KANSAS CORPORATION COMMISSION ORIGINAL OIL & GAS CONSERVATION DIVISION

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Form ACO-1 June 2009 Porm Must Be Typed Form must be Signed All blanks must be Filled

WELL COMPLETION FORM ELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 8628	API No. 15 - 179-21269-00-00
Name: Credo Petroleum Corporation	Spot Description:
Address 1: 1801 Broadway #900	W2_SE_SW_SW_Sec36_Twp9 S. R26_ East West
Address 2:	330 Feet from North / South Line of Section
City: Denver State: CO Zip: 80202 + 3858	880 Feet from East / West Line of Section
Contact Person:Jack Renfro	Footages Calculated from Nearest Outside Section Corner:
Phone: (303) 297-2200	□ NE □ NW □ SE ☑ SW
CONTRACTOR: License #_ 33575 KCC	County: Sheridan
Name: WW Drilling, LLC FEB 2 1 2011	Lease Name: Inloes CPC Well #: 1-36
Wellsite Geologist: Jim Musgrove	Field Name: Unnamed
Wellsite Geologist: Jim Musgrove Purchaser: None CONFIDENTIAL	Producing Formation: None
Designate Type of Completion:	Elevation: Ground: 2587 Kelly Bushing: 2592
☐ New Well ☐ Re-Entry ☐ Workover	Total Depth: 4130 Plug Back Total Depth:
☐ Oil ☐ W\$W ☐ SWD ☐ SIOW	Amount of Surface Pipe Set and Cemented at: 247 Feet
☐ Gas 🗸 D&A ☐ ENHR ☐ SIGW	Multiple Stage Cementing Collar Used? Yes V No
☐ OG ☐ GSW ☐ Temp. Abd.	If yes, show depth set: Feet
CM (Coal Bed Methane)	If Alternate II completion, cement circulated from:
Cathodic Other (Core, Expl., etc.):	feet depth to: sx cmt.
If Workover/Re-entry: Old Well Info as follows:	
Operator:	Drilling Fluid Management Plan
Well Name:	(Data must be collected from the Reserve Pit)
Original Comp. Date: Original Total Depth:	Chloride content: 22,000 ppm Fluid volume: 1100 bbls
☐ Deepening ☐ Re-perf. ☐ Conv. to ENHR ☐ Conv. to SWD ☐ Conv. to GSW	Dewatering method used: Air dry
Plug Back: Plug Back Total Depth	Location of fluid disposal if hauled offsite:
Commingled Permit #:	Operator Name:
Dual Completion Permit #:	Lease Name: License #:
SWD Permit #:	QuarterSecTwpS. R East West
ENHR Permit #:	County: Permit #:
GSW Permit #:	Territe #.
12/11/10 12/17/10 12/18/10 Spud Date or Date Reached TD Completion Date or	
Recompletion Date Recompletion Date	
INSTRUCTIONS: An original and two copies of this form shall be filed with Kansas 67202, within 120 days of the spud date, recompletion, workover or complete to of side two of this form will be held confidential for a period of 12 months if requirality in excess of 12 months). One copy of all wireline logs and geologist we BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 for	onversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information puested in writing and submitted with the form (see rule 82-3-107 for confidential report shall be attached with this form. ALL CEMENTING TICKETS MUST
AFFIDAVIT	regu- KCC Office Use ONLY RECEIVED
I am the affiant and I hereby certify that all requirements of the statutes, rules and a lations promulgated to regulate the oil and gas industry have been fully complied	with Letter of Confidentiality Received
and the statements herein are complete and correct to the best of my knowledge	
Signature	Geologist Report Received
Tille Japanes / Appares - 2/20/9	UIC Distribution
	ALT [] All III Approved by: 41/ Date: 2 All

KCC

Operator Name: Cre	<u>do Petroleum Co</u>	prporation	<u>n</u>	Leas	Name: _	Inloes CPC		Well #:1-	36	FEB-2
Sec. 36 Twp.9	s. r. <u>26</u>	☐ East	t ✓ West	Coun	ty: <u>Sher</u>	idan				CONFI
INSTRUCTIONS: Sho time tool open and clo- recovery, and flow rate line Logs surveyed. At	sed, flowing and shu is if gas to surface to	ıt-in press ıst, along	ures, whether s with final chart	shut-in pre	ssure rea	ched static leve	el, hydrostatic pre	ssures, bottom	hole temp	erval tested, erature, fluid
Driff Stem Tests Taken	th a stall	⊘ Y	′es ∏No		[∑]L	og Formati	ion (Top), Depth a	and Datum		Sample
(Attach Additional S	•				Nam	_		Top	C	Datum
Samples Sent to Geole	ogical Survey	□ v				se Anhy peka	drite	2264 3556		+334 -1004
Cores Taken Electric Log Run						peka epner		3807	_	-1215
Electric Log Submitted	Electronically	<u>□</u> 4	<u>=</u>			nsing		3834		-1242
(If no, Submit Copy))					_	O:	4073		-1481
List All E. Logs Run: Dual Compe:	nsated Por	rosit	y Log		Ва	ise kans	sas City	4075		-1401
Microresis	tivity Lo	g								
		5		RECORD		_				
Purpose of String	Size Hole	Si	ort all strings set- ze Casing	W	eight	Setting	Type of	# Sacks		and Percent
<u> </u>	Drilled		et (In O.D.)		k/FL	Depth	Cement	Used	1	dditives
Surface	12 1/4	8 5/8		24#		247	Common	170	3%cc 8	& 2% gel
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	<u></u>						<u> </u>			
	_,		ADDITIONAL	L CEMEN	TING / SQL	JEEZE RECOR	. מ			
Purpose:	Depth Top Bottom	Туре	e of Cement	# Sac	ks Used		Type and	Percent Additives	\$	
— Perforate — Protect Casing	10,000									
—— Plug Back TD —— Plug Off Zone				 			·			
				<u> </u>		<u> </u>				
Shots Per Foot	PERFORATI Specify	ON RECOI	RD - Bridge Plug Each Interval Per	gs Set/Type rforated	•		racture, Shot, Ceme Amount and Kind of I		rd	Depth
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TUBING RECORD:	Size:	Set At		Packer	At:	Liner Run:	Yes N	io		
Date of First, Resumed F	Production, SWD or EN	IHR.	Producing Met	thod:	ina []	Gas Lift	Other (Explain)		·	
Estimated Production	Oil	Bbls.	Gas	Mcf	Wat		Bbis.	Gas-Oil Ratio		Gravity
Per 24 Hours	J 04									
				NETHOD (OF COMPLI	ETION:		PRODUCTI	רא ויתביי	/Al :
DISPOSITIO	ON OF GAS:			METROUT Perf.	Dually	_	ommingled	PRODUCII		> -
Vented Sold (If vented, Sub-	_		Other (Specify) _		(Submit		ibmlt ACO-4)		-RE(FIVED
,,,,,,,,,,,			Curoi (Spotaty)							<u> 7 P</u>

