



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1072312
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: _____

1072312

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

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> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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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
Ward Loyd, Commissioner
Thomas E. Wright, Commissioner

Sam Brownback, Governor

January 19, 2012

Leon Rodak
Murfin Drilling Co., Inc.
250 N WATER STE 300
WICHITA, KS 67202-1216

Re: ACO1
API 15-179-21292-00-00
Mowry 1-23
SW/4 Sec.23-06S-27W
Sheridan 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,
Leon Rodak

MDCI
Mowry #1-23
1240 FSL 1520 FWL
Sec. 23-T6S-R27W
Sheridan County, Kansas
2703' KB

Diamond Shamrock
Sidesinger #1-35
2310' FNL 1650' FEL
Sec. 35 T6S-R27W
Sheridan County, Kansas
2702' KB

Formation	Sample top	Datum	Ref	Log tops	Datum	Ref	Log tops	Datum
Anhydrite	2415	+288	-4	2416	+287	-5	2410	+292
B/Anhydrite	2447	+256	-5	2449	+254	-7	2441	+261
Topeka	3658	-955	-5	3658	-955	-5	3652	-950
Heebner	3861	-1158	-4	3860	-1157	-3	3856	-1154
Toronto	3886	-1183	-4	3888	-1185	-6	3881	-1179
Lansing	3901	-1198	-4	3902	-1199	-5	3896	-1194
Stark	4071	-1368	-6	4073	-1370	-8	4064	-1362
BKC	4116	-1413	-5	4117	-1414	-6	4110	-1408
RTD	4175						4130	
LTD				4178				

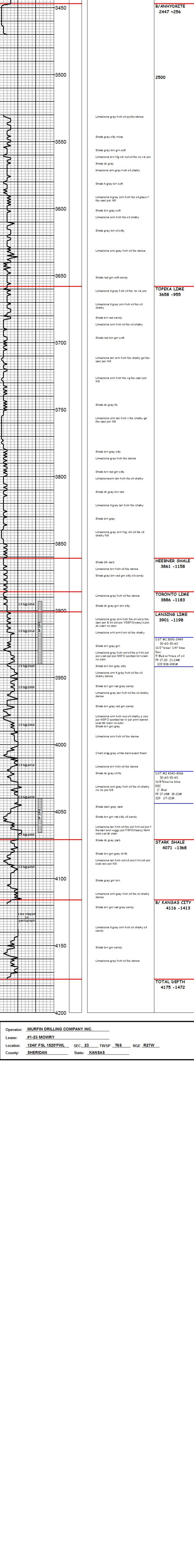
GEOLOGIST'S REPORT

OPERATOR MURFIN DRILLING COMPANY INC.		ELEVATIONS	
LEASE #1-23 MOWRY		KB 2703	
LOCATION 1240' FSL 1520' FWL		GL 2598'	
SEC. 23	TWSP T6S	RGE R27W	ALL MEASUREMENTS FROM K.B.
COUNTY SHERIDAN	STATE KANSAS		
FIELD WILDCAT	CASING RECORD		
CONTRACTOR MURFIN DRILLING CO.	RIG NO. #8	Conductor	
COMMENCED DEC 8, 2011	COMPLETED DEC 15, 2011		
MUD DISPLACED 3330'	MUD TYPE CHEMICAL	Surface 8 5/8" @ 382'	
DRILLING TIME (HRT) FROM _____ TO _____	3530' TO 4175'	Production	
SAMPLES SAVED FROM _____	3530' TO 4175'		
SAMPLES EXAMINED FROM _____	3530' TO 4175'		
GEOLOGICAL SUPERVISION FROM 3500'	TO 4175'	ELECTRICAL SURVEYS:	
GEOLOGIST ON WELL STEPHEN J MILLER	LOG TECH		
FORMATION		DUAL IND.	
NAME	LOG	TOP	SAMPLE
	DATE	DATE	DATE
ANHYDRITE	2416	+287	2415
ANHYDRITE	2449	+254	2447
TOPEKA LIME	3658	-955	3658
TOPEKA LIME	3660	-955	3658
HEEBNER SHALE	3860	-1157	3861
HEEBNER SHALE	3868	-1185	3866
TORONTO LIME	3902	-1199	3901
LANSING LIME	3902	-1199	3901
LANSING LIME	4073	-1370	4071
STARK SHALE	4073	-1370	4071
STARK SHALE	4117	-1414	4116
STARK SHALE	4117	-1414	4116
TOTAL DEPTH	4178	-1475	4175

