

Confidentiality Requested:

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1301909

Form ACO-1 August 2013 Form must be Typed Form must be Signed All blanks must be Filled

WELL COMPLETION FORM

					••••••	
WELL H	ISTORY -	DESCR	IPTION	OF W	/ELL &	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 #	GPS Location: Lat:, Long:
Name:	(e.g. xx.xxxxx) (e.gxxx.xxxxx)
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84
Purchaser:	County:
Designate Type of Completion:	Lease Name: Well #:
New Well Re-Entry Workover	Field Name:
	Producing Formation:
☐ Oil ☐ WSW ☐ SWD ☐ SIOW ☐ Gas ☐ D&A ☐ ENHR ☐ SIGW	Elevation: Ground: Kelly Bushing:
Gas D&A ENHR SIGW	Total Vertical Depth: Plug Back Total Depth:
CM (Coal Bed Methane)	Amount of Surface Pipe Set and Cemented at: Feet
Cathodic Other (Core, Expl., etc.):	Multiple Stage Cementing Collar Used? Yes No
If Workover/Re-entry: Old Well Info as follows:	If yes, show depth set: Feet
Operator:	If Alternate II completion, cement circulated from:
	feet depth to:w/sx cmt.
Original Comp. Date: Original Total Depth:	
Deepening Re-perf. Conv. to ENHR Conv. to SWD	Drilling Fluid Management Plan
Plug Back Conv. to GSW Conv. to Producer	(Data must be collected from the Reserve Pit)
	Chloride content: ppm Fluid volume: bbls
Commingled Permit #:	Dewatering method used:
Dual Completion Permit #: SWD Permit #:	
	Location of fluid disposal if hauled offsite:
ENHR Permit #: GSW Permit #:	Operator Name:
Govv Feinin #	Lease Name: License #:
Spud Date or Date Reached TD Completion Date or	Quarter Sec Twp S. R East West
Spud Date or Recompletion DateDate Reached TDCompletion Date or Recompletion Date	County: Permit #:

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY
Confidentiality Requested
Date:
Confidential Release Date:
Wireline Log Received
Geologist Report Received
UIC Distribution
ALT I II III Approved by: Date:

	Page Two	1301909
Operator Name:	Lease Name:	Well #:
Sec TwpS. R □ East □ West	County:	
INCTRUCTIONS. Chow important tang of formations panatrated	Datail all cares Report all	final conject of drill stoms tasts giving interval tasted, time tool

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken		Yes No		.og Formatio	on (Top), Depth and	d Datum	Sample
Samples Sent to Geolog	,	Yes No	Nam	е		Тор	Datum
Cores Taken Electric Log Run		Yes No					
List All E. Logs Run:							
		CASING Report all strings set-c	RECORD Ne		on, etc.		
Purpose of String	Purpose of String Size Hole Size Casing Drilled Set (In O.D.		Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
		ADDITIONAL	CEMENTING / SQU	JEEZE RECORD			
Purpose: Perforate	Depth Top Bottom	Type of Cement	# Sacks Used		Type and Pe	ercent Additives	
Protect Casing							
Plug Off Zone							
Did you perform a hydraulic	fracturing treatment of	on this well?		Yes	No (If No. skip	o questions 2 an	d 3)
Does the volume of the total	0		ceed 350,000 gallons			o question 3)	/

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?

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:	Si	ze:	Set At:		Packe	r At:	Liner R		No	
Date of First, Resumed	l Product	ion, SWD or ENH	۲.	Producing Met	thod:	ping	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours		Oil Bb	ls.	Gas	Mcf	Wate	er	Bbls.	Gas-Oil Ratio	Gravity
									I	
DISPOSITION OF GAS: MET			METHOD	OF COMPLE	TION:		PRODUCTION INTER	RVAL:		
Vented Sol		Used on Lease		Open Hole	Perf.	Dually (Submit)		Commingled (Submit ACO-4)	·	
(If vented, Su	ıbmit ACC	D-18.)		Other (Specify) _						

Yes

No

(If No, fill out Page Three of the ACO-1)

Form	ACO1 - Well Completion
Operator	Palomino Petroleum, Inc.
Well Name	J & B Wilkinson 1
Doc ID	1301909

Tops

Name	Тор	Datum
Anhy.	2332	(+709)
Base Anhy.	2339	(+692)
Heebner	3909	(-868)
Toronto	3909	(-882)
Lansing	3953	(-912)
Muncie Creek	4143	(-1102)
Stark	4243	(-1202)
Hushpuckney	4297	(-1256)
ВКС	4345	(-1304)
Marmaton	4409	(-1368)
Pawnee	4476	(-1435)
Ft. Scott	4529	(-1488)
Cherokee Sh.	4555	(-1514)
Miss.	4806	(-1765)
LTD	4900	(-1859)

Form	ACO1 - Well Completion
Operator	Palomino Petroleum, Inc.
Well Name	J & B Wilkinson 1
Doc ID	1301909

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Type and Percent Additives
Surface	8.625	8.625	23	345	Common	3% cc, 2% gel

RECEIVED

MAR 0 9 2016



QUALITY OILWELL CEMENTING, INC.

PO Box 32 - 740 West Wichita Ave, Russell KS 67665 Phone:785-324-1041 fax:785-483-1087 Email: cementing@ruraltel.net

Invoice

Contact: Palomino Petroleum Inc Address/Job Location:

4924 SE 84th Newton Ks 67114

Reference: JB WILKINSON 1

Description of Work: SURFACE JOB

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 585.47	No		•		
Common-Class A	160	\$ 2,127.82	Yes				1
Calcium Chloride	8	\$ 356.73	Yes				
Pump Truck Mileage-Job to Nearest Camp	57	\$ 251.16	No				
POZ Mix-Standard	40	\$ 224.32	Yes				
Bulk Truck Matl-Material Service Charge	214	\$ 171.44	No				•
Bulk Truck Mileage-Job to Nearest Bulk Plant	57	\$ 159.83	No				
Premium Gel (Bentonite)	6	\$ 78.26	Yes				

Invoice Terms:	SubT	otal: \$	3,955.02
Net 30	Discount Available <u>ONLY</u> if Invoice is Paid & Rece within listed terms of invo	ived bice: \$	(98.88)
	tems: \$	2,717.44	
_	SubTotal for Non-Taxable Items:		
	Т	otal: \$	3,856.14
	8.50% Scott County Sales Tax	Tax: \$	230.98
Thank You For Your Business!	Amount l	Jue: \$	4,087.12
	Applied Payme	nts:	
	Balance I	Due: \$	4,087.12
Past Due Invoices are subject to a service charge (a	annual rate of 24%)		

Past Due Invoices are subject to a service charge (annual rate of 24%) This does not include any applicable taxes unless it is listed. ©2008-2013 Straker Investments, LLC. All rights reserved. Date: 3/5/2016 Invoice # 1327

P.O.#:

Due Date: 4/4/2016 Division: Russell

QUALITY OILWEL	L CEMENTING, INC.
	1.D.# 20-2886107 5x 32 Russell, KS 67665 No.
Date 3-5-16 Sec. Twp. Range C	County State On Location 2:15 PM
Lease J+B Wilkinson Well No. 1 <u>Contractor WW #2</u> Type Job Surface	Owner $V_2 E$, $5 V_3 N$, $W I_3$ To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.
Hole Size 1214" T.D. 345' Csg. 88/8" Depth 345'	Charge Palanino Petroleun Street
Tbg. Size Depth Tool , Depth	City State The above was done to satisfaction and supervision of owner agent or contractor.
Cement Left in Csg. 15 Shoe Joint 15	Cement Amount Ordered Job 85/20 3% cc 2% 60
EQUIPMENT	Common /60
Pumptrk) Helper DICTT Bulktrk 9 No. Driver Rel No. Driver Rel No. Driver	Poz. Mix 40
Bulktrk Driver JOB SERVICES & REMARKS Remarks: Cement did Cicculate	Calcium & Hulls
Remarks: Cement did Circulate Rat Hole	Salt Flowseal
Mouse Hole Centralizers	Kol-Seal Mud CLR 48
Baskets D/V or Port Collar	CFL-117 or CD110 CAF 38 Sand
	Handling 2/4
	FLOAT EQUIPMENT Guide Shoe Centralizer
	Baskets AFU Inserts Float Shoe
-	Pumptrk Charge Sinsface
	Mileage 57 - Tax
X Signature	Discount Total Charge



QUALITY OILWELL CEMENTING, INC.

PO Box 32 - 740 West Wichita Ave, Russell KS 67665 Phone:785-324-1041 fax:785-483-1087 Email: cementing@ruraltel.net

Invoice

Date: 3/15/2016 Invoice # 1330

Due Date: 4/14/2016 Division: Russell

P.O.#:

RECEIVED MAR 1 8 2016

Taxable

Contact: Palomino Petroleum Inc Address/Job Location:

4924 SE 84th Newton Ks 67114

Reference: J B WILKINSON 1

Description of Work: PLUG JOB

Services / Items Included:	Quantity	Price	Taxable	ltem	Quantity	Price
Labor		\$ 585.47	Yes			
Common-Class A	174	\$ 2,314.00	Yes			
POZ Mix-Standard	116	\$ 650.52	Yes			
Pump Truck Mileage-Job to Nearest Camp	56	\$ 246.75	Yes			
Bulk Truck Matl-Material Service Charge	300	\$ 240.34	Yes			
Bulk Truck Mileage-Job to Nearest Bulk Plant	56	\$ 157.02	Yes			
Premium Gel (Bentonite)	10	\$ 130.43	Yes			
Flo Seal	72	\$ 115.36	Yes			
4 1/2" Top Rubber Plug	1	\$ 30.44	Yes			

Invoice Terms:	Sul	bTotal:	\$ 4,470.34
Net 30	Discount Available <u>ONLY</u> if Invoice is Paid & Re within listed terms of ir		\$ (111.76)
	SubTotal for Taxabl	e Items:	\$ 4,358.58
	SubTotal for Non-Taxabl	e Items:	\$ -
		Total:	\$ 4,358.58
	8.50% Scott County Sales Tax	Tax:	\$ 370.48
Thank You For Your Business!	Amoun	nt Due:	\$ 4,729.06
	Applied Payr	ments:	
	Balance	e Due:	\$ 4,729.06
Past Due Invoices are subject to a service charge (a	annual rate of 24%)		A

Past Due Invoices are subject to a service charge (annual rate of 24%) This does not include any applicable taxes unless it is listed. ©2008-2013 Straker Investments, LLC. All rights reserved.

	ELL CEMENTING, INC.
	P.O. Box 32 Russell, KS 67665 No.
Date 3 15 Sec. Twp. Range Date 3 1 1 3 4	CountyStateOn LocationFinishScottKs030 P
T+B wilkinson	Location Moder, KS - IN, ZE, 42 N, W/S
Lease Well No.	Owner
Contractor WW2 Type Job Plugy	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.
Hole Size 77/8" T.D. 4899'	Charge Palamino Petroleum
Csg. Depth	Street
Tbg. Size 42" D. ?) Depth 2380	
Tool Depth	The above was done to satisfaction and supervision of owner agent or contractor
Cement Left in Csg. Shoe Joint	Cement Amount Ordered 290 60/40 4% Gel 14# FI
117×1m	
Meas Line Displace N 207 M EQUIPMENT	Common 174
Pumptrk 8 No. Cementer	Poz. Mix//6
Bulktrk 21 No. Driver Doway	Gel. //
Bulktrk DU No. Driver Dr Ck	Calcium
JOB SERVICES & REMARKS	Hulls
Remarks: 2380' - 505x	Salt
Rat Hole 1 340'- 80 5X	Flowseal 72#
Mouse Hole 700' - 40 5%	Kol-Seal
Centralizers 360'- 50 SX	Mud CLR 48
Baskets 60' - 20 5X	CFL-117 or CD110 CAF 38
D/V or Port Collar Rathole wel 305X	Sand
	Handling 300
Cement did Circulate	Mileage
	FLOAT EQUIPMENT
	Guide Shoe
	Centralizer
	Baskets
	AFU Inserts
	Float Shoe
	Latch Down
	Pumptrk Charge plug
	Mileage 57 / J
and the second sec	Tax
	Discount
X Signature OMMA	Total Charge



DRILL STEM TEST REPORT

Prepared For: P

Palomino Petroleum

4924 SE 84th St Newton KS 67114

ATTN: Ryan Seib

J&B Wilkinson #1

21-17s-34w Scott,KS

 Start Date:
 2016.03.07 @ 23:16:00

 End Date:
 2016.03.08 @ 06:13:45

 Job Ticket #:
 64638
 DST #: 1

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

J&B Wilkinson #1 Job Ticket: 64638 DST#:1 Test Type: 2016.03.07 @ 23:16:00 Test Start: 2016.03.07 @ 23:16:00 Test Type: Conventional Bottom Hole (Initial) Tester: Bradley Walter Unit No: 69 Reference Elevations: 3161.00 ft (KB) 3156.00 ft (CF) KB to GR/CF: 5.00 ft Capacity: 8000.00 psig Last Calib.: 2016.03.08 @ 01:49:00 Time On Btm: 2016.03.08 @ 04:09:30 Time Off Btm: 2016.03.08 @ 04:09:30
Test Start: 2016.03.07 @ 23:16:00 Test Type: Conventional Bottom Hole (Initial) Tester: Bradley Walter Unit No: 69 Reference Elevations: 3161.00 ft (KB) 3156.00 ft (CF) KB to GR/CF: 5.00 ft Capacity: 8000.00 psig Last Calib.: 2016.03.08 @ 01:49:00 Time On Btm: 2016.03.08 @ 04:09:30 PRESSURE SUMMARY Pressure Temp (deg F) Annotation
Tester: Bradley Walter Unit No: 69 Reference Elevations: 3161.00 ft (KB) 3156.00 ft (CF) KB to GR/CF: 5.00 ft Capacity: 8000.00 psig Last Calib.: 2016.03.08 @ 01:49:00 Time On Btm: 2016.03.08 @ 04:09:30 Time Off Btm: 2016.03.08 @ 04:09:30 PRESSURE SUMMARY Pressure Temp (psig) (deg F)
Tester: Bradley Walter Unit No: 69 Reference Elevations: 3161.00 ft (KB) 3156.00 ft (CF) KB to GR/CF: 5.00 ft Capacity: 8000.00 psig Last Calib.: 2016.03.08 @ 01:49:00 Time On Btm: 2016.03.08 @ 04:09:30 Time Off Btm: 2016.03.08 @ 04:09:30 PRESSURE SUMMARY Pressure Temp (psig) (deg F)
3156.00 ft (CF) KB to GR/CF: 5.00 ft Capacity: 8000.00 psig Last Calib.: 2016.03.08 Time On Btm: 2016.03.08 @ 01:49:00 Time Off Btm: 2016.03.08 @ 04:09:30 PRESSURE SUMMARY Pressure Temp (psig) (deg F)
Last Calib.: 2016.03.08 Time On Btm: 2016.03.08 @ 01:49:00 Time Off Btm: 2016.03.08 @ 04:09:30 PRESSURE SUMMARY Pressure Temp (psig) (deg F)
Pressure Temp Annotation (psig) (deg F)
Pressure Temp Annotation (psig) (deg F)
(psig) (deg F)
1290.94 87.06 Initial Hydro-static 36.83 87.02 Open To Flow (1) 91.57 89.07 Shut-In(1) 712.92 89.35 End Shut-In(1) 99.71 89.45 Open To Flow (2) 134.34 90.37 Shut-In(2) 679.86 90.39 End Shut-In(2) 1273.56 90.42 Final Hydro-static
Gas Rates
Choke (inches) Pressure (psig) Gas Rate (Mcf/c