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

FEB 2 5 2011

ALLIED CEMENTING CO., LLC. 035166

REMIT TO P.O. BOX 31 RUSSELL, KANS	SAS 67665	KCC FEB 2 1 2011	SERVIO	CE POINT: _ <i>OAKI</i>	1EY
12-11-10 SEC 36	TWP. RANGE 26 W	IAITUO PHAST		OB START	JOB FINISH Sign An
TWIDES		UINTER ZE-11N		COUNTY Sheridan	STATE
CONTRACTOR W+W		OWNER	5AM	2	
TYPE OF JOB SURFI	1 10				
HOLE SIZE 12/4 CASING SIZE 95/8	T.D. <u>248</u> DEPTH 248	CEMENT	SEREN		
TUBING SIZE	DEPTH 278	AMOUNT ORE #70 3K	S COM 3% CO	2809	<u>e/</u>
DRILL PIPE	DEPTH		3 -011 910 20	<u> </u>	<u> </u>
TOOL	DEPTH			1100	
PRES. MAX	MINIMUM	COMMON	170 sks (@ 15 73	26265
MEAS. LINE	SHOE JOINT	POZMIX		@	
CEMENT LEFT IN CSG.	15'	GEL	<u>3 5/5 (</u>	@ <i>Zo 2</i>	62 2
PERFS. DISPLACEMENT	14 3/4 BB/S	CHLORIDE		@ <u>59 20</u>	349 =
		ASC		@ @	
EQUI	PMENT			@	
	- TIAN			@ 	
PUMPTRUCK CEMENTEI # 4/23 - 28 / HELPER	R <u>TERRY</u> LALENE			@	
# 4/23 - 28 / HELPER BULK TRUCK	LANENC		(@	
# 404 DRIVER	JERRY			@	
BULK TRUCK				@	
# DRIVER		11ANDLING	171) 22-	@ 	112066
		— HANDLING	& NER SKI	mI S	727 6
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	ELLAR.			TOTAL	4/3627
CENTERS! 410 C	Ellippi		CEDVIC	12	
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		PUMP TRUCK	CHARGE		10187
		EXTRA FOOTA	AGE	@	
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CHARGE TO: LAZAO	PETROTEUM				3/0/4
STREET				TOTAL	1368
CITYSTAT	re 715				
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To Allied Cementing Co., LI		- 11 11 11 11 11 11 11 11 11 11 11 11 11		@ FEB	2 5 2011
You are hereby requested to	•			[©] KCC√	
and furnish cementer and hel contractor to do work as is li	•			· —100-1	WCHITA-
done to satisfaction and supe	-			TOTAL.	
contractor. I have read and u				-01110	
TERMS AND CONDITION		CALCOTAX (II	Any)		
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νουπου	Ω,				
PRINTED NAME Mark	. Digge	DISCOUNT		IF PAII	O IN 30 DAYS
SIGNATURE Man	Riedi				

GENERAL TERMS AND CONDITIONS

DEFINITIONS: In these terms and conditions, "ALLIED" shall mean Allied Cementing Co., LLC, and "CUSTOMER" shall refer to the party identified by that term on the front of this contract. As applicable, "Job" relates to the services described on the front side of this contract, "Merchandise" refers to the material described on the front of this contract and to any other materials, products, or supplies used, sold, or furnished under the requirements of this contract.

- —TERMS: Unless satisfactory credit has been established, CUSTOMER must tender full cash payment to ALLIED before the job is undertaken or merchandise is delivered. If satisfactory credit has been established, the terms of payment for the job and/or merchandise, including bulk cement, are net cash, payable in 30 days from the completion of the job and/or delivery of the merchandise. For all past due invoices, CUSTOMER agrees to pay interest on amounts invoiced at a rate of 18 percent per annum until paid. Notwithstanding the foregoing, in no event shall this Contract provide for interest exceeding the maximum rate of interest that CUSTOMER may agree to pay under applicable law. If any such interest should be provided for, it shall be and hereby is deemed to be a mistake, and this contract shall be automatically reformed to lower the rate of interest to the maximum legal contract rate, any amounts previously paid as excess interest shall be deducted from the amounts owing from the CUSTOMER or at the option of ALLIED, refunded directly to CUSTOMER. For purposes of this paragraph, ALLIED and CUSTOMER agree that Kansas law shall apply. Any discounts granted with this contract are null and void if the charges are not paid when due.
- —ATTORNEY FEES: In any legal action or proceeding between the parties to enforce any of the terms of this Service Contract, or in any way pertaining to the terms of this Contract, the prevailing party shall be entitled to recover all expenses, including, but not limited to, a reasonable sum as and for attorney's fees.
- —PRICES AND TAXES: All merchandise listed in ALLIED'S current price schedule are F.O.B. ALLIED'S local station and are subject to change without notice. All prices are exclusive of any federal, state, local, or special taxes for the sale or use of the merchandise or services listed. The amount of taxes required to be paid by ALLIED shall be added to the quoted prices charged to CUSTOMER.
- —TOWING CHARGES: ALLIED will make a reasonable attempt to get to and from each job site using its own equipment. Should ALLIED be unable to do so because of poor or inadequate road conditions, and should it become necessary to employ a tractor or other pulling equipment to get to or from the job site, the tractor or pulling equipment will be supplied by CUSTOMER or, if furnished by ALLIED, will be charged to and paid by CUSTOMER.
- —PREPARATION CHARGES: If a job and/or merchandise is ordered and CUSTOMER cancels the order after preparation of a chemical solution or other material, CUSTOMER will pay ALLIED for the expenses incurred by ALLIED as a result of the cancellation.
- —DEADHAUL, CHARGES: Unless otherwise specified on the front of this Contract, a deadhaul charge as set forth in ALLIED'S current price book will be charged each way for each service unit which is ordered by CUSTOMER but not used.
 - -SERVICE CONDITIONS AND LIABILITIES:
- 1. ALLIED carries public liability and property damage insurance, but since there are so many uncertain and unknown conditions beyond ALLIED'S control, ALLIED shall not be liable for injuries to property or persons or for loss or damage arising from the performance of the job or delivery of the merchandise. CUSTOMER shall be responsible for and indemnify, defend, and hold harmless ALLIED, its officers, agents and employees, from and against any and all claims or suits for:
- (A) Damage to property or for bodily injury, sickness, disease, or death, brought by any person, including CUSTOMER and/or the well owner; and:
- (B) Oil spills, pollution, surface or sub-surface damage, injury to the well, reservoir loss, or damage arising from a well blowout arising out of or in connection with ALLIED'S performance of the job or furnishing of merchandise in accordance with this contract, unless such loss or damage is caused by the willful misconduct or gross negligence of ALLIED or its employees.
- 2. With respect to any of ALLIED'S tools, equipment, or instruments which are lost in the well or damaged when performing or attempting to perform the job or, in the case of marine operations, are lost or damaged at any time after delivery to the landing for CUSTOMER and before return to ALLIED at the landing, CUSTOMER shall either recover the lost item without cost to ALLIED or reimburse ALLIED the current replacement cost of the item unless the loss or damage results from the sole negligence of ALLIED or its employees.
- 3. ALLIED does not assume any liability or responsibility for damages or conditions resulting from chemical action in cements caused by contamination of water or other fluids.

