

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1130156

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:	Sec TwpS. R East West
Address 2:	Feet from North / South Line of Section
City: State: Zip:+	Feet from East / West Line of Section
Contact Person:	
Phone: ()	
CONTRACTOR: License #	
Name:	
Wellsite Geologist:	
C C C C C C C C C C C C C C C C C C C	
Purchaser:	
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. A	bd. 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	Chloride content: ppm Fluid volume: bbls
	Dewatering method used:
Plug Back: Plug Back Total Depth	Location of fluid disposal if hauled offsite:
Commingled     Permit #:	
Dual Completion Permit #:	Operator Name:
SWD Permit #:	License #:
ENHR Permit #:	Quarter Sec Two S 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 III Approved by: Date:

	Side Two	1130156
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 She	eets)	Yes No		]Log Formatio	on (Top), Depth an	d Datum Top	Sample
Samples Sent to Geolog	gical Survey	Yes No		ame		юр	Datum
Cores Taken Electric Log Run Electric Log Submitted E (If no, Submit Copy)	Electronically	☐ Yes ☐ No ☐ Yes ☐ No ☐ Yes ☐ No					
List All E. Logs Run:							
		CASI	NG RECORD	New Used			
		Report all strings s	set-conductor, surface,	intermediate, produc	tion, 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 I of Material Used)	Depth
TUBING RECORD:	Siz	ze:	Set At:		Packer	At:	Liner R	un:	No	
Date of First, Resumed F	Product	ion, SWD or ENH	۲.	Producing N	_	ping	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours		Oil Bb	ls.	Gas	Mcf	Wate	ər	Bbls.	Gas-Oil Ratio	Gravity
									Ι	
DISPOSITIO	N OF C	BAS:			METHOD	OF COMPLE	TION:		PRODUCTION INTE	RVAL:
Vented Sold		Jsed on Lease		Open Hole	Perf.	Dually (Submit )		Commingled (Submit ACO-4)		
(If vented, Subi	mit ACC	)-18.)		Other (Specify	)					

Form	ACO1 - Well Completion
Operator	Palomino Petroleum, Inc.
Well Name	Otha 1
Doc ID	1130156

Tops

Name	Тор	Datum
Anhy.	1806	(+ 540)
Base Anhy.	1842	(+ 504)
Heebner	3626	(-1280)
Toronto	3646	(-1300)
Lansing	3667	(-1321)
Stark Shale	3898	(-1552)
ВКС	3952	(-1606)
Pawnee	4095	(-1749)
Ft. Scott	4158	(-1812)
Cherokee	4184	(-1838)
Miss.	4263	(-1917)
LTD	4365	(-2019)



BILL TO

Palomino Petroleum Inc. 4924 S E 84th Street Newton, KS 67114-8827

- Acidizing
- Cement
- Tool Rental

TERMS	Well N	Jo.	Lease	County	Contractor	We	ll Type	We	ell Category	Job Purpose	e Operator
Net 30	#1		Otha	Trego	Express Well Serv		Oil	,	Workover	Squeeze Perf	s Jason
PRICE I	REF.			DESCRIPT	ION		QTY	1	UM	UNIT PRICE	AMOUNT
575W 578W-D 290 325 581W 582W		Pun D-A Star Serv Min	eage - 1 Way np Charge - Deep Air ndard Cement vice Charge Ceme imum Drayage C total es Tax Trego Cou	ent harge	00 Ft.)			1 0.5 50 75	Miles Job Gallon(s) Sacks Sacks Each	6.00 1,500.00 35.00 13.50 2.00 250.00 6.80%	240.00T 1,500.00T 17.50T 675.00T 150.00T 250.00T 2,832.50 192.61
We Ap	pred	cia	te Your E	Business	5!			ł	Tota		\$3,025.11

SWIFT OPERATOR	LIMITED WARRANTY provisions. MUST BE SIGNED BY CUSTOMER OR CUSTOM START OF WORK OR DELIVERY OF GOODS X ALL ALL ALL ALL ALL ALL ALL ALL ALL AL	LEGAL TERMS: C the terms and condit but are not limited to	325	290	FERENCE	Services Services
The second	LIMITED WARRANTY provisions. MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS X JUL	LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to PAYMENT RELEASE INDEMNITY and			SECONDARY REFERENCE/ PART NUMBER	WELLIPROJECT
ER ACCEPTANCE OF MAT	OR TO	pes and agrees to			LOC ACCT DF	CHARGE ADDRESS CITY, STA
CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket	SWIFT SERVICES, INC. P.O. BOX 466 NESS CITY, KS 67560 785-798-2300	REMIT PAYMENT TO:	STANDARD (EMENT	PUMP CHARGE DAIR		TRE ZIP CODE TE, ZIP CODE TE, ZIP CODE TE, ZIP CODE TE, ZIP CODE TE, ZIP CODE THA BI COUNTY FRANSH TRECSON WELL CATEGORY WELL CATEGORY TRECSON
adges receipt of the materials and services listed on this ticker	MET YOUR NEEDS? OUR SERVICE WAS PERFORMED WITHOUT DELAY? WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY? ARE YOU SATISFIED WITH OUR SERVICE? U CUSTOMER DID NOT WISH TO RESPOND	SURVEY AGREE DECIDED AGREE WITHOUT BREAKDOWN?		1/2 gal		STATE CITY KS. UTI CA KS. SHIPPED DELIVERED TO VIA WELL PERMIT NO.
	(1 rego (1 rego (1 rak 87, 19,2 61 (6.88, 19,2 61	PAGE TOTAL 28 50	13150 (075-100	1500 11		TICKET Nº 24227 PAGE OF MAR IS OWNER ORDER NO. WELLICCATION WELLICCATION MAR IS TLUTO

)B <sup>®</sup> LC		~		ب <i>ب</i> ر			Serv	ices, Inc. [DATES MAR 13  PAG					
TAL	ominof	ETROLEU	WELL NO.				THAE	JOB TYPE PERF SQUEEZE TICKET NO. 2422					
HART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PU T	MPS C	PRESSU	RE (PSI) CASING	DESCRIPTION OF OPERATION AND MATERIALS					
1	0750		1					DN LOCATION					
			1		1	1	1	PKR@ 4288					
	0813	43	75	1	1		1	LOAD HOLE CIRCULATE DIL DUT					
	0835					3000		SET PACKER-TEST TOOLS - HELD					
								PMI PACKERTO 4191					
	3346	22		~		400		TAKELUS. RATE.					
	3855	_3	103		1	300		MIX 50 SX STANDARD CEMENT					
	0902							WASH OUT PUMP & KINES					
	0906			1				START DISPLACING CEMENT					
		3	if	2		200							
		3	15	~		300							
		15	23	~		300							
		1	24			350							
		1/2	25	<u>\</u>		425							
k	0922	Ø	25	~		400		SHUT WELL IN					
	0A23							WASHTRUCK					
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						500							
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				2		1500							
				~		2000							
	1107			2		2500							
	1115			<u>\</u>		·····		RELEASE PSI-DRY					
	1125	4	55				300	BELEASE PACKER - REVERSE CLEAN.					
	1145			>		1000		BET BACKER - PSIUP - HOLDS					
	1148							RELEASE PSI-					
								RACK TRUCK up.					
								۰					
						-		THANKS # 115					
						,		JASON JEFF FLINT					



BILL TO

Palomino Petroleum Inc. 4924 S E 84th Street Newton, KS 67114-8827

- Acidizing
- Cement
- Tool Rental

TERMS	Well N	lo.	Lease	County	Contractor	We	II Туре	W	ell Category	Job Purpos	е	Operator
Net 30	#1		Otha	Trego	Express Well Serv		Oil	D	evelopment	Cement Port Co	ollar	Blaine
PRICE I	CE REF. DESCRIPTION						QTY	(	UМ	UNIT PRICE	,	AMOUNT
575D 576D-D 330 276 290 104 581D 583D		Pum Swif Floc D-A Port Serv Dray	ir Collar Tool Ren ice Charge Ceme vage	Standard (MID tal ent	CON II)			1 140	Miles Job Sacks Lb(s) Gallon(s) Each Sacks Ton Miles	6.00 1,250.00 16.50 2.00 35.00 2.00 1.00 6.80%		240.00 1,250.00 2,310.00T 100.00T 70.00T 250.00T 400.00 398.04 5,018.04 185.64
			or Your B For A Wo		& Holiday Se	aso	n!!		Tota			\$5,203.68

Thank You!						VAL	AUM APPROVAL	ev .	SWIFT OPERATOR
ALC: NOT THE OWNER OF THE OWNER OWNER OF THE OWNER		d on this ticket.	es receipt of the materials and services listed on this ticket	edges receipt of the n	CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledg	MATERIALS AND SER	ER ACCEPTANCE OF	CUSTOM	
5203 68	TOTAL	OND	IOT WISH TO		192-798-2300	201	L P.M.		
	_		VITH OUR SERVICE?	ARE YOU SATISFIED WITH OUR SERVICE?				TIME SIGNED	DATE SIGNED
185 64	TAX 1 TAX		B	WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?	P.O. BOX 466	NESS P.C		X Aldren I Lusiomer or Cusiomer's AGENI PRIOR TO START OF WORK OR DELIVERY OF GOODS	START OF WORK OR DELIVI
				MET YOUR NEEDS? OUR SERVICE WAS	SWIFT SERVICES. INC.	SWIFT S	indeminini T, aliq	LIMITED WARRANTY provisions.	LIMITED WARRANTY provisions.
5018 04	PAGE TOTAL	DECIDED AGREE	AGREE	SURVEY OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?	REMIT PAYMENT TO:	REMIT	ges and agrees to eof which include,	LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to DAYMENT DELEASE INDEMNITY and	LEGAL TERMS: Cu the terms and conditi but are not limited to
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	7-15-25	WELL	WELL PERMIT NO.		coment port coller	evelopment		67	4.
	-R NO.	ORDI	10gto	VC VC		WELL CATEGODY Y			<i>4.</i> 3.
VER	DATE OWNER	DATE	Utica		COUNTY/PARISH TROSO	ötha		WELLIPROJECT NO.	1. The Control of the
OF	PAGE 1					CODE	CITY, STATE, ZIP CODE		Services,
8	Nº 23558						ADDRESS		
	TICKET				Palenino Potosleum	Palan	CHARGE TO:	WIFT	NS