API	15-179-21292
Drilling Fluids:	MORGAN MUD
Drill Stem Testing:	TRILOBITE TESTING
Gas Trailer:	NONE
Reserve Pit Chlorides:	1200 PPM

REMARKS

DRILL TIME (MIN/FT)	DEPTH	SAMPLE DESCRIPTIONS	REMARKS
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Operator: **MURFIN DRILLING COMPANY INC.**

Lease: **#1-23 MOWRY**

Location: **1240' FSL 1520' FWL** SEC. **23** TWSP **T6S** RGE **R27W**

County: **SHERIDAN** State: **KANSAS**



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Murfin Drilling Co., Inc

23/6s/27w Sheridan KS

250 N. Water STE 300
Wichita, KS 67202

Mowry #1-23

Job Ticket: 45545

DST#: 1

ATTN: Steve Miller

Test Start: 2011.12.13 @ 00:35:00

GENERAL INFORMATION:

Formation: **LKC "A - B"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:55:00

Time Test Ended: 08:25:30

Test Type: Conventional Bottom Hole (Initial)

Tester: James Winder

Unit No: 57

Interval: 3893.00 ft (KB) To 3940.00 ft (KB) (TVD)

Reference Elevations: 2703.00 ft (KB)

Total Depth: 3940.00 ft (KB) (TVD)

2698.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8366

Inside

Press @ Run Depth: 23.53 psig @ 3894.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.12.13

End Date:

2011.12.13

Last Calib.:

2011.12.13

Start Time: 00:35:05

End Time:

08:25:29

Time On Btm:

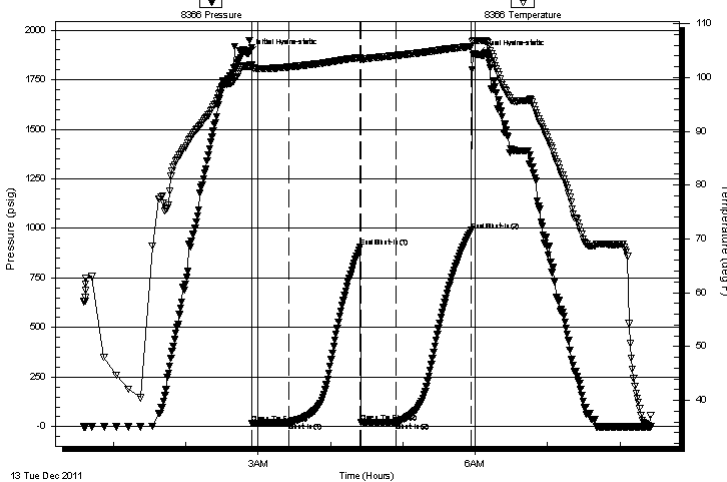
2011.12.13 @ 02:52:00

Time Off Btm:

2011.12.13 @ 06:01:30

TEST COMMENT: 30 - IF: 1/4" Blow at open, Built to 1 1/2"
60 - IS: Bled off, Blow back built to 1/8" (temp. blow ?)
30 - FF: Blow built to 1/4"
60 - FS: Bled off, No blow back

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1881.92	102.10	Initial Hydro-static
3	17.23	101.82	Open To Flow (1)
33	20.24	101.94	Shut-In(1)
93	907.52	103.69	End Shut-In(1)
93	21.27	103.41	Open To Flow (2)
123	23.53	104.09	Shut-In(2)
185	989.53	105.75	End Shut-In(2)
190	1876.02	106.86	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud 100% w /trace oil	0.02

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co., Inc

23/6s/27w Sheridan KS

250 N. Water STE 300
Wichita, KS 67202

Mowry #1-23

Job Ticket: 45545

DST#: 1

ATTN: Steve Miller

Test Start: 2011.12.13 @ 00:35:00

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:

ppm

Viscosity: 82.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.20 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1100.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mud 100% w/trace oil	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