 WARRANTIES:
- 1. ALLIED warrants all merchandise manufactured or furnished by it to be free from defects in material and workmanship under normal use and service when installed, and used, and/or serviced in the manner provided and intended. ALLIED'S obligation under this warranty is expressly limited to repair, replacement, or allowance for credit, at its option, for any merchandise which is determined by ALLIED to be defective. THIS IS THE SOLE WARRANTY OF ALLIED AND NO OTHER WARRANTY IS APPLICABLE, EITHER EXPRESS OR OTHERWISE IMPLIED, IN FACT OR IN LAW, INCLUDING ANY WARRANTY AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE, CUSTOMER'S sole and only remedy with regard to any defective merchandise shall be the repair or replacement thereof or allowance for credit as herein provided, and ALLIED shall not be liable for any consequential, special, incidental, or punitive damages resulting from or caused by defective materials, products or supplies.
 - 2. More specifically:
- (A) Nothing in this contract shall be construed as a warranty by ALLIED of the success or the effectiveness of the result of any work done or merchandise used, sold, or furnished under this contract.
- (B) Nothing in this contract shall be construed as a warranty of the accuracy or correctness of any facts, information, or data furnished by ALLIED or any interpretation of tests, meter readings, chart information, analysis of research, or recommendations made by ALLIED, unless the inaccuracy or incorrectness is caused by the wilful misconduct or gross negligence of ALLIED or its employees in the preparation or furnishing of such facts, information or data.
- (C) Work done by ALLIED shall be under the direct supervision and control of the CUSTOMER or his agent and ALLIED will accomplish the job as an independent contractor and not as an employee or agent of the CUSTOMER.

ALLIED CEMENTING CO., LLC. 040793

DEMIT TO	P.O. BOX 31			KCC	CE	RVICE POINT	•
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PUMP TRU	CK CEMENTE	R Eぃ	2 - 7 .			— [@] ——	
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BULK TRU	CK						
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JAMES C. MUSGROVE

Petroleum Geologist P.O. Box 215 212 Main St. Claflin, KS 67525

Office (620) 588-4250

Res. Claflin (620) 587-3444

Credo Petroleum Corp.
Inoles CPC #1-36
W/2-SE-SW-SW (3300' FSL & 880' FWL)
Section 36-9s-26w
Sheridan County, Kansas
Page No. 1

Dry and Abandoned

KCC FEB 2 1 2011 CONFIDENTIAL

Contractor:

WW Drilling Company (Rig #6)

Commenced:

December 11, 2010

Completed:

December 17, 2010

Elevation:

2592' K.B.; 2590' D.F.; 2587' G.L.

Casing Program:

Surface; 8 5/8" @247'

Production; none.

Samples:

Samples saved and examined 3500' to the Rotary Total Depth.

Drilling Time:

One (1) foot drilling time recorded and kept 3500' to the Rotary

Total Depth.

Measurements:

All depths measured from the Kelly Bushing.

Drill Stem Tests:

There was four (4) Drill Stem Tests ran by Trilobite Testing

Company.

Electric Log:

By Log Tech; Dual Induction, Dual Compensated Porosity Log,

Microresistivity and Borehole Sonic.

<u>Formation</u>	Log Depth	Sub-Sea Datu	<u>ım</u>
Anhydrite	2230	+368	
Base Anhydrite	2264	+334	
Topeka	3556	-1004	
Heebner	3807	-1215	
Toronto	3824	-1232	
Lansing	3834	-1242	
Muncie Creek	3961	-1369	RECEIVED
Base Kansas City	4073	-1481	
Rotary Total Depth	4130	-1536	FEB 2 5 2011
Log Total Depth	4128	-1534	
(All tops and zones corre	ected to Electric Log	measurements).	KCC WICHITA

SAMPLE ANALYSIS, SHOWS OF OIL, TESTING DATA, ETC.

TOPEKA SECTION

3760-3770' Limestone; cream, chalky, slightly fossiliferous, poor porosity, no

shows.

3774-3782' Limestone; cream, chalky, fossiliferous, very poor visible

porosity, no shows.

Credo Petroleum Corp. Inoles CPC #1-36 W/2-SE-SW-SW (3300' FSL & 880' FWL) Section 36-9s-26w Sheridan County, Kansas Page No. 2

3783-3800'

.1

Limestone; cream, slightly fossiliferous, poor visible porosity, questionable stain, no show of free oil and no odor in fresh samples.

TORONTO SECTION

3825-3830'

Limestone; white and gray, chalky, fossiliferous, scattered pinpoint porosity, few scattered vuggy type porosity, few scattered vuggy type porosity, poor stain, trace of free oil and faint odor samples broken.

LANSING SECTION

3834-3846'

Limestone; white, slightly oomoldic, fair oomoldic porosity, trace

stain, trace of free oil and faint odor, bright pale yellow

fluorescence.

3848-3857'

Limestone; as above, becoming more chalky.

Drill Stem Test #1

<u>3818-3857'</u>

Times:

30-45-30-60

Recovery:

Weak

Recovery:

155' muddy water

Pressures: ISIP

805 psi **FSIP 792** psi IFP 17-61 psi FFP 66-82 psi HSH 1938-1881 psi

3870-3876'

Limestone; cream, chalky, oomoldic, poor stain, trace of free oil, odor samples broken, trace amber chert, and white, chalky limestone, black stain (dead).

3880-3888'

Limestone; white, finely crystalline, chalky, finely comoldic and fossil fragments, fair scattered porosity, brown stain, trace of free oil and odor samples broken.

3890-3900'

Limestone; white, gray, chalky, finely crystalline, poor porosity, no shows.

3900-3904'

Limestone; as above, black tarry sticky oil, no odor.

3912-3920'

3920-3930'

Limestone; white, gray, slightly chalky, few with secondary recrystallization, brown scattered stain, trace of free oil and questionable odor, poor visible porosity.

Limestone; white, highly dolomite, plus white, medium to coarse crystalline, dolomite, few fossiliferous, scattered stain, trace of

free oil and good odor, bright yellow fluorescence.

KCC WICHITA

Credo Petroleum Corp. Inoles CPC #1-36 W/2-SE-SW-SW (3300' FSL & 880' FWL) Section 36-9s-26w Sheridan County, Kansas Page No. 3

Drill Stem Test #2

3859-3930'

Times:

30-45-45-60

Recovery:

Strong

Recovery:

124' gas in pipe

62' gassy mud cut oil

(10% gas, 5% mud, 85% oil) 62' heavy oil and gas cut mud (10% gas, 30% oil, 60% mud)

187 slight oil and gas cut muddy water (5% gas, 5% oil, 20% water, 70% mud)

Pressures: ISIP 792

psi

FSIP 789

psi

IFP 29-107

psi

FFP 114-143

psi HSH 1968-1928 psi

3940-3955'

Limestone; gray, white, finely crystalline, few cherty, plus white

chalk.

3978-3984

Limestone; white, chalky, fossiliferous, oomoldic, fair isolated

vugs with black tarry dead oil, show of free oil (tarry - dead).

4000-4008'

Limestone; gray and brown, chalky, very poor pinpoint type

porosity, poor stain, trace of free oil and odor samples broken.

4020-4030'

Limestone; clear, gray, dense, chalky, finely crystalline,

fossiliferous, poor fossil cast and pinpoint type porosity, black and brown stain, dark brown to black free oil and odor samples

broken.