SWIFT Services, Inc. JOB LOG DATE ABV 12 PAGENO. TICKET NO. CUSTOMER Palanino Petroleem WELL NO. JOB TYPE LEASE Otha \$ comit poit collage PRESSURE (PSI) TUBING CASING RATE (BPM) VOLUME (BBL) (GAL) CHART PUMPS TIME DESCRIPTION OF OPERATION AND MATERIALS TC NO. 2005k Smaw/ 4 + Flocele poit collar 1769' 27 × 52" on loc TRK114 1215 test to 1000ps - held open part collar inj rate 32 bpm @ 400ps. 1240 1000 (aos 1245 33 400 2 32 mix SMD comet @ 11.2 pg fluit to surface 1252 400 33 ર્સ 400 ろう Cerment to some face 500 1312 75 14/15/ mixed 15 to pit 9E Displace 92 61 H20 32 500 close port collar test to 1000 psi - hold 1318 1000 1800 Run 5 joints Reverse hole claens 1330 25 -2 connent flags -Wash truck Job complete 1410 Hunds Dave TJ Bain 5 15APZ

	SWIFT P. O. Box 466			I	Invoice
V	Ness City, KS 67560 Off: 785-798-2300	-15		DATE	INVOICE #
	Services, Inc.			11/18/2012	23471
		RECEIVED			
	BILL TO	NOV 2 0 2012	• /		
				0	

Palomino Petroleum Inc. 4924 S E 84th Street Newton, KS 67114-8827

- Cement
  - Tool Rental

TERMS	Well No	D.	Lease	County	Contractor	Wel	II Туре	W	ell Category	Job Purpose	Operator
Net 30	#1		Otha	Trego	H2 Drilling, LLC #1		Oil	D	evelopment	Cement 5-1/2" [	David
PRICE	REF.			DESCRIPT	ION		QTY	(	UM	UNIT PRICE	AMOUNT
575D 578D-L 402-5 403-5 409-5 406-5 407-5 404-5 325 284 283 285 276 330 281 221 290 581D 583D	F 555555555555555555555555555555555555	Pump C 5 1/2" C 5 1/2" C 5 1/2" T 5 1/2" T 5 1/2" T 6 1/2" P 6 1/2" C 6 1/2" C 7 1/2" C 6 1/2" C 7 1/2	ort Collar d Cement ulti-Density S ush KCL (Clayfix) Charge Cemen	ug & Baffle oe With Auto Standard (MID				40 1 1 2 9 1 1 1 100 5 500 500 500 500 125 500 4 2 225 8.28	Gallon(s) Gallon(s) Gallon(s)	$\begin{array}{c} 6.00\\ 1,500.00\\ 70.00\\ 250.00\\ 90.00\\ 250.00\\ 350.00\\ 2.400.00\\ 13.50\\ 35.00\\ 0.20\\ 4.00\\ 2.00\\ 16.50\\ 1.25\\ 25.00\\ 35.00\\ 2.00\\ 1.00\\ \end{array}$	240.00 1,500.00 70.00T 500.00T 810.00T 250.00T 350.00T 1,350.00T 1,350.00T 100.00T 2,062.50T 625.00T 100.00T 70.00T 450.00 458.28 11.810.78 623.05
We Ap	prec	iate	Your B	Business	5!				Tota		\$12,433.83

Thank You!				V	A	APPROVAL	d Kuchy	SWIFT OPERATOR David
C		RESPOND listed on this ticket.	customer bib NOT WISH TO RESPOND receipt of the materials and services listed on this ticket	l cusi viedges receipt of th	CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledg	CEPTANCE OF MA	CUSTOMER AC	4. 
12, 422 82	TOTAL				~	P AM	TIME SIGNED	DATE SIGNED
623 05	SUB-total TAX 40 (0.8%	Ar	E OPERATED THE EQUIPMENT ID PERFORMED JOB LCULATIONS TISFACTORILY?	WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?			START OF WORK OR DELIVERY OF GOODS	START OF WORK OR DELIVE
5690 78	1		S HOUT DELAY?	MET YOUR NEEDS? OUR SERVICE WAS PERFORMED WITHOUT DELAY?	SWIFT SERVICES, INC.		TY PROVISIONS.	LIMITED WARRANTY provisions
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11 m 00		UN-DIS-	I I AGREE	SURVEY		nd agrees to	LEGAL TERMS: Customer hereby acknowledges and agrees to	LEGAL TERMS: Cus
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AMOUNT	UNIT	QTY. UM	QTY. UM		DESCRIPTION	ACCOUNTING C ACCT DF	SECONDARY REFERENCE/ PART NUMBER LOC	FFERENCE
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8% N Einh	while 145, 15 E	ŝ.	WELL FERMINING.		th	Deve	01	4.
	ORDER NO.		Loca Lion			Drilling	Ê	3.
OWNER	18-12	DATE	city Uhica	STATE		LEASE CHA		1. Noss City
	PAGE		ť		DE	CITY, STATE, ZIP CODE	ces, Inc.	Services,
ІСКЕТ 23471	TICKET				Palamine Petroleum Inc.	CHARGE TO: ADDRESS	NIFT	SWI

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			1		SWIFT	Serv	ices, Inc.		DATE 11-18-1	
Alom	ino Pet	roleum	WELL NO. # /		LEASE	i	JOB T Com	ent Siz Louoshi	TICKET NO.	·
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS T C	PRESSUR	E (PSI) CASING	-	DESCRIPTION OF OPERATI	<b>y</b>	
							ND 4360	LTO 4365'	TP 4360	3
							SJ #1 31.	06' P.C. top #62	17/4' set@	4360
							Tempolise, F	1/2 43 4 4 5 46 7	#8 # 10 cent #	61
							Bushet #2	*6)	51/2" 14	<del>FF</del>
							100 sks El	4-2 w/ 1/4 # Fle	rele	******
								MD w/ 1/4 # Floc		
	1900						on Loca	tion	*****	
									·····	
	2200						start 51/2	" 14th casing	in well	
	11-19-12									
	0010					····	Drop ball	l Circulate		
	01/2	63/4	12	1		300	Phymp 500	and Mudflush		
		63/4	20	1		30Ò	Pump 20	gal Mud Flush bbl KCL Flush	)	
							F		-	
			11-7				Plug RH	- mH	(30-20)	SMA
							<u> </u>		<u> </u>	<u> </u>
	0126	41/2	27	ľ		200	mix 25 ske	5 SM10 w/ 1/4 F	locele @ 1)	 K ran
		41/2	24	V		,70C)	m > 100.5 ks	EA-2 w/14	Flocele @ 15.	5 pp-1
							1- 1A			<u>s pro</u>
							wash out	Pinna + Lilas		
							Release	Pump + Line Latch Down	Dlua	
	0149	63/4	ø	V		ø	Shart Dis	alaccont		
			73	1		350		spincement		
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							**********	Thank You		
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PO Box 93999 Southlake, TX 76092

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

**Customer ID** 

Bill To: Palomino Petroleum, Inc. 4924 SE 84th St. Newton, KS 67114-8827

Palo Otha #1 Net 30 Days Job Location **Camp Location Service Date Due Date** Great Bend KS2-01 Nov 12, 2012 12/12/12 Quantity Item Description **Unit Price** Amount 165.00 MAT Class A Common 17.90 2,953.50 3.00 MAT Gel 23.40 70.20 6.00 MAT Chloride 64.00 384.00 178.24 SER Cubic Feet 2.48 442.03 260.16 SER Ton Mileage 2.60 676.41 1.00 SER Surface 1,512.25 1,512.25 32.00 SER Pump Truck Mileage 7.70 246.40 32.00 SER Light Vehicle Mileage 4.40 140.80 1.00 Dustin Chambers CEMENTER 1.00 EQUIP OPER Kevin Eddy 1.00 OPER ASSIST Kevin Weighous Subtotal 6,425.59 ALL PRICES ARE NET. PAYABLE Sales Tax 30 DAYS FOLLOWING DATE OF 231.72 INVOICE. 1 1/2% CHARGED Total Invoice Amount 6,657.31 THEREAFTER. IF ACCOUNT IS Payment/Credit Applied CURRENT, TAKE DISCOUNT OF TOTAL 6,657.31

\$1,606.39

ONLY IF PAID ON OR BEFORE Dec 7, 2012 Invoice Number: 133565 Invoice Date: Nov 12, 2012 Page: 1

**Payment Terms** 



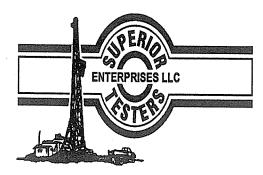


Well Name/# or Customer P.O.

