

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION 1145759

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 #	API No. 15
Name:	Spot Description:
Address 1:	
Address 2:	Feet from North / South Line of Section
City: State: Zip:+	Feet from East / West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	
CONTRACTOR: License #	County:
Name:	Lease Name: Well #:
Wellsite Geologist:	Field Name:
-	
Purchaser:	Producing Formation:
Designate Type of Completion:	Elevation: Ground: Kelly Bushing:
New Well Re-Entry Workover	Total Depth: Plug Back Total Depth:
Oil WSW SWD SIOW	Amount of Surface Pipe Set and Cemented at: Feet
Gas D&A ENHR SIGW	Multiple Stage Cementing Collar Used?
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:w/sx cmt.
If Workover/Re-entry: Old Well Info as follows:	
Operator:	
Well Name:	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Original Comp. Date: Original Total Depth:	
Deepening Re-perf. Conv. to ENHR Conv. to SWD	Chloride content: ppm Fluid volume: bbls
	Dewatering method used:
Plug Back: Plug Back Total Depth	Location of fluid disposal if hauled offsite:
Commingled Permit #:	Operator Name:
Dual Completion Permit #:	Operator Name:
SWD Permit #:	Lease Name: License #:
ENHR Permit #:	Quarter Sec TwpS. R East West
GSW Permit #:	County: Permit #:
Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date	

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:
Confidential Release Date:
Wireline Log Received
Geologist Report Received
UIC Distribution
ALT I II Approved by: Date:

	Side Two	1145759
Operator Name:	Lease Name:	Well #:
Sec TwpS. R East _ West	County:	

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 (Attach Additional Sheets)		Yes No		Log Formation (Top), Dept			Sample Datum	
Samples Sent to Geolog	ical Survey	Yes No	Nan	ie		Тор	Datum	
Cores Taken Electric Log Run Electric Log Submitted E (If no, Submit Copy)	Electronically	<pre>Yes □ No Yes □ No Yes □ No</pre>						
List All E. Logs Run:								
		CASIN	G RECORD	ew Used				
		Report all strings se	et-conductor, surface, int	ermediate, product	ion, 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: Perforate	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
Protect Casing Plug Back TD				
Plug Off Zone				

Shots Per Foot		PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated					ement Squeeze Record of Material Used)	Depth		
TUBING RECORD:	Siz	ze:	Set At:		Packe	r At:	Liner R	un:	No	
Date of First, Resumed	Product	ion, SWD or ENHF	ł.	Producing M	lethod:	ping	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours		Oil Bb	s.	Gas	Mcf	Wate	er	Bbls.	Gas-Oil Ratio	Gravity
DISPOSITION OF GAS:			METHOD	OF COMPLE	TION:		PRODUCTION INT	ERVAL:		
Vented Sold Used on Lease			Open Hole	Perf.	Uually (Submit /	Comp. ACO-5)	Commingled (Submit ACO-4)			
(If vented, Sul	bmit ACC)-18.)		Other (Specify)						<u></u>

Form	ACO1 - Well Completion
Operator	Palomino Petroleum, Inc.
Well Name	David 1
Doc ID	1145759

Tops

Name	Тор	Datum
Anhy.	2416	(+ 539)
Base Anhy.	2438	(+ 522)
Howard	3606	(- 651)
Topeka	3662	(- 707)
Heebner	3889	(- 934)
Toronto	3909	(- 954)
Lansing	3932	(- 977)
Stark	4172	(-1217)
ВКС	4241	(-1286)
Marmaton	4289	(-1334)
Pawnee	4382	(-1427)
Ft. Scott	4438	(-1483)
Cherokee	4463	(-1509)
Johnson	4510	(-1555)
Morrow Sh.	4528	(-1573)
Morrow Ss.	4530	(-1575)
Miss.	4577	(-1622)
LTD	4665	(-1710)

