



KANSAS CORPORATION COMMISSION 1074242  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

June 2009

Form Must Be Typed

Form must be Signed

All blanks must be Filled

**WELL COMPLETION FORM**  
**WELL HISTORY - DESCRIPTION OF WELL & LEASE**

OPERATOR: License # 8628  
Name: Credo Petroleum Corporation  
Address 1: 1801 BROADWAY # 900  
Address 2: \_\_\_\_\_  
City: DENVER State: CO Zip: 80202 + 3858  
Contact Person: Jack Renfro  
Phone: ( 303 ) 297-2200  
CONTRACTOR: License # 33575  
Name: WW Drilling, LLC  
Wellsite Geologist: Bruce Ard  
Purchaser: \_\_\_\_\_

Designate Type of Completion:

- New Well     Re-Entry     Workover
- Oil     WSW     SWD     SLOW
- 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

Conv. to GSW

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

Commingled    Permit #: \_\_\_\_\_

Dual Completion    Permit #: \_\_\_\_\_

SWD    Permit #: \_\_\_\_\_

ENHR    Permit #: \_\_\_\_\_

GSW    Permit #: \_\_\_\_\_

<u>09/05/2011</u>	<u>09/14/2011</u>	<u>10/03/2011</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-101-22310-00-00  
Spot Description: \_\_\_\_\_  
N2\_N2\_SW\_NE Sec. 9 Twp. 17 S. R. 29  East  West  
1420 Feet from  North /  South Line of Section  
1980 Feet from  East /  West Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
 NE     NW     SE     SW  
County: Lane  
Lease Name: MARCELLINE Well #: 1-9  
Field Name: \_\_\_\_\_  
Producing Formation: Johnson, Cherokee, Lansing  
Elevation: Ground: 2815 Kelly Bushing: 2820  
Total Depth: 4660 Plug Back Total Depth: \_\_\_\_\_  
Amount of Surface Pipe Set and Cemented at: 260 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set: 2298 Feet  
If Alternate II completion, cement circulated from: 2298  
feet depth to: 0 w/ 430 sx cmt.

**Drilling Fluid Management Plan**

(Data must be collected from the Reserve Pit)

Chloride content: 3400 ppm Fluid volume: 343 bbls  
Dewatering method used: Evaporated  
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**

- Letter of Confidentiality Received  
Date: 02/23/2012
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: Deanna Garcia Date: 02/29/2012



1074242

Operator Name: Credo Petroleum Corporation Lease Name: MARCELLINE Well #: 1-9  
 Sec. 9 Twp. 17 S. R. 29  East  West County: Lane

**INSTRUCTIONS:** Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run:  attached	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>Anhydrite</td> <td>2214</td> <td>606</td> </tr> <tr> <td>Topeka</td> <td>3684</td> <td>-864</td> </tr> <tr> <td>Heebner</td> <td>3927</td> <td>-1107</td> </tr> <tr> <td>Lansing</td> <td>3966</td> <td>-1146</td> </tr> <tr> <td>Mississippian</td> <td>4560</td> <td>-1740</td> </tr> </table>	Name	Top	Datum	Anhydrite	2214	606	Topeka	3684	-864	Heebner	3927	-1107	Lansing	3966	-1146	Mississippian	4560	-1740
Name	Top	Datum																	
Anhydrite	2214	606																	
Topeka	3684	-864																	
Heebner	3927	-1107																	
Lansing	3966	-1146																	
Mississippian	4560	-1740																	

CASING RECORD <input checked="" 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
Surface	12.25	8.625	23	260	Class A	175	3% cc 2% gel
Production	7.825	5.5	14	4658	ASC / POZ	640	10% salt / 2% ge;

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
— Perforate				
— Protect Casing	-			
— Plug Back TD				
— Plug Off Zone	-			

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
3	9	500 gal 15% MCA	4534 - 4543
3	18	750 gal 15% MCA	4490 - 4516
4	4	500 gal 15% MCA	4471 - 4475
4	7	750 gal 15% MCA	4203 - 4210
3	20	1250 gal 15% MCA	4144 - 4183

TUBING RECORD: Size: <u>2.875</u> Set At: <u>4565</u> Packer At:		Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR. <u>10/16/2011</u>	Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____	
Estimated Production Per 24 Hours	Oil Bbls. <u>35</u>	Gas Mcf <u>0</u> Water Bbls. <u>40</u> Gas-Oil Ratio <u>0</u> Gravity <u>36</u>

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 checked="" type="checkbox"/> Commingled <i>(Submit ACO-5) (Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>4144</u> <u>4543</u>
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# ALLIED CEMENTING CO., LLC. 037358

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

SERVICE POINT:  
Great Bend, KS

DATE <u>9-6-11</u>	SEC <u>9</u>	TWP. <u>17S</u>	RANGE <u>29W</u>	CALLED OUT	ON LOCATION	JOB START <u>6:00 pm</u>	JOB FINISH <u>6:29 pm</u>	
LEASE <u>Marcelline</u>		WELL # <u>1-9</u>		LOCATION <u>Junction K24n + K4W 1W 1S</u>		COUNTY <u>Lane</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one) <input checked="" type="radio"/> OLD			<u>K4W 5 into</u>					

CONTRACTOR WV Drilling Rig #10

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. 260

CASING SIZE 8 3/8 DEPTH 260

TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

DRILL PIPE 4 1/2 DEPTH 260

TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_

PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_

MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_

CEMENT LEFT IN CSG. 156

PERFS. \_\_\_\_\_

DISPLACEMENT Freshwater

OWNER Credo Petroleum Corp.

CEMENT

AMOUNT ORDERED 175 cu Com 3% @ 29 gal

COMMON	<u>175</u>	@	<u>16.25</u>	<u>2843.75</u>
POZMIX		@		
GEL	<u>3</u>	@	<u>21.25</u>	<u>63.75</u>
CHLORIDE	<u>6</u>	@	<u>58.20</u>	<u>349.20</u>
ASC		@		
		@		
		@		
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>184 x</u>	@	<u>2.25</u>	<u>414.00</u>
MILEAGE	<u>184 x 15 x .11</u>			<u>302.40</u>
TOTAL				<u>4581.00</u>

EQUIPMENT

PUMP TRUCK CEMENTER Bob R

# 366 HELPER Share

BULK TRUCK

# 482-188 DRIVER Kevin W.

BULK TRUCK

# \_\_\_\_\_ DRIVER \_\_\_\_\_

**REMARKS:**

Rig wait time 1.75 hrs  
Pipe on bottom prevent circulation with rig  
and rig up to cement pump. Mix 175 cu com  
3% ca 29 gal. shut down - change valves - release  
plug. Replace with 15.6 bbl freshwater

CHARGE TO: Credo Petroleum Corp.

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

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 Justin Hamilton

SIGNATURE [Signature]

*Thank you!*

**SERVICE**

DEPTH OF JOB	<u>260</u>			
PUMP TRUCK CHARGE				<u>1125.00</u>
EXTRA FOOTAGE		@		
MILEAGE	<u>HVM 90</u>	@	<u>7.00</u>	<u>630.00</u>
MANIFOLD		@		
	<u>HVM 90</u>	@	<u>4.00</u>	<u>360.00</u>
		@		
TOTAL				<u>2115.00</u>

**PLUG & FLOAT EQUIPMENT**

Wooden plug		@	<u>94.00</u>	<u>94.00</u>
		@		
		@		
		@		
		@		
TOTAL				<u>94.00</u>

SALES TAX (If Any) \_\_\_\_\_

TOTAL CHARGES 6,790.50

DISCOUNT 20% 2,308.50

4,482.00

IF PAID IN 30 DAYS

# ALLIED CEMENTING CO., LLC. 035987

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

SERVICE POINT:

*(Dobby K.)*

DATE <i>9/11/11</i>	SEC. <i>9</i>	TWP. <i>17</i>	RANG. <i>29</i>	CALLED OUT	ON LOCATION	JOB START <i>6:00 PM</i>	JOB FINISH <i>7:30 PM</i>
LEASH <i>Macellin</i>	WELL # <i>1-9</i>	LOCATION <i>Healy E TO Gatcheck Rd 2.5</i>				COUNTY <i>Land</i>	STATE <i>KS</i>
OLD OR NEW (Circle one)			<i>NEW</i>				

CONTRACTOR *WW 10 Drilling* OWNER *Sum*

TYPE OF JOB *Production*

HOLE SIZE *7 7/8* TD. *4660*

CASING SIZE *5 7/8* DEPTH *4659*

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL *AV* DEPTH *2298* HO

PRES. MAX MINIMUM

MEAS. LINE SHOE POINT *22'*

CEMENT LEFT IN CSG. *22'*

PERFS.