	DRILL STEM TES	TREP	ORT		
	Palomino Petroleum		21-17s	-34w Scott,K	S
ESTING , INC	4924 SE 84th St New ton KS 67114			/ ilkinson #1 et: 64638	DST#:1
	ATTN: Ryan Seib			rt: 2016.03.07 @	
GENERAL INFORMATION:	·				
Formation:ChaseDeviated:NoWhipstock:Time Tool Opened:01:50:00Time Test Ended:06:13:45	ft (KB)		Test Tyr Tester: Unit No:	be: Convention Bradley Wa 69	al Bottom Hole (Initial) Ilter
Interval:2737.00 ft (KB) To305Total Depth:3052.00 ft (KB) (TVHole Diameter:7.88 inchesHole			Referen	ce Elevations: KB to GR/CF:	3161.00 ft (KB) 3156.00 ft (CF) 5.00 ft
Serial #: 8365 Inside					
Press@RunDepth:psigStart Date:2016.03.07Start Time:23:16:05	•	2016.03.08 06:13:44	Capacity: Last Calib.: Time On Btm: Time Off Btm		8000.00 psig 2016.03.08
TEST COMMENT: IF: 4 1/2". ISI: No return. FF: 2 1/2". FSI: No return.					
Pressure vs. Tr	ESS Torparker			SURE SUMN	
5 The 3 Million State St	200 minutes and a second secon	Time (Min.)		mp Annotati	on
Recovery				Gas Rates	
Length (ft) Description 230.00 Mud 100m	Volume (bbl) 2.14			Choke (inches) Pressi	ure (psig) Gas Rate (Mct/d)
Trilobite Testing, Inc	Ref. No: 64638		Pri	nted: 2016.03.15	5 @ 13:45:01

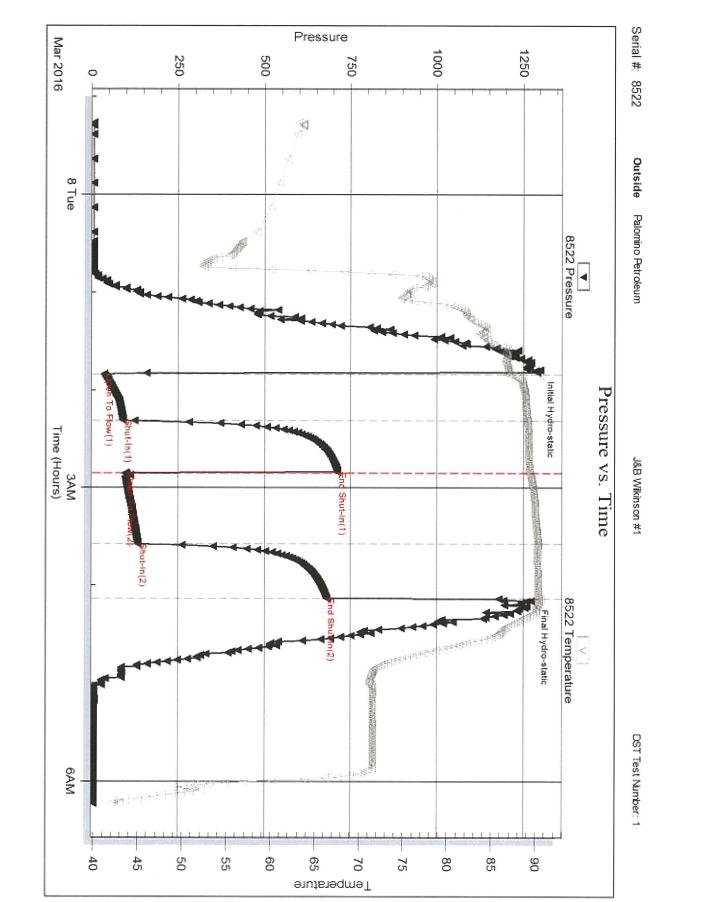
RILOB	'11E †	Palomin	o Petroleur	າ		21-17s-34w Sc	off KG	•
TEST	ING , INC	1 diomine		•		21-175-34W 30	sou, na	•
			E84th St			J&B Wilkinso	n #1	
後日		New ton	KS 67114			Job Ticket: 64638	3	DST#:1
		ATTN:	Ryan Seib			Test Start: 2016.0	03.07 @	23:16:00
Tool Information				- Linda - Linda				
Drill Pipe: Length:	2604.00 ft	Diameter:	3.80	inches Volume	e: 36.53 bbl	Tool Weight:		2500.00 lb
Heavy Wt. Pipe: Length:		Diameter:	0.00	inches Volume	e: 0.00 bbl	Weight set on	Packer:	25000.00 lb
Drill Collar: Length:	119.00 ft	Diameter:	2.25	inches Volume			Loose:	
Drill Pipe Above KB:	16.00 ft			Total Volume	e: 37.12 bbl			0.00 ft
•	2737.00 ft					String Weight:		56000.00 lb
Depth to Bottom Packer:	ft						Final	56000.00 lb
nterval between Packers:	315.00 ft							
Fool Length:	345.00 ft							
Number of Packers:	2	Diameter:	6.75	inches				
				5 <i>11</i>	-			
Fool Description	Len	igth (ft) 1.00	Serial No	. Position	Depth (ft) 2708.00	Accum. Lengths		
Tool Comments: Tool Description Change Over Sub Shut In Tool	Len		Serial No	. Position		Accum. Lengths		
Tool Description	Len	1.00	Serial No	. Position	2708.00	Accum. Lengths		
Tool Description Change Over Sub Shut In Tool	Len	1.00 5.00	Serial No	. Position	2708.00 2713.00	Accum. Lengths		
Fool Description Change Over Sub Shut In Tool Sampler Hydraulic tool	Len	1.00 5.00 3.00	Serial No	. Position	2708.00 2713.00 2716.00	Accum. Lengths		
Fool Description Change Over Sub Shut In Tool Sampler Hydraulic tool Jars	Len	1.00 5.00 3.00 5.00	Serial No	. Position	2708.00 2713.00 2716.00 2721.00	Accum. Lengths		
Fool Description Change Over Sub Shut In Tool Sampler Hydraulic tool lars Safety Joint	Len	1.00 5.00 3.00 5.00 5.00	Serial No	. Position	2708.00 2713.00 2716.00 2721.00 2726.00	Accum. Lengths		Bottom Of Top Packe
Fool Description Change Over Sub Shut In Tool Sampler Hydraulic tool Jars Safety Joint Packer	Len	1.00 5.00 3.00 5.00 5.00 2.00	Serial No	. Position	2708.00 2713.00 2716.00 2721.00 2726.00 2728.00			Bottom Of Top Packe
Tool Description Change Over Sub Shut In Tool Sampler	Len	1.00 5.00 3.00 5.00 5.00 2.00 5.00	Serial No	. Position	2708.00 2713.00 2716.00 2721.00 2726.00 2728.00 2733.00			Bottom Of Top Packe
Fool Description Change Over Sub Shut In Tool Sampler Hydraulic tool Jars Safety Joint Packer	Len	1.00 5.00 3.00 5.00 5.00 2.00 5.00 4.00	Serial No 8365		2708.00 2713.00 2716.00 2721.00 2726.00 2728.00 2733.00 2737.00			Bottom Of Top Packe
Fool Description Change Over Sub Shut In Tool Sampler Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder	Len	1.00 5.00 3.00 5.00 5.00 2.00 5.00 4.00 1.00		Inside	2708.00 2713.00 2716.00 2721.00 2726.00 2728.00 2733.00 2737.00 2738.00			Bottom Of Top Packe
Tool Description Change Over Sub Shut In Tool Sampler Hydraulic tool ars Safety Joint Packer Packer Stubb Recorder Recorder		1.00 5.00 3.00 5.00 5.00 2.00 5.00 4.00 1.00 0.00	8365	Inside	2708.00 2713.00 2716.00 2721.00 2726.00 2728.00 2733.00 2737.00 2738.00 2738.00			Bottom Of Top Packe
Fool Description Change Over Sub Shut In Tool Sampler Aydraulic tool ars Safety Joint Packer Packer Stubb Recorder Recorder Recorder Perforations		1.00 5.00 3.00 5.00 2.00 5.00 4.00 1.00 0.00 0.00	8365	Inside	2708.00 2713.00 2716.00 2721.00 2726.00 2728.00 2733.00 2737.00 2738.00 2738.00 2738.00			Bottom Of Top Packe
Fool Description Change Over Sub Shut In Tool Sampler Hydraulic tool lars Safety Joint Packer Packer Stubb Recorder Recorder Recorder Perforations Change Over Sub		1.00 5.00 3.00 5.00 2.00 5.00 4.00 1.00 0.00 0.00 24.00	8365	Inside	2708.00 2713.00 2716.00 2721.00 2726.00 2728.00 2733.00 2737.00 2738.00 2738.00 2738.00 2762.00			Bottom Of Top Packe
Fool Description Change Over Sub Shut In Tool Sampler Hydraulic tool Jars Safety Joint Packer Packer Stubb		1.00 5.00 3.00 5.00 2.00 5.00 4.00 1.00 0.00 0.00 24.00 1.00	8365	Inside	2708.00 2713.00 2716.00 2721.00 2726.00 2728.00 2733.00 2737.00 2738.00 2738.00 2738.00 2738.00 2762.00 2763.00			Bottom Of Top Packe
Tool Description Change Over Sub Shut In Tool Sampler tydraulic tool Jars Safety Joint Packer Packer Packer Stubb Recorder Recorder Recorder Perforations Change Over Sub Drill Pipe		1.00 5.00 3.00 5.00 5.00 2.00 5.00 4.00 1.00 0.00 24.00 1.00 85.00	8365	Inside	2708.00 2713.00 2716.00 2721.00 2726.00 2728.00 2733.00 2738.00 2738.00 2738.00 2738.00 2738.00 2762.00 2763.00 3048.00		Bot	Bottom Of Top Packe

		RILL STEM TEST F	REPORT		FLU	ID SUMMAR
ELECT I FCT	I P	alomino Petroleum		21-17s-34	w Scott,KS	
		024 SE 84th St ew ton KS 67114		J&B Wilk Job Ticket: (T#: 1
	A	TTN: Ryan Seib			2016.03.07 @ 23:16:	
Aud and Cushion Info	ormation		HP-2011 - 10 - 1			
lud Type: Gel Chem		Cushion Type:			Oil A PI:	0 deg API
/ud Weight: 9.00 I	b/gal	Cushion Length:		ft	Water Salinity:	0 ppm
iscosity: 60.00 s	sec/qt	Cushion Volume:		bbl	,	.,
Vater Loss: 6.39 i	n³	Gas Cushion Type:				
	ohm.m	Gas Cushion Pressure	:	psig		
alinity: 6000.00 j ilter Cake: 1.00 i	opm nches					
Recovery Information						
-		Recovery Table				
	Length ft	Description		Volume bbl		
	230	00 Mud 100m		2.14	2	
То	tal Length:	230.00 ft Total Volume:	2.142 bbl		-	

Printed: 2016.03.15 @ 13:45:02

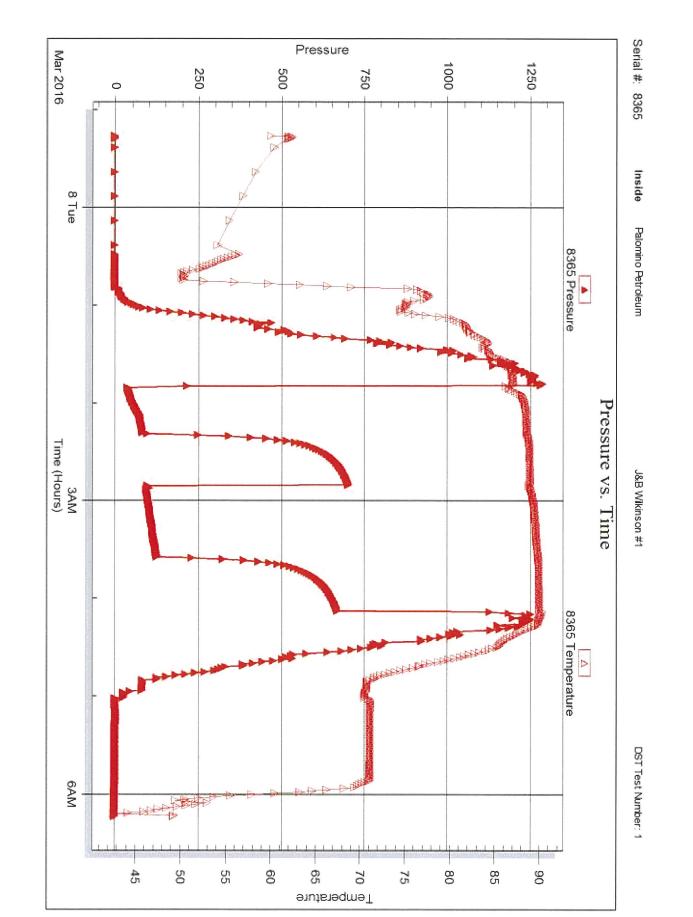
64638





Printed: 2016.03.15 @ 13:45:02

Ref. No: 64638





DRILL STEM TEST REPORT

Prepared For:

Palomino Petroleum

4924 SE 84th St Newton KS 67114

ATTN: Ryan Seib

J&B Wilkinson #1

21-17s-34w Scott,KS

 Start Date:
 2016.03.10 @ 06:35:00

 End Date:
 2016.03.10 @ 11:52:13

 Job Ticket #:
 64639
 DST #:
 2

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

	DRILL STEM TES	TREP	ORT				
RILOBITE	Palomino Petroleum		21-17	s-34w	Scott,KS		
ESTING , INC	4924 SE 84th St New ton KS 67114			Wilkins cket: 646		DST#:2	
	ATTN: Ryan Seib		Test S	tart: 201	6.03.10 @	06:35:00	
GENERAL INFORMATION:	· · · · · · · · · · · · · · · · · · ·				·		
Formation:LKCC - DDeviated:NoWhipstock:Time Tool Opened:08:24:30Time Test Ended:11:52:13	ft (KB)		Test Ty Tester Unit No	: В	radley Walt	l Bottom Hok er	e (Initial)
Interval:3978.00 ft (KB) To409Total Depth:4050.00 ft (KB) (TVHole Diameter:7.88 inchesHole			Refere	ence Elev KB to	ations: GR/CF:	3161.00 3156.00 5.00	ft (CF)
Serial #: 8365 Inside Press@RunDepth: 105.74 psig (2016.03.10 Start Date: 2016.03.10 Start Time: 06:35:05 TEST COMMENT: IF: 3" blow . ISI: No return. FF: 2" blow . FSI: No return.		2016.03.10 11:52:13	Capacity: Last Calib.: Time On Btr Time Off Btı		016.03.10 @	8000.00 2016.03.10 2 08:23:45 2 10:26:15	psig
POI. NO FELUTI.	me		PRE	SSUR	E SUMMA		
Tree (scars)	Tringentur Torgentur	Time (Min.) 0 1 31 61 61 91 121 123	Pressure (psig) (n 1999.95 31.43 80.00 1051.43 1051.43 86.53 105.74 1033.04	Temp deg F) 97.99 97.45 98.97 100.87 100.67 102.32 104.58	Annotatio Open To Fle Shut-In(1) End Shut-In Open To Fle Shut-In(2) End Shut-In Final Hydro	n static pow (1) 	
Recovery					Rates		
Length (ft) Description 185.00 w cm 25w 75m (oil spots)	Volume (bbl) 1.51			Choke (inc	hes) Pressur	e (psig) Gas	Rate (Mct/d)
Trilobite Testing, Inc	Ref. No: 64639		F	Printed: 2	016.03.15	@ 13:44:37	