RECEIVED DEC 0 3 2012

# ALLIED OIL & GAS SERVICES, LLC 053597 Federal Tax 1.D.# 20-5975804

DATE $f = 1242$ 12       12       12       14         LEASE $2540$ WELL#       LOCATION $Uty Co_2 ks$ $9KF$ OLD OR NEW (Circle one)       OWNER $9Kf dec$ OWNER         TYPE OF JOB $5466ec$ OWNER $11696ec$ OWNER         HOLE SIZE $12676ec$ OWNER $11696ec$ OWNER         HOLE SIZE $12676ec$ OWNER $11696ec$ OWNER         TYPE OF JOB $5466ec$ T.D.       CEMENT         CASING SIZE $12676ec$ AMOUNT ORDER       OWNER         TUBING SIZE       DEPTH $3726c^297c^27$ AMOUNT ORDER         DRILL PIPE $172^2 DEPTH$ $3726c^297c^27$ AMOUNT ORDER         DRILL PIPE $172^2 DEPTH$ $7726c^297c^27$ GEL         PERS. MAX       MINIMUM       COMMON       MAX         MEAS. LINE       SHOE JOINT       POZMIX       GEL         CEMENT LEFT IN CSG. $12679^2$ GeL       CHLORIDE         DISPLACEMENT $17323^2 65/2$ Gec       GEL         PUMP TRUCK       CEMENTER $01696cos 1^4/2$ Multingec         BULK TRUCK	ED 165 4 K5 61055A
LEASE $25 \frac{4}{3} \frac{1}{4}$ WELL#LOCATION $Utrco_{2} ks$ $4 N E$ OLD OR NEWXCircle one)CONTRACTOR $H 2$ $Dr/1/4$ $A.kg tt$ OWNERTYPE OF JOB $4 w Gace$ OWNEROWNERTYPE OF JOB $4 w Gace$ CEMENTHOLE SIZE $12.44$ T.D.CEMENTCASING SIZE $12.44$ DEPTH $222.434$ TUBING SIZEDEPTH $37a$ $247ac^{2}/4$ DRILL PIPE $4^{17}/2$ DEPTH $37a$ TOOLDEPTHDEPTHPRES. MAXMINIMUMCOMMONMEAS. LINESHOE JOINTPOZMIXCEMENT LEFT IN CSG. $126$ GELDISPLACEMENT $12366/4$ Gest for the for	$\frac{165}{6} = \frac{17.90}{384.9} = \frac{17.90}{384.9}$
TYPE OF JOB       4.97 (Jace	$\begin{array}{c} \text{ED} l \ b \ 5 \ 4 \ b \ 5 \ c \ b \ 5 \ c \ b \ 5 \ c \ c \ c \ c \ c \ c \ c \ c \ c$
CEMENT LEFT IN CSG. 19 fg.         GEL         PERFS.         DISPLACEMENT 1/3/23 6/13 freshtuarg         EQUIPMENT         PUMPTRUCK CEMENTER Dugtan Charles 1         PUMPTRUCK CEMENTER Dugtan Charles 1         # 366         HELPER Keytz Charles 1         # 366         HELPER Keytz Charles 1         BULK TRUCK         # 344-176         BULK TRUCK         BULK TRUCK         BULK TRUCK         BULK TRUCK         BULK TRUCK	<u>3</u> <u>6</u> <u>8</u> <u>8</u> <u>8</u> <u>8</u> <u>8</u> <u>8</u> <u>8</u> <u>8</u>
# 366 HELPER Kells Eddy 2 BULK TRUCK # 944-176 DRIVER berg weighous 3 BULK TRUCK	@
# DRIVER HANDLING <u>178</u> MILEAGE <u>S13</u>	@ @ @ @ @ @ @        
REMARKS: <u>Brock of culum in while Roberts with</u> <u>parp 56615 Fress ward Roberts</u> <u>May 1654K5 class A 300 25000000000000000000000000000000000</u>	$b \qquad \text{TOTAL } \underline{Y.524.12}$ SERVICE $222$ ARGE $1.572.25$ $3 \qquad @ \\ \underline{0} \qquad \underline{0}$
CHARGE TO: <u>Palontas Petro leun</u> STREET	@ TOTAL <u>/. જ ۶۶, ۲۲</u> IG & FLOAT EQUIPMENT
To: Allied Oil & Gas Services, 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	$ \begin{array}{c}                                     $



## DRILL STEM TEST REPORT

Prepared For:

### Palomino Petroleum

4924 South East 84th Street Newton ,Kansas 67114

ATTN: Kevin Bailey

#### Otha #1

## 7-15s-25w Trego

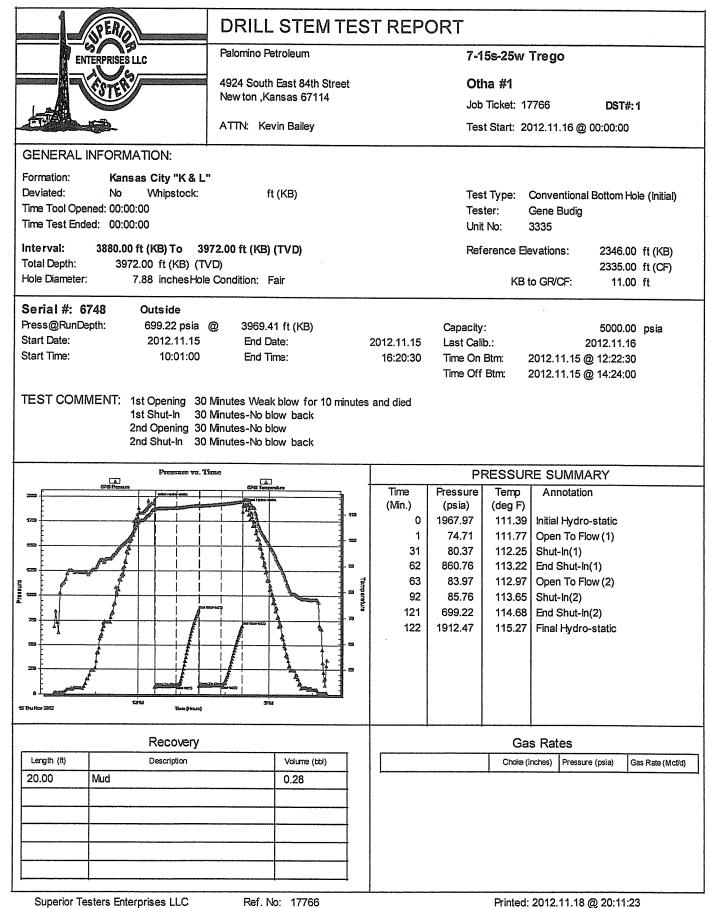
Start Date:	2012.11.16 @	00:00:00	
End Date:	2012.11.16 @	00:00:00	
Job Ticket #:	17766	DST #:	1

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

Printed: 2012.11.18 @ 20:11:23

SPERIO	DRILL STEM T	EST REP	ORT				
ENTERPRISES LLC	Palomino Petroleum		7-15	s-25w Tr	ego	••••••	***************************************
COTER!	4924 South East 84th Street New ton ,Kansas 67114		<b>Otha</b> Job T	a <b>#1</b> īcket: 1776	66	DST	¥: 1
	ATTN: Kevin Bailey		Test	Start: 2012	2.11.16 @ (	00:00:00	)
GENERAL INFORMATION:							
Formation: Kansas City "K & L Deviated: No Whipstock: Fime Tool Opened: 00:00:00 Fime Test Ended: 00:00:00	" ft (KB)		Test Teste Unit N	er: Ge	nventional l ne Budig 35	Bottom I	-lole (Initial)
nterval: 3880.00 ft (KB) To 3 Fotal Depth: 3972.00 ft (KB) (T Hole Diameter: 7.88 inchesHol			Refer	rence Eleva KB to t	ations: GR/CF:	2335.0	00 ft(KB) 00 ft(CF) 00 ft
Serial #: 6839         Inside           Press@RunDepth:         695.72 psia           Start Date:         2012.11.15           Start Time:         10:01:00           EST COMMENT:         1st Opening         30	End Date: End Time:	2012.11.15 16:19:30 utes and died	Capacity: Last Calib. Time On B Time Off B	tm: 20	20 12.11.15 @ 12.11.15 @	012.11. <sup>-</sup> 2 12:22:3	30
2nd Shut-In 30		Time (Min.) 0 1 32 61 1 1 62 92 92 92 120 121	Pressure	Temp           (deg F)           111.90           111.67           112.33           113.02           112.83           113.33           113.33           114.15	nd Shut-In( Open To Flo	static w (1) 1) w (2) 2)	
Length (ft) Description 20.00 Mud	Volume (bb/) 0.28	•		Gas Choke (inch	Rates es) Pressure	(psia)	Gas Rate (Mct/d)