1				RECEIVED	
CONSOLI Oil Well Ser		REMIT TO nsolidated Oil Well S Dept. 970 P.O. Box 43 Houston, TX 7727	FEB 1 3 2013 MAIN OFFICE P.O. Box 884 Chanute, KS 66720 620/431-9210 • 1-800/467-8676 Fax 620/431-0012		
INVOICE				Invoice #	256620
Invoice Date: 02/11	./2013 Term	======================================	0	 F	e======= Page 1
PALOMINO PETROI 4924 SE 84TH SI NEWTON KS 6711 () -	REET	39 30 02	VID #1 302 -13-32 -08-2013 S		

Part Number 1131 1118B 1107 4432	Description 60/40 POZ M PREMIUM GEL FLO-SEAL (2 8 5/8" WOOD	IX / BENTONITE 5#)	Qty 205.00 705.00 51.00 1.00	.2500	Total 3095.50 176.25 143.82 96.00
Sublet Performed 9996-130 9995-130		RIAL DISCOUNT PMENT DISCOUNT			Total -351.16 -181.00
Description 405 P & A NEW WELL 405 EQUIPMENT MILE 566 MIN. BULK DELI)	Hours 1.00 15.00 1.00	Unit Price 1325.00 5.00 410.00	Total 1325.00 75.00 410.00

Amount Due 5595.48 if paid after 03/13/2013

	===========		==================					
Parts:	3511.57	Freight:	.00	Tax:	246.52	AR	5035.93	
Labor:	.00	Misc:	.00	Total:	5035.93			
Sublt:	-532.16	Supplies:	.00	Change:	.00			

Signed

ADO, KS EUREKA, KS 2-7022 620/583-7664 PONCA CITY, OK 580/762-2303 OAKLEY, KS 785/672-2227 OTTAWA, KS 785/242-4044 Date

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	hanute, KS 6672	o FIE	ELD TICKE	T & TREA	TMENT REP	ORT		
	or 800-467-8676			CEMEN				KS
DATE	CUSTOMER #	WEL	LL NAME & NUM	BER	SECTION	TOWNSHIP	RANGE	COUNTY
2-873	6285	Dard	#/		30	135	320	Logan
CUSTOMER	Palamina	Petrol.	2.4	Quarted	TRUCK #	DRIVER	TRUCK #	DRIVER
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	SAS @ 1400	/						
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CODE	QUANITY o	r UNITS		SCRIPTION of			UNIT PRICE	TOTAL 1325
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I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.

CONSOLID Oil Well Service	Concolidated Oil Wa	Il Services, LLC 170 4346	MAIN OFFICE P.O. Box 884 Chanute, KS 66720 210 • 1-800/467-8676 Fax 620/431-0012
INVOICE		Invoice	
Invoice Date: 01/31/			Page 1
PALOMINO PETROLE 4924 SE 84TH STR NEWTON KS 67114 () -	EET	DAVID #1 39262 30-13-32 01-30-2013 KS	
1104S 1102 1118B	Description CLASS "A" CEMENT (SALE) CALCIUM CHLORIDE (50#) PREMIUM GEL / BENTONITE SODIUM CHLORIDE (GRANULA	465.00 .89 310.00 .25	500 2912.25 000 413.85 500 77.50
9996-130	Description CEMENT MATERIAL DISCOUNT CEMENT EQUIPMENT DISCOUN		Total -340.36 -157.00
Description 463 CEMENT PUMP (SU 463 EQUIPMENT MILEA 693 MIN. BULK DELIV	GE (ONE WAY)	Hours Unit Pri 1.00 1085. 15.00 5. 1.00 410.	00 1085.00 00 75.00
Cement for	surface pipe	1/30	
	Amount Due	5239.09 if paid after	03/02/2013
Parts: 3403.60 Free Labor: .00 Mis Sublt: -497.36 Sug	-	238.94 AR 11: 4715.18 age: .00	4715.18