4060-4070'

Limestone; white, cream, finely crystalline, dense, poor porosity,

few isolated pinpoint porosity, brown stain, trace of free oil and

odor samples broken.

Drill Stem Test #2

3954-4082'

Times:

30-45-30-60

Blow:

Weak to fair

Recovery:

84' gas in pipe

20' clean oil

125' heavy oil and gas cut mud (5% gas, 35% oil, 60% mud)

Pressures: ISIP 848

psi

FSIP 644

psi

IFP 28-59

psi

psi

FFP 57-76

HSH 2082-2025

psi

RECEIVED

KCC WICHITA

Credo Petroleum Corp. Inoles CPC #1-36 W/2-SE-SW-SW (3300' FSL & 880' FWL) Section 36-9s-26w Sheridan County, Kansas Page No. 4

Base Kansas City

4073 (-1481)

Rotary Total Depth

4130 (-1538)

Log Total Depth

4128 (-1536)

Remarks:

After log analysis, is was decided to Straddle Test the 'F' zone.

Drill Stem Test #4

3914-3925' (F Zone)

Times:

30-45-30-60

Blow:

Weak to fair

Recovery:

109' gas in pipe

25' clean oil

62' very slightly thin watery mud (5% gas, 5% oil, 10% water, 80% mud)

124' muddy water

Pressures: ISIP

819

psi

FSIP 815

psi

IFP 23-93 psi

FFP 98-131

psi

HSH 2088-2061

psi

Recommendations

The Inoles CPC #1-36 was plugged and abandoned at the Rotary Total Depth 4130 (-1536).

Respectfully submitted;

Petroleum Geologist

RECEIVED FEB 2 5 2011 KCC WICHITA



Prepared For: Credo Petro Corps.

1801 Broadway #900 Denver CO 80202

ATTN: Bruce Ard

36 9 25w Sheridan KS

Inloes CPC 1-36

Start Date: 2010.12.15 @ 09:10:00 End Date: 2010.12.15 @ 15:14:30

Job Ticket #: 040121

DST#: 1

KCC FEB 2 1 2011 CONFIDENTIAL

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

RECEIVED
FEB 2 5 2011
KCC WICHITA



Credo Petro Corps.

Inloes CPC 1-36

1801 Broadway #900 Denver CO 80202

ATTN: Bruce Ard

36 9 25w Sheridan KS

Job Ticket: 040121

DST#:1

Test Start: 2010.12.15 @ 09:10:00

GENERAL INFORMATION:

Time Tool Opened: 10:55:30

Time Test Ended: 15:14:30

Formation:

Toronto-LKC-A

Deviated:

Interval:

No

Whipstock:

ft (KB)

Test Type: Conventional Bottom Hole

Tester:

Chuck Kreutzer Jr.

Unit No: 36

Reference Elevations:

2592.00 ft (KB)

2587.00 ft (CF)

Total Depth: Hole Diameter:

7.88 inches Hole Condition: Fair

3818.00 ft (KB) To 3857.00 ft (KB) (TVD)

KB to GR/CF:

5.00 ft

Serial #: 6752 Press@RunDepth: Inside

82.27 psig @

3820.00 ft (KB) End Date:

2010.12.15

Capacity:

8000.00 psig

Start Date: Start Time: 2010.12.15 09:10:05

3857.00 ft (KB) (TVD)

End Time:

15:14:29

Last Calib.: Time On Btm: 2010.12.15

Time Off Btm:

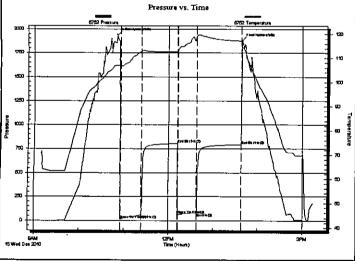
2010.12.15 @ 10:51:30 2010.12.15 @ 13:39:00

TEST COMMENT: IF: Weak blow, Built to 3 1/4 in. over 30 mins.

ISI: No blow back over 45 mins.

FF: Weak blow, Built to 3/4 in. over 30 mins.

FSI: No blow back over 60 mins.



120		Time	Pressure	Temp	Annotation				
س		(Min.)	(psig)	(deg F)	ļ				
110		0	1938.22	106.98	Initial Hydro-static				
		4	17.34	106.68	Open To Flow (1)				
CO		32	60.99	112.69	Shut-In(1)				
D		81	805.10	112.55	End Shut-In(1)				
	Tem	81	65.80	112.50	Open To Flow (2)				
	Temperature	107	82.27	119.06	Shut-In(2)				
0	ıre	166	792.22	117.25	End Shut-In(2)				
u		168	1880.93	114.62	Final Hydro-static				
ø	ı				<u>'</u>				
			:						
0									
0									
_									

PRESSURE SUMMARY

Recovery					
Description	Volume (bbl)				
mcw-30%m70%w	0.61				
mcw-40%m60%w-w ith oil specs	0.42				
	Description mcw-30%m70%w				

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

Trilobite Testing, Inc.

Ref. No: 040121

Printed: 2010.12.30 @ 20:53:41 Page 2



TOOL DIAGRAM

Credo Petro Corps.

Inloes CPC 1-36

1801 Broadw ay #900

ATTN: Bruce Ard

36 9 25w Sheridan KS

Denver CO 80202

Job Ticket: 040121

DST#: 1

Test Start: 2010.12.15 @ 09:10:00

Tool Information

Drill Pipe: Heavy Wt. Pipe: Length:

Length: 3670.00 ft Diameter:

0.00 ft Diameter:

3.80 inches Volume: 0.00 inches Volume:

51.48 bbl 0.00 bbl Tool Weight:

2800.00 lb

Length:

125.00 ft Diameter:

2.25 inches Volume: 0.61 bbl Weight set on Packer: 25000.00 lb Weight to Pull Loose: 52000.00 lb

Drill Collar:

Total Volume:

52.09 bbl

Drill Pipe Above KB:

5.00 ft

Tool Chased 2.00 ft 48000.00 b

Depth to Top Packer: Depth to Bottom Packer: 3818.00 ft ft String Weight: Initial

Final 48000.00 Љ

Interval between Packers: Tool Length:

39.00 ft 67.00 ft

Number of Packers: Tool Comments:

2 Diameter: 6.75 inches

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut in Tool	5.00			3795.00		
Hydraulic tool	5.00		•	3800.00		
Jars	5.00			3805.00		
Safety Joint	3.00			3808.00		
Packer	5.00			3813.00	28.00	Bottom Of Top Packer
Packer	5.00			3818.00		
Stubb	1.00			3819.00		
Perforations	1.00			3820.00		
Recorder	0.00	6752	Inside	3820.00		
Recorder	0.00	6741	Inside	3820.00		
Perforations	34.00			3854.00		
Builnose	3.00			3857.00	39.00	Bottom Packers & Anchor
T-4-1 T-41	L = ==4h+ C7 00				-	

Total Tool Length:

67.00



FLUID SUMMARY

Credo Petro Corps.

