149.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.06.04 End Date: 2013.06.04 Last Calib.: 2013.06.04
 Start Time: 09:38:28 End Time: 17:47:52 Time On Btm: 2013.06.04 @ 11:39:38
 Time Off Btm: 2013.06.04 @ 15:25:38

TEST COMMENT: IF: Strong blow . B.O.B. in 3 - 4 secs.
 IS: Weak blow . (surface)
 FF: Strong blow . B.O.B. in 1 sec. GTS in 31 mins. (see gas flow report)
 FS: Weak blow . 1/4" or less.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2065.33	114.77	Initial Hydro-static
3	36.18	114.31	Open To Flow (1)
8	43.36	115.90	Shut-In(1)
37	1071.20	117.37	End Shut-In(1)
38	40.72	117.03	Open To Flow (2)
98	71.05	119.89	Shut-In(2)
225	1085.25	122.97	End Shut-In(2)
226	2038.88	125.85	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	GOCMW 34%g 11%o 25%m 30%w	0.59
55.00	GOCWM 11%g 8%o 26%w 55%m	0.77

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	2.00	25.70
Last Gas Rate	0.25	1.00	24.11
Max. Gas Rate	0.25	2.00	25.70



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Mull Drilling Co. Inc.
1700 N. Waterfront Pkw y.
Bldg. 1200
Wichita KS 67206
ATTN: Kevin Kessler

18-30s-7w Kingman, KS

T Jaden C #3

Job Ticket: 52283

DST#: 1

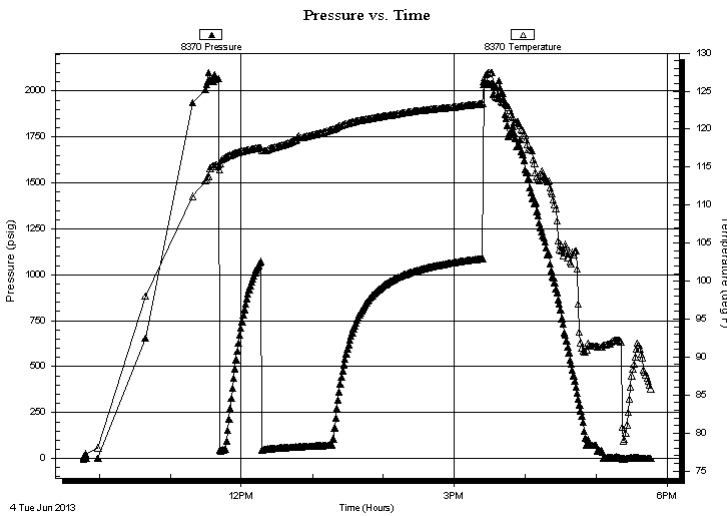
Test Start: 2013.06.04 @ 09:38:23

GENERAL INFORMATION:

Formation: **Miss.**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 11:41:53
Time Test Ended: 17:47:53
Interval: **4148.00 ft (KB) To 4195.00 ft (KB) (TVD)**
Total Depth: 4195.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches
Hole Condition: Fair
Test Type: Conventional Bottom Hole (Initial)
Tester: Gary Pevoteaux
Unit No: 56
Reference Elevations: 1482.00 ft (KB)
1472.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8370 Outside
Press @ Run Depth: psig @ 4149.00 ft (KB)
Start Date: 2013.06.04 End Date: 2013.06.04
Start Time: 09:46:54 End Time: 17:46:23
Capacity: 8000.00 psig
Last Calib.: 2013.06.04
Time On Btm:
Time Off Btm:

TEST COMMENT: IF: Strong blow . B.O.B. in 3 - 4 secs.
IS: Weak blow . (surface)
FF: Strong blow . B.O.B. in 1 sec. GTS in 31 mins. (see gas flow report)
FS: Weak blow . 1/4" or less.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
120.00	GOCMW 34%g 11%o 25%m 30%w	0.59
55.00	GOCWM 11%g 8%o 26%w 55%m	0.77

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	2.00	25.70
Last Gas Rate	0.25	1.00	24.11
Max. Gas Rate	0.25	2.00	25.70



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Mull Drilling Co. Inc.

18-30s-7w Kingman,KS

1700 N.Waterfront Pkwy.
Bldg.1200
Wichita KS 67206
ATTN: Kevin Kessler

T Jaden C #3

Job Ticket: 52283

DST#: 1

Test Start: 2013.06.04 @ 09:38:23

Tool Information

Drill Pipe:	Length: 4027.00 ft	Diameter: 3.80 inches	Volume: 56.49 bbl	Tool Weight: 2400.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 87000.00 lb
			<u>Total Volume: 57.08 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial 76000.00 lb
Depth to Top Packer:	4148.00 ft			Final 76000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	47.00 ft			
Tool Length:	75.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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C.O. Sub	1.00			4121.00	
Shut in tool	5.00			4126.00	
HMV	5.00			4131.00	
Jars	5.00			4136.00	
Safety Joint	3.00			4139.00	
Packer	4.00			4143.00	28.00 Bottom Of Top Packer
Packer	5.00			4148.00	
Stubb	1.00			4149.00	
Recorder	0.00	8352	Inside	4149.00	
Recorder	0.00	8370	Outside	4149.00	
Perforations	41.00			4190.00	
Bullnose	5.00			4195.00	47.00 Bottom Packers & Anchor

Total Tool Length: 75.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Mull Drilling Co. Inc.