Superior Testers Enterprises LLC Ref. No: 17766



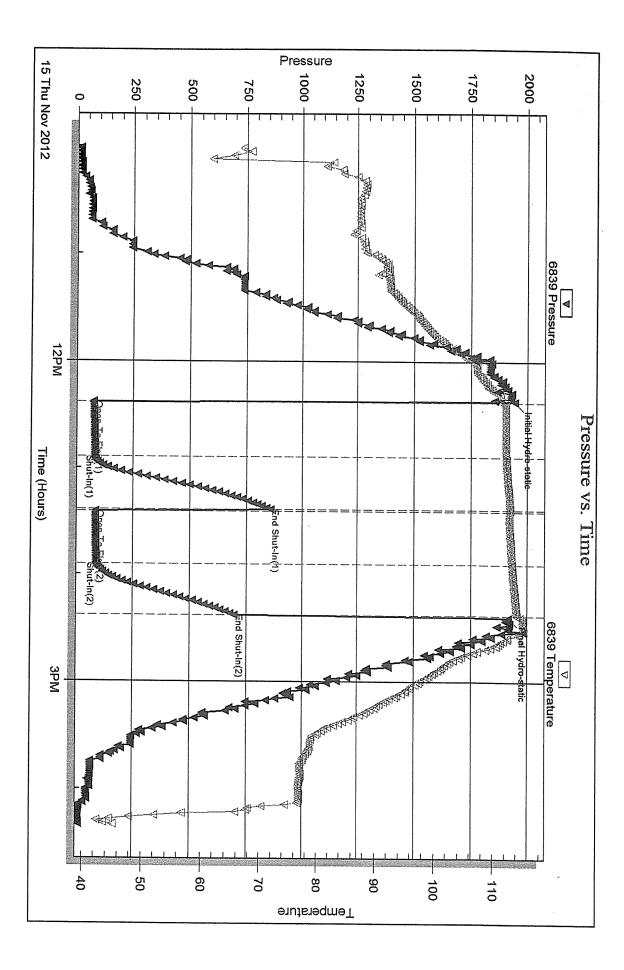
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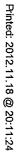
SPERIO		DRI	LL ST	EM TEST	Γ REPOP	RT	TOOL DIAGE
ENTERPRISES L	LC	Palomin	o Petroleur	n		7-15s-25w Trego	
LESTERS	/	1	outh East 8 1 ,Kansas 6			Otha #1	
			I francis -	711**		Job Ticket: 17766	DST#:1
		ATTN:	Kevin Bail	эу		Test Start: 2012.11.16 (	@ 00:00:00
Tool Information			<u></u>		· · · · · · · · · · · · · · · · · · ·	••••••••••••••••••••••••••••••••••••••	
Drill Pipe: Length:	: 3880.00 ft	Diameter:	3.80	inches Volume:	54.43 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe: Length:				inches Volume:			
Drill Collar: Length:	0.00 ft	Diameter:	0.00	inches Volume:		thoight out off 1 dones	
Drill Pipe Above KB:	20.00.64			Total Volume:			0.00 ft
Depth to Top Packer:	29.00 ft 3880.00 ft					String Weight: Initial	62000.00 lb
Depth to Bottom Packer:	3060.00 ft					Final	62000.00 lb
Interval between Packers							
Tool Length:	121.41 ft						
Number of Packers:	2	Diameter:	6.75	inches			
Tool Comments:							
Tool Description	Ler	ngth (ft)	Serial No.	Position		Accum. Lengths	
Change Over Sub	Ler	1.00	Serial No.	Position	3852.00	Accum. Lengths	
Change Over Sub Shut-In Tool	Ler	1.00 5.00	Serial No.	Position	3852.00 3857.00	Accum. Lengths	
Change Over Sub Shut-In Tool Hydroic Tool	Ler	1.00 5.00 5.00	Serial No.	Position	3852.00 3857.00 3862.00	Accum. Lengths	
Change Over Sub Shut-In Tool Hydroic Tool Jars	Ler	1.00 5.00 5.00 6.00	Serial No.	Position	3852.00 3857.00 3862.00 3868.00	Accum. Lengths	
Change Over Sub Shut-In Tool Hydroic Tool Jars Safety Joint	Ler	1.00 5.00 5.00 6.00 2.00	Serial No.	Position	3852.00 3857.00 3862.00	Accum. Lengths	
Change Over Sub Shut-In Tool Hydroic Tool Jars Safety Joint Packer	Ler	1.00 5.00 5.00 6.00 2.00 5.00	Serial No.	Position	3852.00 3857.00 3862.00 3868.00 3870.00 3875.00	Accum. Lengths 29.00	Bottom Of Top Pack
Change Over Sub Shut-In Tool Hydroic Tool Jars Safety Joint Packer Packer	Ler	1.00 5.00 5.00 6.00 2.00 5.00 5.00	Serial No.	Position	3852.00 3857.00 3862.00 3868.00 3870.00		Bottom Of Top Pack
Change Over Sub Shut-In Tool Hydroic Tool Jars Safety Joint Packer Packer Perforations	Ler	1.00 5.00 5.00 6.00 2.00 5.00 5.00 2.00	Serial No.	Position	3852.00 3857.00 3862.00 3868.00 3870.00 3875.00		Bottom Of Top Pack
Change Over Sub Shut-In Tool Hydroic Tool Jars Safety Joint Packer Packer Packer Perforations Change Over Sub		1.00 5.00 5.00 6.00 2.00 5.00 5.00 2.00 0.75	Serial No.	Position	3852.00 3857.00 3862.00 3868.00 3870.00 3875.00 3880.00		Bottom Of Top Pack
Change Over Sub Shut-In Tool Hydroic Tool Jars Safety Joint Packer Packer Perforations Change Over Sub Drill Pipe		1.00 5.00 5.00 2.00 5.00 5.00 2.00 0.75 62.91	Serial No.	Position	3852.00 3857.00 3862.00 3868.00 3870.00 3875.00 3880.00 3882.00		Bottom Of Top Pack
Change Over Sub Shut-In Tool Hydroic Tool Jars Safety Joint Packer Packer Packer Perforations Change Over Sub Drill Pipe Change Over Sub		1.00 5.00 5.00 2.00 5.00 5.00 2.00 0.75	Serial No.	Position	3852.00 3857.00 3862.00 3868.00 3870.00 3875.00 3880.00 3882.00 3882.75		Bottom Of Top Pack
Change Over Sub Shut-In Tool Hydroic Tool Jars Safety Joint Packer Packer Packer Perforations Change Over Sub Drill Pipe Change Over Sub Perforations		1.00 5.00 5.00 2.00 5.00 5.00 2.00 0.75 62.91	Serial No.	Position	3852.00 3857.00 3862.00 3868.00 3870.00 3875.00 3880.00 3882.00 3882.75 3945.66		Bottom Of Top Pack
Change Over Sub Shut-In Tool Hydroic Tool Jars Safety Joint Packer Packer Perforations Change Over Sub Drill Pipe Change Over Sub Perforations Recorder		1.00 5.00 5.00 6.00 2.00 5.00 5.00 2.00 0.75 62.91 0.75	Serial No.	Position	3852.00 3857.00 3862.00 3868.00 3870.00 3875.00 3880.00 3882.00 3882.75 3945.66 3946.41		Bottom Of Top Pack
Change Over Sub Shut-In Tool Hydroic Tool Jars Safety Joint Packer Packer Perforations Change Over Sub Drill Pipe Change Over Sub Perforations Recorder Recorder		1.00 5.00 5.00 2.00 5.00 5.00 2.00 0.75 62.91 0.75 21.00			3852.00 3857.00 3862.00 3868.00 3870.00 3875.00 3880.00 3882.00 3882.75 3945.66 3946.41 3967.41		Bottom Of Top Pack
Change Over Sub Shut-In Tool Hydroic Tool Jars Safety Joint Packer Packer Perforations Change Over Sub Drill Pipe Change Over Sub Perforations Recorder		1.00 5.00 5.00 2.00 5.00 5.00 2.00 0.75 62.91 0.75 21.00 1.00	6839	Inside	3852.00 3857.00 3862.00 3868.00 3870.00 3875.00 3880.00 3882.00 3882.75 3945.66 3946.41 3967.41 3968.41	29.00	
Change Over Sub Shut-In Tool Hydroic Tool Jars Safety Joint Packer Packer Perforations Change Over Sub Drill Pipe Change Over Sub Perforations Recorder Recorder		1.00 5.00 5.00 2.00 5.00 2.00 0.75 62.91 0.75 21.00 1.00	6839	Inside	3852.00 3857.00 3862.00 3868.00 3870.00 3875.00 3880.00 3882.00 3882.75 3945.66 3946.41 3967.41 3968.41 3969.41	29.00	Bottom Of Top Pack

PERIO		DRILL	STEM TEST	REPOR	Г		FLUID SUMMAR
ENTERPRISES LLC	-	Palomino Petr	roleum		7-15s-25w		
COTERS		4924 South E New ton, Kan	ast 84th Street		Otha #1	-	
		ATTN: Kevi			Job Ticket:		DST#:1
					Test Start: 2	2012.11.16 @ 00	):00:00
Mud and Cushion Inf	ormation						
Mud Type: Gel Chem Mud Weight: 9.00	b/aal		Cushion Type: Cushion Length:		ft	Oil API:	deg API
Viscosity: 46.00			Cushion Volume:		bbl	Water Salinity:	ppm
Water Loss: 6.79	in <sup>3</sup>		Gas Cushion Type:				
· ·	ohm.m		Gas Cushion Press	ure:	psia		
Salinity: 1800.00   Filter Cake: 1.00 i	ppm inches						
Recovery Information	1		······································				
	_		Recovery Table				
	Length ft		Description		Volume bbl	]	
		20.00 Mud			0.28	1	
To	tal Length:	20.00 ft	Total Volume:	0.281 bbl		-	•
	m Fluid Sample		Num Gas Bombs	: 0	Serial #	:	
	boratory Name:		Laboratory Loca	tion:			
Ke	covery Comme	nts:					
			47700		<u> </u>		
Superior Testers Enterpr	ises LLC	Ref. No:	17766		Printec	l: 2012.11.18 @	20:11:24