Inloes CPC 1-36

1801 Broadway #900 Denver CO 80202

36 9 25w Sheridan KS

Job Ticket: 040121

DST#:1

ATTN: Bruce Ard

Test Start: 2010.12.15 @ 09:10:00

Mud and Cushion Information

Mud Type: Gel Chem

9.00 lb/gal

Mud Weight: Viscosity: Water Loss:

48.00 sec/qt 7.38 in³

Resistivity: Salinity: Filter Cake:

0.30 ohm.m 1000.00 ppm

2.00 inches

Cushion Type:

Cushion Length:

ft bbl Oil API: Water Salinity:

deg API 44000 ppm

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

psig

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
125.00	mcw -30%m70%w	0.615
30.00	mcw -40%m60%w -w ith oil specs	0.421

Total Length:

155.00 ft

Total Volume:

1.036 bbl

Num Fluid Samples: 0

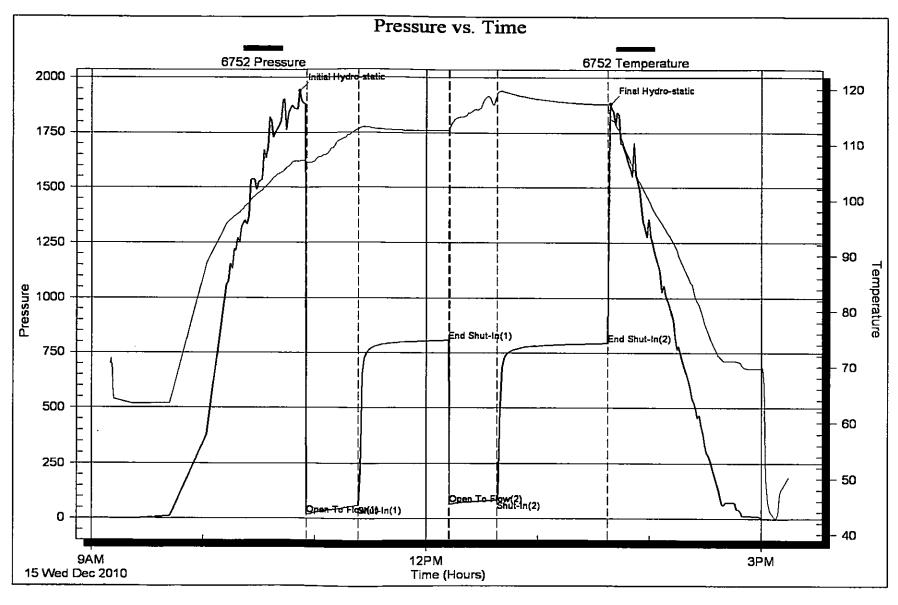
Num Gas Bombs:

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





Prepared For: Credo Petro Corps.

1801 Broadway #900 Denver CO 80202

ATTN: Bruce Ard

36 9 25w Sheridan KS

Inloes CPC 1-36

Start Date: 2010.12.16 @ 02:55:00 End Date: 2010.12.16 @ 08:39:00 Job Ticket #: 040122 DST #: 2

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



Credo Petro Corps.

Inloes CPC 1-36

1801 Broadway #900 Denver CO 80202

ATTN: Bruce Ard

36 9 25w Sheridan KS

Job Ticket: 040122

DST#: 2

Test Start: 2010.12.16 @ 02:55:00

GENERAL INFORMATION:

Time Tool Opened: 04:20:00

Time Test Ended: 08:39:00

Formation:

LKC-C,F

Deviated:

Interval:

No Whipstock: ft (KB)

Test Type: Conventional Bottom Hole

Tester:

Chuck Kreutzer Jr.

Unit No:

Reference Bevations:

2592.00 ft (KB)

2587.00 ft (CF)

Total Depth: Hole Diameter: 3930.00 ft (KB) (TVD)

7.88 inches Hole Condition: Fair

3859.00 ft (KB) To 3930.00 ft (KB) (TVD)

KB to GR/CF:

5.00 ft

Serial #: 6741 Press@RunDepth: Inside

142.73 psig @

3861.60 ft (KB)

Capacity:

8000.00 psig

Start Date: Start Time:

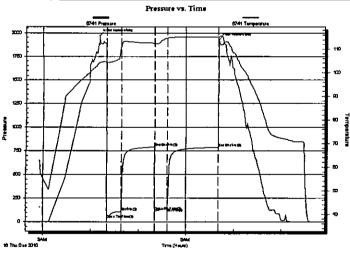
2010.12.16 02:55:01 End Date: End Time: 2010.12.16 08:39:00

Last Calib.: Time On Btm: 2010.12.16

Time Off Btm:

2010.12.16 @ 04:11:00 2010.12.16 @ 06:41:30

TEST COMMENT: IF: Strong blow, Built to B.O.B in 8 mins. ISt. No blow back over 45 mins. FF: Strong blow, Built to B.O.B in 11 mins. FSt No blow back after 60 mins.



	PRESSURE SUMMARY							
	Time	Pressure	Temp	Annotation				
110	(Min.)	(psig)	(deg F)	ļ ,				
	0	1968.34	104.19	Initial Hydro-static				
100	9	28.97	103.90	Open To Flow (1)				
	27	107.21	110.94	Shut-in(1)				
2 1)	69	792.48	112.57	End Shut-In(1)				
80 a	70	113.64	112.31	Open To Flow (2)				
Temperatura R	86	142.73	114.59	Shut-In(2)				
70 g	150	789.47	115.21	End Shut-In(2)				
3 0	151	1928.37	115.00	Final Hydro-static				
D								
0								

Recovery

Description	Volume (bbl)
gow cm-5%g5%o20%w 70%m	1.48
ghocm-10%g30%o60%m	0.87
gmco-10%g5%m85%o	0.87
124-Ft. gas in pipe	0.00
	gow cm-5%g5%o20%w 70%m ghocm-10%g30%o60%m gmco-10%g5%m85%o

Gas Ra	ates
--------	------

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

Trilobite Testing, Inc.

Ref. No: 040122

Printed: 2010.12.30 @ 20:54:22 Page 2



Length:

DRILL STEM TEST REPORT

TOOL DIAGRAM

Credo Petro Corps.

Inloes CPC 1-36

1801 Broadw ay #900 Denver CO 80202

36 9 25w Sheridan KS

Job Ticket: 040122

DST#:2

ATTN: Bruce Ard

Test Start: 2010.12.16 @ 02:55:00

Tool Information

Drill Collar:

Drill Pipe: Heavy Wt. Pipe: Length:

Length: 3729.00 ft Diameter: 0.00 ft Diameter:

125.00 ft Diameter:

3.80 inches Volume: 0.00 inches Volume: 2.25 inches Volume:

52.31 bbl 0.00 bbl 0.61 bbl

Tool Weight: Weight set on Packer: 28000.00 lb

2800.00 lb

Weight to Pull Loose: 55000.00 lb Tool Chased

2.00 ft

Drill Pipe Above KB: Depth to Top Packer:

23.00 ft 3859.00 ft Total Volume: 52.92 bbl

String Weight: Initial 44000.00 lb

Final 46000.00 lb

Depth to Bottom Packer: Interval between Packers:

ft 71.47 ft 99.47 ft

Tool Length:

Number of Packers:

2

Diameter: 6.75 inches

T 1	Comments:	
IOOI	1 Ummonts.	
1001	COMMINICATION.	