18-30s-7w Kingman,KS

1700 N.Waterfront Pkw y.
Bldg.1200
Wichita KS 67206
ATTN: Kevin Kessler

T Jaden C #3

Job Ticket: 52283

DST#: 1

Test Start: 2013.06.04 @ 09:38:23

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

62000 ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
120.00	GOCMW 34%g 11%o 25%m 30%w	0.590
55.00	GOCWM 11%g 8%o 26%w 55%m	0.772

Total Length: 175.00 ft Total Volume: 1.362 bbl

Num Fluid Samples: 0

Num Gas Bombs: 1

Serial #: gp-1

Laboratory Name: Caraway

Laboratory Location: Liberal, KS

Recovery Comments: Rw .11 ohms @ 76 deg



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

GAS RATES

Mull Drilling Co. Inc.

18-30s-7w Kingman,KS

1700 N.Waterfront Pkwy.

T Jaden C #3

Bldg.1200

Job Ticket: 52283

DST#: 1

Wichita KS 67206

ATTN: Kevin Kessler

Test Start: 2013.06.04 @ 09:38:23

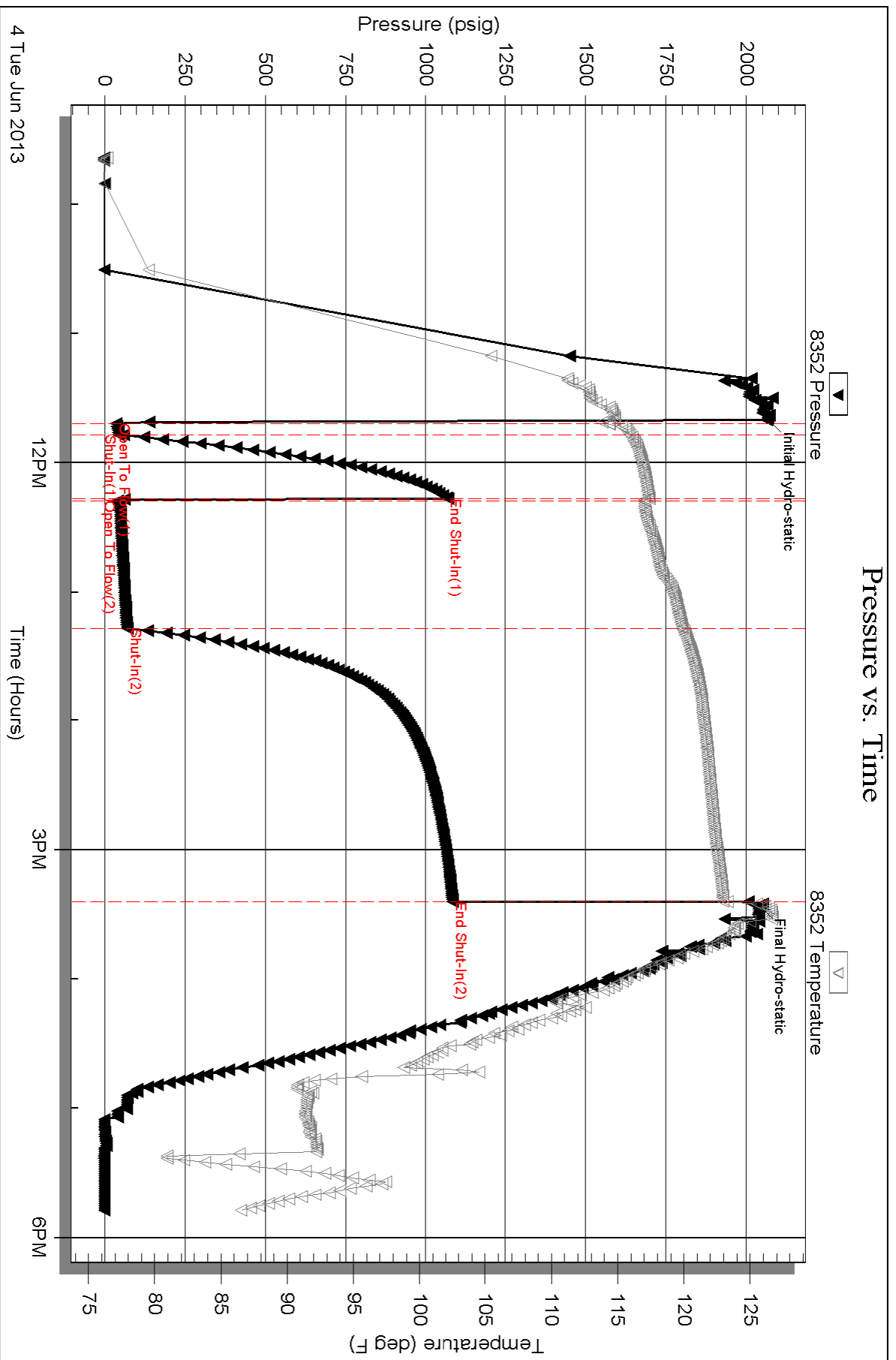
Gas Rates Information

Temperature: 59 (deg F)
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
2	30	0.25	2.00	25.70
2	40	0.25	2.00	25.70
2	50	0.25	1.00	24.11