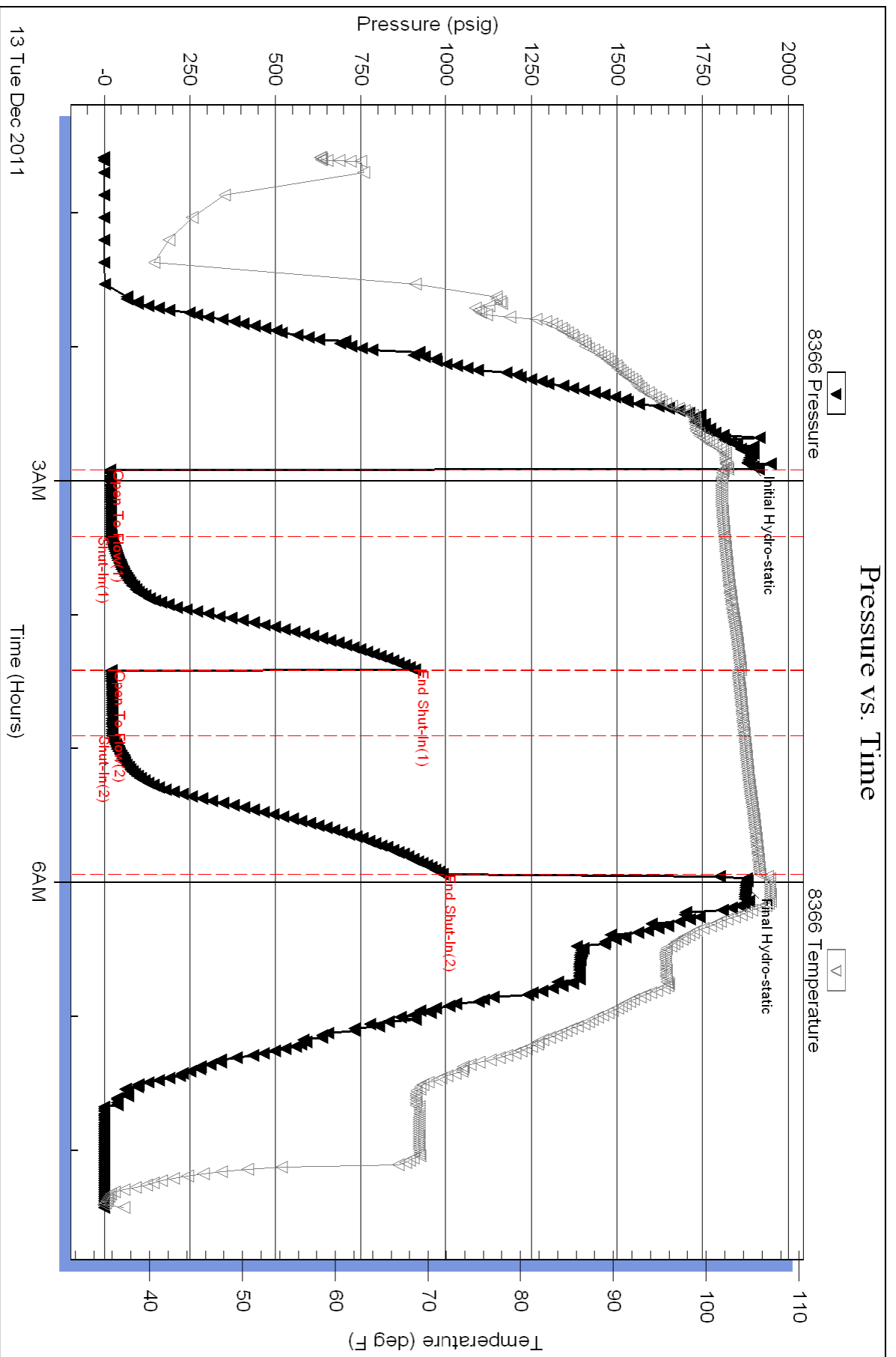
Serial #: 8366

Inside

Murfin Drilling Co., Inc

Mowry #1-23

DST Test Number: 1





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Murfin Drilling Co., Inc

23/6s/27w Sheridan KS

250 N. Water STE 300
Wichita, KS 67202

Mowry #1-23

Job Ticket: 45546

DST#: 2

ATTN: Steve Miller

Test Start: 2011.12.14 @ 05:25:00

GENERAL INFORMATION:

Formation: **LKC "J"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:31:30

Time Test Ended: 12:16:00

Test Type: Conventional Bottom Hole (Reset)

Tester: James Winder

Unit No: 57

Interval: 4040.00 ft (KB) To 4066.00 ft (KB) (TVD)

Reference Elevations: 2703.00 ft (KB)

Total Depth: 4066.00 ft (KB) (TVD)

2698.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8366

Inside

Press @ Run Depth: 19.70 psig @ 4041.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.12.14

End Date:

2011.12.14

Last Calib.:

2011.12.14

Start Time: 05:25:05

End Time:

12:15:59

Time On Btm:

2011.12.14 @ 07:29:00

Time Off Btm:

2011.12.14 @ 10:38:00

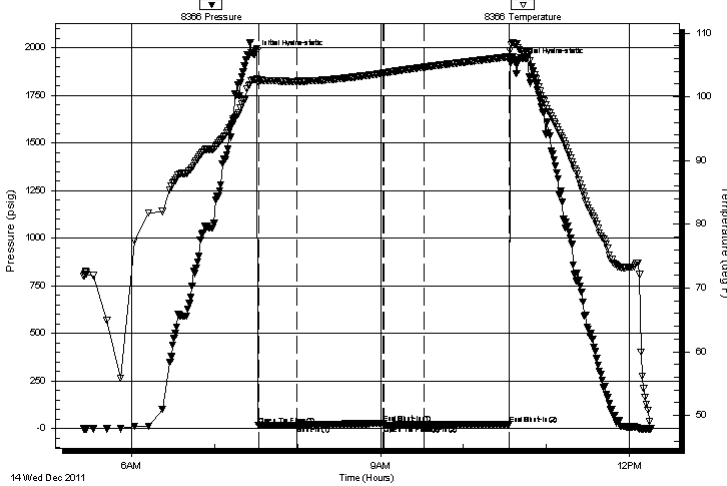
TEST COMMENT: 30 - IF: Blow built to 1 1/8" (Diesel in Bucket)

60 - IS: Bled off, No blow back

30 - FF: No blow

60- FSI: No blow back

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1963.59	102.75	Initial Hydro-static
3	17.10	102.48	Open To Flow (1)
31	19.23	102.45	Shut-In(1)
93	27.06	103.72	End Shut-In(1)
94	19.33	103.73	Open To Flow (2)
123	19.70	104.67	Shut-In(2)
184	23.03	106.30	End Shut-In(2)
189	1919.56	108.38	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2.00	Mud 100%	0.01

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co., Inc

23/6s/27w Sheridan KS

250 N. Water STE 300
Wichita, KS 67202

Mowry #1-23

Job Ticket: 45546

DST#: 2

ATTN: Steve Miller

Test Start: 2011.12.14 @ 05:25:00

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:

ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.60 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1100.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2.00	Mud 100%	0.010

Total Length: 2.00 ft Total Volume: 0.010 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