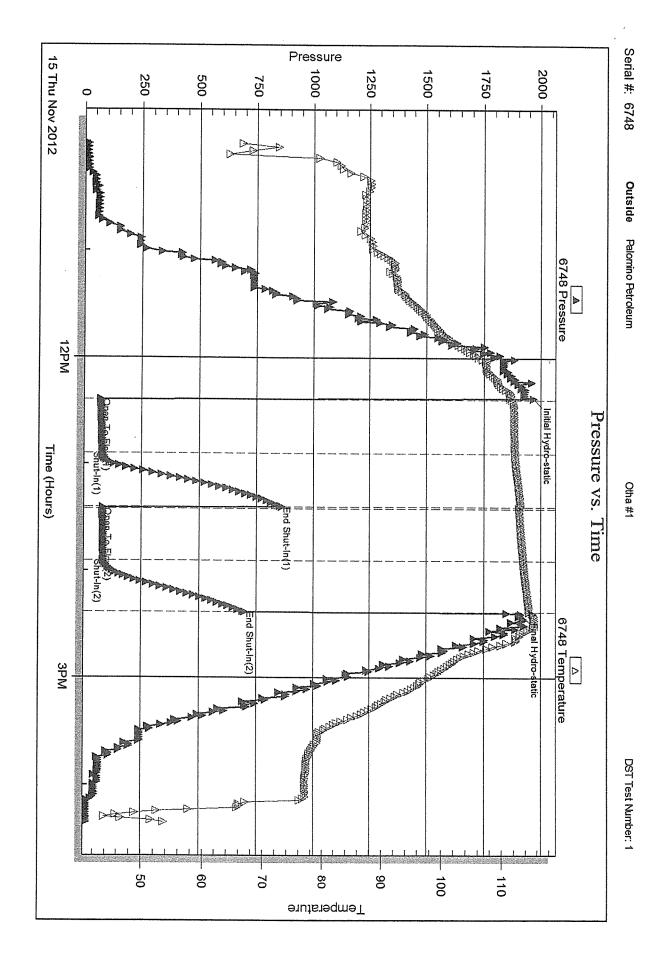
Superior Testers Enterprises LLC Ref. No: 17766

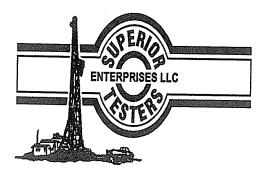
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Superior Testers Enterprises LLC Ref. No: 17766





## DRILL STEM TEST REPORT

Prepared For:

Palomino Petroleum

4924 South East 84th Street Newton ,Kansas 67114

ATTN: Kevin Bailey

### Otha #1

## 7-15s-25w Trego

Start Date:	2012.11.17 @	@ 00:00:00	
End Date:	2012.11.17 @	@ 00:00:00	
Job Ticket #:	17767	DST #:	2

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

	DRILL STEM TES			05 7	0.000		<u></u>
ENTERPRISES LLC	alomino Petroleum			-25w Tr	ego		
	924 South East 84th Street lewton ,Kansas 67114		<b>Otha</b> Job Tie	# <b>1</b> cket: 1776	67	DST#::	2
A	TTN: Kevin Bailey		Test S	Start: 2012	2.11.17 @	00:00:00	
GENERAL INFORMATION:							
Formation: Cherokee & Mississi Deviated: No Whipstock: Time Tool Opened: 00:00:00 Time Test Ended: 00:00:00	p ft (KB)		Test T Teste Unit N	r: Ge lo: 33	ene Budig 335	I Bottom Ho	
nterval:         4190.00 ft (KB) To         4356.           Fotal Depth:         4356.00 ft (KB) (TVD)         4356.00 ft (KB) (TVD)           Hole Diameter:         7.88 inchesHole Ca			Refer	ence Elev KB to	ations: GR/CF:		) ft (KB) ) ft (CF) ) ft
Serial #: 6839         Inside           Press@RunDepth:         85.72 psia @           Start Date:         2012.11.17           Start Time:         06:01:00	4252.38 ft (KB) End Date: End Time:	2012.11.17 11:39:00	Capacity: Last Calib. Time On B Time Off B	stm: 24	012.11.17	5000.00 2012.11.13 @ 07:58:00 @ 09:59:36	ז' ס
2nd Opening 30 M	inutes-No blow backd	s and died					
Pressare vs. Thu [V] (23) Pressare	C T 1533 Temperatura				E SUMM		
223 CERTIFICATION OF A CERTIFICA			Pressure (psia) 2094.72 71.27 73.31 98.06 74.96 74.88 85.72 2084.98	118.93	Initial Hyd Open To Shut-In(1 End Shut Open To Shut-In(2 End Shut	ro-static Flow (1) ) -In(1) Flow (2) ) -In(2)	
Recovery				Ga	as Rates		
Length (ft) Description 20.00 Drtilling Mud	Volume (bb) 0.10			Choke	(inches) Pre	ssure (psia)	Gas Rate (Mct/d
					1: 2012.11	40 @ 00:4	4:20

	Palomino Petroleum					· · · · · · · · · · · · · · · · · · ·	
ENTERPRISES LLC			7-'	15s-25w	Trego		
COTER	4924 South East 84th Street New ton ,Kansas 67114			<b>ha #1</b> Ticket: 1	17707		
	ATTN: Kevin Bailey				2012.11.17 @	DST#:2	
GENERAL INFORMATION:						, 00.00.00	
Formation: Cherokee & Miss i Deviated: No Whipstock: Time Tool Opened: 00:00:00 Time Test Ended: 00:00:00	ft (KB)		Tes	st Type: ster: t No:	Conventiona Gene Budig 3335	al Bottom Hole	(Initial)
nterval:         4190.00 ft (KB) To         4.           Fotal Depth:         4356.00 ft (KB) (T         4.           Hole Diameter:         7.88 inches Hol         1.			Ref	erence E	levations: to GR/CF:	2346.00 f 2335.00 f 11.00 f	ft (CF)
2nd Opening 30	End Date: End Time:	2012.11.17 11:44:30 s and died	Capacity Last Cali Time On Time Off	b.: Btm:	2012.11.17 ( 2012.11.17 (		psia
Pressare vs. T	ime Galerentes				RE SUMM	ARY	
		Time (Min.) 0 1 31 63 63 92 121 122	Pressure (psia) 2087.36 71.93 73.76 99.32 74.83 75.71 86.64 2090.24	117.23 119.38 120.08 120.08	Shut-In(1) End Shut-In Open To Fid Shut-In(2) End Shut-In	static ow (1) (1) ow (2) (2)	
Recovery Length (ft) Description		4   	<b>.</b>	·	s Rates		
20.00 Drtilling Mud	Volume (bbl) 0.10			Choke (ii	nches) Pressure	ə (psia) Gas F	Rate (Mcf/d

CARLES TO D

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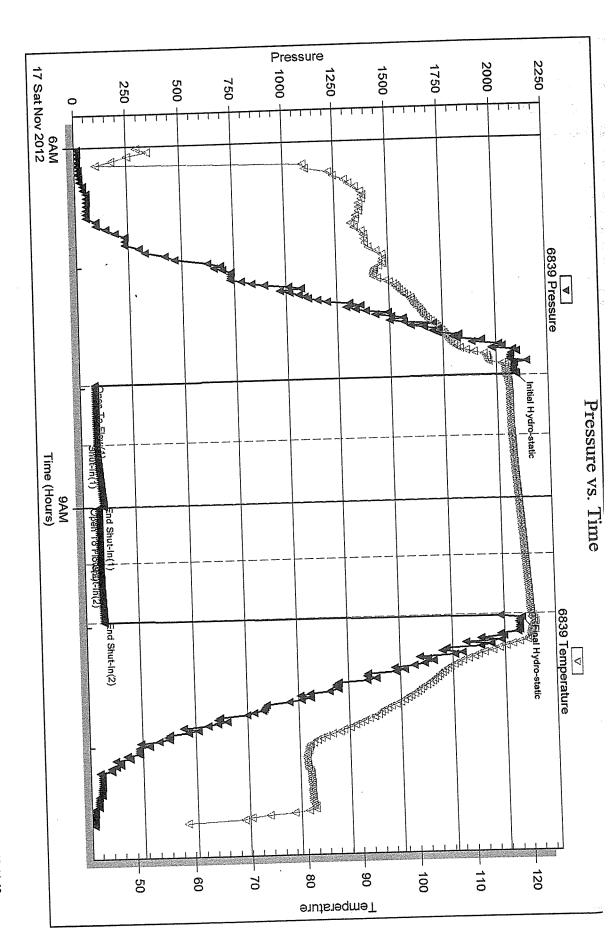
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4	alomino Pel	troleum				
N					7-15s-25w Trego	
N	ava South	East 84th S	street		Otha #1	
		ansas 67114			Job Ticket: 17767	DST#:2
A	TTN: Kev	vin Bailey			Test Start: 2012.11.17 @	00:00:00
				53.65 bbl	Tool Weight:	2000.00 lb 20000.00 lb
0.00 ft Dia	meter:				Weight set on Factor.	74000.00 lb
366.00 ft Dia	meter:			and the second	_	0.00 ft
20 00 ft		יר	otal Volume:	55.45 DUI		65000.00 lb
190.00 ft					Final	65000.00 lb
ft						
66.38 ft						
95.38 ft						
	ameter:	6.75 inc	hes			
		erial No.	Position		Accum. Lengths	****
					20 00	Bottom Of Top
					23.00	
	0.75					
	0.75					
2	26.00					
	1.00	6839	Inside	4252.38		
		6748	Outside	4253.38		
	1.00	0/40			CC 20	Cottom Dankers &
	1.00 3.00		<u></u>	4256.38	66.38	Bottom Packers &
3	0.00 ft Dia 366.00 ft Dia 30.00 ft 190.00 ft ft 66.38 ft 95.38 ft 2 Dia Lengt 1 5 6 2 1 5 6 3	30.00 ft 190.00 ft ft 66.38 ft 95.38 ft 2 Diameter: Length (ft) Se 1.00 5.00 6.00 2.00 5.00 5.00 5.00 2.00 5.00 2.00 0.75 31.88 0.75	0.00 ft Diameter: 2.76 inch 366.00 ft Diameter: 2.25 inch 30.00 ft 190.00 ft ft 66.38 ft 95.38 ft 2 Diameter: 6.75 incl Length (ft) Serial No. 1.00 5.00 6.00 2.00 5.0	0.00 ft Diameter: 2.76 inches Volume: 366.00 ft Diameter: 2.25 inches Volume: 30.00 ft 190.00 ft ft 66.38 ft 95.38 ft 2 Diameter: 6.75 inches Length (ft) Serial No. Position 1.00 5.00 6.00 2.00 5.00 5.00 5.00 2.00 5.00 5.00 5.00 2.00 5.0	Length (ft)         Serial No.         Position         Depth (ft)         ////////////////////////////////////	Length (ft)         Serial No.         Position         Depth (ft)         Accum. Lengths           1.00         4162.00         4162.00         5.00         4162.00           5.00         4162.00         4162.00         5.00         4162.00           5.00         4162.00         4162.00         5.00         4162.00           5.00         4162.00         4162.00         5.00         4162.00           5.00         4162.00         4162.00         5.00         4162.00           5.00         4162.00         4162.00         5.00         4162.00           5.00         4162.00         4162.00         5.00         4162.00           5.00         4162.00         4162.00         4162.00         5.00         4162.00           5.00         4162.00