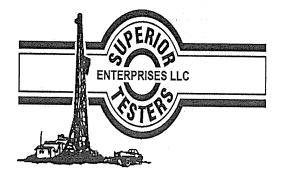
 Signed______
 Date______

 BartLesville, OK
 EL DORADO, KS
 EUREKA, KS
 PONCA CITY, OK
 OAKLEY, KS
 OTTAWA, KS
 THAYER, KS
 Gillette, WY

 918/338-0808
 316/322-7022
 620/583-7664
 580/762-2303
 785/672-2227
 785/242-4044
 620/839-5269
 307/686-4914

and the							
	CONSOLIDATES OIL Walk Service, LLC		5639		TICKET NUM LOCATION FOREMAN	BER <u>3</u> Der <u>K</u> Ie	$\frac{9262}{6262}$
620-431-921	Chanute, KS 66720) or 800-467-8676	FIELD TICKE			PORT		CARE
DATE	CUSTOMER #	WELL NAME & NUI	CEMEN				
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CUSTOMER)年 6.14.		30	135	3740	
	Palomino i	Petro	Dakley South	TRUCK #			Llogia m
MAILING ADD	RESS		TOQUAL	463	DRIVER	TRUCK #	DRIVER
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i acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.



DRILL STEM TEST REPORT

Prepared For: Palomino

4924 South East 8th Street Newton Kansas 67114

ATTN: Kevin Bailey

#1David

30-13-32-Logan

Start Date:	2013.02.05 @	04:00:00	
End Date:	2013.02.05 @	10:07:30	
Job Ticket #:	17416	DST #:	1

Superior Testers Enterprises LLC PO Box 138 Great Bend KS 67530 1-800-792-6902 Palomino