Pressure vs. Time

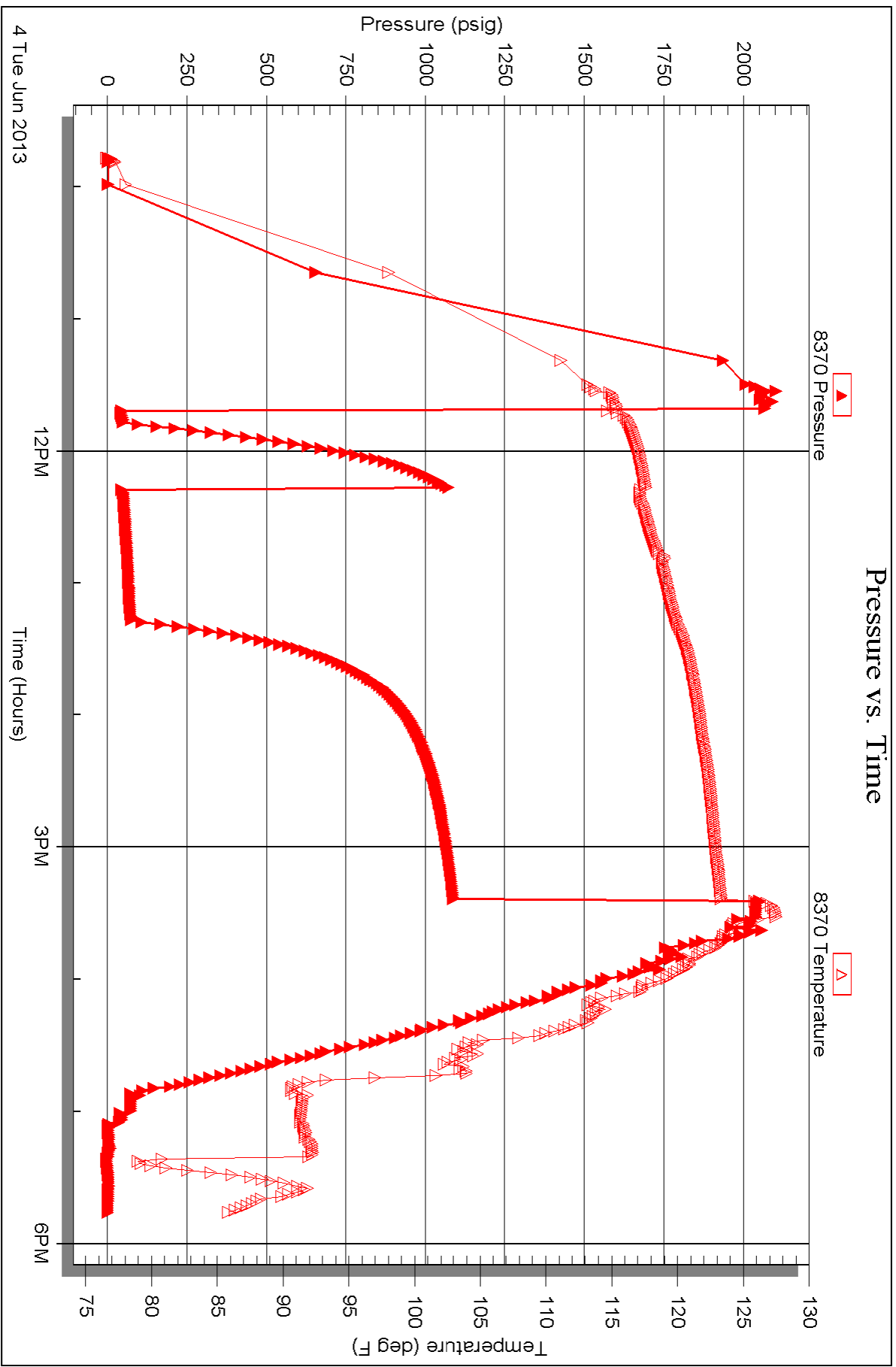


Serial #: 8370

Outside Mull Drilling Co. Inc.

T Jaden C#3

DST Test Number: 1





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 52283

Well Name & No. TADEN C#3 Test No. 1 Date 6-4-13
 Company Mull Drug Co. Inc. Elevation 1482 KB 1472 GL
 Address 1700 N. WATERFRONT PARKWAY, BLDG. 1200, WICHITA KS, 67206
 Co. Rep / Geo. KEVIN KESSLER Rig PICKRELL DRUG II
 Location: Sec. 18 Twp. 30^S Rge. 7^W Co. KENGMAN State Ks.

Interval Tested 4148 ~ 4195' Zone Tested MISS.
 Anchor Length 47' Drill Pipe Run 4027' Mud Wt. 9.4
 Top Packer Depth 4143' Drill Collars Run 120' Vis 48
 Bottom Packer Depth 4148' Wt. Pipe Run 0 WL 8.0
 Total Depth 4195' Chlorides 4,000 ppm System LCM 2#

Blow Description IF: Strong blow. B.O.B. in 3-4 sec. IST: Weak blow (surface)

FF: Strong blow. B.O.B. in 1 sec. GTS in 31 mins. (see gas flow report) FTI: Weak blow. 1/4" or less.