DISPLACEMENT *2.7m 5160 206 kg And*

*71* *42.0* EQUIPMENT

PUMP TRUCK CEMENTER *Ala*

*# 472* HELPER *Wayne*

BULK TRUCK

*# 949* DRIVER *Earl*

BULK TRUCK

*# 344-119* DRIVER *Kevin - GB*

CEMENT

AMOUNT ORDERED *210 ASC 1070 Salt 2920*

*5 Gilsonite 480 H.W. 14 Flo Sand*

COMMON		⊙		
POZMIX		⊙		
GEL	<i>4</i>	⊙	<i>21.25</i>	<i>85.00</i>
CHLORIDE		⊙		
ASC	<i>210 csk</i>	⊙	<i>19.00</i>	<i>3980.00</i>
<i>Al.W.</i>	<i>480 Sbk</i>	⊙	<i>14.25</i>	<i>6860.00</i>
		⊙		
<i>Flo Sand</i>	<i>120 H</i>	⊙	<i>2.70</i>	<i>324.00</i>
		⊙		
<i>Salt</i>	<i>20 Sbk</i>	⊙	<i>23.25</i>	<i>465.00</i>
<i>Gilsonite</i>	<i>10 Sbk</i>	⊙	<i>1.89</i>	<i>18.90</i>
		⊙		
<i>WFR II</i>		⊙	<i>1.20</i>	<i>635.00</i>
HANDLING	<i>273 Sbk</i>	⊙	<i>2.25</i>	<i>1230.00</i>
MILEAGE <i>19.58/1/2 mile</i>		⊙		<i>5121.00</i>
TOTAL				<i>20246.00</i>

REMARKS:

*Run 2.7m 5160 206 kg And  
Tail ad 10 1/2 ASC 1070 Salt 2920  
Wash Tank Line. Dis. Flow Plug to bottom well  
and the cement. Control. Dis. Flow Plug to bottom well  
for 1st Cement. 2.7m 5160 206 kg And. R.H. 10  
for 2nd Cement. 2.7m 5160 206 kg And. Dis. Flow  
Plug to top well 5.7 H.W. 14 Flo Sand 120 H  
1st Cement Plug - Close well @ 2298  
Tool Closed.  
ment Dis. Or date. Thank You Alan, Wayne  
Earl, Kevin*

CHARGE TO: *Cred*

SERVICE

DEPTH OF JOB	<i>4659</i>	
PUMP TRUCK CHARGE		<i>2425.00</i>
EXTRA FOOTAGE		⊙
MILEAGE <i>60 X 2</i>	<i>2</i>	⊙ <i>640.00</i>
MANIFOLD - Head - Rotator		⊙ <i>400.00</i>
Wash Tank <i>60 X 2</i>	<i>2</i>	⊙ <i>480.00</i>
TOTAL <i>4125.00</i>		

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

PLUG & FLOAT EQUIPMENT

<i>AV Tool</i>	<i>- 1</i>	⊙	<i>3221.00</i>
<i>Control Line</i>	<i>- 10</i>	⊙	<i>490.00</i>
<i>App. Manifold</i>	<i>- 1</i>	⊙	<i>389.00</i>
<i>Wash Tank</i>	<i>- 2</i>	⊙	<i>628.00</i>
<i>Wash Tank</i>	<i>- 1</i>	⊙	<i>287.00</i>
TOTAL <i>5511.00</i>			

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.

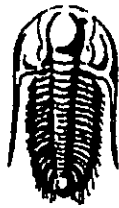
PRINTED NAME *Lee Brock*

SIGNATURE *Lee Brock*

SALES TAX (If Any) \_\_\_\_\_

TOTAL CHARGES \_\_\_\_\_

DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Credo Petroleum Corporation**

1801 Broadway, STE 800  
Denver, CO 80202

ATTN: Bruce Ard

**Marcelline #1-9**

**9-17s-29w Lane, KS**

Start Date: 2011.09.11 @ 02:14:00

End Date: 2011.09.11 @ 09:14:00

Job Ticket #: 43650      DST #: 1

Credo Petroleum Corporation  
9-17s-29w Lane, KS  
Marcelline #1-9  
DST # 1  
LKC C-F  
2011.09.11

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

Printed: 2011.09.21 @ 09:02:26



**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

Credo Petroleum Corporation  
1801 Broadway, STE 900  
Denver, CO 80202  
ATTN: Bruce Ard

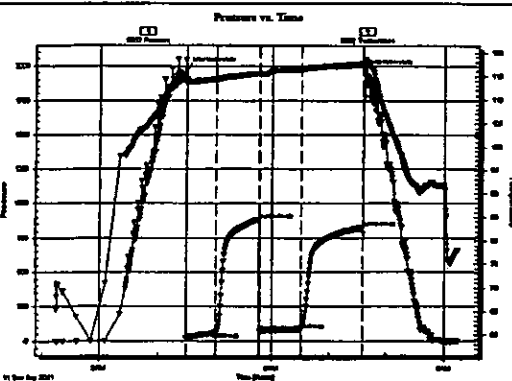
9-17e-29w Lane, KS  
Marcelline #1-9  
Job Ticket: 43650 DST#: 1  
Test Start: 2011.09.11 @ 02:14:00

**GENERAL INFORMATION:**

Formation: LMC C-F  
 Deviated: No Whipstock: ft (KB)  
 Test Type: Conventional Bottom Hole (Initial)  
 Time Tool Opened: 04:30:00 Tester: Bradley Walter  
 Time Test Ended: 09:14:00 Unit No: 40  
 Interval: 3988.00 ft (KB) To 4074.00 ft (KB) (TVD) Reference Elevations: 2820.00 ft (KB)  
 Total Depth: 4074.00 ft (KB) (TVD) 2815.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GRCP: 5.00 ft

Serial #: 8652 Inside  
 Press@RunDepth: 83.27 psig @ 3989.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2011.09.11 End Date: 2011.09.11 Last Calib.:  
 Start Time: 02:14:05 End Time: 09:13:59 Time On Btm: 2011.09.11 @ 04:29:45  
 Time Off Btm: 2011.09.11 @ 07:36:30

TEST COMMENT: IF: 3 1/2" blow  
 IS: No return.  
 FF: 1 1/2 inches blow.  
 FSI: No return.