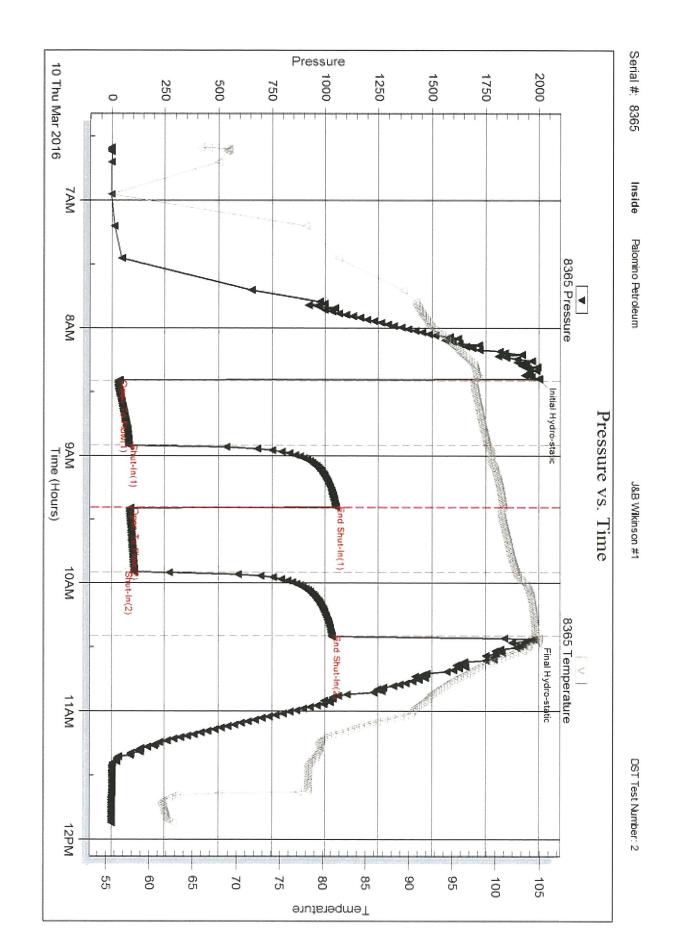
	DRILL STEM TES	ST REP	ORT		
	Palomino Petroleum		21-17s-34	w Scott,K	S
ESTING , INC			J&B Wilk	inson #1	
	New ton KS 67114		Job Ticket:	64639	DST#:2
	ATTN: Ryan Seib		Test Start:	2016.03.10 @	@ 06:35:00
GENERAL INFORMATION:	•				
Formation:LKC C - DDeviated:NoWhipstock:Time Tool Opened:08:24:30Time Test Ended:11:52:13	ft (KB)		Test Type: Tester: Unit No:	Convention Bradley Wa 69	al Bottom Hole (Initial) alter
Interval:3978.00 ft (KB) To4Total Depth:4050.00 ft (KB) (ToHole Diameter:7.88 inches Ho			Reference KI	Elevations: B to GR/CF:	3161.00 ft (KB) 3156.00 ft (CF) 5.00 ft
Serial #: 8522OutsidePress@RunDepth:psigStart Date:2016.03.10Start Time:06:35:05	@ 3979.00 ft (KB) End Date: End Time:	2016.03.10 11:53:14	Capacity: Last Calib.: Time On Btm: Time Off Btm:		8000.00 psig 2016.03.10
TEST COMMENT: IF: 3" blow . ISI: No return. FF: 2" blow . FSI: No return.					
Pressure vs.	Time 8522 Tomonikre	Timo		JRE SUMN	
200 175 1750 17	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5		Pressure Temp (psig) (deg F		
Recovery			G	as Rates	
Length (ft) Description	Volume (bbl)		Chok	e (inches) Press	ure (psig) Gas Rate (Mcf/d)
185.00 w cm 25w 75m (oil spot	s) 1.51				
	Bef No: 64639			d: 2016 03 11	

FSTIN	TE -	Palomino	Petroleum			21-17s-34w Scot	t.KS
	VG , INC	4924 SE	84th St			J&B Wilkinson #	
			KS 67114			Job Ticket: 64639	DST#:2
		ATTN:	Ryan Seib			Test Start: 2016.03.	
Tool Information							
Drill Pipe: Length: 38	840.00 ft	Diameter:	3.80 i	nches Volume:	53.87 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe: Length:		Diameter:	0.00 i	nches Volume:	0.00 bbl	Weight set on Pac	cker: 25000.00 lb
Drill Collar: Length:	119.00 ft	Diameter:	2.25 i	nches Volume:		Weight to Pull Loc	ose: 75000.00 lb
Drill Pipe Above KB:	8.00 ft			Total Volume:	54.46 bbl	Tool Chased	0.00 ft
	978.00 ft					String Weight: Init	
Depth to Bottom Packer:	ft					Fir	nal 65000.00 lb
Interval between Packers:	72.00 ft						
Tool Length:	99.00 ft						
Number of Packers:	2	Diameter:	6.75 i	nches			
Tool Comments:							
	Len	1.00			3952 00		····
Tool Description Change Over Sub Shut In Tool		1.00 5.00			3952.00 3957.00		
Change Over Sub Shut In Tool Hydraulic tool		5.00 5.00			3957.00 3962.00		
Change Over Sub Shut In Tool Hydraulic tool Jars		5.00 5.00 5.00			3957.00 3962.00 3967.00		
Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint		5.00 5.00 5.00 2.00			3957.00 3962.00 3967.00 3969.00	27.00	
Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer		5.00 5.00 5.00 2.00 5.00			3957.00 3962.00 3967.00 3969.00 3974.00	27.00	Bottom Of Top Packer
Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer		5.00 5.00 5.00 2.00 5.00 4.00			3957.00 3962.00 3967.00 3969.00 3974.00 3978.00	27.00	Bottom Of Top Packer
Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb		5.00 5.00 5.00 2.00 5.00	8365	Inside	3957.00 3962.00 3967.00 3969.00 3974.00	27.00	Bottom Of Top Packer
Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder		5.00 5.00 2.00 5.00 4.00 1.00	8365 8522	Inside Outside	3957.00 3962.00 3967.00 3969.00 3974.00 3978.00 3979.00	27.00	Bottom Of Top Packer
Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder Recorder		5.00 5.00 2.00 5.00 4.00 1.00 0.00			3957.00 3962.00 3967.00 3969.00 3974.00 3978.00 3979.00 3979.00	27.00	Bottom Of Top Packer
Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint		5.00 5.00 2.00 5.00 4.00 1.00 0.00 0.00			3957.00 3962.00 3967.00 3969.00 3974.00 3978.00 3979.00 3979.00 3979.00	27.00	Bottom Of Top Packer
Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder Recorder Perforations		5.00 5.00 2.00 5.00 4.00 1.00 0.00 0.00 3.00			3957.00 3962.00 3967.00 3974.00 3978.00 3979.00 3979.00 3979.00 3979.00	27.00	Bottom Of Top Packer
Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder Recorder Recorder Perforations Change Over Sub		5.00 5.00 2.00 5.00 4.00 1.00 0.00 0.00 3.00 1.00			3957.00 3962.00 3967.00 3974.00 3978.00 3979.00 3979.00 3979.00 3979.00 3982.00 3983.00	27.00	Bottom Of Top Packer

	BITE		L STEM TEST F				LUID SUMMAR
	TING , INC	Palomino	Petroleum		21-17s-34	w Scott,KS	
		4924 SE 8 New ton K			J&B Wilk		DST#:2
		ATTN: R	yan Seib			2016.03.10 @ 06:3	
lud and Cushion Inf	ormation						
Salinity: 9000.00 p	sec/qt in³ ohm.m		Cushion Type: Cushion Length: Cushion Volume: Gas Cushion Type: Gas Cushion Pressure	9:	ft bbl psig	Oil API: Water Salinity:	0 deg API 32000 ppm
Recovery Information	n						
	[Recovery Table			-	
	Length ft	h	Description		Volume bbl		
		185.00 w	cm 25w 75m (oil spots)		1.51	1	
То	tal Length:	185.00	ft Total Volume:	1.511 bbl			

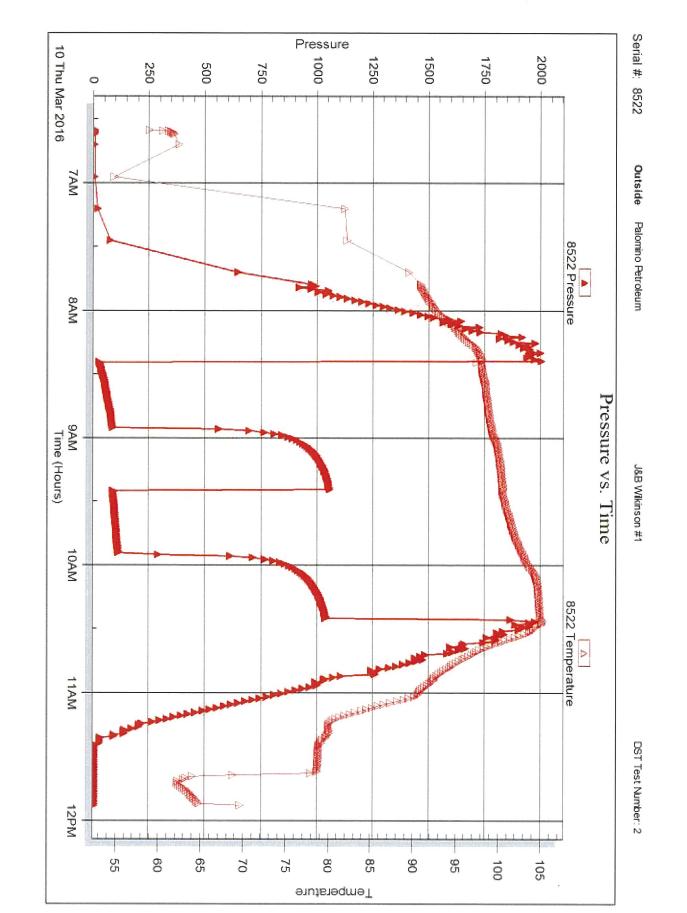
Printed: 2016.03.15 @ 13:44:38

Ref. No: 64639



Printed: 2016.03.15 @ 13:44:38







DRILL STEM TEST REPORT

Prepared For:

Palomino Petroleum

4924 SE 84th St Newton KS 67114

ATTN: Ryan Seib

J&B Wilkinson #1

21-17s-34w Scott,KS

 Start Date:
 2016.03.11 @ 05:12:00

 End Date:
 2016.03.11 @ 10:14:00

 Job Ticket #:
 64640
 DST #:
 3

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

RILOBITE	Palomino Petroleum	0.10	21.	17s-34w	Scott	(5	
ESTING , INC	4924 SE 84th St New ton KS 67114			B Wilkir			
				Ticket: 64		DST	
	ATTN: Ryan Seib		les	t Start: 20		@ 05:12:00)
GENERAL INFORMATION:							
Formation: LKC I - J Deviated: No Whipstock: Time Tool Opened: 07:03:45 Time Test Ended: 10:14:00	ft (KB)		Tes	ter:	Conventic Bradley V 69		Hole (Reset)
nterval: 4174.00 ft (KB) To 42			Ref	erence Ee	evations:	3161.0	00 ft (KB)
otal Depth: 4235.00 ft (KB) (TV Hole Diameter: 7.88 inchesHole	′D) Condition: Good			KBt	to GR/CF:		00 ft(CF) 00 ft
	······································						
Serial #: 8365 Inside Yress@RunDepth: 393.15 psig 393.15 psig </td <td> 4175.00 ft (KB) End Date: End Time: </td> <td>2016.03.11 10:13:59</td> <td>Capacity Last Cali Time On Time Off</td> <td>b.: Btm: 2</td> <td></td> <td>8000.0 2016.03.⁻ 1 @ 07:03:⁻ 1 @ 08:26:0</td> <td>15</td>	 4175.00 ft (KB) End Date: End Time: 	2016.03.11 10:13:59	Capacity Last Cali Time On Time Off	b.: Btm: 2		8000.0 2016.03. ⁻ 1 @ 07:03: ⁻ 1 @ 08:26:0	15
EST COMMENT: IF: BOB at 2 min. ISI: No return. FF: BOB at 2 min.							
ISI: No return. FF: BOB at 2 min. ISI: No return. Pressure vs. Tă	inc			RESSUF	·····		
ISI: No return. FF: BOB at 2 min. ISI: No return.	inc	∞ Time (Min.) ∞ 0	PI Pressure (psig) 2124.30	Temp (deg F)	Annota		
ISI: No return. FF: BOB at 2 min. ISI: No return. Pressure vs. The Pressure vs. The Pressur	IIIC SUU Temporate Temporate Temporate	(Min.)	Pressure (psig)	Temp (deg F) 102.26 101.58	Annota Initial Hy Open To	ation dro-static 9 Flow (1)	
ISI: No return. FF: BOB at 2 min. ISI: No return.	IDC SUD Temporate Te	(Min.) ∞ 0 ∞ 1 ∞ 10 42	Pressure (psig) 2124.30 119.79 274.52 1196.63	Temp (deg F) 102.26 101.58 114.79 113.37	Annota Initial Hy Open To Shut-In(End Shu	ation dro-static Flow (1) 1) t-ln(1)	
ISI: No return. FF: BOB at 2 min. ISI: No return.	IDC SUD Temporate Te	(Min.) (Min.) (Min.) 1 1 10 42 42 53	Pressure (psig) 2124.30 119.79 274.52	Temp (deg F) 102.26 101.58 114.79 113.37 113.07	Annota Initial Hy Open To Shut-In(ation dro-static Flow (1) 1) t-ln(1) Flow (2)	
ISI: No return. FF: BOB at 2 min. ISI: No return.		(Min.) (Min.)	Pressure (psig) 2124.30 119.79 274.52 1196.63 263.67	Temp (deg F) 102.26 101.58 114.79 113.37 113.07 116.66	Annota Initial Hy Open To Shut-In(End Shu Open To Shut-In(End Shu	ation dro-static Flow (1) 1) t-In(1) Flow (2) 2)	
ISI: No return. FF: BOB at 2 min. ISI: No return.		(Min.) (Min.)	Pressure (psig) 2124.30 119.79 274.52 1196.63 263.67 393.15 1189.81	Temp (deg F) 102.26 101.58 114.79 113.37 113.07 116.66 115.92	Annota Initial Hy Open To Shut-In(End Shu Open To Shut-In(End Shu	ation dro-static P Flow (1) 1) t-In(1) P Flow (2) 2) t-In(2)	
ISI: No return. FF: BOB at 2 min. ISI: No return.		(Min.) (Min.)	Pressure (psig) 2124.30 119.79 274.52 1196.63 263.67 393.15 1189.81	Temp (deg F) 102.26 101.58 114.79 113.37 113.07 116.66 115.92 116.17	Annota Initial Hy Open To Shut-In(End Shu Final Hy Final Hy	ation dro-static P Flow (1) 1) t-In(1) P Flow (2) 2) t-In(2)	
ISI: No return. FF: BOB at 2 min. ISI: No return.		(Min.) (Min.)	Pressure (psig) 2124.30 119.79 274.52 1196.63 263.67 393.15 1189.81	Temp (deg F) 102.26 101.58 114.79 113.37 113.07 116.66 115.92 116.17	Annota Initial Hy Open To Shut-In(End Shu Final Hy Shut-In(End Shu Final Hy	ation dro-static P Flow (1) 1) t-In(1) P Flow (2) 2) t-In(2)	Gas Rate (Mcf/d
ISI: No return. FF: BOB at 2 min. ISI: No return.	inc SUC Temporal re- Temporal re- Tempora	(Min.) (Min.)	Pressure (psig) 2124.30 119.79 274.52 1196.63 263.67 393.15 1189.81	Temp (deg F) 102.26 101.58 114.79 113.37 113.07 116.66 115.92 116.17	Annota Initial Hy Open To Shut-In(End Shu Final Hy Shut-In(End Shu Final Hy	ation dro-static Flow (1) 1) t-ln(1) Flow (2) 2) t-ln(2) dro-static	Gas Rate (Mcf/d
ISI: No return. FF: BOB at 2 min. ISI: No return. ISI: No return. Pressure vs. The state means the state of the stat	inc SUC Temporal re- Temporal re- Tempora	(Min.) (Min.)	Pressure (psig) 2124.30 119.79 274.52 1196.63 263.67 393.15 1189.81	Temp (deg F) 102.26 101.58 114.79 113.37 113.07 116.66 115.92 116.17	Annota Initial Hy Open To Shut-In(End Shu Final Hy Shut-In(End Shu Final Hy	ation dro-static Flow (1) 1) t-ln(1) Flow (2) 2) t-ln(2) dro-static	Gas Rate (Mcf/d

478. 	DRILL STEM TES		ORT			•
RILOBITE	Palomino Petroleum			-34w Sco	HK8	
TESTING , IN				lilkinson		
	New ton KS 67114		Job Tick	et: 64640	DS	T#: 3
	ATTN: Ryan Seib		Test Sta	rt: 2016.0	3.11 @ 05:12:0	00
GENERAL INFORMATION:						
Formation:LKCI - JDeviated:NoWhipstockTime Tool Opened:07:03:45Time Test Ended:10:14:00	ft (KB)		Test Tyj Tester: Unit No:		entional Botton ey Walter	n Hole (Reset)
Interval:4174.00 ft (KB) ToTotal Depth:4235.00 ft (KB) (Hole Diameter:7.88 inches H			Referen	ce Elevatio KB to GR	3156	.00 ft (KB) 6.00 ft (CF) 6.00 ft
Serial #: 8522OutsidePress@RunDepth:psigStart Date:2016.03.1Start Time:05:12:05		2016.03.11 10:13:44	Capacity: Last Calib.: Time On Btm: Time Off Btm		8000 1899.12	0.00 psig 2.30
TEST COMMENT: IF: BOB at 2 m ISI: No return. FF: BOB at 2 n ISI: No return.						
Pressure v			PRES	SURE S	UMMARY	
220 522 Presure 522 Presure 520 520 520 520 520 520 520 520		Time (Min.)	f i i i i i i i i i i i i i i i i i i i	emp Ar	notation	
Recover	f			Gas Ra	tes	_
Length (ft) Description 800.00 mcw 15m 85w (Oil spo	Volume (bbl) ts) 10.14			Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
* Recovery from multiple tests			Pr	e in owner block of		