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut In Tool	5.00			3836.00		
Hydraulic tool	5.00			3841.00		
Jars	5.00			3846.00		
Safety Joint	3.00			3849.00		
Packer	5.00			3854.00	28.00	Bottom Of Top Packer
Packer	5.00			3859.00		
Stubb	1.00			3860.00		
Perforations	1.00			3861.00		
Change Over Sub	0.60			3861.60		
Recorder	0.00	6752	Inside	3861.60		
Recorder	0.00	6741	Inside	3861.60		
Blank Spacing	31.27			3892.87		
Change Over Sub	0.60		•	3893.47		
Perforations	34.00			3927.47		
Bullnose	3.00			3930.47	71.47	Bottom Packers & Anchor

Total Tool Length:

99.47

Trilobite Testing, Inc.

Ref. No: 040122

Printed: 2010.12.30 @ 20:54:22 Page 3



FLUID SUMMARY

Credo Petro Corps.

Inioes CPC 1-36

1801 Broadway #900 Denver CO 80202

ATTN: Bruce Ard

36 9 25w Sheridan KS

Job Ticket: 040122

DST#: 2

Test Start: 2010.12.16 @ 02:55:00

Oil API:

Water Salinity:

Mud and Cushion Information

Mud Type: Gel Chem

9.00 lb/gal

Cushion Type: Cushion Length:

ft

deg API

Mud Weight: Viscosity:

48.00 sec/qt

Cushion Volume:

bbl

ppm

Water Loss: Resistivity:

7.38 in³

Gas Cushion Type: Gas Cushion Pressure:

psig

Salinity: Filter Cake:

ohmm 1000.00 ppm

2.00 inches

Recovery Information

Recovery Table

Length ft Description Volume bbl 187.00 gow cm-5%g5%o20%w 70%m 1.484 62.00 ghocm-10%g30%o60%m 0.870 62.00 gmco-10%g5%m85%o 0.870 0.00 124-Ft. gas in pipe 0.000

Total Length:

311.00 ft

Total Volume:

3.224 bbl

Num Fluid Samples: 0

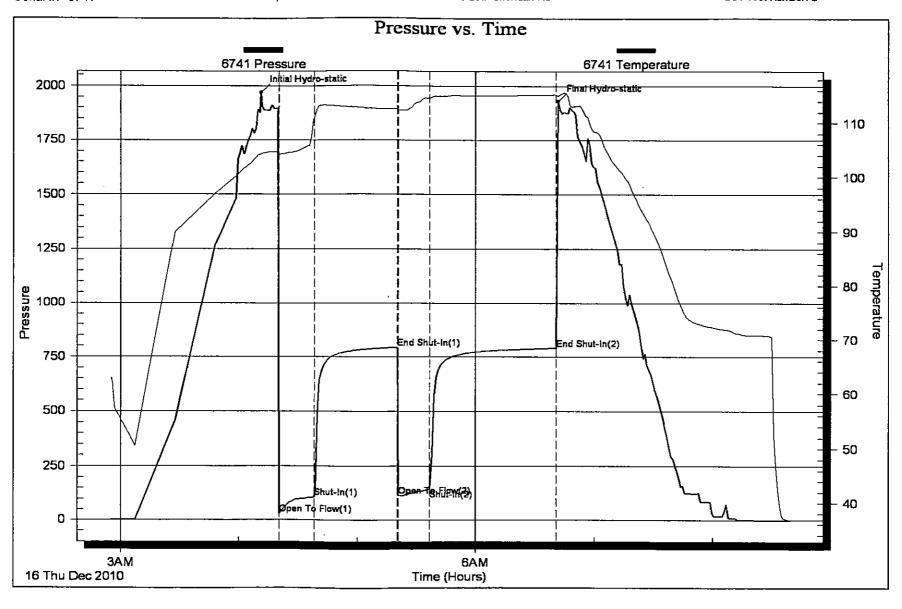
Num Gas Bombs:

Serial#:

Laboratory Name:

Laboratory Location:

Recovery Comments:





Prepared For: Credo Petro Corps.

1801 Broadway #900 Denver CO 80202

ATTN: Bruce Ard

36 9 25w Sheridan KS

Inloes CPC 1-36

Start Date: 2010.12.17 @ 02:20:00 End Date: 2010.12.17 @ 09:02:00 Job Ticket #: 040123 DST #: 3

Trilobite Testing, Inc PO Box 1733 Hays, KS 67601 ph: 785-625-4778 fax: 785-625-5620



Credo Petro Corps.

ATTN: Bruce Ard

Inloes CPC 1-36

1801 Broadw av #900 Denver CO 80202

36 9 25w Sheridan KS

Job Ticket: 040123

DST#:3

Test Start: 2010.12.17 @ 02:20:00

GENERAL INFORMATION:

Time Tool Opened: 03:53:30

Time Test Ended: 09:02:00

Formation:

LKC-H.L

Deviated:

Whipstock: No

ft (KB)

Test Type: Conventional Bottom Hole

Tester:

Chuck Kreutzer Jr.

Unit No:

3954.00 ft (KB) To 4082.00 ft (KB) (TVD)

Interval: Total Depth: Hole Diameter:

4082.00 ft (KB) (TVD)

Reference Elevations:

2592.00 ft (KB)

7.88 inches Hole Condition: Fair

KB to GR/CF:

2587.00 ft (CF) 5.00 ft

Serial #: 6741 Press@RunDepth: Inside

76.16 psig @

3956.60 ft (KB)

Capacity:

8000.00 psig

Start Date: Start Time:

2010.12.17 02:20:01

End Date: End Time: 2010.12.17 09:02:00

Last Calib .:

2010.12.17

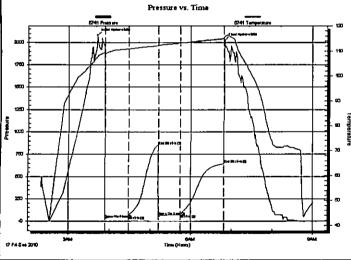
Time On 8tm: Time Off Btm: 2010.12.17 @ 03:42:00 2010.12.17 @ 06:50:00

TEST COMMENT: IF: Weak blow, Built to 4 in. over 30 mins.

ISI: No blow back over 45 mins.

FF: Weak blow, Built to 6 in. over 30 mins.

FSt: No blow back over 60 mins.



PRESSURE	SUMMARY
INCOUNT	OCIAIIAIVI

	PRESSURE SUMMARY					
•	Time	Pressure	Temp	Annotation		
	(Min.)	(psig)	(deg F)			
D	0	2081.87	107.75	Initial Hydro-static		
	12	28.41	108.94	Open To Flow (1)		
	46	59.06	110.90	Shut-In(1)		
	90	848.19	112.17	End Shut-In(1)		
g	91	57.45	112.25	Open To Flow (2)		
Temperatura	122	76.16	113.18	Shut-In(2)		
ā	187	643.58	114.92	End Shut-In(2)		
	188	2025.07	115.71	Final Hydro-static		

Recovery

Description	Volume (bbl)
gocm-5%g35%o60%	0.61
go-10%g90%o	0.28
84 ft.gas in pipe	0.00
	gocm-5%g35%o60% go-10%g90%o

Gas Rates

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

Trilobite Testing, Inc

Ref. No: 040123

Printed: 2010.12.30 @ 20:55:07



TOOL DIAGRAM

Credo Petro Corps.