Printed: 2013.02.13 @ 13:24:48

Patientino 30-13-322-Logan 422-8 South East Bith Street New ton Kenses 67114 #1David Job Ticket: 17416 David Job Ticket: 17416 DST#:1 ATTR: Kevin Baloy Test Type: GENERAL INFORMATION: Fermation: Kanses city-K Daviate: No Formation: Kanses city-K Daviate: No Whipstock: 11 (KB) Time Tool Openet: 2013-02.05 Generation: 2015-Scott Oly-80 Interval: 4164.00 ft (KB) To 4205.00 ft (KB) (TVD) Tester: Dualt Res Total Deptin: 2435.00 ft (KB) (TVD) Reference Elevations: 2013.02.05 Start Date: 2013.02.05 End Date: 2013.02.05 500.00 Press@PunDepth: 1146.64 psis @ ft (KB) 2013.02.05 607.26: 00 Start Time: 04:01:00 End Time: 10:07:30 Time Off Bim: 2013.02.05 Start Time: 04:01:00 End Time: 10:07:30 Time Off Bim: 2013.02.05 Start Time: 04:01:00 End Time: 10:07:30 Time Off Bim: 2013.02.05 Start Time: 04:01:00 End Time: 10:07:30 Time Off Bim: 2013.02.05 Start Time: 10:07:30 Time Off Bim: 2013.02.05 <th></th> <th>5 A 3</th> <th>Palomino</th> <th>ST REP</th> <th></th> <th></th> <th></th> <th></th> <th></th>		5 A 3	Palomino	ST REP					
Newton Kansas 67114 ATTN: Kevin Balley Job Ticket: 17415 DST#:1 DST#:1 GENERAL INFORMATION: Test Start: 2013.02.05 @ 04:00:00 Generation: Kensas city - K Deviated: No. Whipstock: f1 (KB) Test Type: Conventional Bottom Hole (Initial) Time Tool Opened: 05:48:30 Interval: 4164.00 ft (KB) To 4205.00 ft (KB) (TVD) Toster: Dust Bis Unit No: Total Depti: 2013.02.05 End Conventional Bottom Hole (Initial) 285.00 ft (KB) 285.00 ft (KB) Fress@hunDepti: 1146.64 psia @ ft (KB) ft (KB) Capacity:: 5000.00 psia Start Date: 2013.02.05 End Date: 2013.02.05 End Date: Start Time: 04:01:00 End Time: 10:07:30 Time On Birn: 2013.02.05 @ 07:50:00 TEST COMMENT: 15 Open 30 minutes Fair building blow built to the bottom of 5 gallon bucket in 6 minutes. 2nd Shut In 30 minutes No blow back 2nd Shut In 30 minutes No blow back 2nd Shut In 30 minutes No blow back 10:67:59 1132.24 107:51 10:71 ft illa Hydro-static 1 84.20 1 84.20 10:75 Shut-h(1) 10:64 gs Shut-h(1) 10:64 gs Shut-h(1) 1 1 1 1 1 1 1 1 2 1 1 1 1 1 <t< td=""><td>EN EN</td><td></td><td>Palomino</td><td></td><td>30-</td><td>-13-32-Lo</td><td>ogan</td><td></td><td></td></t<>	EN EN		Palomino		30-	-13-32-Lo	ogan		
GENERAL INFORMATION: Formation: Kansas city - K Deviated: No Time Tool Openad: 05:48:30 Tester: Dusin Elis Time Tool Openad: 05:48:30 Tester: Dusin Elis Interval: 4164.00 ft (KB) To 4205.00 ft (KB) (TVD) Total Depth: 4205.00 ft (KB) (TVD) Reference Elevations: 295.00 ft (KB) Press@PanDepth: 1146.64 psia @ ft (KB) ft (KB) Capacity: 5000.00 psia Start Date: 2013.02.05 End Date: 2013.02.05 Unit No minutes No blow back Start Date: 0.4:01:00 End Time: 10:07:30 Time On Bim: 2013.02.05 @ 05:48:00 TEST COMMENT: 1st Open 30 minutes Fair building blow built to the bottom of 5 gallon bucket in 6 minutes. 1st Shut in 30 minutes No blow back Time On Bim: 2013.02.05 @ 05:48:00 Time On Bim: 013.02.05 End Shut-h(1) 10:7.15 Open To Flow (1) 13 361.67 107.61 Initial Hydro-static 102.21 102.224 107.14 End Shut-h(1) 103.22 106.82 Shut-h(1) 107.15 Open To Flow (1) 113 361.67 108.22 </td <td></td> <td>ESTER?</td> <td></td> <td></td> <td></td> <td></td> <td>م 7416</td> <td>DST#:</td> <td>1 1</td>		ESTER?					م 7416	DST#:	1 1