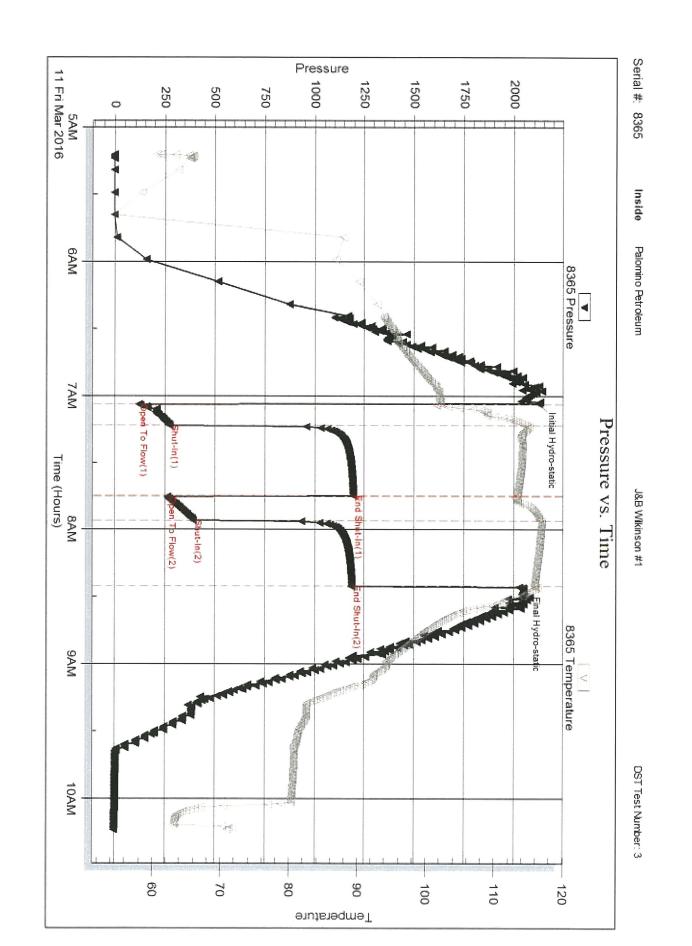
Ref. No: 64640

家でした	RILOB			o Petroleum			21-17s-34w Se	cott,KS	;
	I EST	ING , INC	4924 SF	E84th St			J&B Wilkinso	n #1	
			1	KS 67114			Job Ticket: 64640		DST#: 3
W.			ATTN:	Ryan Seib			Test Start: 2016.		
Tool Information			[
Drill Pipe: Le	ength:	4060.00 ft	Diameter:	3.80 ir	nches Volur	ne: 56.95 bbl	Tool Weight:		2500.00 lb
Heavy Wt. Pipe: Lo	.ength:	ft	Diameter:	0.00 ir	nches Volur	ne: 0.00 bbl	Weight set on	Packer:	25000.00 lb
Drill Collar: Le	ength:	119.00 ft	Diameter:	2.25 ir	nches Volur	ne: 0.59 bbl	Weight to Pull		
		00.00.0			Total Volur	me: 57.54 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		32.00 ft					String Weight:	Initial	68000.00 lb
Depth to Top Packer Depth to Bottom Pac		4174.00 ft ft						Final	70000.00 lb
Depth to Bottom Pac Interval between Pa		۲۲ 61.00 ft							
Tool Length:	JUNCI J.	88.00 ft							
Number of Packers:		2	Diameter:	6.75 ir	nches				
Tool Comments:		-							
Tool Description		Lei	nath (ft)	Serial No.	Positior) Depth (ft) 4	Accum Lengths		
		Lei	- · ·	Serial No.	Positior		Accum. Lengths		
Change Over Sub		Lei	ngth (ft) 1.00 5.00	Serial No.	Positior	Depth (ft) 4148.00 4153.00	Accum. Lengths		
Change Over Sub Shut in Tool		Lei	1.00	Serial No.	Positior	4148.00	Accum. Lengths		
Change Over Sub Shut in Tool Hydraulic tool		Lei	1.00 5.00	Serial No.	Positior	4148.00 4153.00	Accum. Lengths		
Change Over Sub Shut In Tool Hydraulic tool Jars		Lei	1.00 5.00 5.00	Serial No.	Position	4148.00 4153.00 4158.00	Accum. Lengths		
Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint		Le	1.00 5.00 5.00 5.00	Serial No.	Positior	4148.00 4153.00 4158.00 4163.00	Accum. Lengths		Bottom Of Top Packe
Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer		Lei	1.00 5.00 5.00 5.00 2.00	Serial No.	Positior	4148.00 4153.00 4158.00 4163.00 4165.00			Bottom Of Top Packe
Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer		Le	1.00 5.00 5.00 5.00 2.00 5.00	Serial No.	Position	4148.00 4153.00 4158.00 4163.00 4165.00 4170.00			Bottom Of Top Packs
Tool Description Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder		Le	1.00 5.00 5.00 5.00 2.00 5.00 4.00 1.00 0.00	8365	Insid	4148.00 4153.00 4158.00 4163.00 4165.00 4170.00 4174.00 4175.00 e 4175.00			Bottom Of Top Packe
Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder Recorder		Le	1.00 5.00 5.00 5.00 2.00 5.00 4.00 1.00 0.00 0.00			4148.00 4153.00 4158.00 4163.00 4165.00 4170.00 4170.00 4175.00 e 4175.00 e 4175.00			Bottom Of Top Packe
Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder Recorder Perforations		Le	1.00 5.00 5.00 2.00 5.00 4.00 1.00 0.00 0.00 24.00	8365	Insid	4148.00 4153.00 4158.00 4163.00 4165.00 4170.00 4174.00 4174.00 4175.00 e 4175.00 e 4175.00 4199.00			Bottom Of Top Packs
Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder Recorder Recorder Perforations Change Over Sub		Le	1.00 5.00 5.00 2.00 5.00 4.00 1.00 0.00 24.00 1.00	8365	Insid	4148.00 4153.00 4153.00 4163.00 4165.00 4170.00 4174.00 4175.00 e 4175.00 e 4175.00 4199.00 4200.00			Bottom Of Top Packe
Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder Recorder Recorder Perforations Change Over Sub Drill Pipe		Le	1.00 5.00 5.00 5.00 2.00 5.00 4.00 1.00 0.00 24.00 1.00 31.00	8365	Insid	4148.00 4153.00 4153.00 4163.00 4165.00 4170.00 4175.00 e 4175.00 e 4175.00 e 4175.00 4199.00 4200.00 4231.00			Bottom Of Top Packe
Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder Recorder Perforations Change Over Sub Drill Pipe Change Over Sub		Le	1.00 5.00 5.00 2.00 5.00 4.00 1.00 0.00 24.00 1.00 31.00 1.00	8365	Insid	4148.00 4153.00 4153.00 4163.00 4165.00 4170.00 4174.00 4175.00 e 4175.00 e 4175.00 e 4175.00 4199.00 4200.00 4231.00 4232.00	27.00		· · · · · · · · · · · · · · · · · · ·
Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Packer Stubb Recorder Recorder Recorder Perforations Change Over Sub Drill Pipe Change Over Sub Bullnose		Ler	1.00 5.00 5.00 5.00 2.00 5.00 4.00 1.00 0.00 24.00 1.00 31.00	8365	Insid	4148.00 4153.00 4153.00 4163.00 4165.00 4170.00 4175.00 e 4175.00 e 4175.00 e 4175.00 4199.00 4200.00 4231.00		Bot	Bottom Of Top Packe

TESTIN	E -	DRILL STEM TEST REPORT			LUID SUMMAR
	's wn		21-17s-34w		
	1	4924 SE 84th St New ton KS 67114	J&B Wilkin Job Ticket: 64		DST#: 3
	4	ATTN: Ryan Seib		016.03.11 @ 05	
ud and Cushion Inforn	nation				
d Type: Gel Chem d Weight: 9.00 lb/ga cosity: 51.00 sec, ter Loss: 9.58 in ³ sistivity: ohm inity: 5000.00 ppm er Cake: 1.00 inch	/qt n.m n	Cushion Type: Cushion Length: Cushion Volume: Gas Cushion Type: Gas Cushion Pressure:		Oil API: Water Salinity:	0 deg API 53000 ppm
covery Information					
		Recovery Table		1	
	Length ft	Description	Volume bbl		
	800	0.00 mcw 15m 85w (Oil spots)	10.138		
Labora	Fluid Samples atory Name: /ery Commen	:: 0 Num Gas Bombs: 0 Laboratory Location: nts: rw is .280 @ 48F= 53000ppm	Serial #:		

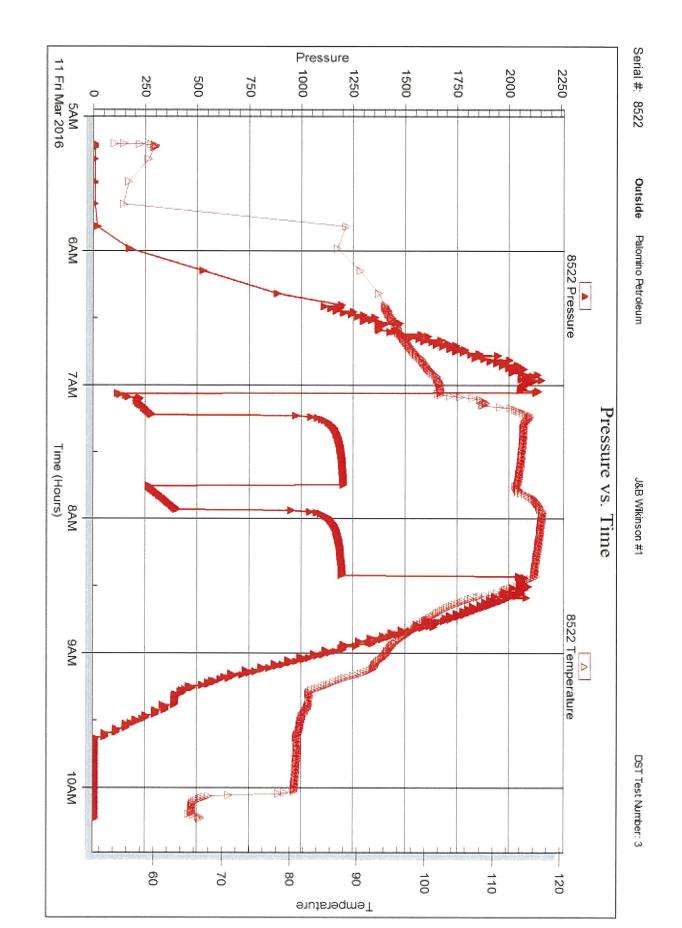
Printed: 2016.03.15 @ 13:44:15

Ref. No: 64640



Printed: 2016.03.15 @ 13:44:15

Ref. No: 64640





DRILL STEM TEST REPORT

Prepared For: Palomino Petroleum

4924 SE 84th St Newton KS 67114

ATTN: Ryan Seib

J&B Wilkinson #1

21-17s-34w Scott,KS

Start Date: 2016.03.11 @ 20:09:00 End Date: 2016.03.12 @ 01:56:45 Job Ticket #: 64641 DST #: 4

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

RILOBITE	DRILL STEM TE	SIREP	URI				
	Palomino Petroleum		21-	-17s-34w	Scott	,KS	
ESTING , INC	4924 SE 84th St New ton KS 67114			B Wilkir Ticket: 64			· #:4
	ATTN: Ryan Seib		Tes	t Start: 20)16.03.1	1 @ 20:09:0	0
GENERAL INFORMATION:	···						
Formation: LKC K-L Deviated: No Whipstock: Time Tool Opened: 22:27:00 Time Test Ended: 01:56:45	ft (KB)		Tes	ter:	Convent Bradley 69		Hole (Reset)
nterval: 4242.00 ft (KB) To 434 Total Depth: 4340.00 ft (KB) (TV 1000 ft (KB) (TV Hole Diameter: 7.88 inchesHole 1000 ft (KB) (TV			Ref	erence Ele	evations o GR/CF	3156	.00 ft (KB) .00 ft (CF) .00 ft
				ND I		0	.00 ft
Serial #: 8365 Inside Press@RunDepth: 839.98 psig () Start Date: 2016.03.11) Start Time: 20:09:05)	 4243.00 ft (KB) End Date: End Time: 	2016.03.12 01:56:44	Capacity Last Cali Time On Time Off	ib.: Btm: 2		8000 2016.03 .11 @ 22:26 .11 @ 23:55	:00
EST COMMENT: IF: BOB at 45 sec ISI: No return. FF: BOB at 1 min. FSI: No return. Pressure vs. Tr	nc		PI	RESSUF	RESU	MARY	
220 - S335 Pressure	8005 Torpordure	Time	Pressure	Temp	r	tation	
		(Min.) 0	(psig) 2130.32	(deg F) 104.40	Initial H	lydro-static	
		1	323.59	104.45	Open 1	Fo Flow (1)	
		13 43	604.99 1222.48	117.32 116.09		n(1) nut-ln(1)	
			666.40			Flow (2)	
1000		53	839.98	117.76	1		
		- 87 90	1221.69 2119.66	116.66 116.54	1	ut-In(2) ydro-static	
Silu Time(Hom)	12.34						
Recovery				- <u> </u>	s Rate		
Longth (#)	Volume (bbl)			Choke (ii	ncnes) Pi	ressure (psig)	Gas Rate (Mcf/d)
Length (ft)Description1770.00mcw 5m 95w (oil spots)	23.74						
	23.74						
	23.74						

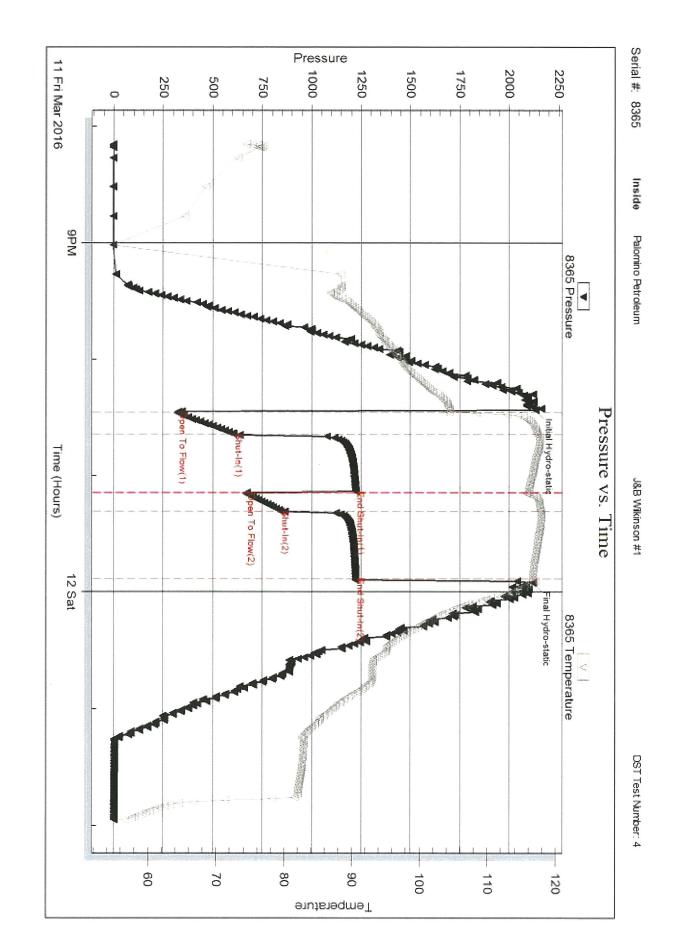
	DRILL STEM TES	ST REPO	DRT	a, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
	Palomino Petroleum		21-17s-34	w Scott,K	S
ESTING , INC	4924 SE 84th St		J&B Wilk	inson #1	
	New ton KS 67114		Job Ticket:	64641	DST#:4
	ATTN: Ryan Seib		Test Start:	2016.03.11 @	20:09:00
GENERAL INFORMATION:					
Formation:LKCK-LDeviated:NoWhipstock:Time Tool Opened:22:27:00Time Test Ended:01:56:45	ft (KB)		Test Type: Tester: Unit No:	Convention Bradley Wa 69	al Bottom Hole (Reset) liter
Interval:4242.00 ft (KB) To43Total Depth:4340.00 ft (KB) (TvHole Diameter:7.88 inches Hole			Reference KI	Elevations: B to GR/CF:	3161.00 ft (KB) 3156.00 ft (CF) 5.00 ft
Serial #: 8522OutsidePress@RunDepth:psigStart Date:2016.03.11Start Time:20:09:05TEST COMMENT:IF: BOB at 45 sec	End Date: End Time:	2016.03.12 01:57:59	Capacity: Last Calib.: Time On Btm: Time Off Btm:		8000.00 psig 2016.03.12
ISI: No return. FF: BOB at 1 min. FSI: No return. Pressure vs. Ti			PRESSI	JRE SUMN	14RY
220	2522 Tompendure	Time	Pressure Temp	Annotat	
1 Fille 200 Tre (har)		(Min.)	(psig) (deg F		
Recovery	· · · · · · · · · · · · · · · · · · ·		G	as Rates	
Length (ft) Description	Volume (bbl)		Chok	e (inches) Press	ure (psig) Gas Rate (Mcf/d)
1770.00 mcw 5m 95w (oil spots)	23.74				
Recovery from multiple tests Trilobite Testing, Inc	Ref. No: 64641		·		5@13:43:03