RERI		DR	ILL S	TEM TEST	REPOR	Г		FLUID S	UMMAR
ENTERPRISES		Palomi	no Petrole	um		7-15s-25w	Trego		
- CSTER	WIE!		4924 South East 84th Street New ton ,Kansas 67114			Otha #1			
						Job Ticket:	17767	DST#: 2	
			Kevin B	ailey		Test Start: 2012.11.17 @ 00:00:0			
Mud and Cushion	Information	<u> </u>							
Mud Type: Gel Chem			c	Sushion Type:			Oil API:		deg API
Mud Weight: 9	.00 lb/gal			Sushion Length:		ft	Water Salinity:		ppm
Viscosity: 48	.00 sec/qt		C	ushion Volume:		bbl			P.P.1.
Water Loss: 6	.19 in³		G	Sas Cushion Type:					
Resistivity:	ohm.m		Ģ	as Cushion Pressu	re:	psia			
Salinity: 2200	.00 ppm								
Filter Cake: 1	.00 inches								
Recovery Information	tion								
			F	Recovery Table					
	Leng ft	th		Description		Volume bbl		8	
,		20.00	Drtilling I	/lud		0.098	3		
	Total Length:	20	.00 ft	Total Volume:	0.098 bbl				
	Num Fluid Samp Laboratory Nan Recovery Comr	ne:		Num Gas Bombs: Laboratory Locat		Serial #	:		

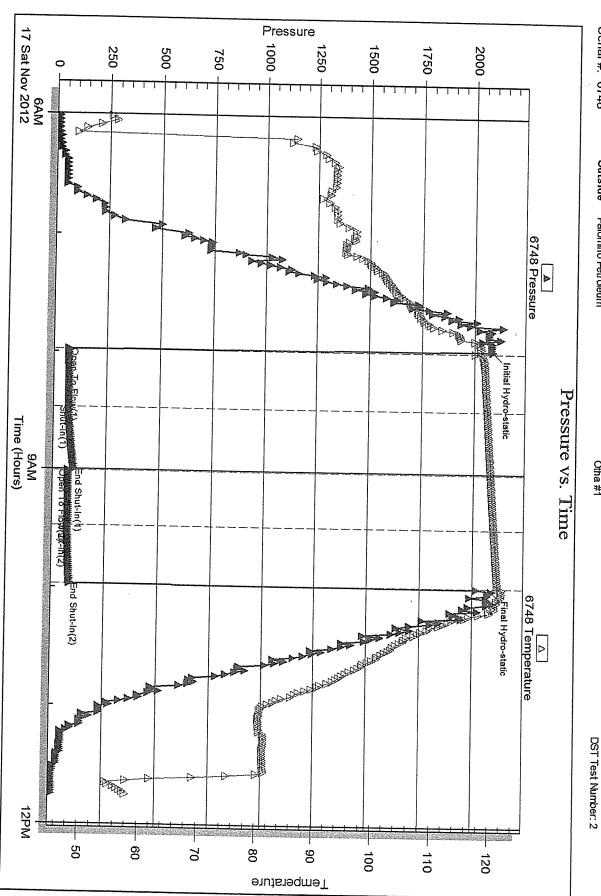
Superior Testers Enterprises LLC Ref. No: 17767

Printed: 2012.11.18 @ 20:11:40





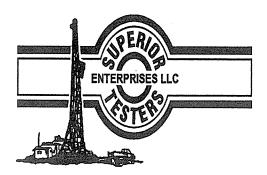
Superior Testers Enterprises LLC Ref. No: 17767



Serial #: 6748

Outside Palomino Petroleum

Otha #1



## **DRILL STEM TEST REPORT**

#### Prepared For: Palomino Petroleum

4924 South East 84th Street Newton ,Kansas 67114

ATTN: Kevin Bailey

### Otha #1

## 7-15s-25w Trego

Start Date:	2012.11.17 (	@ 00:00:00	
End Date:	2012.11.17 @	@ 00:00:00	
Job Ticket #:	17768	DST #:	3

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

	DRILL STEM TES	CT.	REPOI	 RT			
SPERIO					-25w Tre		
ENTERPRISES LLC	Palomino Petroleum					։ցս	
- A COTER	4924 South East 84th Street			Otha			
A WIL	New ton ,Kansas 67114				cket: 1776		3
-	ATTN: Kevin Bailey			Test S	tart: 2012	2.11.17 @ 00:00:00	·····
GENERAL INFORMATION:			<u></u>				
							<u>-</u>
Formation: Mississippi Deviated: No Whipstock:	ft (KB)			Test T		onventional Bottom H ene Budig	ole (Initial)
Time Tool Opened: 00:00:00				Tester Unit N		-	
Time Test Ended: 00:00:00					rence Eleva		00 ft (KB)
Interval: 4256.00 ft (KB) To 4				Nores.			00 ft (CF)
Total Depth:4271.00 ft (KB) (THole Diameter:7.88 inchesHo	IVD) ole Condition: Fair				KB to	GR/CF: 11.0	00 ft
						<u>.</u>	
Serial #: 6839 Inside Press@RunDepth: 1251.90 psia	a @ 4267.00 ft (KB)			Capacity:			00 psia
Press@RunDepth: 1251.90 psia Start Date: 2012.11.18	•		012.11.18	Last Calib.	.:	2012.11.1	
Start Time: 06:16:00			13:04:00	Time On B Time Off B		012.11.18 @ 08:09:3 012.11.18 @ 10:41:3	
	30 Minutes-Weak building blow bu	uilt to f	the bottom of	f a 5 gallon I	oucekt in 2	21 minutes	
dat Chut In	30 Minutes-No blow back						
2nd Opening 2nd Shut-In	30 Minutes-Weak building blow bi	UILI	the sector	1000			
		<del></del>		PF		E SUMMARY	
Pressure va [7] 633 Resure		- +	Time	Pressure	Temp	Annotation	
223 CEED Pressure Visite Pressure Visite Pressure Visite Pressure Visite Pressure Visite Pressure Visite Pressure			(Min.)	(psia)	(deg F)		
		123	0	2108.48 45.87	1		
		119	1 32	45.87 108.14			
		. 📾 📗	63	1246.36	122.37	End Shut-In(1)	
		Temperat	64	117.49	122.14		
		5	93 150	163.87 1251.90	124.70 126.98	1	
		- 29	150	2101.26	126.53		
		- 79			1		
530	Y Y	- 63	1	1 1	1 '		
		- 53	l I	1			
	ten			1			
10 D.n Nor 2012 Time (*	24]			ļ	<u> </u>	<u></u>	
Recove						as Rates	
Length (ft) Description		-  I	L		Choke	(inches) Pressure (psia)	Gas Rate (Mct/d)
0.00 225 feet of gas in the		4					
350.00 Clean Gassy Oil	1.72	4					
0.00 15%Gas 85%oil	0.00	4					
0.00 Gravity 42 Corrected		+					
25.00 Muddy Gassy Oil	0.20 5%oil 0.00	4					
0.00 15%Gas 40%Mud 45	3%0il 0.00						
Superior Testers Enterprises LLC	C Ref. No: 17768				Printed	d: 2012.11.18 @ 20:	11:54