Formation: Kansas city -K Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial) Time Tool Opened: 05:48:30 Tester: Dusitin Ells Unit No: 3315-Scott City-80 Interval: 4164.00 ft (KB) To 4205.00 ft (KB) (TVD) Reference Elevations: 2950.00 ft (KB) Total Dapth: 4205.00 ft (KB) (TVD) Reference Elevations: 2950.00 ft (KB) Serial #: 6839 Press@PunDepth: 1146.64 psia @ ft (KB) Capacity: 5000.00 psia Start Date: 2013.02.05 Last Calib.: 2013.02.05 @ 05:48:00 Time Of Bim: 2013.02.05 @ 05:48:00 Time: 0.4:01:00 End Time: 10:07:30 Time Of Bim: 2013.02.05 @ 05:48:00 Time: 0.4:01:00 End Time: 10:07:30 Time Of Bim: 2013.02.05 @ 05:48:00 Time: 0.4:01:00 End Time: 10:07:30 Time Of Bim: 2013.02.05 @ 05:48:00 Time: 0.4:01:00 End Time: 10:07:30 Time Of Bim: 2013.02.05 @ 05:48:00 Time: 0.4:01:00 End Time: 10:07:30 Time Of Bim: 2013.02.05 @ 05:48:00 <td< td=""><td></td><td></td><td>ATTN: Kevin Bailey</td><td></td><td>Tes</td><td>t Start: 20</td><td>013.02.05 @</td><td>@ 04:00:00</td><td></td></td<>			ATTN: Kevin Bailey		Tes	t Start: 20	013.02.05 @	@ 04:00:00	
Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial) Time Tool Opened: 05:48:30 Time Tool Opened: 05:48:30 Test Type: Conventional Bottom Hole (Initial) Time Tool Opened: 05:48:30 Time Tool Type: Conventional Bottom Hole (Initial) Time Tool Opened: 05:48:30 Time Tool Type: Conventional Bottom Hole (Initial) Time Tool Opened: 05:48:30 Time Tool Type: Conventional Bottom Hole (Initial) Time Tool Opened: 05:48:30 Time Tool Type: Conventional Bottom Hole (Initial) Time Tool Opened: 05:48:30 Time Tool Type: Conventional Bottom Hole (Initial) Fereine: 7:88 incheshole Condition: Fair KB to GPUCF: 5:00 ft (KB) Start Date: 2013.02.05 Ead Calb: 2013.02.05 @ 05:48:00 Time Or Bim: 2013.02.05 @ 07:50:00 Time Or Bim: 2013.02.05 @ 07:50:00 TEST COMMENT: 1st Open 30 minutes Fair building blow built to the bottom of 5 gallon bucket in 6 minutes. Time Of Bim: 2013.02.05 @ 07:50:00 TEST COMMENT: 1st Open 30 minutes No blow back Time Of Bim: 2013.02.05 @ 07:50:00 Time Of Bim: 2013.02.05 @ 07:50:00 Test Tool Time Of Bim: 2013.02.05 @ 07:50:00	GENERAL	INFORMATION:							
Total Depth: 4205.00 ft (KB) (TVD) 2950.00 ft (CF) Hole Diameter: 7.88 inchesHole Condition: Fair XB to GR/CF: 5.00 ft Serial #: 6839 Press@PunDepth: 1146.64 psia @ ft (KB) Capacity: 5000.00 psia Start Date: 2013.02.05 End Date: 2013.02.05 Last Calib.: 2013.02.05 @ 0548:00 Start Time: 04:01:00 End Time: 10:07:30 Time Off Btm: 2013.02.05 @ 0548:00 TEST COMMENT: 1st Sputi n 30 minutes Na biow back 2nd Open 30 minutes Na biow back Time Off Btm: 2013.02.05 @ 0548:00 TEST COMMENT: 1st Sputi n 30 minutes Na biow back 2nd Sputi so the bottom of 5 gallon bucket in 6 minutes. 2nd Open 30 minutes Fair building blow built to the bottom of 5 gallon bucket in 6 minutes. 2088.06 107.81 2088.06 107.81 Initial Hydro-static 107.15 Open To Flow (1) 31 361.67 106.42 Shut-In(2) 1146.64 108.52 End Shut-In(2) 1122 132.24 107.15 Shut-In(2) 1132.24 107.15 Shut-In(2) 1122 132.23 106.83 Open To Flow (1) 1132.24 108.52<	Deviated: Time Tool Ope	No Whipstock: ened: 05:48:30	ft (KB)		Tes	ter:	Dustin ⊟lis		le (Initial)