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	198.23	114.29	Initial Hydro-static
1	20.72	113.60	Open To Flow (1)
32	58.64	114.37	Shut-In (1)
77	88.00	115.63	End Shut-In (1)
77	69.08	115.38	Open To Flow (2)
121	83.27	116.52	Shut-In (2)
185	82.25	117.54	End Shut-In (2)
187	196.50	118.59	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
150.00	gocm 10g 20o 70m	0.99

Gas Rates			
	Choke (Inches)	Pressure (psig)	Gas Rate (Mcf/D)



**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

Credo Petroleum Corporation

9-17s-29w Lane, KS

1801 Broadway, STE 900  
Denver, CO 80202

Marcelline #1-9

Job Ticket: 43650

DST#: 1

ATTN: Bruce Ard

Test Start: 2011.09.11 @ 02:14:00

**Tool Information**

Drill Pipe:	Length: 3858.00 ft	Diameter: 3.80 inches	Volume: 54.12 bbl	Tool Weight: 2500.00 lb
Heavy Wtl. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 122.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to P/L Loose: 77000.00 lb
			<b>Total Volume: 54.72 bbl</b>	Tool Chased: 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	3988.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	86.00 ft			
Tool Length:	114.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3961.00	
Shut In Tool	5.00			3968.00	
Hydraulic tool	5.00			3971.00	
Jars	5.00			3976.00	
Safety Joint	2.00			3978.00	
Packer	5.00			3983.00	28.00 Bottom Of Top Packer
Packer	5.00			3988.00	
Stub	1.00			3989.00	
Recorder	0.00	8652	Inside	3989.00	
Recorder	0.00	8360	Outside	3989.00	
Perforations	17.00			4006.00	
Change Over Sub	1.00			4007.00	
Drill Pipe	63.00			4070.00	
Change Over Sub	1.00			4071.00	
Bullnose	3.00			4074.00	86.00 Bottom Packers & Anchor

**Total Tool Length: 114.00**



**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Credo Petroleum Corporation

9-17e-29w Lane, KS

1801 Broadway, STE 900  
Denver, CO 80202

Marcelline #1-9

Job Ticket: 43650

DST#: 1

ATTN: Bruce Ard

Test Start: 2011.09.11 @ 02:14:00

**Mud and Cushion Information**

Mud Type: Gel Chem	Cushion Type:	Oil API:	0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	0 ppm
Viscosity: 50.00 sec/qt	Cushion Volume: bbl		
Water Loss: 5.17 in <sup>2</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1100.00 ppm			
Filter Cake: 1.00 inches			

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
150.00	gcsm 10g 20c 70m	0.993

Total Length: 150.00ft      Total Volume: 0.993 bbl

Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:

Laboratory Name:      Laboratory Location:

Recovery Comments:

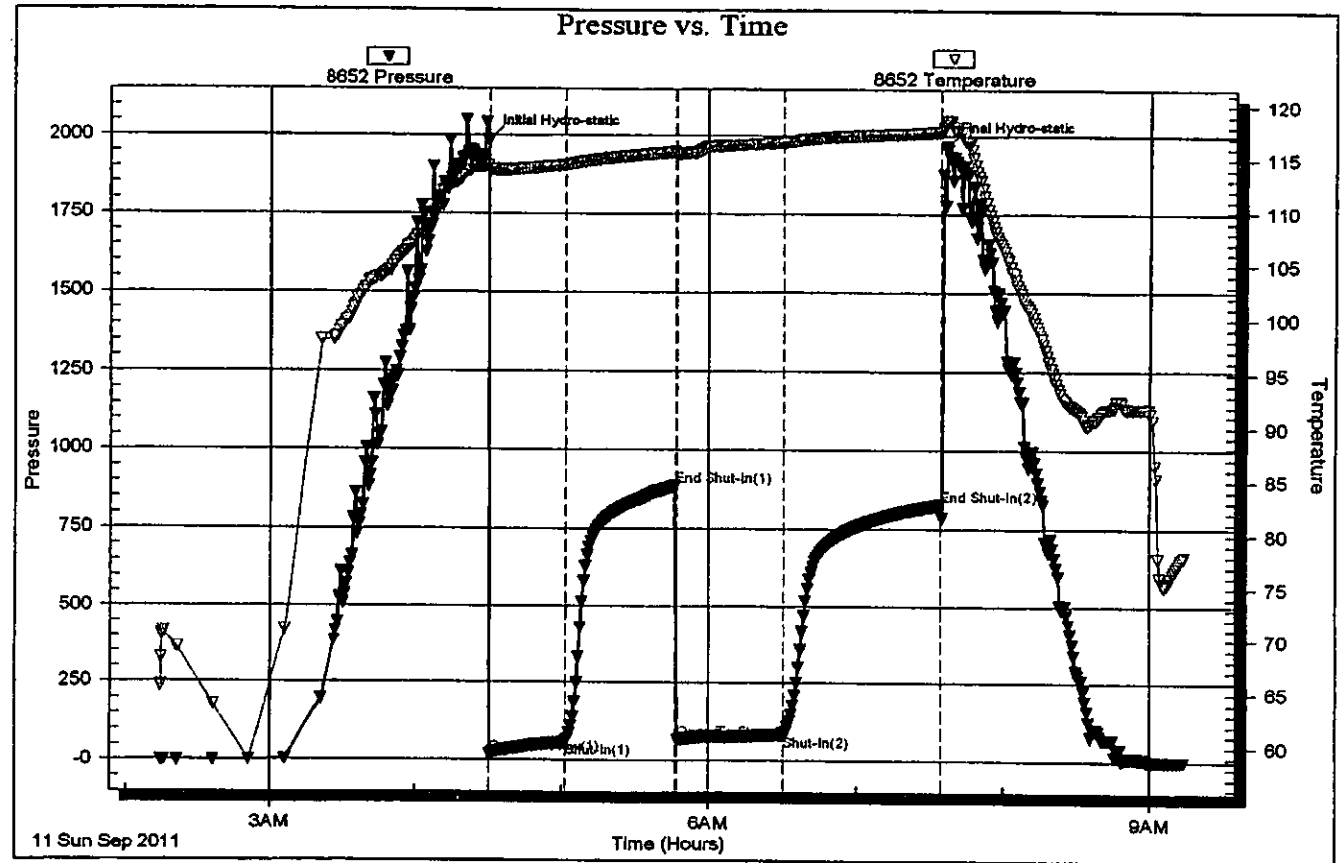


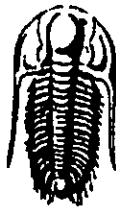
Serial #: 8652

Inside Credo Petroleum Corporation

Marcelline #1-9

DST Test Number: 1





**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

Prepared For: **Credo Petroleum Corporation**

1801 Broadway, STE 900  
Denver, CO 80202

ATTN: Bruce Ard

**Marcelline #1-9**

**9-17s-29w Lane, KS**

Start Date: 2011.09.11 @ 23:24:00

End Date: 2011.09.12 @ 06:39:00

Job Ticket #: 44476                      DST #: 2

Credo Petroleum Corporation  
9-17s-29w Lane, KS  
Marcelline #1-9  
DST # 2  
LKC H&I  
2011.09.11

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



**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

Credo Petroleum Corporation  
1801 Broadway, STE 900  
Denver, CO 80202  
ATTN: Bruce Ard

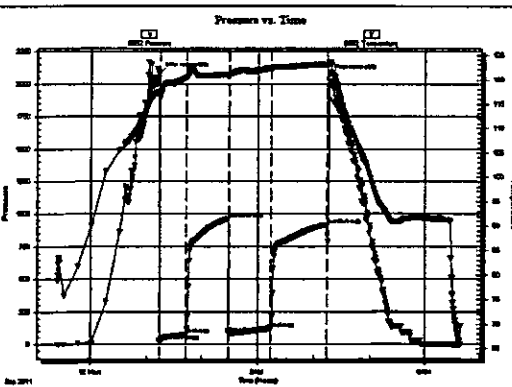
9-17s-29w Lane, KS  
Marcelline #1-9  
Job Ticket: 44476 DST#: 2  
Test Start: 2011.09.11 @ 23:24:00

**GENERAL INFORMATION:**

Formation: LMC H&J  
 Deviated: No Whipstock ft (KB)  
 Test Type: Conventional Bottom Hole (Reset)  
 Time Tool Opened: 01:14:15  
 Tester: Bradley Walter  
 Time Test Ended: 06:39:00  
 Unit No: 40  
 Interval: 4130.00 ft (KB) To 4190.00 ft (KB) (TVD)  
 Reference Elevations: 2820.00 ft (KB)  
 Total Depth: 4190.00 ft (KB) (TVD)  
 2815.00 ft (CF)  
 Hole Diameter: 7.88 inches  
 Hole Condition: Good  
 KB to GRCP: 5.00 ft

Serial #: 8652 Inside  
 Press @ Run Depth: 119.88 psig @ 4131.00 ft (KB)  
 Capacity: 8000.00 psig  
 Start Date: 2011.09.11 End Date: 2011.09.12  
 Last Calib.: 2011.09.12  
 Start Time: 23:24:05 End Time: 06:38:59  
 Time On Btm: 2011.09.12 @ 01:14:00  
 Time Off Btm: 2011.09.12 @ 04:15:45

**TEST COMMENT:** IF: BOB @ 15 minutes.  
 IS: No return.  
 FF: BOB @ 15 minutes.  
 FS: Return built to 2 1/2", died @ 47 minutes.