Rec	Feet of	%gas	%oil	%water	%mud
<u>55</u>	<u>GOCMM</u>	<u>11</u>	<u>8</u>	<u>26</u>	<u>55</u>
<u>120</u>	<u>GOCMW</u>	<u>34</u>	<u>11</u>	<u>30</u>	<u>25</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 175 BHT 123° Gravity N/A API RW 11 @ 76 °F Chlorides 63,000 ppm

(A) Initial Hydrostatic 2065 Test 1250 T-On Location 0745
 (B) First Initial Flow 36 Jars 250 T-Started 0938
 (C) First Final Flow 43 Safety Joint 75 T-Open 1041
 (D) Initial Shut-In 1071 Circ Sub _____ T-Pulled 1517
 (E) Second Initial Flow 41 Hourly Standby _____ T-Out 1747
 (F) Second Final Flow 71 Mileage 108 167.40 Comments _____
 (G) Final Shut-In 1085 Sampler _____
 (H) Final Hydrostatic 2039 Straddle _____
 Shale Packer _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____

Initial Open 5
 Initial Shut-In 30
 Final Flow 60
 Final Shut-In 120

Sub Total 1742.40
 Total 1742.40
 MP/DST Disc't _____

Approved By Kevin Kessler Our Representative Gary P. [Signature]

Trilobite Testing Inc. shall not be liable for damaged of any kind of 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 statements or opinion concerning the results 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.

KEVIN L. KESSLER
CONSULTING PETROLEUM GEOLOGIST
 (316) 522-7338

OPERATOR : MULL DRILLING COMPANY, INC.
LEASE : TJADEN 'C' WELL # : 3
LOCATION : 1980' FNL & 660' FWL
SEC: 18 TWP : 30 S RGE : 07 W
COUNTY : KINGMAN STATE : KANSAS

ELEVATION
KB : 1482
GL : 1472
MEASUREMENTS FROM
KB

CONTRACTOR : PICKRELL DRILLING RIG # 1
COMM : 05 / 29 / 2013 COMP : 06 / 05 / 2013
RTD : 4400 LOG TD : 4400
SAMPLES SAVED FROM : 2900 TO : RTD
GEOLOGICAL SUPERVISION FROM : 2900 TO : RTD
MUD UP : 3100 TYPE MUD : CHEMICAL

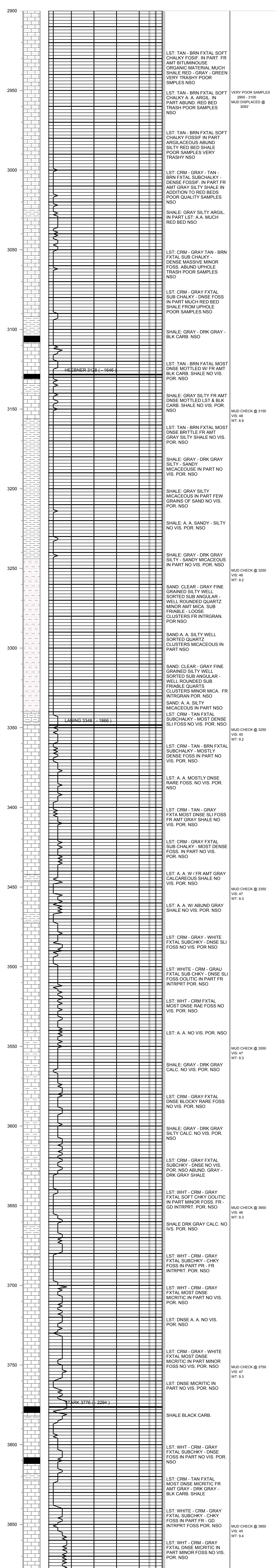
CASING RECORD
SURFACE :
 8 5/8" @ 226'
PRODUCTION :
 5 1/2" @ 4400'

ELECTRICAL SURVEYS :
 CDL/CNL
 DIL
 MICRO
 SONIC

FORMATION	TOP	LOG	DATUM	TOP	SAMPLE	DATUM	STRUCT. COMP.
HEEBNER	3128		- 1646	3128		- 1646	+ 04
LANSING	3348		- 1866	3348		- 1866	+ 02
STARK	3776		- 2294	3776		- 2294	+ 01
BASE/ KC	3882		- 2400	3882		- 2400	+ 08
CHEROKEE	4022		- 2540	4022		- 2540	FLAT
MISSISSIPPI	4145		- 2663	4145		- 2663	+ 03

REFERENCE WELL FOR STRUCTURAL COMPARISON :

MULL DRILLING CO INC. # 2 TJADEN 'C' SEC 18 - T 30 S - R 07 W KINGMAN COUNTY KANSAS



LST: TAN - BRN FXTAL SOFT CHALKY FOSIF IN PART FR AMT BITUMINOUSE ORGANIC MATERIAL MUCH SHALE RED - GRAY - GREEN VERY TRASHY POOR SMPLES NSO