Press@RunDepth: 1146.64 psia @ ft (KB) Start Date: 2013.02.05 End Date: 2013.02.05 Last Callb.: 2013.02.05 @ 05.48:00 Time Of Btm: 2013.02.05 @ 07.50:00 Time Of Btm: 2013.	Total Depth:	4205.00 ft (KB) (TV	D)		Ref			2950.00	ft (CF)
1st Shut in 30 minutes No blow back Pressure vs. Time Time Pressure Temp Annotation Image: colspan="2">Image: colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan= Colspan="2">Colspan= Colspan="2">Colspan= Colspan="2">Colspan= Colspan="2">Colspan= Colspan="2">Colspan="2">Colspan= Colspan="2">Colspan= Colspan="2">Colspan= Colspan="2">Colspan= Colspan="2">Colspan= Colspan="2">Colspan= Colspan="2">Colspan="2">Colspan= Colspan="2">Colspan= Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"C	Press@RunDe Start Date:	epth: 1146.64 psia (2013.02.05	End Date:		Last Cali Time On	b.: Btm: :		2013.02.05 @ 05:48:00	psia
The Source Sour		1st Shut in 30 mi 2nd Open 30 mi 2nd Shut in 30 mi	nutes No blow back nutes Fair building blow built to nutes No blow back						
Image Pressure Temp Annotation Image (bin) (cleg F)					PI	RESSUF	RE SUMN	/IARY	
Length (ft) Description Volume (bbl) 975.00 Muddy water 5%mud 95%water 12.55							T		
Length (tt) Description Volume (bbl) 975.00 Muddy water 5%mud 95%water 12.55	2000 1779 720 720 720 720 720 720 800 800 800 800 800 800 800 800 800 8			(Min.) (Min.) (Min.) (1 3 3 3 5 9 60 88 122 122 5 6 1 1 5 9 60 88 122 122 122	(psia) 2088.06 84.20 361.67 1132.24 371.88 549.36 1146.64	(deg F) 107.81 107.15 106.42 107.14 106.93 107.51 108.52	Initial Hydr Open To F Shut-In(1) End Shut- Open To F Shut-In(2) End Shut-	ro-static Flow (1)) -In(1) Flow (2)) -In(2)	
				(Min.) (Min.) (Min.) (1 3 3 3 5 9 60 88 122 122 5 6 1 1 5 9 60 88 122 122 122	(psia) 2088.06 84.20 361.67 1132.24 371.88 549.36 1146.64	(deg F) 107.81 107.15 106.42 107.14 106.93 107.51 108.52 109.00	Initial Hydr Open To F Shut-In(1) End Shut- Open To F Shut-In(2) End Shut- Final Hydr	ro-static Flow (1)) -In(1) Flow (2)) -In(2)	
	2000 1770 1700	Ved Treeptan)		(Min.) (Min.) (Min.) (1 3 3 3 5 9 60 88 122 122 5 6 1 1 5 9 60 88 122 122 122	(psia) 2088.06 84.20 361.67 1132.24 371.88 549.36 1146.64	(deg F) 107.81 107.15 106.42 107.14 106.93 107.51 108.52 109.00	Initial Hydr Open To F Shut-In(1) End Shut- Open To F Shut-In(2) End Shut- Final Hydr	ro-static Flow (1)) -ln(1) Flow (2)) -ln(2) ro-static	as Rate (Mc//d)
	2000 1770 2000 2000 200 200 200 200 200	Recovery Description Muddy water 5%mud 95%	Volume (bbl) bw ater 12.55	(Min.) (Min.) (Min.) (1 3 3 3 5 9 60 88 122 122 5 6 1 1 5 9 60 88 122 122 122	(psia) 2088.06 84.20 361.67 1132.24 371.88 549.36 1146.64	(deg F) 107.81 107.15 106.42 107.14 106.93 107.51 108.52 109.00	Initial Hydr Open To F Shut-In(1) End Shut- Open To F Shut-In(2) End Shut- Final Hydr	ro-static Flow (1)) -ln(1) Flow (2)) -ln(2) ro-static	as Rate (Mcl/d)
	2003 1778	Recovery Description Muddy water 5%mud 95%	Volume (bbl) bw ater 12.55	(Min.) (Min.) (Min.) (1 3 3 3 5 9 60 88 122 122 5 6 1 1 5 9 60 88 122 122 122	(psia) 2088.06 84.20 361.67 1132.24 371.88 549.36 1146.64	(deg F) 107.81 107.15 106.42 107.14 106.93 107.51 108.52 109.00	Initial Hydr Open To F Shut-In(1) End Shut- Open To F Shut-In(2) End Shut- Final Hydr	ro-static Flow (1)) -ln(1) Flow (2)) -ln(2) ro-static	as Rate (Mct/d)