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JPEA		DRILL STEM TE	ST REP	ORT				
ENTERPRIS	ESLLC	Palomino Petroleum		7-1	15s-25w	Trego		
		4924 South East 84th Street		Ot	ha #1			
		Newton, Kansas 67114		Job	Ticket: 1	7768	DST#:3	<b>}</b> .
		ATTN: Kevin Bailey		Tes	st Start: 2	012.11.17 @	00:00:00	
GENERAL INFOR	RMATION:							
Formation: M Deviated: Nk Time Tool Opened: 00 Time Test Ended: 00	0:00:00	ft (KB)		Tes	ster:	Conventiona Gene Budig 3335	Il Bottom Hol	e (Initial)
	.00 ft (KB) To 4271 1271.00 ft (KB) (TVD 7.88 inchesHole C	))		Ref	erence Ele	levations: to GR/CF:	2346.00 2335.00 11.00	ft (CF)
Serial #: 6748 Press@RunDepth: Start Date: Start Time:	Outside 1253.63 psia @ 2012.11.18 06:16:00	e 4268.00 ft (KB) End Date: End Time: /inutes-Weak building blow buil	2012.11.18 13:04:30	Capacity Last Cali Time On Time Off	ib.: Btm: Btm:	2012.11.18 ( 2012.11.18 (	-	psia
	2nd Opening 30 N	/inutes-No blow back /inutes-Weak building blow buit inutes-No blow back	to the bottom	of a 5 gallor	n bucket in	126 minutes		
	Pressare vs. Time		1	P	RESSUE	RE SUMM	ARY	
229 CPG H			Time (Min.)	Pl Pressure (psia)	Temp	RE SUMMA		
		Die Tempenders Colores and a second	(Min.) 0 1 33 63	Pressure (psia) 2103.94 45.55 108.58 1246.94	Temp (deg F) 110.81 111.60 117.41 119.62	Annotatio Initial Hydro Open To Fle Shut-In(1) End Shut-In	o-static ow (1) n(1)	
		Crist Temperature Crist Tempera	(Min.) 0 1 33	Pressure (psia) 2103.94 45.55 108.58	Temp (deg F) 110.81 111.60 117.41 119.62	Annotatio Initial Hydro Open To Fla Shut-In(1) End Shut-In Open To Fla Shut-In(2) End Shut-In	on o-static ow (1) n(1) ow (2) n(2)	
		CO Toponario CO	(Min.) 0 1 33 63 64 94 151	Pressure (psia) 2103.94 45.55 108.58 1246.94 117.55 164.47 1253.63	Temp (deg F) 110.81 111.60 117.41 119.62 119.27 120.84 124.17	Annotatio Initial Hydro Open To Fla Shut-In(1) End Shut-In Open To Fla Shut-In(2) End Shut-In	on o-static ow (1) n(1) ow (2) n(2)	
			(Min.) 0 1 33 63 64 94 151	Pressure (psia) 2103.94 45.55 108.58 1246.94 117.55 164.47 1253.63	Temp (deg F) 110.81 111.60 117.41 119.62 119.27 120.84 124.17 126.10	Annotatio Initial Hydro Open To Fla Shut-In(1) End Shut-In Open To Fla Shut-In(2) End Shut-In	on o-static ow (1) n(1) ow (2) n(2)	
223 223 223 223 223 223 223 223	Recovery Description		(Min.) 0 1 33 63 64 94 151	Pressure (psia) 2103.94 45.55 108.58 1246.94 117.55 164.47 1253.63	Temp (deg F) 110.81 111.60 117.41 119.62 119.27 120.84 124.17 126.10	Annotatio Initial Hydro Open To Fit Shut-In(1) End Shut-In Open To Fit Shut-In(2) End Shut-In Final Hydro	n o-static ow (1) n(1) ow (2) n(2) o-static	s Rate (Mct/d)
223 233 233 233 233 233 233 233	Recovery Description et of gas in the pipe	Cried Temperature Cried Tempera	(Min.) 0 1 33 63 64 94 151	Pressure (psia) 2103.94 45.55 108.58 1246.94 117.55 164.47 1253.63	Temp (deg F) 110.81 111.60 117.41 119.62 119.27 120.84 124.17 126.10	Annotatio Initial Hydro Open To Fit Shut-In(1) End Shut-In Open To Fit Shut-In(2) End Shut-In Final Hydro	n o-static ow (1) n(1) ow (2) n(2) o-static	s Rate (Mct/d)
223 223 223 223 224 224 225 225 225 225 225 225	Recovery Description et of gas in the pipe Gassy Oil	United State         100	(Min.) 0 1 33 63 64 94 151	Pressure (psia) 2103.94 45.55 108.58 1246.94 117.55 164.47 1253.63	Temp (deg F) 110.81 111.60 117.41 119.62 119.27 120.84 124.17 126.10	Annotatio Initial Hydro Open To Fit Shut-In(1) End Shut-In Open To Fit Shut-In(2) End Shut-In Final Hydro	n o-static ow (1) n(1) ow (2) n(2) o-static	s Rate (M <i>ctio</i> )
223 233 233 233 233 233 233 233	Recovery Description et of gas in the pipe Gassy Oil as 85% oil	Unit intervention         100           Unit interventin         100	(Min.) 0 1 33 63 64 94 151	Pressure (psia) 2103.94 45.55 108.58 1246.94 117.55 164.47 1253.63	Temp (deg F) 110.81 111.60 117.41 119.62 119.27 120.84 124.17 126.10	Annotatio Initial Hydro Open To Fit Shut-In(1) End Shut-In Open To Fit Shut-In(2) End Shut-In Final Hydro	n o-static ow (1) n(1) ow (2) n(2) o-static	s Rate (Mct/d)
225 fe 350.00 Clean 0.00 15%G 0.00 Gravity	Recovery Description et of gas in the pipe Gassy Oil as 85%oil y 42 Corrected	Unit         Volume (bb)           0.00         1.72           0.00         0.00	(Min.) 0 1 33 63 64 94 151	Pressure (psia) 2103.94 45.55 108.58 1246.94 117.55 164.47 1253.63	Temp (deg F) 110.81 111.60 117.41 119.62 119.27 120.84 124.17 126.10	Annotatio Initial Hydro Open To Fit Shut-In(1) End Shut-In Open To Fit Shut-In(2) End Shut-In Final Hydro	n o-static ow (1) n(1) ow (2) n(2) o-static	s Rate (Mct/d)
225 fe 350.00 Clean 0.00 15%G 0.00 Gravity 25.00 Muddy	Recovery Description et of gas in the pipe Gassy Oil as 85% oil	Unit intervention         100           Unit interventin         100	(Min.) 0 1 33 63 64 94 151	Pressure (psia) 2103.94 45.55 108.58 1246.94 117.55 164.47 1253.63	Temp (deg F) 110.81 111.60 117.41 119.62 119.27 120.84 124.17 126.10	Annotatio Initial Hydro Open To Fit Shut-In(1) End Shut-In Open To Fit Shut-In(2) End Shut-In Final Hydro	n o-static ow (1) n(1) ow (2) n(2) o-static	s Rate (Mct/d)

Superior Testers Enterprises LLC

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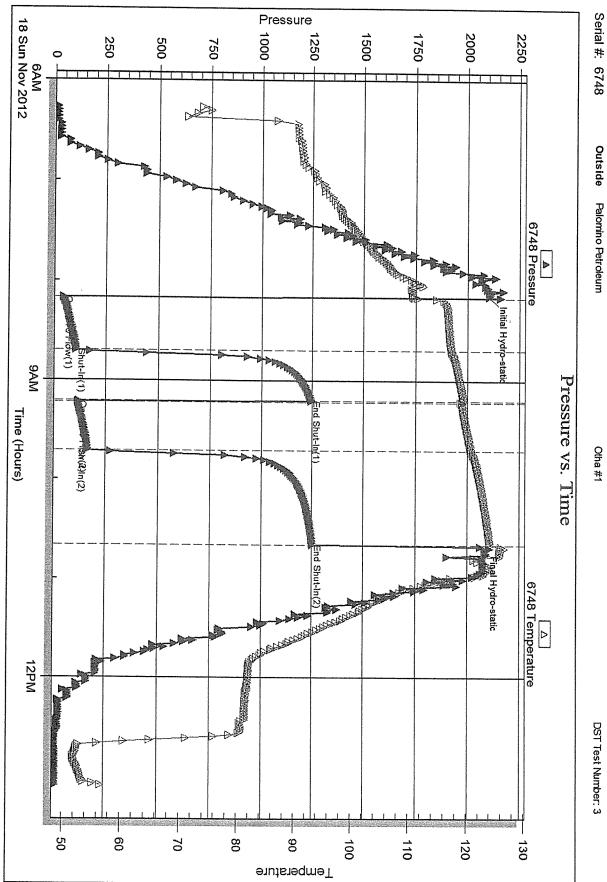
1 AED		DRILL	. STEM	TEST F	REPOR	Г	TOOL DIAGR
		Palomino F				7-15s-25w Trego	
ENTERPRISES LLC		4004 Sout	h East 84th S	treet		Otha #1	
- CSTER		Newton,	(ansas 67114			Job Ticket: 17768	DST#:3
			evin Bailey			Test Start: 2012.11.17 @	00:00:00
		<u> </u>					
ool Information	3898.00 ft	Diameter:	3.80 inch	es Volume:	54.68 bbl	Tool Weight:	2000.00 lb
III ripe.	0.00 ft	Diameter:	2.76 inch	ies Volume:	0.00 bbl	Weight set on Packer: Weight to Pull Loose:	75000.00 lb
eavy Wt. Pipe: Length: rill Collar: Length:	366.00 ft		2.25 inch	nes Volume:	1.80 bbl	Tool Chased	0.00 ft
			T	otal Volume:	56.48 bbl	String Weight: Initial	65000.00 lb
rill Pipe Above KB:	29.00 ft					Final	65000.00 lb
epth to Top Packer:	4256.00 ft						
epth to Bottom Packer:	ft 15.00 ft						
nterval between Packers:	36.00 ft						
fool Length:	2	Diameter:	6.75 inc	hes			
Number of Packers:	-						
Fool Comments:							
	1	ength (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Tool Description		1.00			4236.00		
Change Over Sub		5.00			4241.00		
Shut-In Tool		5.00			4246.00		
Hydroic Tool		5.00			4251.00	21.00	Bottom Of Top
Packer		5.00			4256.00		
Packer					4266.00		
Perforations		10.00	6839	Inside	4267.00		
Recorder		1.00	6748	Outside	4268.00		
Recorder		1.00	0/40	0410.20	4271.00	15.00	Bottom Packers & A
Bulinose		3.00	_				
Total To	ool Length	: 36.0	)				