**PRESSURE SUMMARY**

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2082.19	117.66	Initial Hydro-static
1	22.63	116.43	Open To Flow (1)
29	74.76	120.36	Shut-In (1)
74	965.35	121.00	End Shut-In (1)
75	84.80	120.85	Open To Flow (2)
120	119.88	122.29	Shut-In (2)
180	920.16	123.06	End Shut-In (2)
182	2068.39	123.38	Final Hydro-static

**Recovery**

Length (ft)	Description	Volume (bb)
160.00	gocm 20g 40m 40o	1.13
100.00	go 50g 50o	1.40
0.00	660' GP	0.00

\* Recovery from multiple tests

**Gas Rates**

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



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

Credo Petroleum Corporation

9-17s-29w Lane, KS

1801 Broadway, STE 600  
Denver, CO 80202

Marcelline #1-9

Job Ticket: 44476

DST#: 2

ATTN: Bruce Ard

Test Start: 2011.09.11 @ 23:24:00

**Tool Information**

Drill Pipe:	Length: 3985.00 ft	Diameter: 3.80 Inches	Volume: 55.90 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 Inches	Volume: 0.00 bbl	Weight set on Packer:	lb
Drill Collar:	Length: 122.00 ft	Diameter: 2.25 Inches	Volume: 0.60 bbl	Weight to Pull Loose:	lb
			<u>Total Volume: 56.50 bbl</u>	Tool Chased:	ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial	lb
Depth to Top Packer:	4130.00 ft			Final	lb
Depth to Bottom Packer:	ft				
Interval between Packers:	60.00 ft				
Tool Length:	88.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4103.00	
Shut In Tool	5.00			4108.00	
Hydraulic tool	5.00			4113.00	
Jars	5.00			4118.00	
Safety Joint	2.00			4120.00	
Packer	5.00			4125.00	28.00 Bottom Of Top Packer
Packer	5.00			4130.00	
Stubb	1.00			4131.00	
Recorder	0.00	8652	Inside	4131.00	
Recorder	0.00	8360	Outside	4131.00	
Perforations	22.00			4153.00	
Change Over Sub	1.00			4154.00	
Drill Pipe	32.00			4186.00	
Change Over Sub	1.00			4187.00	
Buttrose	3.00			4190.00	60.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>88.00</b>				



**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Credo Petroleum Corporation	9-17s-29w Lane, KS
1801 Broadway, STE 900 Denver, CO 80202	Marcelline #1-9
ATTN: Bruce Ard	Job Ticket: 44478      DST#: 2
	Test Start: 2011.09.11 @ 23:24:00

**Mud and Cushion Information**

Mud Type: Gel Chem	Cushion Type:	Oil API:	37 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Satfity:	0 ppm
Viscosity: 70.00 sec/qt	Cushion Volume: bbl		
Water Loss: 5.58 in"	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1300.00 ppm			
Filter Cake: 1.00 inches			

**Recovery Information**

Recovery Table .

Length ft	Description	Volume bbl
160.00	gocm 20g 40m 40o	1.133
100.00	pp 50g 50o	1.403
0.00	650' GP	0.000

Total Length: 260.00ft      Total Volume: 2.536 bbl

Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:

Laboratory Name:      Laboratory Location:

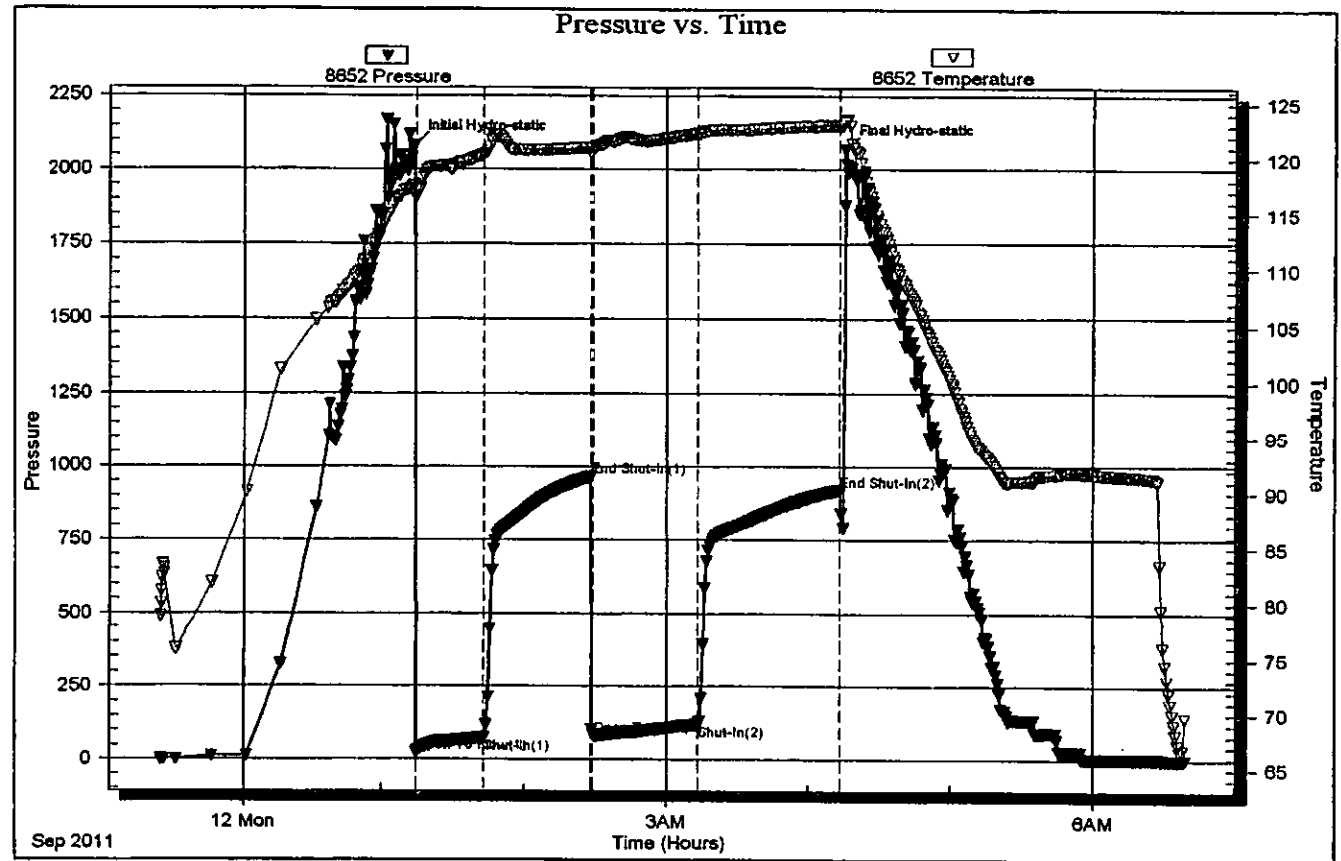
Recovery Comments: API Is 38@ 70 = 37

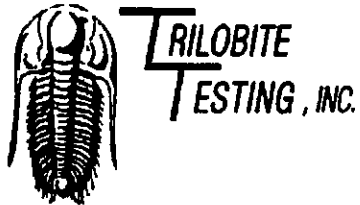
Serial #: 8652

Inside Oredo Petroleum Corporation

Marcelline #1-9

DST Test Number: 2





## DRILL STEM TEST REPORT

Prepared For: **Credo Petroleum Corporation**

1801 Broadway, STE 900  
Denver, CO 80202

ATTN: Bruce Ard

**Marcelline #1-9**

**9-17s-29w Lane, KS**

Start Date: 2011.09.12 @ 16:13:00

End Date: 2011.09.12 @ 23:47:45

Job Ticket #: 44477      DST #: 3

Credo Petroleum Corporation  
9-17s-29w Lane, KS  
Marcelline #1-9  
DST # 3  
LKC JAK  
2011.09.12

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

Printed: 2011.09.21 @ 09:03:03



**TRIOLOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

Credo Petroleum Corporation  
1801 Broadway, STE 900  
Denver, CO 80202  
ATTN: Bruce Ard

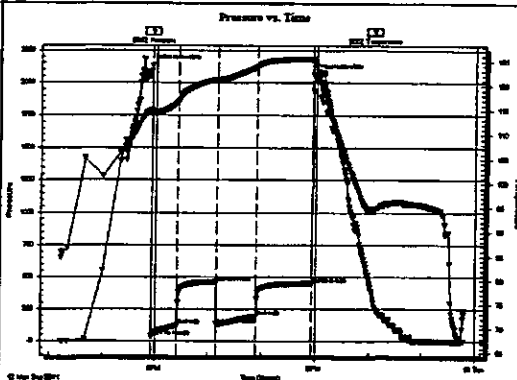
9-17s-29w Lane, KS  
Marcelline #1-9  
Job Ticket: 44477 DST#: 3  
Test Start: 2011.09.12 @ 16:13:00

**GENERAL INFORMATION:**

Formation: LKC J&K  
Deviated: No Whipstock ft (KB)  
Time Tool Opened: 17:55:00  
Time Test Ended: 23:47:45  
Test Type: Conventional Bottom Hole (Reset)  
Tester: Bradley Walter  
Unit No: 40  
Interval: 4194.00 ft (KB) To 4244.00 ft (KB) (TVD)  
Total Depth: 4244.00 ft (KB) (TVD)  
Reference Elevations: 2820.00 ft (KB)  
2815.00 ft (CF)  
Hole Diameter: 7.88 inches Hole Condition: Good  
KB to GR/CF: 5.00 ft

Serial #: 8652 Inside  
Press@RunDepth: 194.36 psig @ 4195.00 ft (KB) Capacity: 8000.00 psig  
Start Date: 2011.09.12 End Date: 2011.09.12 Last Calib.: 2011.09.12  
Start Time: 16:13:05 End Time: 23:47:44 Time On Btm: 2011.09.12 @ 17:54:45  
Time Off Btm: 2011.09.12 @ 20:57:00

TEST COMMENT: F: BOB @ 17 minutes.  
IS: No return.  
FF: BOB @ 22 minutes.  
FS: 1/2 Inch blow, died @ 30 minutes.



**PRESSURE SUMMARY**

Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	2129.03	114.94	Initial Hydro-static
1	34.27	114.23	Open To Flow (1)
31	124.77	116.69	Shut-In (1)
75	461.15	121.22	End Shut-In (1)
76	134.08	121.08	Open To Flow (2)
119	194.36	123.75	Shut-In (2)
181	448.05	125.43	End Shut-In (2)
183	2061.35	124.67	Final Hydro-static

**Recovery**

Length (ft)	Description	Volume (bbl)
240.00	mcw 20m 80w (oil spots)	2.26
120.00	ow cm 10o 15w 75m	1.68
100.00	go 20g 80o	1.40
0.00	850' GP	0.00

\* Recovery from multiple tests

**Gas Rates**

	Core (inches)	Pressure (psig)	Gas Rate (Mc/d)





**TRILOBITE TESTING, INC**

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

Credo Petroleum Corporation

9-17s-29w Lane, KS

1801 Broadway, STE 900  
Denver, CO 80202

Marcelline #1-9

Job Ticket: 44477

DST#: 3

ATTN: Bruce Ard

Test Start: 2011.09.12 @ 16:13:00

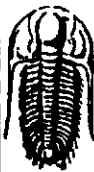
**Tool Information**

Drill Pipe:	Length: 4050.00 ft	Diameter: 3.80 inches	Volume: 56.81 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 122.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 73000.00 lb
			Total Volume: 57.41 bbl	Tool Chased: 0.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial 64000.00 lb
Depth to Top Packer:	4194.00 ft			Final 65000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	50.00 ft			
Tool Length:	78.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4167.00	
Shut In Tool	5.00			4172.00	
Hydraulic tool	5.00			4177.00	
Jars	5.00			4182.00	
Safety Joint	2.00			4184.00	
Packer	5.00			4189.00	28.00 Bottom Of Top Packer
Packer	5.00			4194.00	
Stubb	1.00			4195.00	
Recorder	0.00	8652	Inside	4195.00	
Recorder	0.00	8360	Outside	4195.00	
Perforations	12.00			4207.00	
Change Over Sub	1.00			4208.00	
Drill Pipe	32.00			4240.00	
Change Over Sub	1.00			4241.00	
Bullnose	3.00			4244.00	50.00 Bottom Packers & Anchor

**Total Tool Length: 78.00**



**TRIOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Credo Petroleum Corporation  
1801 Broadway, STE 900  
Denver, CO 80202  
ATTN: Bruce Ard

9-17e-29w Lane, KS  
Marcelline #1-9  
Job Ticket: 44477      DST#: 3  
Test Start: 2011.09.12 @ 18:13:00

**Mud and Cushion Information**

Mud Type: Gel Chem  
Mud Weight: 9.00 lb/gal  
Viscosity: 70.00 sec/qt  
Water Loss: 6.38 in\*  
Resistivity: ohm.m  
Salinity: 1500.00 ppm  
Filter Cake: 1.00 inches

Cushion Type:  
Cushion Length: ft  
Cushion Volume: bbl  
Gas Cushion Type:  
Gas Cushion Pressure: psig

Oil API: 36 deg API  
Water Sat: 55000 ppm

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
240.00	mcw 20m 80w (oil spots)	2.255
120.00	ow cm 10o 15w 75m	1.683
100.00	gp 20g 80o	1.403
0.00	850 GP	0.000

Total Length: 460.00ft      Total Volume: 5.341 bbl

Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:

Laboratory Name:      Laboratory Location:

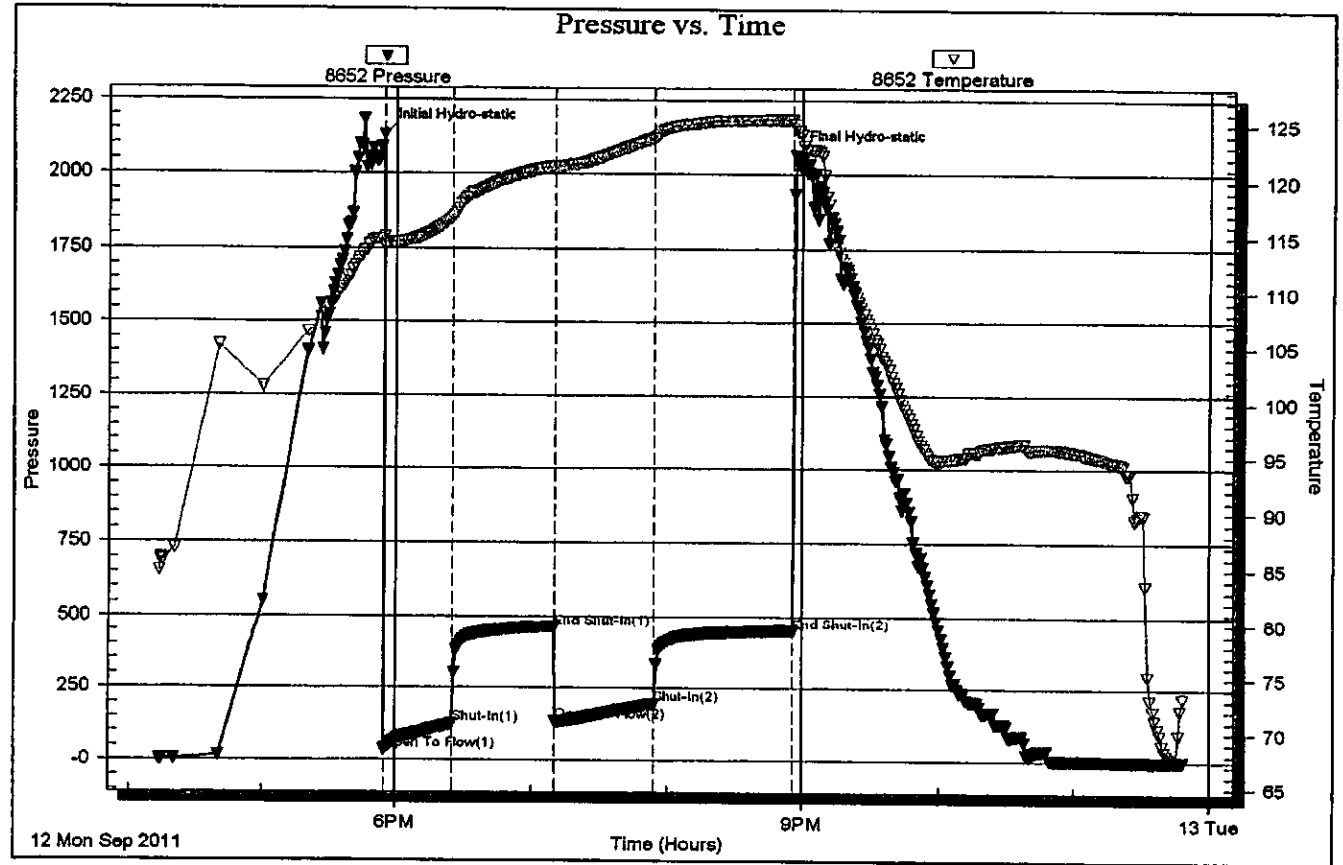
Recovery Comments: API is 37 @ 70 = 36  
rw is .130 @ 73 = 55000 ppm

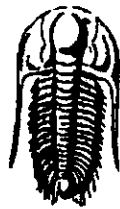
Serial #: 8652

Inside Credo Petroleum Corporation

Marcelline #1-9

DGT Test Number: 3





**TRILOBITE**  
**TESTING, INC.**

**DRILL STEM TEST REPORT**

Prepared For: **Credo Petroleum Corporation**

1801 Broadway, STE 900  
Denver, CO 80202

ATTN: Bruce Ard

**Marcelline #1-9**

**9-17s-29w Lane, KS**

Start Date: 2011.09.14 @ 03:25:00

End Date: 2011.09.14 @ 09:32:00

Job Ticket #: 44478                      DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67801

ph: 785-625-4778 fax: 785-625-5620

Credo Petroleum Corporation    9-17s-29w Lane, KS    Marcelline #1-9    DST # 4    Altamont - Ft Scott    2011.09.14



**TRILOBITE TESTING, INC.**

### DRILL STEM TEST REPORT

Credo Petroleum Corporation

9-17a-29w Lane, KS

1801 Broadway, STE 900  
Denver, CO 80202

Marcelline #1-9

Job Ticket: 44478

DST#: 4

ATTN: Bruce Ard

Test Start: 2011.09.14 @ 03:25:00

#### GENERAL INFORMATION:

Formation: Altamont - R Scott

Deviated: No Whipstock ft (KB)

Time Tool Opened: 05:05:30

Time Test Ended: 09:32:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 40

Interval: 4372.00 ft (KB) To 4460.00 ft (KB) (TVD)

Total Depth: 4460.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches-Hole Condition: Good

Reference Elevations: 2820.00 ft (KB)

2815.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8360

Outside

Press@RunDepth: 35.77 psig @ 4373.00 ft (KB)

Start Date: 2011.09.14

End Date:

2011.09.14

Capacity: 8000.00 psig

Last Calib.: 2011.09.14

Start Time: 03:25:05

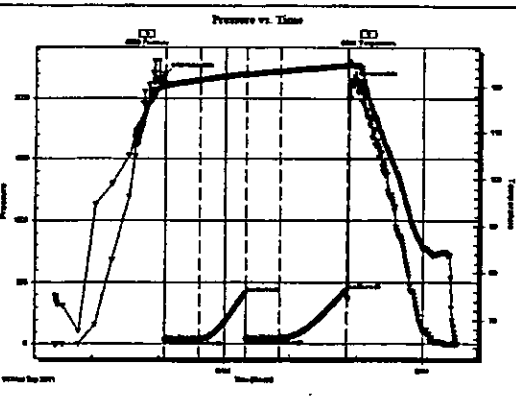
End Time:

09:31:59

Time On Btm: 2011.09.14 @ 05:05:15

Time Off Btm: 2011.09.14 @ 07:52:15

TEST COMMENT: F: Surface blow, died @ 14 minutes.  
 ES: No return.  
 FF: No blow.  
 FSI: No return.



#### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2200.07	120.50	Initial Hydro-static
1	29.21	119.82	Open To Flow (1)
32	32.89	121.39	Shut-In(1)
75	414.95	122.74	End Shut-In(1)
75	32.47	122.49	Open To Flow (2)
105	35.77	123.30	Shut-In(2)
166	438.99	124.54	End Shut-In(2)
167	2135.51	124.94	Final Hydro-static

#### Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud 100m	0.02

\* Recovery from multiple tests

#### Gas Rates

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



**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

Credo Petroleum Corporation

9-17a-29w Lane, KS

1801 Broadway, STE 900  
Denver, CO 80202

Marcelline #1-9

Job Ticket: 44478

DST#: 4

ATTN: Bruce Ard

Test Start: 2011.09.14 @ 03:25:00

**Tool Information**

Drill Pipe:	Length: 4240.00 ft	Diameter: 3.80 inches	Volume: 59.48 bbl	Tool Weight: 2500.00 lb
Heavy Wl. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 122.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 82000.00 lb
			<u>Total Volume: 60.08 bbl</u>	Tool Chased: 0.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial 65000.00 lb
Depth to Top Packer:	4372.00 ft			Final 65000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	88.00 ft			
Tool Length:	116.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4345.00	
Shut In Tool	5.00			4350.00	
Hydraulic tool	5.00			4355.00	
Jars	5.00			4360.00	
Safety Joint	2.00			4362.00	
Packer	5.00			4367.00	28.00 Bottom Of Top Packer
Packer	5.00			4372.00	
Stubb	1.00			4373.00	
Recorder	0.00	8652	Inside	4373.00	
Recorder	0.00	8360	Outside	4373.00	
Perforations	19.00			4392.00	
Change Over Sub	1.00			4393.00	
Drill Pipe	63.00			4456.00	
Change Over Sub	1.00			4457.00	
Bullnose	3.00			4460.00	88.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>		<b>116.00</b>			



**TRIBOLITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Orco Petroleum Corporation

9-17<sup>e</sup>-29w Lane, KS

1801 Broadway, STE 900  
Denver, CO 80202

Marcelline #1-9

Job Ticket: 44478

DST#: 4

ATTN: Bruce Ard

Test Start: 2011.09.14 @ 03:25:00

**Mud and Cushion Information**

Mud Type: Gel Chem

Cushion Type:

CI AP:

0 deg AP

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbt

Water Loss: 6.39 in<sup>2</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 1.00 inches

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbt
5.00	mud 100m	0.025

Total Length: 5.00ft Total Volume: 0.025 bbt

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

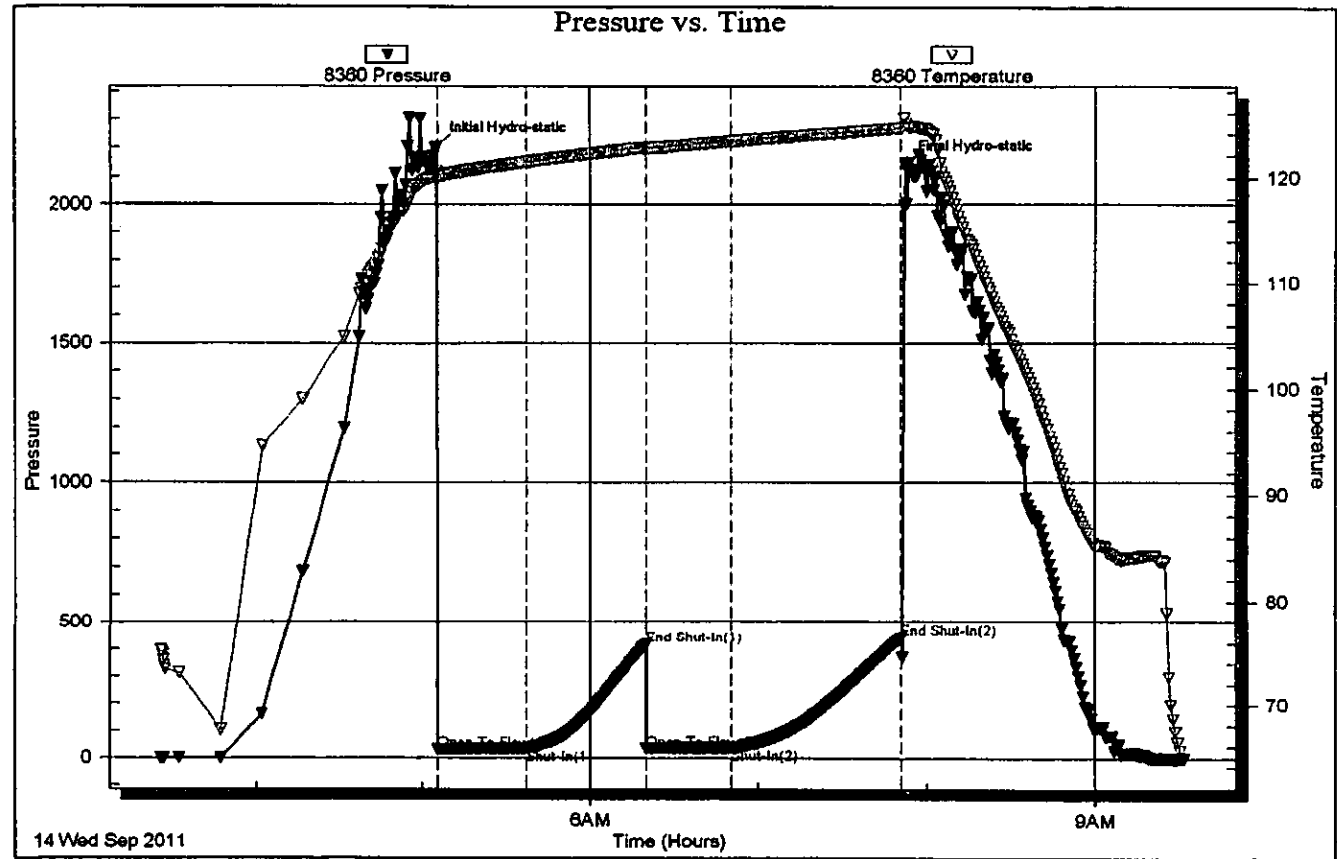
Recovery Comments:

Serial #: 8360

Outside Ordo Petroleum Corporation

Marcelline #1-9

DST Test Number: 4



Tribble Testing, Inc

Ref. No: 44478

Printed: 2011.09.21 @ 09:03:24





**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

Prepared For: **Credo Petroleum Corporation**

1801 Broadway, STE 900  
Denver, CO 80202

ATTN: Bruce Ard

**Marcelline #1-9**

**9-17s-29w Lane, KS**

Start Date: 2011.09.14 @ 23:09:00

End Date: 2011.09.15 @ 08:22:30

Job Ticket #: 44479

DST #: 5

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Credo Petroleum Corporation

9-17s-29w Lane, KS

Marcelline #1-9

DST # 5

Cherokee - Johnson

2011.09.14



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

Credo Petroleum Corporation  
1801 Broadway, STE 900  
Denver, CO 80202  
ATTN: Bruce Ard

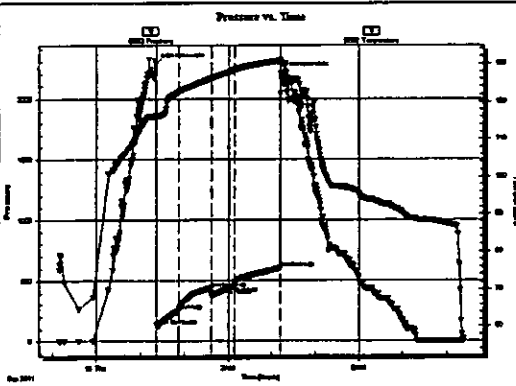
9-17s-29w Lane, KS  
Marcelline #1-9  
Job Ticket: 44479 DST#: 5  
Test Start: 2011.09.14 @ 23:09:00

**GENERAL INFORMATION:**

Formation: Cherokee - Johnson  
 Deviated: No Whipstock ft (KB)  
 Test Type: Conventional Bottom Hole (Reset)  
 Time Tool Opened: 01:21:30 Tester: Bradley Walter  
 Time Test Ended: 06:22:30 Unit No: 40  
 Interval: 4460.00 ft (KB) To 4542.00 ft (KB) (TVD) Reference Elevations: 2820.00 ft (KB)  
 Total Depth: 4572.00 ft (KB) (TVD) 2815.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 5.00 ft

Serial #: 8652 Inside  
 Press@RunDepth: 455.33 psig @ 4461.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2011.09.14 End Date: 2011.09.15 Last Calib.: 2011.09.15  
 Start Time: 23:09:05 End Time: 08:22:30 Time On Btm: 2011.09.15 @ 01:21:30  
 Time Off Btm: 2011.09.15 @ 04:12:30

TEST COMMENT: IF: BOB 1 1/2 minutes.  
 IS: BOB 3 min after bled off.  
 FF: BOB 1 1/2 minutes.  
 FS: BOB 2 min Gassy odor at end of shut in.