Superior Testers Enterprises LLC

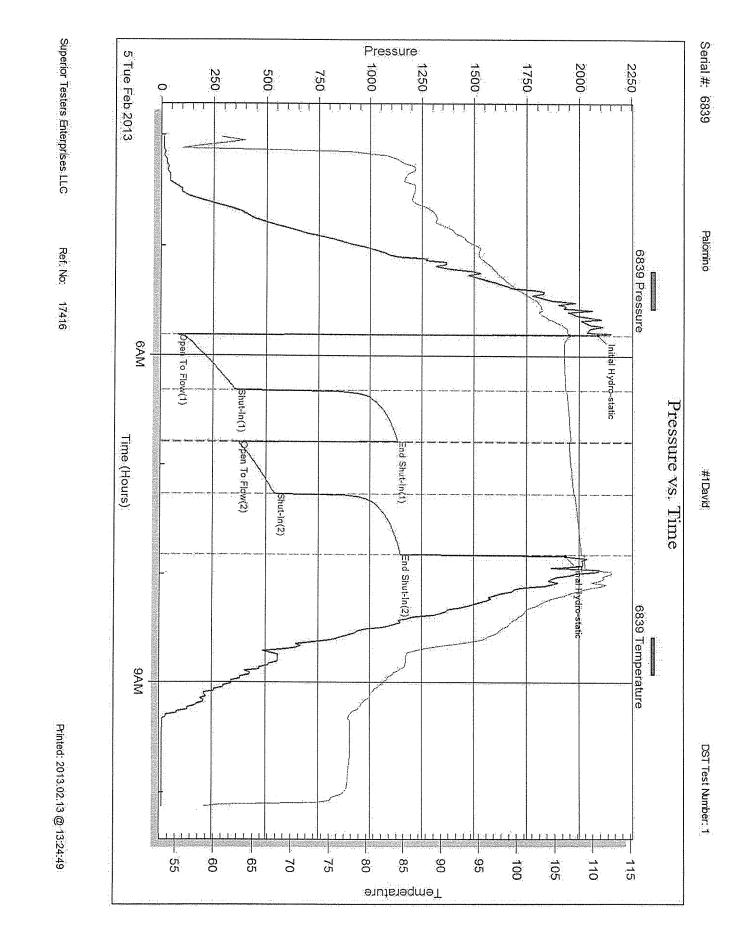
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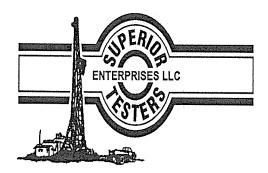
	ERIO		DRI	LL S	TEM TEST	REPOR	Г		FLUID S	UMMAR
ENTER	PRISES LLC		Palomir	סר			30-13-32-L	ogan		
	STER				st 8th Street s 67114		#1David			
				n Nansa	5 07 1 14		Job Ticket:	17416	DST#:1	
E			ATTN:	Kevin	Bailey		Test Start: 2	2013.02.05 @ 04	4:00:00	
Mud and Cus	hion Inforr	nation								
Mud Type: Gel					Cushion Type:			Oil A PI:		deg API
Mud Weight:	9.00 lb/g				Cushion Length:		ft	Water Salinity:		ppm
/iscosity: Vater Loss:	53.00 sec 7.99 in ³	:/qt			Cushion Volume:		bbl			
Resistivity:	0.40 ohn	n.m			Gas Cushion Type: Gas Cushion Pressu	Iro.	psia			
Salinity:	5000.00 ppn					ne.	psia			
Filter Cake:	1.00 inch									
		Length	ı		Recovery Table Description		Volume	7		
		ft	1		Description		Volume bbl			
		g	75.00		water 5%mud 95%v	v ater	12.54	6		
			0.00	Chlorid	es 52,000		0.000	<u>ס</u> ן		
	Total I	_ength:	975.	.00 ft	Total Volume:	12.546 bbl				
		luid Sample			Num Gas Bombs:	: 0	Serial #	:		
		atory Name /ery Comm			Laboratory Locat	lion:				