LST: TAN - BRN FXTAL SOFT CHALKY A. A. ARGIL. IN PART ABUND. RED BED TRASH POOR SAMPLES NSO

LST: TAN - BRN FXTAL SOFT CHALKY FOSSIF IN PART ARGILACEOUS ABUND SILTY RED BED SHALE POOR SAMPLES VERY TRASHY NSO

LST: CRM - GRAY - TAN - BRN FXTAL SUBCHALKY - DENSE FOSSIF. IN PART FR AMT GRAY SILTY SHALE IN ADDITION TO RED BEDS POOR QUALITY SAMPLES NSO
 SHALE: GRAY SILTY ARGIL. IN PART LST: A.A. MUCH RED BED NSO

LST: CRM - GRAY TAN - BRN FXTAL SUB CHALKY - DENSE MASSIVE MINOR FOSS. ABUND UPHOLE TRASH POOR SAMPLES NSO

LST: CRM - GRAY FXTAL SUB CHALKY - DNSE FOSS IN PART MUCH RED BED SHALE FROM UPHOLE POOR SAMPLES NSO

SHALE: GRAY - DRK GRAY - BLK CARB. NSO

LST: TAN - BRN FATAL MOST DNSE MOTTLED W/ FR AMT BLK CARB. SHALE NO VIS. POR. NSO

SHALE: GRAY SILTY FR AMT DNSE MOTTLED LST & BLK CARB. SHALE NO VIS. POR. NSO

LST: TAN - BRN FXTAL MOST DNSE BRITTLE FR AMT GRAY SILTY SHALE NO VIS. POR. NSO

SHALE: GRAY - DRK GRAY SILTY - SANDY MICACEOUS IN PART NO VIS. POR. NSO

SHALE: GRAY SILTY MICACEOUS IN PART FEW GRAINS OF SAND NO VIS. POR. NSO

SHALE: A. A. SANDY - SILTY NO VIS. POR. NSO

SHALE: GRAY - DRK GRAY SILTY - SANDY MICACEOUS IN PART NO VIS. POR. NSO

SAND: CLEAR - GRAY FINE GRAINED SILTY WELL SORTED SUB ANGULAR - WELL ROUNDED QUARTZ MINOR AMT MICA. SUB FRIABLE - LOOSE CLUSTERS FR INTRGRAN. POR NSO

SAND: A. A. SILTY MICACEOUS IN PART NSO

LST: CRM - TAN - BRN FXTAL SUBCHALKY - MOST DENSE SLI FOSS NO VIS. POR. NSO

LST: CRM - TAN - BRN FXTAL SUBCHALKY - MOSTLY DENSE FOSS IN PART NO VIS. POR. NSO

LST: A. A. MOSTLY DNSE RARE FOSS. NO VIS. POR. NSO

LST: CRM - TAN - GRAY FXTAL MOST DNSE SLI FOSS FR AMT GRAY SHALE NO VIS. POR. NSO

LST: CRM - GRAY FXTAL SUB CHALKY - MOST DENSE FOSS. IN PART NO VIS. POR. NSO

LST: A. A. W / FR AMT GRAY CALCAREOUS SHALE NO VIS. POR. NSO

LST: A. A. W / ABUND GRAY SHALE NO VIS. POR. NSO

LST: CRM - GRAY - WHITE FXTAL SUBCHKY - DNSE SLI FOSS NO VIS. POR NSO

LST: WHITE - CRM - GRAU FXTAL SUB CHKY - DNSE SLI FOSS OOLITIC IN PART FR INTRPRT POR. NSO

LST: WHT - CRM FXTAL MOST DNSE RAE FOSS NO VIS. POR. NSO

LST: A. A. NO VIS. POR. NSO

SHALE: GRAY - DRK GRAY CALC. NO VIS. POR. NSO

LST: CRM - GRAY FXTAL DNSE BLOCKY RARE FOSS NO VIS. POR. NSO

SHALE: GRAY - DRK GRAY SILTY CALC. NO VIS. POR. NSO

LST: CRM - GRAY FXTAL SUBCHKY - DNSE NO VIS. POR. NSO ABUND. GRAY - DRK GRAY SHALE

LST: WHT - CRM - GRAY FXTAL SOFT CHKY OOLITIC IN PART MINOR FOSS. FR - GD INTRPRT. POR. NSO

SHALE DRK GRAY CALC. NO IVS. POR. NSO

LST: WHT - CRM - GRAY FXTAL SUBCHKY - CHKY FOSS IN PART PR - FR INTRPRT. POR. NSO

LST: WHT - CRM - GRAY FXTAL MOST DNSE MICRITIC IN PART NO VIS. POR. NSO

LST: DNSE A. A. NO VIS. POR. NSO

LST: CRM - GRAY - WHITE FXTAL MOST DNSE MICRITIC IN PART MINOR FOSS NO VIS. POR. NSO

LST: DNSE MICRITIC IN PART NO VIS. POR. NSO

SHALE BLACK CARB.