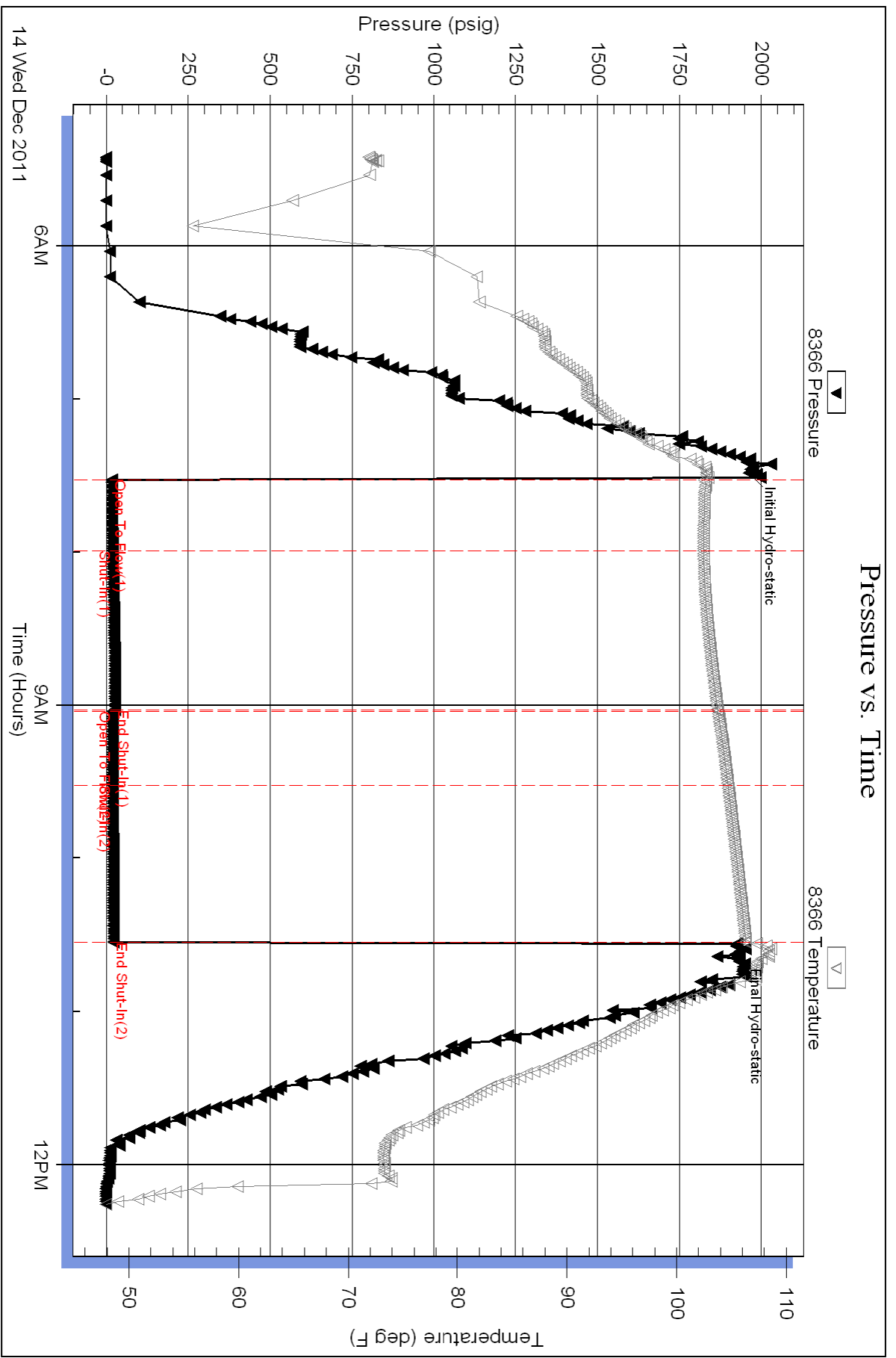
Serial #: 8366

Inside

Murfin Drilling Co., Inc

Mowry #1-23

DST Test Number: 2



Triobite Testing, Inc

Ref. No: 45546

Printed: 2011.12.14 @ 13:56:52



24 S. Lincoln Street
P.O. Box 31
Russell, KS 67665-2906

Voice: (817) 546-7282
Fax: (817) 246-3361

acct. sig

INVOICE

Invoice Number: 129583

Invoice Date: Dec 8, 2011

Page: 1

PROD COPY

Federal Tax I.D.#: 20-5975804

Bill To:
Murfin Drlg. Co., Inc. 250 N. Water STE #300 Wichita, KS 67202

Customer ID	Well Name# or Customer P.O.	Payment Terms	
Murfin	Mowry #1-23	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Oakley	Dec 8, 2011	1/7/12

Quantity	Item	Description	Unit Price	Amount
260.00	MAT	Class A Common	16.25	4,225.00
9.00	MAT	Chloride	58.20	523.80
269.00	SER	Handling	2.25	605.25
65.00	SER	Mileage	29.59	1,923.35
1.00	SER	Surface	1,125.00	1,125.00
90.00	SER	Extra Footage	0.95	85.50
65.00	SER	Heavy Vehicle Mileage	7.00	455.00
1.00	SER	Manifold Head Rental	200.00	200.00
65.00	SER	Light Vehicle Mileage	4.00	260.00
1.00	EQP	8 5/8 Top Wooden Plug	92.00	92.00
1.00	CEMENTER	LaRene Wentz		
1.00	EQUIP OPER	Darren Racette		
1.00	OPER ASSIST	Ethan Glassman		