Packer 4.00 4242.00 Stubb 1.00 4243.00 Recorder 0.00 8365 Inside 4243.00 Recorder 0.00 8522 Outside 4243.00 Perforations 29.00 4272.00 4272.00 Change Over Sub 1.00 4236.00 4236.00 Drill Pipe 63.00 4336.00 4337.00 Bullnose 3.00 4340.00 98.00 Bottom Packers & Anchor	New ton KS 67114 Job Ticket: 64641 DST#: 4 ATTN: Ryan Seib Test Start: 2016.03.11 @ 20.09:00 Tool Information Dill Pipe: Length: 4120.00 ft Diameter: 3.80 inches Volume: 0.00 bbl Weight: 2500.00 lb Prev VM. Pipe: Length: 119.00 ft Diameter: 0.00 inches Volume: 0.00 bbl Weight set on Packer: 2500.00 lb Drill Pipe: Length: 119.00 ft Diameter: 2.25 inches Volume: 0.59 bbl Weight to Pall Loss: 75000.00 lb Drill Pipe Above KB: 24.00 ft Diameter: 2.25 inches Volume: 58.38 bbl Tool Chased 0.00 ft Depth to Top Packer: 4242.00 ft Total Volume: 58.38 bbl Total Chased 0.00 ft String Weight: 1125.00 ft Total Volume: 67.75 inches String Weight: Final 63000.00 lb Shut In Tool 5.00 4216.00 4216.00 Attributer Final 63000.00 lb Shut In Tool 5.00 4228.00 27.00 Bottom Of Top Packer Starey Loint 2.00 4228	New ton KS 57114 Job Ticket: 64641 DST#:4 ATTN: Ryan Selb Test Start: 2016.03.11 @ 20:09:00 Tool Information Drill Pipe: Length: 4120.00 ft Diameter: 3.80 inches Volume: 57.79 bbl Tool Weight: 2500.00 ib Play VM. Pipe: Length: 119.00 ft Diameter: 2.25 inches Volume: 0.00 bbl Weight set on Packer: 2500.00 ib Weight set on Packer: 2500.00 ib Diff Dop Packer: 424.00 ft Total Volume: 58.38 bbl Tool Octased 0.00 ft Depth to Top Packer: 424.00 ft Total Volume: 58.38 bbl Tool Chead 0.00 ib Number of Packers: 2 Diameter: 6.75 inches String Weight: Initial 55000.00 ib Final 63000.00 ib Shut In Tool 5.00 42216.00 4216.00 Jakes 5.00 4221.00 Safety Joint 2.00 4233.00 27.00 Battom Of Top Packer Packer 5.00 4233.00 27.00 Battom Of Top Packer Stubb 1.00 4243.00 2433.00 <	New ton KS 57114 Job Ticket: 64641 DST#:4 ATTN: Ryan Seib Test Start: 2016.03.11 @ 20:09:00 Tool Information Drill Pipe: Length: 4120.00 ft Dameter: 3.80 inches Volume: 57.79 bbl Tool Weight: 2500.00 ib Heavy WL Pipe: Length: 119.00 ft Dameter: 2.25 inches Volume: 0.00 bbl Weight set on Packer: 2500.00 lb Drill Pipe: Length: 119.00 ft Dameter: 2.25 inches Volume: 0.59 bbl Tool Weight: 7500.00 lb Drill Pipe Above KB: 24.00 ft Total Volume: 58.38 bbl Tool Ochased 0.00 ft Depth to Top Packer: 424.00 ft Total Volume: 58.38 bbl Tool Ochased 0.00 ft Number of Packers: 2 Diameter: 6.75 inches String Weight: Initial 5800.00.00 lb Shut h Tool 5.00 42216.00 4226.00 Jars Solo 4228.00 Jars Solo 4233.00 Packer Packer Solo 4233.00 Packer Packer Solo 424	RILOE			o Petroleum		<u></u>	21-17s-34w Scott,I	KS
Tool Information Length: 4120.00 ft Diameter: 3.80 inches Volume: 57.79 bbl Tool Weight: 2500.00 lb Peavy WL Piez, Length: 0.00 ft Diameter: 0.00 inches Volume: 0.00 bbl Weight set on Packer: 2500.00 lb Drill Collar: Length: 119.00 ft Diameter: 2.25 inches Volume: 0.59 bbl Weight to Pull Loose: 75000.00 lb Drill Pipe Above KB: 24.00 ft Diameter: 58.38 bbl Tool Chased 0.00 ft Depth to Do Packer: 4242.00 ft Total Volume: 58.38 bbl Tool Chased 0.00 ft Depth to Do Packer: 4242.00 ft Total Volume: 58.38 bbl Tool Chased 0.00 ft Tool Length: 125.00 ft Total Volume: 58.38 bbl Tool Chased 0.00 ft Number of Packers: 2 Diameter: 6.75 inches Tool Comments: Final 63000.00 lb Tool Description Length (ft) Serial No. Position Depth (ft) Accum. Lengths Change Over Sub 1.00 4221.00 4231.0	Tool Information Drill Fipe: Length: 4120.00 ft Diameter: 3.80 inches Volume: 57.79 bbl Tool Weight: 2500.00 lb Peavy WL Fipe: Length: 119.00 ft Diameter: 0.00 inches Volume: 0.00 bbl Weight set on Packer: 2500.00 lb Drill Collar: Length: 119.00 ft Diameter: 2.25 inches Volume: 0.59 bbl Weight to Pull Loose: 75000.00 lb Drill Fipe Above KB: 24.00 ft Diameter: 58.38 bbl Tool Chased 0.00 ft Depth to Poacker: 4242.00 ft Total Volume: 58.38 bbl Tool Chased 0.00 ft Depth to Top Packer: 4242.00 ft Total Volume: 58.38 bbl Tool Chased 0.00 ft Tool Length: 125.00 ft Number of Packers: 2 Diameter: 6.75 inches Tool Comments: 1.00 4216.00 4221.00 4231.00 4231.00 Safety Joint 2.00 4238.00 27.00 Bottom Of Top Packer Stubb 1.00 4243.00 4243.00 Acker 5.	Tool Information Length: 4120.00 ft Diameter: 3.80 inches Volume: 57.79 bbl Tool Weight: 2500.00 lb Peavy WL Piez, Length: 10.00 ft Diameter: 0.00 inches Volume: 0.00 bbl Weight set on Packer: 2500.00 lb Drill Collar: Length: 119.00 ft Diameter: 2.25 inches Volume: 0.59 bbl Weight to Pull Loose: 75000.00 lb Drill Pipe Above KB: 24.00 ft Diameter: 58.38 bbl Tool Chased 0.00 ft Depth to Do Packer: 4242.00 ft Total Volume: 58.38 bbl Tool Chased 0.00 ft Tool Length: 125.00 ft Total Volume: 58.38 bbl Tool Chased 0.00 ft Number of Packers: 2 Diameter: 6.75 inches Tool Comments: Final 63000.00 lb Tool Description Length (ft) Serial No. Position Depth (ft) Accum. Lengths Change Over Sub 1.00 4216.00 4221.00 4233.00 Packer Safety Joint 2.00 4238.00 27.00 Bottom Of Top Packer	Tool Information Length: 4120.00 ft Diameter: 3.80 inches Volume: 57.79 bbl Tool Weight: 2500.00 lb Peavy WL Piez, Length: 0.00 ft Diameter: 0.00 inches Volume: 0.00 bbl Weight set on Packer: 2500.00 lb Drill Collar: Length: 119.00 ft Diameter: 2.25 inches Volume: 0.59 bbl Weight to Pull Loose: 75000.00 lb Drill Pipe Above KB: 24.00 ft Diameter: 58.38 bbl Tool Chased 0.00 ft Depth to Do Packer: 4242.00 ft Total Volume: 58.38 bbl Tool Chased 0.00 ft Depth to Do Packer: 4242.00 ft Total Volume: 58.38 bbl Tool Chased 0.00 ft Tool Length: 125.00 ft Total Volume: 58.38 bbl Tool Chased 0.00 ft Number of Packers: 2 Diameter: 6.75 inches Tool Comments: Final 63000.00 lb Tool Description Length (ft) Serial No. Position Depth (ft) Accum. Lengths Change Over Sub 1.00 4221.00 4231.0	EST	FING , INC						DST#:4
Drill Pipe: Length: 4120.00 ft Diameter: 3.80 inches Volume: 57.79 bbl Tool Weight: 2500.00 lb Heavy Wi, Pipe: Length: 0.00 it Diameter: 0.00 inches Volume: 0.00 bbl Weight to Pull Loose: 7500.00 lb Drill Colar: Length: 119.00 ft Diameter: 2.25 inches Volume: 0.59 bbl Weight to Pull Loose: 7500.00 lb Drill Pipe Above KB: 24.00 ft Total Volume: 58.38 bbl Tool Chased 0.00 it Depth to Top Packer: 4242.00 ft Total Volume: 58.38 bbl String Weight: 118.00 lb Number of Packer: 98.00 ft Tosl Final 63000.00 lb String Weight: Strin	Image: Drill Pipe: Length: 4120.00 ft Diameter: 3.80 inches Volume: 57.79 bbl Tool Weight: 2500.00 b Heavy W, Pipe: Length: 119.00 ft Diameter: 0.00 inches Volume: 0.00 bbl Weight to Pull Loose: 7500.00 b Drill Pipe: Length: 119.00 ft Diameter: 2.25 inches Volume: 0.00 bbl Weight to Pull Loose: 7500.00 b Drill Pipe Above KB: 24.00 ft Total Volume: 58.38 bbl Tool Chased 0.00 ft Depth to Top Packer: 4242.00 ft Total Volume: 58.38 bbl Tool Chased 0.00 ft Depth to Top Packer: 4242.00 ft Ft String Weight: Initial 58000.00 b Pipt to Bottom Backer: 125.00 ft Tool Chased 0.00 it String Weight: Initial 58000.00 b String Weight: 1.00 4216.00 String Weight: Initial 58000.00 b Shut In Tool 5.00 4221.00 4226.00 Jars 5.00 4233.00 String Weight: 1.00 4243.00 27.00 Bottom Of Top Packer<	Drill Pipe: Length: 4120.00 ft Diameter: 3.80 inches Volume: 57.79 bbl Tool Weight: 2500.00 ib Heavy Wt. Pipe: Length: 0.00 in the Brance: 0.25 inches Volume: 0.00 bbl Weight to Pull Losse: 7500.00 ib Drill Colar: Length: 119.00 ft Diameter: 0.25 inches Volume: 0.59 bbl Weight to Pull Losse: 7500.00 ib Drill Pipe Above KB: 24.00 ft Total Volume: 58.38 bbl Tool Chased 0.00 ft Depth to Top Packer: 4242.00 ft Total Volume: 58.38 bbl Tool Chased 0.00 ft Diameter: 98.00 ft Tool Packers: 98.00 ft String Weight: Initial 58000.00 lb Number of Packers: 9 Diameter: 6.75 inches Final 63000.00 lb Shut In Tool 5.00 4216.00 4216.00 4216.00 4226.00 4231.00 Safety Joint 2.00 4233.00 4233.00 27.00 Bottom Of Top Packer Packer 5.00 4238.00 27.00 Bottom Of Top Packer	Drill Pipe: Length: 4120.00 ft Diameter: 3.80 inches Volume: 57.79 bbl Tool Weight: 2500.00 lb Heavy Wt. Pipe: Length: 0.00 inthes Volume: 0.00 bbl Weight to Pull Loose: 7500.00 lb Drill Colar: Length: 119.00 ft Diameter: 2.25 inches Volume: 0.59 bbl Weight to Pull Loose: 7500.00 lb Drill Pipe Above KB: 24.00 ft Tool Volume: 58.38 bbl Tool Chased 0.00 in Dept ho Top Packer: 4242.00 ft Tool Pased 0.00 ib String Weight: Initial 58000.00 lb Dept ho Top Packer: 98.00 ft Tool Chased 0.00 ib String Weight: Initial 58000.00 lb Number of Packers: 2 Diameter: 6.75 inches String Weight: Initial 58000.00 lb Shut In Tool 5.00 4216.00 4216.00 4221.00 4226.00 Jars 5.00 4233.00 Packer 420.0 String Weight: String Weight: String Weight: String Weight: String Weight: String Weight:			ATTN:	Ryan Seib			Test Start: 2016.03.11	@ 20:09:00
Heavy Wt. Pipe: Length: 119.00 ft Diameter: 0.00 inches Volume: 0.00 bbl Weight set on Packer: 25000.00 lb Drill Collar: Length: 119.00 ft Diameter: 2.25 inches Volume: 0.59 bbl Weight set on Packer: 25000.00 lb Drill Pipe Above KB: 24.00 ft Total Volume: 58.38 bbl Total Volume: 58.38 bbl Weight is et on Packer: 25000.00 lb Depth to Top Packer: 4242.00 ft Total Volume: 58.38 bbl Total Volume: 58.00 ft Dopt to Bottom Packer: 98.00 ft 125.00 ft String Weight: Initial 58000.00 lb Final 63000.00 lb Number of Packers: 28.00 ft 100 4216.00 String Weight: Initial 58000.00 lb Shut In Tool 5.00 4221.00 4216.00 4216.00 Shut In Tool 5.00 42231.00 42231.00 Safety Joint 2.00 4233.00 Packer Packer 5.00 4233.00 Packer Recorder 0.00 8365 Inside 4243.00 Recorder 0.00 8365 Inside 4243.00 R	Heavy WI. Pipe: Length: 0.00 ft Diameter: 0.00 inches Volume: 0.00 bbl Weight is et on Packer: 25000.00 is Drill Collar: Length: 119.00 ft Dameter: 2.25 inches Volume: 0.59 bbl Weight is et on Packer: 25000.00 is Drill Flop Above KB: 24.00 ft Total Volume: 58.38 bbl Total Chased 0.00 th Depth to Top Packer: 4242.00 ft Total Volume: 58.38 bbl Total Chased 0.00 th Depth to Packers: 96.00 ft Total Volume: 58.38 bbl String Weight: Initial 58000.00 is Number of Packers: 98.00 ft Total Volume: 6.75 inches String Weight: Initial 58000.00 is Shut In Tool 5.00 4216.00 String Weight: Initial 58000.00 is String Weight: Initial 58000.00 is Shut In Tool 5.00 4221.00 String Weight: Initial 58000.00 is String Weight: Initial 58000.00 is Stery Sub 1.00 42231.00 String Weight: Initial 58000.00 is String Weight: Initial 58000.00 is Stery Subit 2.00 4233.00 String Weight: Initial 58000.00 is String Weight: Initial 5800.00 is Stery Subit 1.00 <td>Heavy Wt. Pipe: Length: 0.00 ft Diameter: 0.00 inches Volume: 0.00 bbl Weight is et on Packer: 25000.00 ib Drill Colar: Length: 119.00 ft Dameter: 2.25 inches Volume: 0.59 bbl Weight is et on Packer: 25000.00 ib Drill Pipe Above KB: 24.00 ft Total Volume: 58.38 bbl Total Chased 0.00 th Depth to Top Packer: 4242.00 ft Total Volume: 58.38 bbl String Weight: Initial 58000.00 ib Depth to Bottom Packer: 98.00 ft Total Volume: 6.75 inches String Weight: Initial 58000.00 ib Number of Packers: 2 Diameter: 6.75 inches String Weight: Initial 58000.00 ib Shut In Tool 5.00 4216.00 4216.00 String Weight: Initial 5800 Jars Start In Tool 5.00 42231.00 4226.00 Jars Stotem Of Top Packer Stept Joint 2.00 4238.00 27.00 Bottom Of Top Packer Packer 5.00 4233.00 27.00 Bottom Of Top Packer <</td> <td>Heavy W. Pipe: Length: 0.00 ft Diameter: 0.00 inches Volume: 0.00 bbl Weight set on Packer: 25000.00 b Drill Collar: Length: 119.00 ft Dameter: 2.25 inches Volume: 0.59 bbl Weight set on Packer: 25000.00 b Drill Pipe Above KB: 24.00 ft Total Volume: 58.38 bbl Tool Chased 0.00 ft Depth to Top Packer: 4242.00 ft Total Volume: 58.38 bbl String Weight: Initial 58000.00 lb Depth to Top Packer: 98.00 ft Total Volume: 58.38 bbl String Weight: Initial 58000.00 lb Number of Packers: 98.00 ft Total Volume: 6.75 inches String Weight: Initial 58000.00 lb Shut In Tool 5.00 4216.00 String Weight: Initial 58000.00 lb String Weight: Initial 5800 Shut In Tool 5.00 4221.00 String Weight: Initial 5800 String Weight: Initial 5800 Safety Joint 2.00 42231.00 String Weight: Initial String Weight: Initial</td> <td>Tool Information</td> <td></td> <td></td> <td></td> <td></td> <td>*****</td> <td></td> <td></td>	Heavy Wt. Pipe: Length: 0.00 ft Diameter: 0.00 inches Volume: 0.00 bbl Weight is et on Packer: 25000.00 ib Drill Colar: Length: 119.00 ft Dameter: 2.25 inches Volume: 0.59 bbl Weight is et on Packer: 25000.00 ib Drill Pipe Above KB: 24.00 ft Total Volume: 58.38 bbl Total Chased 0.00 th Depth to Top Packer: 4242.00 ft Total Volume: 58.38 bbl String Weight: Initial 58000.00 ib Depth to Bottom Packer: 98.00 ft Total Volume: 6.75 inches String Weight: Initial 58000.00 ib Number of Packers: 2 Diameter: 6.75 inches String Weight: Initial 58000.00 ib Shut In Tool 5.00 4216.00 4216.00 String Weight: Initial 5800 Jars Start In Tool 5.00 42231.00 4226.00 Jars Stotem Of Top Packer Stept Joint 2.00 4238.00 27.00 Bottom Of Top Packer Packer 5.00 4233.00 27.00 Bottom Of Top Packer <	Heavy W. Pipe: Length: 0.00 ft Diameter: 0.00 inches Volume: 0.00 bbl Weight set on Packer: 25000.00 b Drill Collar: Length: 119.00 ft Dameter: 2.25 inches Volume: 0.59 bbl Weight set on Packer: 25000.00 b Drill Pipe Above KB: 24.00 ft Total Volume: 58.38 bbl Tool Chased 0.00 ft Depth to Top Packer: 4242.00 ft Total Volume: 58.38 bbl String Weight: Initial 58000.00 lb Depth to Top Packer: 98.00 ft Total Volume: 58.38 bbl String Weight: Initial 58000.00 lb Number of Packers: 98.00 ft Total Volume: 6.75 inches String Weight: Initial 58000.00 lb Shut In Tool 5.00 4216.00 String Weight: Initial 58000.00 lb String Weight: Initial 5800 Shut In Tool 5.00 4221.00 String Weight: Initial 5800 String Weight: Initial 5800 Safety Joint 2.00 42231.00 String Weight: Initial	Tool Information					*****		
Drill Pipe Above KB: 24.00 ft String Weight: Initial 58000.00 lb Depth to Top Packer: 4242.00 ft Final 63000.00 lb Depth to Bother Packer: ft 63000.00 lb Final 63000.00 lb Interval betw een Packers: 98.00 ft 6.75 inches 6.75 inches 6.75 inches Tool Length: 125.00 ft Diameter: 6.75 inches Depth (ft) Accum. Lengths Tool Ocomments: 1.00 4216.00 4221.00 4223.00 4223.00 4233.00 4233.00 4233.00 4233.00 4233.00 4243.00 4243.00 4243.00 4243.00 4243.00 4243.00 4243.00 4243.00 4243.00 4243.00 4243.00 4243.00 4243.00 4243.00 4243.00 4243.00 4243.00	Drill Pipe Above K8: 24.00 ft String Weight: Initial 58000.00 lb Depth to Top Packer: 4242.00 ft Final 63000.00 lb Depth to Bothom Packer: ft 63000.00 lb Final 63000.00 lb Tool Description 125.00 ft Number of Packers: 2 Diameter: 6.75 inches Tool Comments: Depth (ft) Serial No. Position Depth (ft) Accum. Lengths Change Over Sub 1.00 4216.00 4221.00 4226.00 4226.00 4226.00 4231.00 4233.00 4233.00 4238.00 27.00 Bottom Of Top Packer Packer 5.00 4228.00 4243.00<	Drill Pipe Above K8: 24.00 ft String Weight: Initial 58000.00 lb Depth to Top Packer: 4242.00 ft Final 63000.00 lb Depth to Bother Packer: ft Final 63000.00 lb Interval betw een Packers: 98.00 ft 58000.00 lb Final 63000.00 lb Number of Packers: 2 Diameter: 6.75 inches 6.75 inches Tool Description Length (ft) Serial No. Position Depth (ft) Accum. Lengths Change Over Sub 1.00 4216.00 4221.00 4221.00 4221.00 Shut In Tool 5.00 4228.00 4233.00 4233.00 4233.00 Safety Joint 2.00 4238.00 27.00 Bottom Of Top Packer Packer 4.00 4242.00 4243.00 4243.00 4243.00 Recorder 0.00 8365 Inside 4243.00 4243.00 4243.00 Recorder 0.00 8365 Inside 4243.00 4243.00 4243.00 4243.00 4243.00 424	Drill Pipe Above K8: 24.00 ft String Weight: Initial 58000.00 lb Depth to Top Packer: 4242.00 ft Final 63000.00 lb Depth to Bothor Packer: ft 63000.00 lb Interval between Packers: 98.00 ft 5000.00 lb Tool Length: 125.00 ft Number of Packers: 2 Number of Packers: 2 Diameter: 6.75 inches Tool Comments: 4216.00 4216.00 Shut In Tool 5.00 4221.00 4226.00 String Weight: 5.00 4233.00 4233.00 Packer 5.00 4233.00 4243.00 Packer 4.00 4242.00 4243.00 Stubb 1.00 4242.00 4243.00 Packer 0.00 8365 1nside 4243.00 Recorder 0.00 8365 1nside 4243.00 Perforations 29.00 4272.00 4243.00 Change Over Sub 1.00 4243.00 4243.00 Perforations 29.00 42	Heavy Wt. Pipe: Length:	0.00 ft	Diameter:	0.00 i	nches Volume: nches Volume:	0.00 bbl 0.59 bbl	Weight set on Packet Weight to Pull Loose	er: 25000.00 lb e: 75000.00 lb