LST: WHT - CRM - GRAY FXTAL SUBCHKY - DNSE FOSS IN PART NO VIS. POR. NSO

LST: CRM - TAN FXTAL MOST DNSE MICRITIC FR AMT GRAY - DRK GRAY - BLK CARB. SHALE

LST: WHITE - CRM - GRAY FXTAL SUBCHKY - CHKY FOSS IN PART FR - GD INTRPRT FOSS POR. NSO

LST: WHT - CRM - GRAY FXTAL DNSE MICRITIC IN PART MINOR FOSS NO VIS. POR. NSO

LST: A. A. BECOMMING SHALEY NO VIS. POR. NSO

VERY POOR SAMPLES
 2900 - 3100
 MUD DISPLACED @
 3093'

MUD CHECK @ 3150
 VIS: 48
 WT: 8.9

MUD CHECK @ 3250
 VIS: 46
 WT: 9.2

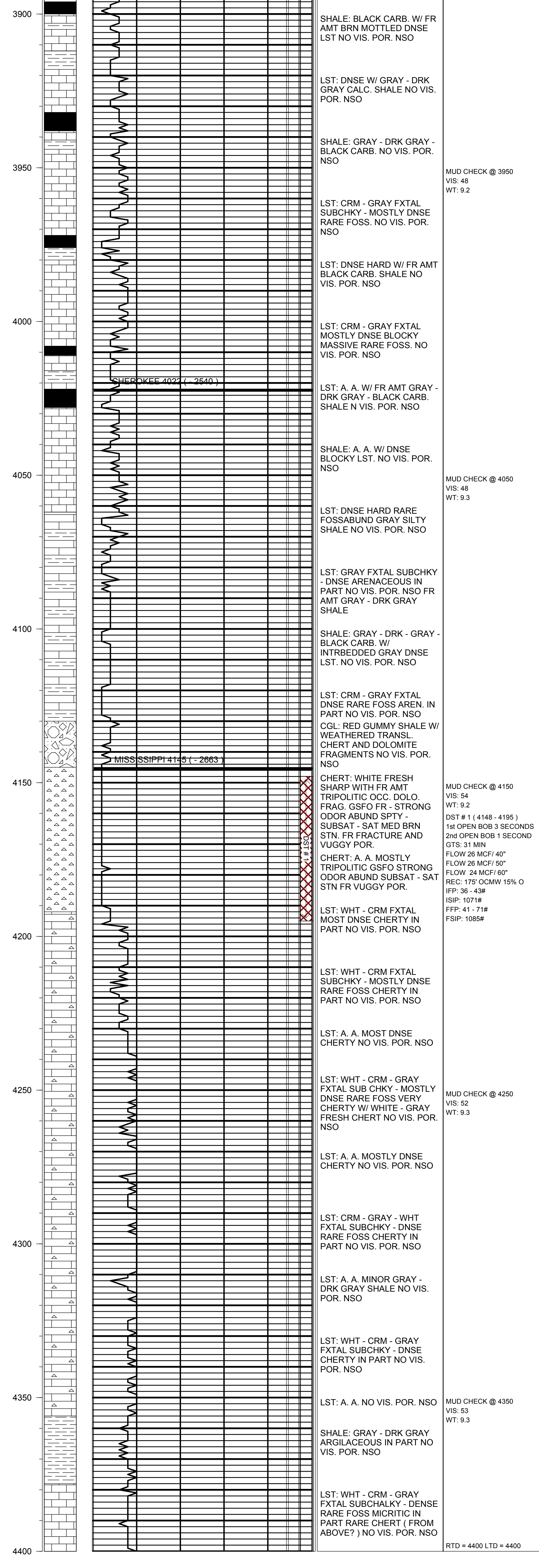
MUD CHECK @ 3350
 VIS: 45
 WT: 9.2

MUD CHECK @ 3500
 VIS: 47
 WT: 9.3

MUD CHECK @ 3550
 VIS: 47
 WT: 9.3

MUD CHECK @ 3650
 VIS: 46
 WT: 9.3

MUD CHECK @ 3850
 VIS: 45
 WT: 9.4



COMMENTS:

**PRODUCTION CASING WAS SET TO FURTHER
EVALUATE THE POTENTIAL PRODUCTIVITY OF THIS WELL**

KEVIN L. KESSLER

QUALITY WELL SERVICE, INC.

5900

Federal Tax I.D. # 481187368

OFFICE

Home Office 324 Simpson St., Pratt, KS 67124

620-727-3410

Rich's Cell 620-727-3409

Office / Fax 620-672-3663

Brady's Cell 620-727-6964

Date	5-29-13	Sec.	13	Twp.	30	Range	7	County	Kingman	State	Ks	On Location	4:30 P.M.	Finish	9:15 P.M.	
Lease	TIADEN		Well No.	C#3		Location SPIVEY KS 1 S 11/2 E N1/4 into										
Contractor	Pickrell Drlg #1							Owner								
Type Job	Conductor							To Quality Well Service, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.								
Hole Size	13 3/8 48"		T.D.	39												
Csg.	13 3/8 48"		Depth	37.30												
Tbg. Size			Depth													
Tool			Depth													
Cement Left in Csg.			Shoe Joint	15												
Meas Line			Displace	11.4 Bbls												
EQUIPMENT										2% Gel 3% CL 1/4" CF						
Pumptrk	6	No.	Derek		Common 150											
Bulktrk	10	No.	Mike		Poz. Mix											
Bulktrk		No.			Gel. 3											
Pickup		No.	TODD BRADY		Calcium 5											
JOB SERVICES & REMARKS										Hulls						
Rat Hole			Salt													
Mouse Hole			Flowseal 37.5"													
Centralizers			Kol-Seal													
Baskets			Mud CLR 48													
D/V or Port Collar			CFL-117 or CD110 CAF 38													
Ran 2 1/2' 13 3/8 48" csg			Sand Sugar 100"													
Set d 37.30			Handling 150													
Hook up Break circ w/pump			Mileage 50													
Mix & Pump 150 21 Common			FLOAT EQUIPMENT													
2% Gel 3% CL 1/4" CF 15 1/2 gal			Guide Shoe													
			Centralizer													
			Baskets													
			AFU Inserts													
			Float Shoe													
			Latch Down													
			LMV 50													
			Pumptrk Charge Cond													
			Mileage 50													
			Tax													
			Discount													
			Total Charge													
X Signature	Mike [Signature] PLEASE CALL AGAIN															