OKAY

Account	Unit	W	No.	Amount	Description
<i>IDR03</i>				<i>6573.47</i>	<i>Cement S. Co. #1-23</i>
	<i>3.</i>			<i>5028.0001</i>	

Subtotal	9,494.90
Sales Tax	401.79
Total Invoice Amount	9,896.69
Payment/Credit Applied	
TOTAL	9,896.69

ALL PRICES ARE NET, PAYABLE 30 DAYS FOLLOWING DATE OF INVOICE. 1 1/2% CHARGED THEREAFTER. IF ACCOUNT IS CURRENT, TAKE DISCOUNT OF

\$3323.23

ONLY IF PAID ON OR BEFORE
Jan 2, 2012

(3323.23)
6573.47

ALLIED CEMENTING CO., LLC. 036137

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:
Dakotas
12-9-11

DATE <u>12-8-11</u>	SEC. <u>23</u>	TWP. <u>6</u>	RANGE <u>17</u>	CALLED OUT	ON LOCATION <u>9:00pm</u>	JOB START <u>1:00am</u>	JOB FINISH <u>1:30am</u>
LEASE <u>Mowry</u>	WELL# <u>1-23</u>	LOCATION <u>Hoxie, KS 7E 9 1/2 N, 1E</u>			COUNTY - <u>Sheridan</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one)				<u>1N, 34W, 11into.</u>			

CONTRACTOR Murfin #8

TYPE OF JOB Surface

HOLE SIZE 12 1/4" T.D. 390'

CASING SIZE 8 7/8" DEPTH 390.91

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. @ 15'

PERFS. 24

DISPLACEMENT 260 661

EQUIPMENT

PUMP TRUCK CEMENTER Larone

431 HELPER Jarren

BULK TRUCK

404 DRIVER Etuan

BULK TRUCK

DRIVER

OWNER Same

CEMENT

AMOUNT ORDERED 260SK Com 38.00

COMMON	<u>260sk</u>	@	<u>16.25</u>	<u>4225.00</u>
POZMIX		@		
GEL		@		
CHLORIDE	<u>950</u>	@	<u>58.20</u>	<u>553.80</u>
ASC		@		
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>269 SK</u>	@	<u>2.25</u>	<u>605.25</u>
MILEAGE	<u>11856/mile</u>			<u>1923.35</u>
TOTAL				<u>7272.40</u>

REMARKS:

Mix 260 sks down casing
Displace with water.
cement did circulate

SERVICE

DEPTH OF JOB	<u>1125.00</u>
PUMP TRUCK CHARGE	<u>1125.00</u>
EXTRA FOOTAGE	<u>90 @ .95 85.50</u>
MILEAGE	<u>65 @ 7.00 455.00</u>
MANIFOLD	<u>head @ 200.00</u>
	<u>L.N. mileage @ 4.00 260.00</u>
TOTAL <u>2185.50</u>	

CHARGE TO: Murfin Drilling Co

STREET _____

CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

<u>73psd can plug</u>	@	<u>72.00</u>
	@	
	@	
	@	
	@	
TOTAL		<u>92.00</u>

To Allied Cementing Co., 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.

PRINTED NAME _____

SIGNATURE Rodney Farn

SALES TAX (If Any) _____

TOTAL CHARGES _____

DISCOUNT _____ IF PAID IN 30 DAYS



*Liz
Creech*

INVOICE

24 S. Lincoln Street
P.O. Box 31
Russell, KS 67665-2906

Invoice Number: 129656
Invoice Date: Dec 15, 2011
Page: 1

Voice: (817) 546-7282
Fax: (817) 246-3361

Bill To:
Murfin Drlg. Co., Inc. 250 N. Water STE #300 Wichita, KS 67202

Federal Tax I.D.#: 20-5975804

*Operator
Pay
mo c
/om*

Customer ID	Well Name# or Customer P.O.	Payment Terms	
Murfin	Mowry #1-23	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-03	Oakley	Dec 15, 2011	1/14/12