Number of Packers: 2 Diameter: 6.75 inches Tool Comments: Tool Description Length (ft) Serial No. Position Depth (ft) Accum. Lengths Change Over Sub 1.00 4216.00 4221.00 4226.00 4226.00 4231.00 4231.00 500 4233.00 4233.00 4233.00 4243.00 500 4243.00 500 500 4243.00 500 4243.00 500 4243.00 500 4243.00 500 4243.00 500 4243.00 500 4243.00 500 4243.00 500 4243.00 500 500 4243.00 500 4243.00 500 4243.00 500 4243.00 500 4243.00 500 4243.00 500 4243.00 500 4243.00 500 500 4272.00 500 4272.00 500 4272.00 500 4273.00 500 4273.00 500 500 4273.00 500 500 500 500 500 500 500 500<	Number of Packers: 2 Diameter: 6.75 inches Tool Comments: Tool Pescription Length (ft) Serial No. Position Depth (ft) Accum. Lengths Change Over Sub 1.00 4216.00	Number of Packers: 2 Diameter: 6.75 inches Tool Comments: Tool Description Length (ft) Serial No. Position Depth (ft) Accum. Lengths Tool Description Length (ft) Serial No. Position Depth (ft) Accum. Lengths Change Over Sub 1.00 4216.00 Accum. Lengths Shut In Tool 5.00 42221.00 Hydraulic tool 5.00 4233.00 Safety Joint 2.00 4233.00 Packer 5.00 4243.00 Packer 0.00 8365 Inside 4243.00 Recorder 0.00 8522 Outside 4243.00 Perforations 29.00 4272.00 Change Over Sub 1.00 4273.00 Drill Pipe 63.00 4336.00 Change Over Sub 1.00 4337.00 Bottom Packers & Anchor Bullnose 3.00 4340.00 98.00 Bottom Packers & Anchor	Number of Packers: 2 Diameter: 6.75 inches Tool Comments: Tool Pescription Length (ft) Serial No. Position Depth (ft) Accum. Lengths Change Over Sub 1.00 4216.00 4221.00 4226.00 4226.00 4231.00 5.00 4233.00 4233.00 4233.00 4233.00 4233.00 5.00 4242.00 5.00 4243.00 5.00 4243.00 5.00 4243.00 5.00 4243.00 5.00 4243.00 5.00 4243.00 5.00 4243.00 5.00 4243.00 5.00 4243.00 5.00 4243.00 5.00 4272.00 5.00 4272.00 5.00 4272.00 5.00 4272.00 5.00 4272.00 5.00 4273.00 5.00 4273.00 5.00 4273.00 5.00 4273.00 5.00 4273.00 5.00 4273.00 5.00 4233.00 5.00 4273.00 5.00 4336.00 5.00 4336.00 5.00 4336.00 5.00 58.00 58.00 5	Depth to Top Packer: Depth to Bottom Packer: Interval betw een Packers:	4242.00 ft ft 98.00 ft			lotal Volume:	58.38 DDI	String Weight: Initial	58000.00 lb
Tool Description Length (ft) Serial No. Position Depth (ft) Accum. Lengths Change Over Sub 1.00 4216.00 4221.00 4221.00 Shut In Tool 5.00 4226.00 4231.00 4233.00 Jars 5.00 4233.00 27.00 Bottom Of Top Packer Packer 5.00 4243.00 800 07.00 Bottom Of Top Packer Packer 4.00 4243.00 4243.00 100 4243.00 100 <t< td=""><td>Tool Description Length (ft) Serial No. Position Depth (ft) Accum. Lengths Change Over Sub 1.00 4216.00 4221.00 4226.00 4226.00 4231.00 500 4223.00 500 4233.00 500 4233.00 500 500 4224.00 500 500 4224.00 500 500 4233.00 500 500 4243.00 500 500 4243.00 500 <t< td=""><td>Tool Description Length (ft) Serial No. Position Depth (ft) Accum. Lengths Change Over Sub 1.00 4216.00 4221.00 4221.00 4226.00 4226.00 4231.00 500 42233.00 500 4233.00 500 4224.00 500 500 42238.00 27.00 Bottom Of Top Packer Packer 5.00 4243.00 4243.00 500 4243.00 500 500 4243.00 500</td><td>Tool Description Length (ft) Serial No. Position Depth (ft) Accum. Lengths Change Over Sub 1.00 4216.00 4221.00 4221.00 4226.00 4226.00 42231.00 500 42233.00 500 4233.00 500 42238.00 27.00 Bottom Of Top Packer Packer 5.00 4243.00 4243.00 500 4243.00 500 500 4243.00 500</td><td>Number of Packers:</td><td></td><td>Diameter:</td><td>6.75 i</td><td>nches</td><td></td><td></td><td></td></t<></td></t<>	Tool Description Length (ft) Serial No. Position Depth (ft) Accum. Lengths Change Over Sub 1.00 4216.00 4221.00 4226.00 4226.00 4231.00 500 4223.00 500 4233.00 500 4233.00 500 500 4224.00 500 500 4224.00 500 500 4233.00 500 500 4243.00 500 500 4243.00 500 <t< td=""><td>Tool Description Length (ft) Serial No. Position Depth (ft) Accum. Lengths Change Over Sub 1.00 4216.00 4221.00 4221.00 4226.00 4226.00 4231.00 500 42233.00 500 4233.00 500 4224.00 500 500 42238.00 27.00 Bottom Of Top Packer Packer 5.00 4243.00 4243.00 500 4243.00 500 500 4243.00 500</td><td>Tool Description Length (ft) Serial No. Position Depth (ft) Accum. Lengths Change Over Sub 1.00 4216.00 4221.00 4221.00 4226.00 4226.00 42231.00 500 42233.00 500 4233.00 500 42238.00 27.00 Bottom Of Top Packer Packer 5.00 4243.00 4243.00 500 4243.00 500 500 4243.00 500</td><td>Number of Packers:</td><td></td><td>Diameter:</td><td>6.75 i</td><td>nches</td><td></td><td></td><td></td></t<>	Tool Description Length (ft) Serial No. Position Depth (ft) Accum. Lengths Change Over Sub 1.00 4216.00 4221.00 4221.00 4226.00 4226.00 4231.00 500 42233.00 500 4233.00 500 4224.00 500 500 42238.00 27.00 Bottom Of Top Packer Packer 5.00 4243.00 4243.00 500 4243.00 500 500 4243.00 500	Tool Description Length (ft) Serial No. Position Depth (ft) Accum. Lengths Change Over Sub 1.00 4216.00 4221.00 4221.00 4226.00 4226.00 42231.00 500 42233.00 500 4233.00 500 42238.00 27.00 Bottom Of Top Packer Packer 5.00 4243.00 4243.00 500 4243.00 500 500 4243.00 500	Number of Packers:		Diameter:	6.75 i	nches			
Packer 5.00 4238.00 27.00 Bottom Of Top Packer Packer 4.00 4242.00 4243.00 4243.00 4243.00 4243.00 4243.00 4243.00 4243.00 4243.00 4243.00 42472.00 42472.00 4272.00 4272.00 4273.00 4273.00 4273.00 42330.00 4230.00 <	Packer 5.00 4238.00 27.00 Bottom Of Top Packer Packer 4.00 4242.00 4243.00 4243.00 4243.00 4243.00 4243.00 4243.00 4243.00 4243.00 4243.00 4243.00 4243.00 4272.00 4272.00 4272.00 4272.00 4273.00 4273.00 4273.00 4273.00 4336.00 4337.00 4337.00 4337.00 4340.00 98.00 Bottom Packers & Anchor 4340.00 98.00 Bottom Packers & Anch	Packer 5.00 4238.00 27.00 Bottom Of Top Packer Packer 4.00 4242.00 4243.00 4243.00 4243.00 4243.00 4243.00 4243.00 4243.00 4243.00 4243.00 4243.00 4243.00 4243.00 4243.00 4243.00 4243.00 42472.00 42472.00 42472.00 42472.00 42473.00 4273.00 4273.00 42473.00 42473.00 4337.00 4337.00 4337.00 4340.00 98.00 Bottom Packers & Anchor 4340.00 98.00 Bot	Packer 5.00 4238.00 27.00 Bottom Of Top Packer Packer 4.00 4242.00 4243.00 4243.00 4243.00 4243.00 4243.00 4243.00 4243.00 4243.00 4243.00 4243.00 4243.00 4243.00 4243.00 42472.00 4272.00 4272.00 4272.00 4273.00 4273.00 4273.00 42337.00 4337.00 4337.00 4337.00 4340.00 98.00 Bottom Packers & Anchor	Change Over Sub	Ler	1.00	Serial No.	Position	4216.00	ccum. Lengths	
Jars 5.00 4231.00 Safety Joint 2.00 4233.00 Packer 5.00 4238.00 27.00 Bottom Of Top Packer Packer 4.00 4242.00 500	Jars 5.00 4231.00 Safety Joint 2.00 4233.00 Packer 5.00 4238.00 27.00 Packer 4.00 4242.00 Packer 4.00 4243.00 Packer 0.00 8365 Inside 4243.00 Recorder 0.00 8522 Outside 4243.00 Perforations 29.00 4272.00 4272.00 Change Over Sub 1.00 4236.00 4336.00 Orill Pipe 63.00 4337.00 4340.00 98.00 Bottom Packers & Anchor	Jars 5.00 4231.00 Safety Joint 2.00 4233.00 Packer 5.00 4238.00 27.00 Bottom Of Top Packer Packer 4.00 4242.00 4243.00 4243.00 4243.00 Recorder 0.00 8365 Inside 4243.00 4243.00 4243.00 Perforations 29.00 8522 Outside 4243.00 4243.00 4272.00 Change Over Sub 1.00 4273.00 4273.00 4273.00 4273.00 4336.00 Drill Pipe 63.00 4337.00 4340.00 98.00 Bottom Packers & Anchor Bullnose 3.00 4340.00 98.00 Bottom Packers & Anchor	Jars 5.00 4231.00 Safety Joint 2.00 4233.00 Packer 5.00 4238.00 27.00 Bottom Of Top Packer Packer 4.00 4242.00 500	· · · · · · · · · · · · · · · · · · ·	Ler		Serial No.	Position		ccum. Lengths	
Packer 4.00 4242.00 Stubb 1.00 4243.00 Recorder 0.00 8365 Inside 4243.00 Recorder 0.00 8522 Outside 4243.00 Perforations 29.00 4272.00 42772.00 Change Over Sub 1.00 42336.00 4336.00 Drill Pipe 63.00 4337.00 Bullnose 3.00 4340.00 98.00 Bottom Packers & Anchor	Packer 4.00 4242.00 Stubb 1.00 4243.00 Recorder 0.00 8365 Inside 4243.00 Recorder 0.00 8522 Outside 4243.00 Perforations 29.00 4272.00 4273.00 Change Over Sub 1.00 42330.00 4336.00 Drill Pipe 63.00 4337.00 4340.00 98.00 Bottom Packers & Anchor	Packer 4.00 4242.00 Stubb 1.00 4243.00 Recorder 0.00 8365 Inside 4243.00 Recorder 0.00 8522 Outside 4243.00 Perforations 29.00 4272.00 4273.00 Change Over Sub 1.00 4336.00 4337.00 Bullnose 3.00 4340.00 98.00 Bottom Packers & Anchor	Packer 4.00 4242.00 Stubb 1.00 4243.00 Recorder 0.00 8365 Inside 4243.00 Recorder 0.00 8522 Outside 4243.00 Perforations 29.00 4272.00 4277.00 Change Over Sub 1.00 4336.00 4337.00 Bullnose 3.00 4340.00 98.00 Bottom Packers & Anchor	Change Over Sub Shut In Tool -lydraulic tool	Ler	1.00 5.00 5.00	Serial No.	Position	4216.00 4221.00 4226.00	ccum. Lengths	
Stubb 1.00 4243.00 Recorder 0.00 8365 Inside 4243.00 Recorder 0.00 8522 Outside 4243.00 Perforations 29.00 8522 Outside 4243.00 Change Over Sub 1.00 4273.00 4273.00 Drill Pipe 63.00 4336.00 4337.00 Bullnose 3.00 4340.00 98.00 Bottom Packers & Anchor	Stubb 1.00 4243.00 Recorder 0.00 8365 Inside 4243.00 Recorder 0.00 8522 Outside 4243.00 Perforations 29.00 8522 Outside 4243.00 Change Over Sub 1.00 4273.00 4273.00 Drill Pipe 63.00 4336.00 4337.00 Stulhose 3.00 4340.00 98.00 Bottom Packers & Anchor	Stubb 1.00 4243.00 Recorder 0.00 8365 Inside 4243.00 Recorder 0.00 8522 Outside 4243.00 Perforations 29.00 8522 Outside 4243.00 Change Over Sub 1.00 4273.00 4273.00 Drill Pipe 63.00 4336.00 4337.00 Bullnose 3.00 4340.00 98.00 Bottom Packers & Anchor	Stubb 1.00 4243.00 Recorder 0.00 8365 Inside 4243.00 Recorder 0.00 8522 Outside 4243.00 Perforations 29.00 8522 Outside 4243.00 Change Over Sub 1.00 4273.00 4273.00 Drill Pipe 63.00 4336.00 4337.00 Bullnose 3.00 4340.00 98.00 Bottom Packers & Anchor	Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint	Ler	1.00 5.00 5.00 5.00 2.00	Serial No.	Position	4216.00 4221.00 4226.00 4231.00 4233.00		
Recorder 0.00 8522 Outside 4243.00 Perforations 29.00 4272.00 Change Over Sub 1.00 4273.00 Drill Pipe 63.00 4336.00 Change Over Sub 1.00 4337.00 Bullnose 3.00 4340.00 98.00 Bottom Packers & Anchor	Recorder 0.00 8522 Outside 4243.00 Perforations 29.00 4272.00 Change Over Sub 1.00 4273.00 Orill Pipe 63.00 4336.00 Change Over Sub 1.00 4337.00 Bullnose 3.00 4340.00 98.00 Bottom Packers & Anchor	Recorder 0.00 8522 Outside 4243.00 Perforations 29.00 4272.00 Change Over Sub 1.00 4273.00 Drill Pipe 63.00 4336.00 Change Over Sub 1.00 4337.00 Bullnose 3.00 4340.00 98.00 Bottom Packers & Anchor	Recorder 0.00 8522 Outside 4243.00 Perforations 29.00 4272.00 Change Over Sub 1.00 4273.00 Drill Pipe 63.00 4336.00 Change Over Sub 1.00 4337.00 Bullnose 3.00 4340.00 98.00 Bottom Packers & Anchor	Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer	Leı	1.00 5.00 5.00 5.00 2.00 5.00	Serial No.	Position	4216.00 4221.00 4226.00 4231.00 4233.00 4238.00		Bottom Of Top Packer
Perforations 29.00 4272.00 Change Over Sub 1.00 4273.00 Drill Pipe 63.00 4336.00 Change Over Sub 1.00 4337.00 Bullnose 3.00 4340.00 98.00 Bottom Packers & Anchor	Perforations 29.00 4272.00 Change Over Sub 1.00 4273.00 Drill Pipe 63.00 4336.00 Change Over Sub 1.00 4337.00 Bullnose 3.00 4340.00 98.00 Bottom Packers & Anchor	Perforations 29.00 4272.00 Change Over Sub 1.00 4273.00 Drill Pipe 63.00 4336.00 Change Over Sub 1.00 4337.00 Bullnose 3.00 4340.00 98.00 Bottom Packers & Anchor	Perforations 29.00 4272.00 Change Over Sub 1.00 4273.00 Drill Pipe 63.00 4336.00 Change Over Sub 1.00 4337.00 Bullnose 3.00 4340.00 98.00 Bottom Packers & Anchor	Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer	Leı	1.00 5.00 5.00 2.00 5.00 4.00	Serial No.	Position	4216.00 4221.00 4226.00 4231.00 4233.00 4238.00 4242.00		Bottom Of Top Packer
Change Over Sub 1.00 4273.00 Drill Pipe 63.00 4336.00 Change Over Sub 1.00 4337.00 Bullnose 3.00 4340.00 98.00 Bottom Packers & Anchor	Change Over Sub 1.00 4273.00 Drill Pipe 63.00 4336.00 Change Over Sub 1.00 4337.00 Bullnose 3.00 4340.00 98.00 Bottom Packers & Anchor	Change Over Sub 1.00 4273.00 Drill Pipe 63.00 4336.00 Change Over Sub 1.00 4337.00 Bullnose 3.00 4340.00 98.00 Bottom Packers & Anchor	Change Over Sub 1.00 4273.00 Drill Pipe 63.00 4336.00 Change Over Sub 1.00 4337.00 Bullnose 3.00 4340.00 98.00 Bottom Packers & Anchor	Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb	Leı 	1.00 5.00 5.00 5.00 2.00 5.00 4.00 1.00	8365		4216.00 4221.00 4226.00 4231.00 4233.00 4238.00 4242.00 4242.00		Bottom Of Top Packer
Drill Pipe 63.00 4336.00 Change Over Sub 1.00 4337.00 Bullnose 3.00 4340.00 98.00 Bottom Packers & Anchor	Drill Pipe 63.00 4336.00 Change Over Sub 1.00 4337.00 Bullnose 3.00 4340.00 98.00 Bottom Packers & Anchor	Drill Pipe 63.00 4336.00 Change Over Sub 1.00 4337.00 Bullnose 3.00 4340.00 98.00 Bottom Packers & Anchor	Drill Pipe 63.00 4336.00 Change Over Sub 1.00 4337.00 Bullnose 3.00 4340.00 98.00 Bottom Packers & Anchor	Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder Recorder		1.00 5.00 5.00 2.00 5.00 4.00 1.00 0.00 0.00	8365	Inside	4216.00 4221.00 4226.00 4231.00 4233.00 4238.00 4242.00 4243.00 4243.00 4243.00		Bottom Of Top Packer
Change Over Sub 1.00 4337.00 Bullnose 3.00 4340.00 98.00 Bottom Packers & Anchor	Change Over Sub 1.00 4337.00 Bullnose 3.00 4340.00 98.00 Bottom Packers & Anchor	Change Over Sub 1.00 4337.00 Bullnose 3.00 4340.00 98.00 Bottom Packers & Anchor	Change Over Sub 1.00 4337.00 Bullnose 3.00 4340.00 98.00 Bottom Packers & Anchor	Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder Recorder Perforations		1.00 5.00 5.00 2.00 5.00 4.00 1.00 0.00 0.00 29.00	8365	Inside	4216.00 4221.00 4226.00 4231.00 4233.00 4238.00 4242.00 4242.00 4243.00 4243.00 4243.00 4272.00		Bottom Of Top Packer
Bullnose3.004340.0098.00Bottom Packers & Anchor	Bullnose3.004340.0098.00Bottom Packers & Anchor	Bullnose3.004340.0098.00Bottom Packers & Anchor	Bullnose 3.00 4340.00 98.00 Bottom Packers & Anchor	Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder Recorder Recorder Perforations Change Over Sub		1.00 5.00 5.00 2.00 5.00 4.00 1.00 0.00 0.00 29.00 1.00	8365	Inside	4216.00 4221.00 4226.00 4231.00 4233.00 4238.00 4242.00 4243.00 4243.00 4243.00 4243.00 4272.00 4273.00		Bottom Of Top Packer
				Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder Recorder Recorder Perforations Change Over Sub Drill Pipe		1.00 5.00 5.00 2.00 5.00 4.00 1.00 0.00 29.00 1.00 63.00	8365	Inside	4216.00 4221.00 4226.00 4231.00 4233.00 4238.00 4243.00 4243.00 4243.00 4243.00 4243.00 4272.00 4273.00 4336.00		Bottom Of Top Packer
				Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder Recorder Perforations Change Over Sub Drill Pipe Change Over Sub		1.00 5.00 5.00 2.00 5.00 4.00 1.00 0.00 29.00 1.00 63.00 1.00	8365	Inside	4216.00 4221.00 4226.00 4231.00 4233.00 4238.00 4243.00 4243.00 4243.00 4243.00 4243.00 4272.00 4273.00 4336.00 4337.00	27.00	
				Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder Recorder Recorder Perforations Change Over Sub Drill Pipe Change Over Sub Bullnose		1.00 5.00 5.00 2.00 5.00 4.00 1.00 0.00 29.00 1.00 63.00 1.00 3.00	8365	Inside	4216.00 4221.00 4226.00 4231.00 4233.00 4238.00 4243.00 4243.00 4243.00 4243.00 4243.00 4272.00 4273.00 4336.00 4337.00	27.00	