QUALITY WELL SERVICE, INC.

5902

Federal Tax I.D. # 481187368

Home Office 324 Simpson St., Pratt, KS 67124

Office / Fax 620-727-3410
Office / Fax 620-672-3663*

Rich's Cell 620-727-3409
Brady's Cell 620-727-6964

Date	5-30-13	Sec.	13	Twp.	30	Range	7	County	Kingman	State	Ks	On Location	10:00 AM	Finish	12:00
Lease	TRADEN	Well No.	C#3		Location		SPIVEY Ks. 1S 1 1/2 E N.E. Ints								
Contractor	PICKRELL	Well No.	019 #1		Owner		To Quality Well Service, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.								
Type Job	Surface	Hole Size		12 1/4	T.D.	226		Charge To							
Csg.	8 5/8	Depth		225		Mull Drilling Co. Inc.		Street							
Tbg. Size		Depth				City		State							
Tool		Depth				The above was done to satisfaction and supervision of owner agent or contractor.									
Cement Left in Csg.		Shoe Joint		25		Cement Amount Ordered 150x Common									
Meas Line		Displace		12.3 Bbl		2-6 GAL 3 1/2 CC 1/4' CF									
EQUIPMENT															
Pumptrk	6	No.	DEREK		Common		150								
Bulktrk	10	No.	MIKE		Poz. Mix										
Bulktrk		No.			Gel.		3								
Pickup		No.	TODD		Calcium		5								
JOB SERVICES & REMARKS															
Rat Hole												Hulls			
Mouse Hole												Salt			
Centralizers												Flowseal 37.5"			
Baskets												Kol-Seal			
D/V or Port Collar												Mud CLR 48			
Run 5 H's 8 5/8 23" Csg												CFL-117 or CD110 CAF 38			
Hook up to csg + BREAK CIRC w/pump												Sand SUGAR			
												Handling 153			
												Mileage 50			
FLOAT EQUIPMENT															
MIX & Pump 150 x Common												Guide Shoe			
2-6 GAL 3 1/2 CC 1/4" CF 15 #/gal												Centralizer			
Disp 12.3 Bbl total												Baskets			
From CIRC thru JOBS												AFU Inserts			
CIRC OUT TO V.H												Float Shoe			
												Latch Down			
												LMV 50			
Thanki TODD BRADY MIKE ! DEREK												Pumptrk Charge SURFACE			
												Mileage 50			
PLEASE !! AGAIN															
Signature <i>Randy Moon</i>												Tax			
												Discount			
												Total Charge			

BASIC

energy services, L.P.

TREATMENT REPORT

Customer <i>MULL-Drilling</i>	Lease No.	Date <i>06-06-13</i>
Lease <i>TJADEN C</i>	Well # <i>2</i>	
Field Order # <i>8587</i>	Station <i>PRATT KS</i>	Casing <i>5 1/2</i>
Type Job <i>CNW 5 1/2 longstay</i>	Depth <i>4380'</i>	County <i>Kingman</i>
	Formation	State <i>KS</i>
		Legal Description <i>18-30-7</i>

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
<i>5 1/2</i>				Pre Pad			5 Min.	
Depth <i>4380'</i>	Depth	From	To	Pad	Max		10 Min.	
Volume <i>10.3</i>	Volume	From	To	Frac	Avg		15 Min.	
Max Press <i>2000</i>	Max Press	From	To		HHP Used		Annulus Pressure	
Well Connection <i>P.C</i>	Annulus Vol.	From	To	Flush	Gas Volume		Total Load	
Plug Depth <i>4338'</i>	Packer Depth	From	To					

Customer Representative	Station Manager <i>DAVE Scott</i>	Treater <i>Robert Lillard</i>
-------------------------	--------------------------------------	----------------------------------

Service Units	<i>37900</i>	<i>33708</i>	<i>20920</i>	<i>19960</i>	<i>21010</i>				
Driver Names	<i>Sullivan</i>	<i>Romulo</i>	<i>Kupinski</i>						