Inloes CPC 1-36

1801 Broadw ay #900 Denver CO 80202

36 9 25w Sheridan KS

Job Ticket: 040123

DST#: 3

ATTN: Bruce Ard

Test Start: 2010.12.17 @ 02:20:00

Tool Information

Drill Pipe:

Length: 3831.00 ft Diameter: 0.00 ft Diameter:

3.80 inches Volume: 0.00 inches Volume:

53.74 bbl 0.00 bbl

Tool Weight:

2800.00 lb

Heavy Wt. Pipe: Length: Drill Collar:

Length:

125.00 ft Diameter:

2.25 inches Volume:

0.61 bbl

Weight set on Packer: 28000.00 lb Weight to Pull Loose: 50000.00 lb

2.00 ft

Drill Pipe Above KB:

30.00 ft Depth to Top Packer: 3954.00 ft Total Volume: 54.35 bbl

Tool Chased

String Weight: Initial 45000.00 lb

Depth to Bottom Packer: Interval between Packers: 127.62 ft

Number of Packers:

ft

45000.00 lb Final

Tool Length:

155.62 ft

2

Diameter:

6.75 inches

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut in Tool	5.00			3931.00		
Hydraulic tool	5.00			3936.00		
Jars	5.00			3941.00		
Safety Joint	3.00			3944.00		
Packer	5.00			3949.00	28.00	Bottom Of Top Packer
Packer	5.00			3954.00		
Stubb	1.00			3955.00		
Perforations	1.00			3956.00		•
Change Over Sub	0.60			3956.60		
Recorder	0.00	6752	Inside	3956.60		
Recorder	0.00	6741	Inside	3956.60		
Blank Spacing	92.42			4049.02		
Change Over Sub	0.60			4049.62		
Perforations	29.00			4078.62		•
Bullnose	3.00			4081.62	127.62	Bottom Packers & Anchor

Total Tool Length:

155.62



FLUID SUMMARY

deg API

ppm

Credo Petro Corps.

Inloes CPC 1-36

1801 Broadway #900 Denver CO 80202

ATTN: Bruce Ard

36 9 25w Sheridan KS

Job Ticket: 040123

DST#: 3

Test Start: 2010.12.17 @ 02:20:00

Oil API:

Water Salinity:

Mud and Cushion Information

Mud Type: Gel Chem

10.00 lb/gal

Mud Weight: Viscosity:

Water Loss:

Resistivity:

Salinity: Filter Cake: 57.00 sec/qt

7.18 in³ ohm.m

2200.00 ppm 2.00 inches Cushion Type:

Cushion Length: Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

psig

ft

bbl

Recovery Information

Recovery Table

Length ft	Description	Volume bbi
125.00	gocm-5%g35%o60%	0.615
20.00	go-10%g90%o	0.281
0.00	84 ft.gas in pipe	0.000

Total Length:

145.00 ft

Ref. No: 040123

Total Volume:

0.896 bbl

Num Fluid Samples: 0 Laboratory Name:

Num Gas Bombs:

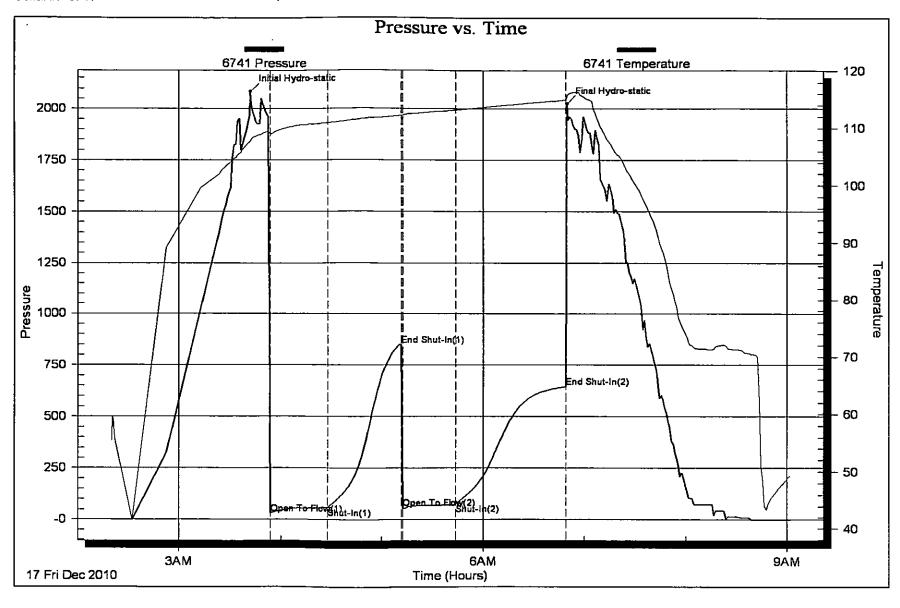
Laboratory Location:

Serial #:

Recovery Comments:

Trilobite Testing, Inc.

Printed: 2010.12.30 @ 20:55:08 Page 4





Credo Petro Corps. Prepared For:

> 1801 Broadway #900 Denver CO 80202

ATTN: Bruce Ard

36 9 25w Sheridan KS

inloes CPC 1-36

Start Date: 2010.12.18 @ 02:10:00 End Date: 2010.12.18 @ 09:26:00 Job Ticket #: 040124

DST#: 4

Trilobite Testing, Inc. PO Box 1733 Hays, KS 67601

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



Credo Petro Corps.

Inloes CPC 1-36

1801 Broadw ay #900 Denver CO 80202

Job Ticket: 040124

36 9 25w Sheridan KS

DST#: 4

ATTN: Bruce Ard

Test Start: 2010.12.18 @ 02:10:00

GENERAL INFORMATION:

Formation:

LKC-F

Deviated:

No

Whipstock:

ft (KB)

Test Type: Conventional Straddle

Tester:

Chuck Kreutzer Jr.

Unit No:

Reference Elevations:

2592.00 ft (KB) 2587.00 ft (CF)

KB to GR/CF:

5.00 ft

Interval: Total Depth:

3914.00 ft (KB) To 3925.00 ft (KB) (TVD)

4130.00 ft (KB) (TVD)

Hole Diameter:

Time Tool Opened: 04:28:30

Time Test Ended: 09:26:00

7.88 inches Hole Condition: Fair

Serial #: 6741

Outside

131.21 psig @

3915.00 ft (KB)

2010.12.18

8000.00 psig Capacity:

Start Date: Start Time:

2010.12.18 02:10:01

End Date: End Time:

09:26:00

Last Calib.: Time On Btm: 2010.12.18

Time Off Btm:

2010.12.18 @ 04:12:00 2010.12.18 @ 07:19:30

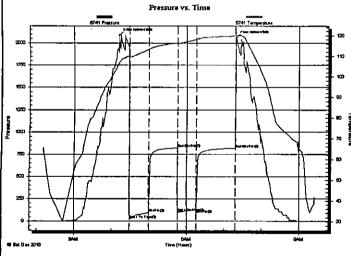
Press@RunDepth:

TEST COMMENT: 4F: Weak blow, Built to 7 in. over 30 mins.