ALLAN I BH OF			TEM TEST F	REPORT		F	LUID SUMMAR
		Palomino Petrole	um		21-17s-34	w Scott,KS	
151		4924 SE 84th St New ton KS 671 [.]			J&B Wilki Job Ticket: 6		DST#:4
		ATTN: Ryan Se	eib			2016.03.11 @ 20:0	
ud and Cushion Inf	ormation						
linity: 5500.00	sec/qt in³ ohm.m		Cushion Type: Cushion Length: Cushion Volume: Gas Cushion Type: Gas Cushion Pressure	:	ft bbl psig	Oil API: Water Salinity:	0 deg API 49000 ppm
ecovery Information	ו					**************************************	
	Length	F	Recovery Table	<u></u>	Volume	7	
	ft 177	0.00 mcw 5m	195w (oil spots)		bbl 23.744	4	
То	tal Length:	1770.00 ft	Total Volume:	23.744 bbl		4	
Re	covery Commer	nts: rw is .220 🤅	⊉ 51F = 49,000ppm				

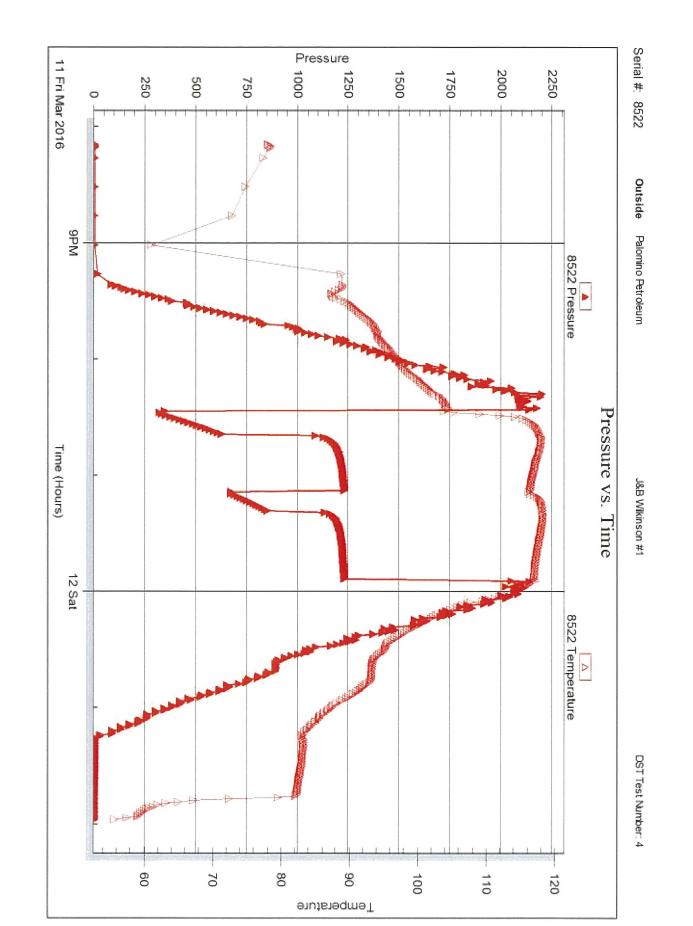
Printed: 2016.03.15 @ 13:43:04

Ref. No: 64641



Printed: 2016.03.15 @ 13:43:04

Ref. No: 64641





DRILL STEM TEST REPORT

Prepared For:

Palomino Petroleum

4924 SE 84th St Newton KS 67114

ATTN: Ryan Seib

J&B Wilkinson #1

21-17s-34w Scott,KS

 Start Date:
 2016.03.12 @ 15:18:00

 End Date:
 2016.03.12 @ 21:28:45

 Job Ticket #:
 64642
 DST #:
 5

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

	DRILL STEM TES	ST REP	ORT				
	Palomino Petroleum		21-1	17s-34w	Scott,KS	6	
ESTING , INC			J&E	3 Wilkir	nson #1		
	New ton KS 67114		Job -	Ticket: 64	1642	DST#: 5	
	ATTN: Ryan Seib		Test	Start: 20	016.03.12 @	9 15:18:00	
GENERAL INFORMATION:							
Formation:MarmatonDeviated:NoWhipstock:Time Tool Opened:17:32:45Time Test Ended:21:28:45	ft (KB)		Test Test Unit	er: I	Conventiona Bradley Wal 69	al Bottom Hole ter	(Reset)
Interval:4369.00 ft (KB) To44Total Depth:4480.00 ft (KB) (TVHole Diameter:7.88 inchesHole			Refe	erence Ele KB t	evations: o GR/CF:	3161.00 3156.00 5.00	ft (CF)
						0.00	
Serial #: 8365 Inside Press@RunDepth: 90.63 psig Start Date: 2016.03.12 Start Time: 15:42:05	@ 4370.00 ft (KB) End Date: End Time:	2016.03.12 21:52:44	Capacity: Last Calib Time On E Time Off I	o.: 3tm: 2	2016.03.12 2016.03.12	-	psig
	ırn, died at 15 min.	1					
Pressure vs. T	8305 Temperature	Time	PR Pressure	ESSUF Temp	RE SUMM		
	115	(Min.)	(psig)	(deg F)			
200		0	2262.74 34.16	105.72 105.16			
1720		31	65.10	107.64	Shut-In(1)		
		61 62	1160.84 86.19	111.95 111.04	End Shut-li Open To F		
		91	90.63	110.15	Shut-In(2)		
		127 128	1121.79 2190.74	112.53 112.86	End Shut-li Final Hydro		
CFN2 12 Sul Mar 2010 Time (Hours)	974						
Recovery				Ga	s Rates		
Length (ft) Description 70.00 gmco 30g 30m 40o	Volume (bbl) 0.34			Choke (ii	nches) Pressu	re (psig) Gas	Rate (Mcf/d)
120.00 gmco 30g 10m 60o	1.24						
0.00 180' GIP	0.00						
* Recovery from multiple tests Trilobite Testing, Inc	Ref. No: 64642			D	0010 00 17	@ 13:42:47	