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>5:15</i>					<i>on loc soft, medly</i>
					<i>Rwd 105 STS 5 1/2 15.5 csg.</i>
<i>9:40</i>					<i>CASING on bottom</i>
<i>9:50</i>					<i>Hook up to circ.</i>
<i>11:30</i>	<i>50</i>		<i>20</i>	<i>3.5</i>	<i>pump 2% KCl H₂O</i>
			<i>12</i>		<i>sr mud fluid</i>
			<i>3</i>		<i>spacer</i>
			<i>54</i>	<i>5</i>	<i>mic cont 200 sk 50/50 per cont</i>
					<i>cont mix-O shut downed with pump's down</i>
				<i>6</i>	<i>Release Plug</i>
					<i>At Depth w/ 2% KCl H₂O</i>
	<i>250</i>		<i>21</i>		<i>lift PSI</i>
	<i>500</i>			<i>4</i>	<i>Slow Rate</i>
<i>12:30</i>	<i>1800</i>				<i>Plug down</i>
			<i>7</i>	<i>2</i>	<i>plug Rtt w/ 30 sk</i>
			<i>5</i>		<i>plug Rtt w/ 20 sk</i>
					<i>JOB complete</i>
					<i>Thank you!</i>



BASIC
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201

1041605704
FIELD SERVICE TICKET

1718 08589 A

DATE _____ TICKET NO. _____

DATE OF JOB: 06-06-13		DISTRICT: PRATT KS		NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/>		PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/>		CUSTOMER ORDER NO.:	
CUSTOMER: Mott Drilling				LEASE: T JADEN C		Z		WELL NO.:	
ADDRESS:				COUNTY: KNOXMAN		STATE: KS			
CITY:				STATE:		SERVICE CREW: Sullivan, Ramirez, Kuehner			
AUTHORIZED BY:				JOB TYPE: C.W. 5 1/2 long string					
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	TIME
33200-20920	1 hr						06-05-13	AM	9:00
19960-21010	1 hr						06-06-13	AM	5:30
37900								AM	11:30
								AM	12:30
								AM	1:30
								AM	1:30
						MILES FROM STATION TO WELL: 15			

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: Jim Kress
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

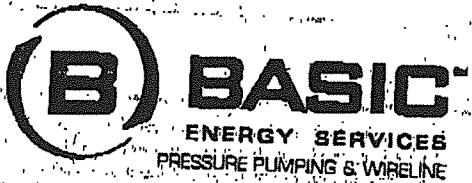
ITEM PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP 104	50/50 p02 cmt	SK	200		2,200.00
CP 104	50/50 p02	SK	50		550.00
CC 105	C-41-P	lb	42		168.00
CC 111	SALT	lb	1384		692.00
CC 112	cmt Friction Reduc	lb	63		378.00
CC 113	Gypsum	lb	1050		287.50
CC 124	FLA-322	lb	105		287.50
CC 201	Gilsonite	lb	1250		837.50
CF 107	bat ch down Plug Bulb 5 1/2	SA	1		400.00
CF 1251	Auto 3 1/2 string	SA	1		360.00
CF 1051	Turbidizer	SA	10		1,100.00
CF 104	dry mix	gal	5		175.00
CC 151	man's Hook	gal	500		430.00
CF 100	truck m	mi	45		191.25
CF 101	High Spot m	mi	90		430.00

SUB-TOTAL: 60

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON \$	
MATERIALS	%TAX ON \$	
TOTAL		60

SERVICE REPRESENTATIVE: <u>Robert Sullivan</u>	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: <u>Jim Kress</u>
FIELD SERVICE ORDER NO.:	(WELL OWNER OPERATOR CONTRACTOR OR AGENT)



10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201

FIELD SERVICE TICKET

1718 ~~08590~~ A

Continuation of

DATE TICKET NO. 1718 08589A

DATE OF JOB: 06-26-13		DISTRICT: PRA TT, KS		NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/>		PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/>		CUSTOMER ORDER NO.			
CUSTOMER: Miller Drilling				LEASE: T. SADDEN		C-2		WELL NO.			
ADDRESS:				COUNTY: Kiriman		STATE: KS					
CITY:				SERVICE CREW: Sullivan, Dennis, Kuehn		JOB TYPE: CD W 5 1/2 casing					
AUTHORIZED BY:				EQUIPMENT#		HRS		EQUIPMENT#		HRS	
EQUIPMENT#		HRS		EQUIPMENT#		HRS		TRUCK CALLED		DATE AM PM TIME	
								ARRIVED AT JOB		AM PM	
								START OPERATION		AM PM	
								FINISH OPERATION		AM PM	
								RELEASED		AM PM	
								MILES FROM STATION TO WELL			

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered). The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: (WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM PRICE REF. NO.	MATERIAL, EQUIPMENT, AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CE 113	Bulk Polym	TON	473		796.00
CE 205	Depth	HR	1		2,520.00
CE 240	Blending - mixing	SK	250		350.00
CE 201	CASING	TL	1		200.00
CE 504	Plc. Contained Rented	SD	1		250.00
CE 003	Sadden Super	SD	1		175.00

CHEMICAL / ACID DATA:			

SUB TOTAL	KG 10,453.31
SERVICE & EQUIPMENT	%TAX ON \$
MATERIALS	%TAX ON \$
TOTAL	

SERVICE REPRESENTATIVE: *Robert Sullivan*
 THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: *Tom Kuehn*
 FIELD SERVICE ORDER NO. _____ (WELL OWNER OPERATOR CONTRACTOR OR AGENT)