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(analysis)





DRILL STEM TEST REPORT

Prepared For: Palomino

4924 South East 8th Street Newton Kansas 67114

ATTN: Kevin Bailey

#1David

30-13-32-Logan

Start Date:	2013.02.06 @	12:11:00	
End Date:	2013.02.06 @	18:25:00	
Job Ticket #:	17417	DST #:	2

Superior Testers Enterprises LLC PO Box 138 Great Bend KS 67530 1-800-792-6902

Printed: 2013.02.13 @ 13:25:59

REAL	DRILL STEM TES	TREP	ORT				
ENTERPRISES LLC	Palomino		30-	13-32-Lo	ogan		
COTER-	4924 South East 8th Street New ton Kansas 67114			David Ticket: 17	7417	DST#::	2
	ATTN: Kevin Bailey		Test	t Start: 20	013.02.	06 @ 12:11:00	
GENERAL INFORMATION:		<u></u>					
Formation:ArbuckleDeviated:NoWhipstock:Time Tool Opened:14:26:30Time Test Ended:18:25:00	ft (KB)		Tes	ter: I	Dustin I	ntional Bottom Ho Ellis cott City-80	le (Initial)
Interval:4490.00 ft (KB) To4Total Depth:4520.00 ft (KB) (ToHole Diameter:7.88 inches Ho			Refe	erence Ele KB t	evations	2950.00	ft (CF)
Serial #: 6839 Press@RunDepth: 45.04 psia Start Date: 2013.02.06 Start Time: 12:12:00	End Date:	2013.02.06 18:25:00	Capacity Last Calil Time On Time Off	o.: Btm: :		5000.00 2013.02.07 2.06 @ 14:26:00 2.06 @ 16:33:30	
2nd Open 30 r	ninutes Weak surface blow though ninutes No blow back ninutes Weak surface blow the died ninutes No blow back						
Pressure v s .	Time (53) Temperature		PF	RESSUF	RE SU	IMMARY	
		Time (Min.) 0 1 31 61 62 97 127 128	Pressure (psia) 2235.49 42.73 42.58 46.03 43.94 44.49 45.04 2105.74	Temp (deg F) 114.33 114.28 114.76 115.02 115.03 115.73 116.43 117.29	Initial Open Shut- End S Open Shut- End S	Shut-In(1) To Flow (2)	
Recovery				Ga	s Rate	es	
Length (ft) Description 4.00 Mud 100%	Volume (bbl) 0.02			Choke (inches)	Pressure (psia) G	ias Rate (Mcf/d)

Superior Testers Enterprises LLC

NET	Palo	mino			30-13-32-L		LUID SU	
ENTERPRISES LLC	492	4 South Ea ton Kansa	ast 8th Street		#1David	Jun		
					Job Ticket: 1	17417	DST#:2	
	ATI	N: Kevin	Bailey		Test Start: 2	2013.02.06 @ 12	:11:00	
Mud and Cushion Inf	formation							
/iscosity: 52.00 Vater Loss: 7.99 Resistivity: Salinity: 4500.00	ohm.m		Cushion Type: Cushion Length: Cushion Volume: Gas Cushion Type: Gas Cushion Pressure:		ft bbl psia	Oil API: Water Salinity:		deg API ppm
Recovery Information	n							
			Recovery Table			7		
	Length ft		Description		Volume bbl			
	4.00	Mud 1	00%		0.020	ס		
Tc	otal Length:	4.00 ft	Total Volume:	0.020 bbl				

Sources and states

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