Quantity	Item	Description	Unit Price	Amount
132.00	MAT	Class A Common	16.25	2,145.00
88.00	MAT	Pozmix	8.50	748.00
8.00	MAT	Gel	21.25	170.00
55.00	MAT	FloSeal	2.70	148.50
230.00	SER	Handling	2.25	517.50
55.00	SER	Mileage	25.30	1,391.50
1.00	SER	Plugged to Abandon	1,250.00	1,250.00
55.00	SER	Heavy Vehicle Mileage	7.00	385.00
55.00	SER	Light Vehicle Mileage	4.00	220.00
1.00	EQP	7 7/8 Wooden Plug	92.00	92.00
1.00	CEMENTER	LaRene Wentz		
1.00	EQUIP OPER	Darren Racette		
1.00	OPER ASSIST	Ethan Glassman		

Q4M

Subtotal	7,067.50
Sales Tax	586.60
Total Invoice Amount	7,654.10
Payment/Credit Applied	
TOTAL	7,654.10

ALL PRICES ARE NET, PAYABLE
30 DAYS FOLLOWING DATE OF
INVOICE. 1 1/2% CHARGED
THEREAFTER. IF ACCQUNT IS
CURRENT, TAKE DISCOUNT OF

\$ 2473.63

ONLY IF PAID ON OR BEFORE
Jan 9, 2012

[Signature] 5180.47

ALLIED CEMENTING CO., LLC. 036143

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:
Oakley, ks

12-15-11 DATE	SEC 23	TWP 8	RANGE 27	CALLED OUT	ON LOCATION 12:00 hrs	JOB START 2:00 pm	JOB FINISH 3:00 pm
Mowry LEASE	WELL # 1-23		LOCATION Hoxie 7E, 9 1/2 N, 1E, 1N, 3/4 W units		SHERIDAN COUNTY		KANSAS STATE
OLD OR NEW (Circle one)							

CONTRACTOR Murfin #8 OWNER same

TYPE OF JOB PTA

HOLE SIZE 7 7/8 T.D. 4175'

CASING SIZE _____ DEPTH _____

TUBING SIZE _____ DEPTH _____

DRILL PIPE 4 1/2 DEPTH 2890'

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. _____

PERFS. _____

DISPLACEMENT 31.0 bbl

CEMENT

AMOUNT ORDERED 2205 kg 60/40 470 gel
1/4# flo seal

COMMON	<u>1325 kg @ 16.25</u>	<u>2145.00</u>
POZMIX	<u>885 kg @ 8.50</u>	<u>748.00</u>
GEL	<u>85 kg @ 26.25</u>	<u>170.00</u>
CHLORIDE	@	
ASC	@	
<u>Flo seal</u>	<u>55# @ 2.70</u>	<u>148.50</u>
	@	
	@	
	@	
	@	
	@	
	@	
HANDLING	<u>2305 kg @ 2.25</u>	<u>512.50</u>
MILEAGE	<u>1185 km @</u>	<u>1391.50</u>
TOTAL		<u>5120.50</u>

EQUIPMENT

PUMP TRUCK # 431 CEMENTER habeus HELPER Damen

BULK TRUCK # 347 DRIVER Ethan

BULK TRUCK # _____ DRIVER _____

REMARKS:

mix 255 kg at 2430'
mix 1005 kg at 1525'
mix 405 kg at 440'
mix 105 kg in top of hole w/ wooden plug
plug mouse hole 155 kg
plug rat hole 305 kg

SERVICE

DEPTH OF JOB	<u>2430'</u>	
PUMP TRUCK CHARGE		<u>1258.00</u>
EXTRA FOOTAGE	@	
MILEAGE	<u>55 @ 7.00</u>	<u>385.00</u>
MANIFOLD	@	
<u>L.V. mileage</u>	<u>@ 4.00</u>	<u>220.00</u>
	@	
TOTAL		<u>1855.00</u>

CHARGE TO: Murfin Drilling Co

STREET _____

CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

<u>Top wooden plug</u>	@	<u>92.00</u>
	@	
	@	

To Allied Cementing Co., LLC.