**PRESSURE SUMMARY**

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2284.63	116.56	Initial Hydro-static
1	131.18	116.11	Open To Flow (1)
32	252.67	122.53	Shut-In (1)
76	440.45	126.14	End Shut-In (1)
77	378.16	126.18	Open To Flow (2)
107	455.33	128.26	Shut-In (2)
171	603.97	130.66	End Shut-In (2)
172	2207.88	130.48	Final Hydro-static

**Recovery**

Length (ft)	Description	Volume (bbl)
310.00	gocm 30g 10o 60m	3.24
430.00	go 30g 70o	6.03
770.00	go 60g 40o	10.80
0.00	2950 GIP	0.00

**Gas Rates**

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

\* Recovery from multiple tests



**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

Credo Petroleum Corporation

9-17<sup>th</sup>-29<sup>th</sup> Lane, KS

1801 Broadway, STE 900  
Denver, CO 80202

Marcelline #1-9

Job Ticket: 44479

DST#: 5

ATTN: Bruce Ard

Test Start: 2011.09.14 @ 23:09:00

**Tool Information**

Drill Pipe:	Length: 4332.00 ft	Diameter: 3.80 inches	Volume: 60.77 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 122.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 78000.00 lb
			<u>Total Volume: 61.37 bbl</u>	Tool Chased: 0.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial 68000.00 lb
Depth to Top Packer:	4460.00 ft			Final 68000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	82.00 ft			
Tool Length:	110.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4433.00	
Shut In Tool	5.00			4438.00	
Hydraulic tool	5.00			4443.00	
Jars	5.00			4448.00	
Safety Joint	2.00			4450.00	
Packer	5.00			4455.00	28.00 Bottom Of Top Packer
Packer	5.00			4460.00	
Stubb	1.00			4461.00	
Recorder	0.00	8652	Inside	4461.00	
Recorder	0.00	8360	Outside	4461.00	
Perforations	13.00			4474.00	
Change Over Sub	1.00			4475.00	
Drill Pipe	63.00			4538.00	
Change Over Sub	1.00			4539.00	
Bullnose	3.00			4542.00	82.00 Bottom Packers & Anchor

**Total Tool Length: 110.00**



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Credo Petroleum Corporation

9-17a-29w Lane, KS

1801 Broadway, STE 800  
Denver, CO 80202

Marcelline #1-9

Job Ticket: 44479

DST#: 6

ATTN: Bruce Ard

Test Start: 2011.09.14 @ 23:09:00

**Mud and Cushion Information**

Mud Type: Gel Chem

Cushion Type:

CO<sub>2</sub> AIR

38 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 71.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.18 in<sup>3</sup>

Gas Cushion Type:

Gas Cushion Pressure:

psig

Resistivity: ohm.m

Salinity: 3800.00 ppm

Filter Cake: 1.00 inches

**Recovery Information**

**Recovery Table**

Length ft	Description	Volume bbl
310.00	geom 30g 10o 60m	3.237
430.00	ge 30g 70o	6.032
770.00	ge 60g 40o	10.801
0.00	2950 GP	0.000

Total Length: 1510.00ft Total Volume: 20.070 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

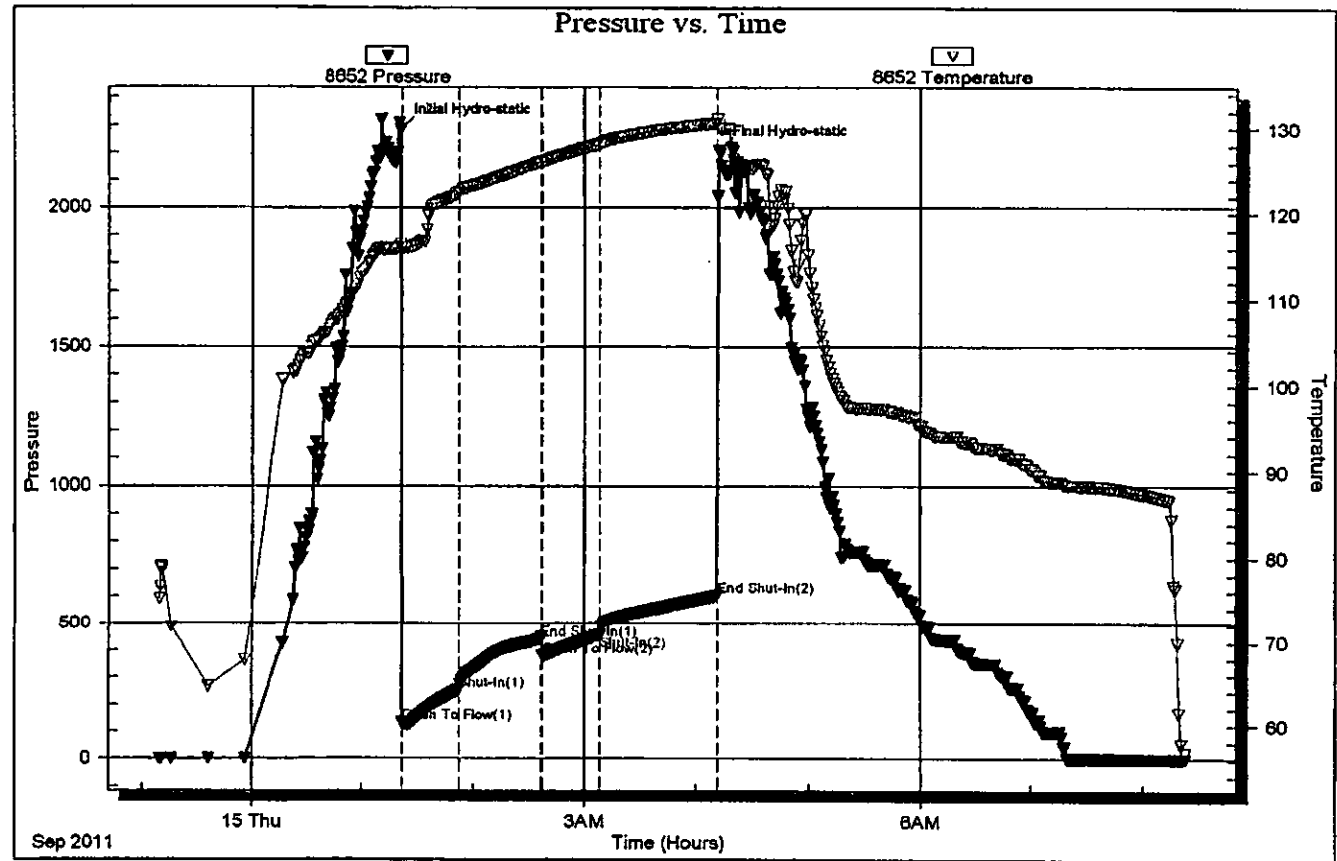
Recovery Comments: API is 37 @ 50 = 38

Serial #: 8652

Inside Cresto Petroleum Corporation

Marcelline #1-9

DST Test Number: 5



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

February 23, 2012

Jack Renfro  
Credo Petroleum Corporation  
1801 BROADWAY # 900  
DENVER, CO 80202-3858

Re: ACO1  
API 15-101-22310-00-00  
MARCELLINE 1-9  
NE/4 Sec.09-17S-29W  
Lane 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,  
Jack Renfro

Conservation Division  
Finney State Office Building  
130 S. Market, Rm. 207B  
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

February 24, 2012

Jack Renfro  
Credo Petroleum Corporation  
1801 BROADWAY # 900  
DENVER, CO 80202-3858

Re: ACO-1  
API 15-101-22310-00-00  
MARCELLINE 1-9  
NE/4 Sec.09-17S-29W  
Lane County, Kansas

Dear Jack Renfro:

K.A.R. 82-3-107 provides for all completion information to be filed within 120 days of the spud date. Subsection(e)(2) of that regulation states "All rights to confidentiality shall be lost if the filings are not timely."

The above referenced well was spudded on 09/05/2011 and the ACO-1 was received on February 23, 2012 (not within the 120 days timely requirement).

Therefore, your request for confidential treatment of data contained within the ACO-1 filing cannot be granted at this time.

If you should have any questions, please do not hesitate to contact me at (316)337-6200.

Sincerely,

Production Department