ISt No blow back over 45 mins.

FF: Weak blow, Built to 4 in. over 30 mins.

FSt: No blow back over 60 mins.



۲	RESSUR	RE SUMMARY
CHICA	Tomo	Annotation

	Time	Pressure	Temp	Annotation		
	(Min.)	(psig)	(deg F)]		
	0	2088.27	107.07	Initial Hydro-static		
	17	23.44	109.47	Open To Flow (1)		
	47	92.95	113.36	Shut-In(1)		
	93	818.79	116.55	End Shut-In(1)		
3	94	98.41	116.26	Open To Flow (2)		
Temperature	123	131.21	118.13	Shut-In(2)		
1	187	815.07	119.90	End Shut-In(2)		
	188	2060.99	120.23	Final Hydro-static		
				•		
1						
				-		
- 1						

Recovery

Length (ft)	Description	Volume (bbl)
62.00	mcw-10M90%w	0.30
62.00	mcw-40%m60%w	0.30
62.00	vsgocw m-5%g5%o10%w 80%m	0.86
25.00	go-20%g80%o	0.35
0.00	109-Ft. gas in pipe	0.00

Gas Rates

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

Trilobite Testing, Inc.

Ref. No: 040124

Printed: 2010.12.30 @ 20:55:48 Page 2



Credo Petro Corps.

1801 Broadw ay #900 Denver CO 80202

Job Ticket: 040124

36 9 25w Sheridan KS

inioes CPC 1-36

DST#:4

ATTN: Bruce Ard

Test Start: 2010.12.18 @ 02:10:00

GENERAL INFORMATION:

Formation:

LKC-F

Deviated:

Interval:

Hole Diameter:

No

Whipstock: Time Tool Opened: 04:28:30

ft (KB)

Test Type: Conventional Straddle

Teşter:

Chuck Kreutzer Jr.

Unit No:

36

3914.00 ft (KB) To 3925.00 ft (KB) (TVD)

Total Depth:

Time Test Ended: 09:26:00

4130.00 ft (KB) (TVD)

7.88 inches Hole Condition: Fair

Reference Elevations:

2592.00 ft (KB)

KB to GR/CF:

2587.00 ft (CF) 5.00 ft

Serial #: 8651 Press@RunDepth: Below (Straddle)

psig @

3926.00 ft (KB)

Capacity:

8000.00 psig

Start Date:

2010.12.18

End Date:

2010.12.18

Last Calib.: Time On Btm: 2010.12.18

Start Time:

02:10:05

End Time:

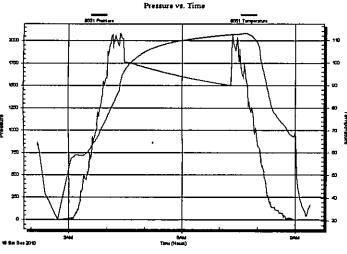
09:23:59

Time Off Btm:

TEST COMMENT: IF: Weak blow , Built to 7 in. over 30 mins.

ISt: No blow back over 45 mins. FF: Weak blow, Built to 4 in, over 30 mins.

FSI: No blow back over 60 mins.



	PRESSURE SUMMARY						
ĺ	Time	Pressure	Temp	Annotation			
	(Min.)	(psig)	(deg F)				
Territ							
Тептрегавие							
		l	i i				
1							

	Recovery			
Length (ft)	Length (ft) Description			
62.00	mcw-10M90%w	0.30		
62.00	mcw-40%m60%w	0.30		
62.00	vsgocw m-5%g5%o10%w 80%m	0.86		
25.00	go-20%g80%o	0.35		
0.00	109-Ft. gas in pipe	0.00		

Gas Rates				
	Choke (inches)	Pressure (psig)	Gas Rate (Mct/d)	
,				

Trilobite Testing, Inc

Ref. No: 040124

Printed: 2010.12.30 @ 20:55:49 Page 3



TOOL DIAGRAM

Credo Petro Corps.

Inloes CPC 1-36

1801 Broadw ay #900 Denver CO 80202

36 9 25w Sheridan KS

Job Ticket: 040124

DST#:4

ATTN: Bruce Ard

Test Start: 2010.12.18 @ 02:10:00

Tool Information

Drill Collar:

Drill Pipe: Heavy Wt. Pipe: Length:

Length: 125.00 ft Diameter:

Length: 3794.00 ft Diameter: 0.00 ft Diameter:

Diameter:

3.80 inches Volume: 0.00 inches Volume:

Total Volume:

2.25 inches Volume:

53.22 bbl 0.00 bbl 0.61 bbl Tool Weight:

2800.00 lb

53.83 bbl

Weight set on Packer: 28000.00 lb Weight to Pull Loose: 52000.00 lb

Tool Chased

2.00 ft

String Weight: Initial 48000.00 lb Final 50000.00 lb

Depth to Top Packer: Depth to Bottom Packer:

3914.00 ft 3925.00 ft Interval between Packers:

11.00 ft

241.57 ft

3

33.00 ft

6.75 inches

Number of Packers:

Drill Pipe Above KB:

Tool Comments:

Tool Length:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut in Tool	5.00			3891.00		
Hydraulic tool	5.00			3896.00		
Jars	5.00			3901.00		
Safety Joint	3.00			3904.00		
Packer	5.00			3909.00	28.00	Bottom Of Top Packer
Packer	5.00			3914.00		
Stubb	1.00			3915.00		
Recorder	0.00	6752	Inside	3915.00		
Recorder	0.00	6741	Outside	3915.00		
Perforations	5.00			3920.00		
Blank Off Sub	1.00			3921.00		
Packer - Shale	4.00			3925.00	11.00	Tool Interval
Packer	0.00			3925.00		
Stubb	1.00			3926.00		
Recorder	0.00	8651	Below	3926.00		
Change Over Sub	0.60			3926.60		
Blank Spacing	185.37			4111.97		
Change Over Sub	0.60			4112.57		
Perforations	12.00			4124.57		
Bullnose	3.00			4127.57	202.57	Bottom Packers & Anchor

Total Tool Length:

241.57



FLUID SUMMARY

Credo Petro Corps.

Inloes CPC 1-36

1801 Broadway #900 Denver CO 80202 36 9 25w Sheridan KS

Job Ticket: 040124

DST#: 4

deg API

15000 ppm

ATTN: Bruce Ard Te

Test Start: 2010.12.18 @ 02:10:00

Oil API:

Water Salinity:

Mud and Cushion Information

Mud Type: Gel Chem

CHEIN

10.00 lb/gal

Mud Weight: 16
Viscosity: 5
Water Loss:

57.00 sec/qt 7.19 in³

Resistivity: Salinity:

1.00 ohm.m 2200.00 ppm

Salinity: Filter Cake:

2.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

bbl

ft

psig

Recovery Information

Recovery Table

Length ft	Description	Volume - bbl
62.00	mcw-10M90%w	0.305
62.00	mcw-40%m60%w	0.305
62.00	vsgocw m-5%g5%o10%w 80%m	0.861
25.00	go-20%g80%o	0.351
. 0.00	109-Ft. gas in pipe	0.000

Total Length:

211.00 ft

Total Volume:

1.822 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW 1 @ 31.6F = 15000 ppm chlorides