Mud Weight:         9.00 lb/gal         Cushion Length:         ft         Water Salinity:         ppm           Viscosity:         48.00 sec/qt         Cushion Volume:         bbl         bbl         vater Loss:         6.20 in*         Gas Cushion Type:         sbl         vater Loss:         obl         vater Loss:         obl         vater Loss:         sbl         vater Loss:         obl         vater Loss:         obl         vater Loss:         psia         salinity:         vater Loss:         psia         salinity:         vater Case:         psia         salinity:         psia         salinity:         psia         salinity:         psia         salinity:         vater Case:         psia         salinity:         psia         salinity:         vater Case:         v		PERIO	DR	ILL STEM TEST R	EPORT	-		FLUID S	UMMAF
New ton ,Kansas 67114         Job Ticket: 17768         DST#:3           ATTN:         Kevin Bailey         Test Start: 2012.11.17 @ 00:00:00           Mud and Cushion Information         Mud Type:         Gel Chem         Oli API:         deg           Mud Veight:         9.00 lb/gal         Cushion Type:         Oli API:         deg           Mud Veight:         9.00 lb/gal         Cushion Length:         ft         Water Salinity:         ppm           Viscosity:         48.00 sec/qt         Cushion Type:         Resistivity:         ohn.m         Gas Cushion Type:           Resistivity:         ohn.m         Gas Cushion Pressure:         psia           Salinity:         2200.00 ppm         Filter Cake:         1.00 inches           Recovery Table           Length         Description         Volume           0.00         225 feet of gas in the pipe         0.000           0.00         15%Gas 80%oili         0.000         0.000           0.00         15%Gas 40%Mud 45%oil         0.000         0.205           0.00         15%Gas 40%Mud 45%oil         0.000         0.000           25.00         Muddy Gassy Oli         0.205         0.000           0.00         15%Gas 40%Mud 45%oil	ENTE	ERPRISES LLC	Palomi	no Petroleum	·····	7-15s-25w	Trego	·····	
ATTN: Kevin Bailey       Test Start: 2012.11.17 @ 00:00:00         Mud and Cushion Information       Mud Type: Gel Chem       Cushion Type:       Oil API:       deg         Mud Yught:       9.00 lb/gal       Cushion Type:       Oil API:       deg         Mud Yught:       9.00 lb/gal       Cushion Length:       ft       Water Salinity:       ppm         Viscosity:       48.00 sec/qt       Cushion Volume:       bbl       Water Salinity:       ppm         Water Loss:       6.20 in*       Gas Cushion Type:       Resistivity:       ohm.m       Gas Cushion Pressure:       psia         Salinity:       2200.00 ppm       Filter Cake:       1.00 inches       Prescription       Volume         Recovery Table         Clean Gass y Oil       1.721         0.00       15%Gas 85%oil       0.000         0.00       15%Gas 40%Mud 45%oil       0.000         0.00       15%Gas 40%Mud 45%oil       0.000         25.00       Muddy Gassy Oil       0.205         0.00       15%Gas 40%Mud 45%oil       0.000         25.00       Mudgy Gassy Oil       0.205         0.00       15%Gas 40%Mud 45%oil       0.000		STEP					7768	DST#:3	
Mud Type: Gel Chem Cushion Type: Oil API: deg Mud Weight: 9.00 lb/gal Cushion Length: ft Water Salinity: ppm Viscosity: 48.00 sec/qt Cushion Volume: bbl Water Loss: 6.20 in <sup>3</sup> Gas Cushion Type: Resistivity: ohm.m Gas Cushion Pressure: psia Salinity: 2200.00 ppm Filter Cake: 1.00 inches Recovery Information Recovery Table <u>Length</u> Description Volume <u>bbl</u> 0.00 225 feet of gas in the pipe 0.0000 350.00 Clean Gassy Oil 1.721 0.00 15%Gas 85%oil 0.000 0.00 Gravity 42 Corrected 0.0000 25.00 Muddy Gassy Oil 0.205 0.00 15%Gas 40%Mud 45%oil 0.000 25.00 Muddy Cassy Oil 0.205 0.00 15%Gas 40%Mud 45%oil 0.000 26.00 Muddy Cassy Oil 0.205 0.00 15%Gas 40%Mud 45%oil 0.000 26.00 Muddy Cassy Oil 0.205 0.00 Serial #:			ATTN:	Kevin Bailey					
Mud Weight:     9.00 lb/gal     Cushion Length:     ft     Water Salinity:     ppm       Viscosity:     48.00 sec/qt     Cushion Volume:     bbl       Water Loss:     6.20 in <sup>3</sup> Gas Cushion Type:       Resistivity:     ohm.m     Gas Cushion Pressure:     psia       Salinity:     2200.00 ppm     iiiter Cake:     1.00 inches   Recovery Information       Recovery Information     Volume       0.00     225 feet of gas in the pipe     0.000       350.00     Clean Gassy Oil     1.721       0.00     15%Gas 85%oil     0.000       0.00     15%Gas 85%oil     0.000       0.00     15%Gas 90%INd 45%oil     0.000       Total Length:     375.00 ft     Total Volume:     1.926 bbl       Num Fluid Samples: 0     Num Gas Bombs:     0     Serial #:	Mud and Cu	shion Inform	ation						
Water Loss:       6.20 in <sup>3</sup> Gas Cushion Type:         Resistivity:       ohm.m       Gas Cushion Pressure:       psia         Salinity:       2200.00 ppm       Filter Cake:       1.00 inches         Recovery Information         Recovery Table         Length       Description       Volume         0.00       225 feet of gas in the pipe       0.000         0.00       15%Gas 85%oil       0.000         0.00       Gas 40%Mud 45%oil       0.000         0.00       15%Gas 40%Mud 45%oil       0.000         Total Length:       375.00 ft         Num Fluid Samples: 0	Mud Weight:	9.00 lb/gal		Cushion Length:				:	deg API ppm
Salinity: 2200.00 ppm Filter Cake: 1.00 inches Recovery Information Recovery Table Length Description Volume ft Description 0.000 350.00 Clean Gassy Oil 1.721 0.00 15%Gas 85%oil 0.000 0.00 Gravity 42 Corrected 0.000 0.00 Gravity 42 Corrected 0.000 25.00 Muddy Gassy Oil 0.205 0.00 15%Gas 40%Mud 45%oil 0.000 25.00 Muddy Gassy Oil 0.205 0.00 Serial #:	Water Loss:	6.20 in <sup>3</sup>		Gas Cushion Type:					
Recovery TableLength ftDescriptionVolume bbl0.00225 feet of gas in the pipe0.000350.00Clean Gassy Oil1.7210.0015%Gas 85%oil0.0000.00Gravity 42 Corrected0.0000.00Gravity 42 Corrected0.00025.00Muddy Gassy Oil0.2050.0015%Gas 40%Mud 45%oil0.000Total Length:375.00 ftTotal Volume:1.926 bblNum Fluid Samples: 0Num Gas Bombs:0Serial #:	Salinity:	2200.00 ppm		Cas cushion riessure.		psia			
Length ft         Description         Volume bbl           0.00         225 feet of gas in the pipe         0.000           350.00         Clean Gassy Oil         1.721           0.00         15%Gas 85%oil         0.000           0.00         Gravity 42 Corrected         0.000           0.00         Gravity 42 Corrected         0.000           25.00         Muddy Gassy Oil         0.205           0.00         15%Gas 40%Mud 45%oil         0.000           Total Length:         375.00 ft         Total Volume:         1.926 bbl           Num Fluid Samples: 0         Num Gas Bombs:         0         Serial #:	Recovery Inf	formation	<u></u>						
ft         bbl           0.00         225 feet of gas in the pipe         0.000           350.00         Clean Gassy Oil         1.721           0.00         15%Gas 85%oil         0.000           0.00         Gravity 42 Corrected         0.000           0.00         Gravity 42 Corrected         0.000           0.00         Is%Gas 40%Mud 45%oil         0.205           0.00         15%Gas 40%Mud 45%oil         0.000				Recovery Table					
350.00         Clean Gassy Oil         1.721           0.00         15%Gas 85%oil         0.000           0.00         Gravity 42 Corrected         0.000           25.00         Muddy Gassy Oil         0.205           0.00         15%Gas 40%Mud 45%oil         0.000           Total Length:         375.00 ft         Total Volume:         1.926 bbl           Num Fluid Samples: 0         Num Gas Bombs:         0         Serial #:				Description			]	٢	
0.00         15%Gas 85%oil         0.000           0.00         Gravity 42 Corrected         0.000           25.00         Muddy Gassy Oil         0.205           0.00         15%Gas 40%Mud 45%oil         0.000           Total Length:         375.00 ft         Total Volume:         1.926 bbl           Num Fluid Samples: 0         Num Gas Bombs:         0         Serial #:							-		
0.00         Gravity 42 Corrected         0.000           25.00         Muddy Gassy Oil         0.205           0.00         15%Gas 40%Mud 45%oil         0.000           Total Length:         375.00 ft         Total Volume:         1.926 bbl           Num Fluid Samples: 0         Num Gas Bombs:         0         Serial #:							4		
25.00         Muddy Gassy Oil         0.205           0.00         15%Gas 40%Mud 45%oil         0.000           Total Length:         375.00 ft         Total Volume:         1.926 bbl           Num Fluid Samples: 0         Num Gas Bombs:         0         Serial #:							1		
0.00       15%Gas 40%Mud 45%oil       0.000         Total Length:       375.00 ft       Total Volume:       1.926 bbl         Num Fluid Samples:       0       Serial #:									
Total Length: 375.00 ft Total Volume: 1.926 bbl Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:							-		
		Total Le			1.926 bbl	0.000	J		
				Num Gas Bombs:	0	Serial #:			
Laboratory Name: Laboratory Location: Recovery Comments:				Laboratory Location:					



Superior Testers Enterprises LLC Ref. No: 17768

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Otha #1

DST Test Number: 3