Printed: 2016.03.15 @ 13:42:47

	DRILL STEM TES	ST REPC	RT		
	Palomino Petroleum		21-17s-34	w Scott,K	S
ESTING , INC	4924 SE 84th St		J&B Wilk	inson #1	
	New ton KS 67114		Job Ticket:	64642	DST#:5
	ATTN: Ryan Seib		Test Start:	2016.03.12 (@ 15:18:00
GENERAL INFORMATION:					
Formation:MarmatonDeviated:NoWhipstock:Time Tool Opened:17:32:45Time Test Ended:21:28:45	ft (KB)		Test Type: Tester: Unit No:	Convention Bradley Wa 69	al Bottom Hole (Reset) alter
Interval:4369.00 ft (KB) To44Total Depth:4480.00 ft (KB) (ThHole Diameter:7.88 inchesHole			Reference I	∃evations: 3 to GR/CF:	3161.00 ft (KB) 3156.00 ft (CF) 5.00 ft
Serial #:8522OutsidePress@RunDepth:psigStart Date:2016.03.12Start Time:15:42:05	@ 4370.00 ft (KB) End Date: End Time:	2016.03.12 21:55:59	Capacity: Last Calib.: Time On Btm: Time Off Btm:		8000.00 psig 2016.03.12
· · · · · · · · · · · · · · · · · · ·	rn, died at 15 min.				
Pressure vs. T	115	Time	PRESSU Pressure Temp	JRE SUMN	
2 Sal Mar 2770		(Min.)	(psig) (deg F		
Recovery			G	as Rates	
Length (ft) Description	Volume (bbl)		Choke	e (inches) Press	sure (psig) Gas Rate (Mcf/d)
70.00 gmco 30g 30m 40o 120.00 gmco 30g 10m 60o	0.34				
0.00 180' GIP	0.00				
* Recovery from multiple tests	Ref. No: 64642				

Ref. No: 64642

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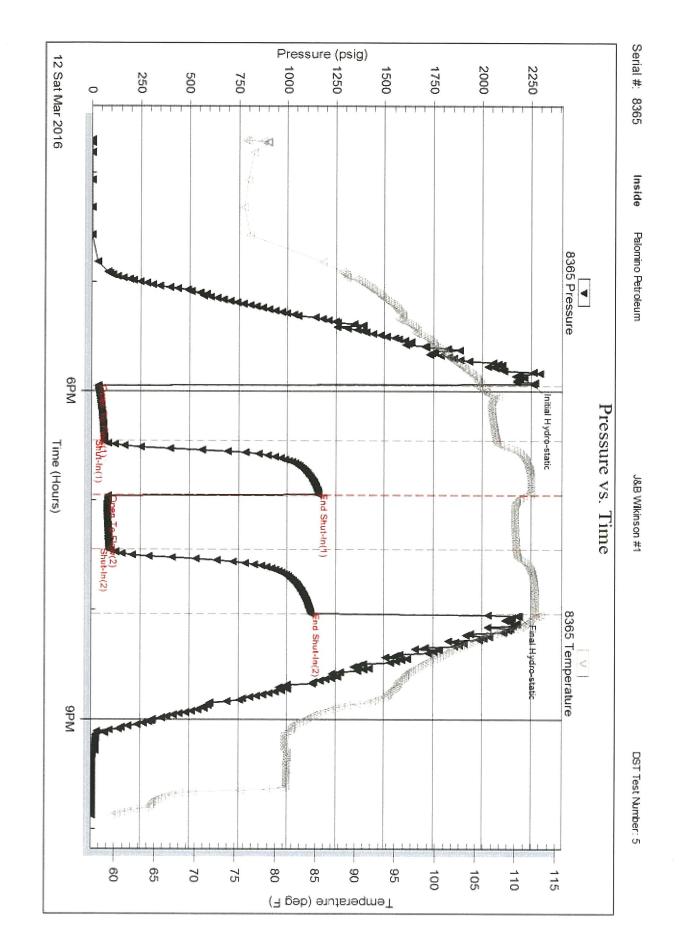
	BITE	Palomino	Petroleum			21-17s-34w Scott,	KS
	TING , INC	4924 SE	84th St			J&B Wilkinson #1	
		New ton I	<s 67114<="" th=""><th></th><th></th><th>Job Ticket: 64642</th><th>DST#:5</th></s>			Job Ticket: 64642	DST#:5
		ATTN: I	Ryan Seib			Test Start: 2016.03.12	2 @ 15:18:00
Tool Information	I						
Drill Pipe: Length:	4250.00 ft	Diameter:	3.80 in	ches Volume:	59.62 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe: Length:	ft l	Diameter:	0.00 in	ches Volume:	0.00 bbl	Weight set on Pack	er: 25000.00 lb
Drill Collar: Length:	119.00 ft 1	Diameter:	2.25 in	ches Volume:	0.59 bbl	Weight to Pull Loos	e: 80000.00 lb
Drill Pipe Above KB:	27.00 ft			Total Volume:	60.21 bbl	Tool Chased	0.00 ft
Depth to Top Packer:	4369.00 ft					String Weight: Initia	
Depth to Bottom Packer:	ft					Fina	i 70000.00 lb
Interval betw een Packers:							
Tool Length:	138.00 ft						
Number of Packers:	2 1	Diameter:	6.75 in	ches			
Tool Comments:							
Tool Description	Len	ath (ft) S	Serial No.	Position	Depth (ft) A	ccum. Lengths	
	Len	gth (ft) 5	Serial No.	Position	Depth (ft) A 4343.00	ccum. Lengths	
Change Over Sub	Len		Serial No.	Position		ccum. Lengths	
Change Over Sub Shut In Tool	Len	1.00	Serial No.	Position	4343.00	ccum. Lengths	
Tool Description Change Over Sub Shut In Tool Hydraulic tool Jars	Len	1.00 5.00	Serial No.	Position	4343.00 4348.00	ccum. Lengths	
Change Over Sub Shut In Tool Hydraulic tool Jars	Len	1.00 5.00 5.00	Serial No.	Position	4343.00 4348.00 4353.00	ccum. Lengths	
Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint	Len	1.00 5.00 5.00 5.00	Serial No.	Position	4343.00 4348.00 4353.00 4358.00	accum. Lengths	Bottom Of Top Packe
Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer	Len	1.00 5.00 5.00 5.00 2.00	Serial No.	Position	4343.00 4348.00 4353.00 4358.00 4360.00		Bottom Of Top Packe
Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer	Len	1.00 5.00 5.00 5.00 2.00 5.00	Serial No.	Position	4343.00 4348.00 4353.00 4358.00 4360.00 4365.00		Bottom Of Top Packe
Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb	Len	1.00 5.00 5.00 2.00 5.00 4.00	8365	Position	4343.00 4348.00 4353.00 4358.00 4360.00 4365.00 4369.00		Bottom Of Top Packe
Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder	Len	1.00 5.00 5.00 5.00 2.00 5.00 4.00 1.00			4343.00 4348.00 4353.00 4358.00 4360.00 4365.00 4369.00 4370.00		Bottom Of Top Packe
Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder Recorder		1.00 5.00 5.00 2.00 5.00 4.00 1.00 0.00	8365	Inside	4343.00 4348.00 4353.00 4358.00 4360.00 4365.00 4369.00 4370.00 4370.00		Bottom Of Top Packe
Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder Recorder Recorder Perforations Change Over Sub		1.00 5.00 5.00 2.00 5.00 4.00 1.00 0.00 10.00 1.00	8365	Inside	4343.00 4348.00 4353.00 4358.00 4360.00 4365.00 4369.00 4370.00 4370.00 4370.00 4380.00 4381.00		Bottom Of Top Packe
Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder Recorder Recorder Perforations Change Over Sub Drill Pipe		1.00 5.00 5.00 2.00 5.00 4.00 1.00 0.00 10.00 1.00 95.00	8365	Inside	4343.00 4348.00 4353.00 4358.00 4360.00 4365.00 4369.00 4370.00 4370.00 4370.00 4370.00 4380.00 4381.00 4476.00		Bottom Of Top Packe
Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder Recorder Recorder Perforations Change Over Sub Drill Pipe Change Over Sub		1.00 5.00 5.00 2.00 5.00 4.00 1.00 0.00 1.00 1.00 1.00 25.00 1.00	8365	Inside	4343.00 4348.00 4353.00 4358.00 4360.00 4365.00 4369.00 4370.00 4370.00 4370.00 4370.00 4380.00 4381.00 4476.00 4477.00		Bottom Of Top Packe
Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder Recorder Perforations Change Over Sub Drill Pipe Change Over Sub		1.00 5.00 5.00 2.00 5.00 4.00 1.00 0.00 10.00 1.00 95.00	8365	Inside	4343.00 4348.00 4353.00 4358.00 4360.00 4365.00 4369.00 4370.00 4370.00 4370.00 4370.00 4380.00 4381.00 4476.00	27.00	
Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder Recorder Recorder Perforations Change Over Sub Drill Pipe Change Over Sub Bullnose		1.00 5.00 5.00 2.00 5.00 4.00 1.00 0.00 1.00 1.00 1.00 25.00 1.00	8365	Inside	4343.00 4348.00 4353.00 4358.00 4360.00 4365.00 4369.00 4370.00 4370.00 4370.00 4370.00 4380.00 4381.00 4476.00 4477.00	27.00	
Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Packer Stubb Recorder Recorder Recorder Perforations Change Over Sub Drill Pipe Change Over Sub Bullnose		1.00 5.00 5.00 5.00 2.00 5.00 4.00 1.00 0.00 0.00 1.00 0.00 1.00 0.00 1.00 3.00	8365	Inside	4343.00 4348.00 4353.00 4358.00 4360.00 4365.00 4369.00 4370.00 4370.00 4370.00 4370.00 4380.00 4381.00 4476.00 4477.00	27.00	Bottom Of Top Packe
Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Packer Stubb Recorder Recorder Recorder Perforations Change Over Sub Drill Pipe Change Over Sub Bullnose		1.00 5.00 5.00 5.00 2.00 5.00 4.00 1.00 0.00 0.00 1.00 0.00 1.00 0.00 1.00 3.00	8365	Inside	4343.00 4348.00 4353.00 4358.00 4360.00 4365.00 4369.00 4370.00 4370.00 4370.00 4370.00 4380.00 4381.00 4476.00 4477.00	27.00	
Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder Recorder Recorder Perforations Change Over Sub Drill Pipe Change Over Sub Bullnose		1.00 5.00 5.00 5.00 2.00 5.00 4.00 1.00 0.00 0.00 1.00 0.00 1.00 0.00 1.00 3.00	8365	Inside	4343.00 4348.00 4353.00 4358.00 4360.00 4365.00 4369.00 4370.00 4370.00 4370.00 4370.00 4380.00 4381.00 4476.00 4477.00	27.00	

	DR	ILL STEM TEST REF	PORT		F	LUID SUMMARY
	i Palom	no Petroleum		21-17s-34w	Scott,KS	
ESTING		4924 SE 84th St New ton KS 67114		J&B Wilkir Job Ticket: 64		DST#:5
	ATTN:	Ryan Seib) 16.03.12 @ 15	
Mud and Cushion Informa		- 				
Mud Type: Gel Chem		Quebien Turner			Oil API:	
Mud Weight: 9.00 lb/gal		Cushion Type: Cushion Length:			Water Salinity:	20 deg API 0 ppm
Viscosity: 59.00 sec/qt		Cushion Volume:		bbl	vvater Salimity.	0 ppm
Water Loss: 9.58 in ³		Gas Cushion Type:		551		
Resistivity: ohm.m	n	Gas Cushion Pressure:		psig		
Salinity: 6000.00 ppm	-			P0.9		
Filter Cake: 1.00 inches	5					
Recovery Information						
		Recovery Table				
	Length ft	Description		Volume bbl		
	70.00	gmco 30g 30m 40o		0.344		
	120.00	gmco 30g 10m 60o		1.237		
	0.00	180' GIP		0.000		
Total Lei	ngth: 190).00 ft Total Volume: 1.	581 bbl			
Num Flui	id Samples: 0	Num Gas Bombs: 0		Serial #:		
	ory Name:	Laboratory Location:				
Recover	ry Comments:					
		Def No: 64642			0040 00 45 0	

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Ref. No: 64642

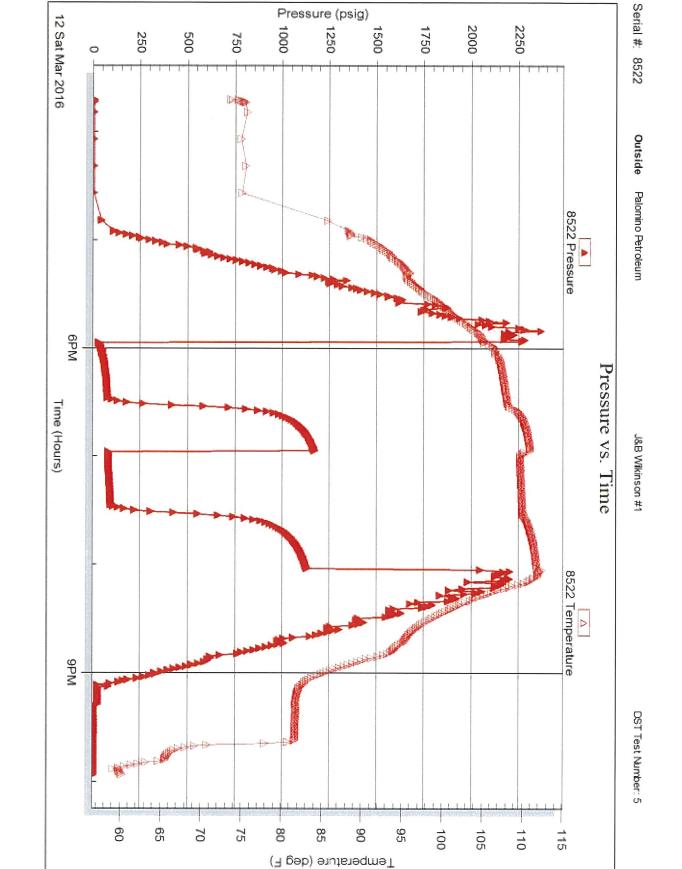
Trilobite Testing, Inc



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Ref. No: 64642





RILOBITE ESTING INC.		Test Ticket
4/10 1515 Commerce Parkway		NO. 64638
Well Name & No. <u>54 B</u> Wilkinson Company <u>Highlands</u> <u>Natural</u> Address <u>50 S. Stocle St.</u> Co. Rep / Geo. <u>Paul Mendell</u> Location: Sec. <u>21</u> Twp. <u>175</u>	Resources Elevation Ste 600 Devirent Co Rig WW	\$0209 #2
Interval Tested 2737-3052 Anchor Length 315 Top Packer Depth 2742 Bottom Packer Depth 2737 Total Depth 3052 Blow Description IF 4½ " blow TSI No return. FF 2½ " blow FSI No return	Drill Pipe Run 2604 Drill Collars Run 114 Wt. Pipe Run Ø	Vis <u>60</u> WL <u>674</u>
Rec 230 Feet of <u>MUD</u>	%gas	%oil %water 100 %mud
Rec Feet of	%gas	%oil %water %mud
Rec Feet of <u>Sampler</u> Sa	in ples Sent %gas	%oil %water %mud
Rec Feet of K Co,	Man 200 pST %gas	%oil %water %mud
Rec Feet of	%gas	%oil %water %mud
Rec Total <u>730</u> BHT <u>40</u>	Gravity API RW @	F Chlorides ppm
(A) Initial Hydrostatic/こう)	🕱 Test 1050	T-On Location 2300
(B) First Initial Flow 37	y Jars 250	T-Started 2316
(C) First Final Flow92_	🕅 Safety Joint <u>75</u>	T-Open0 / So
(D) Initial Shut-In713	X Circ Sub N/L	T-Pulled 0 40 5
(E) Second Initial Flow [0 0	Hourly Standby	T-Out 0614
(F) Second Final Flow 34	X Mileage 25 RT 18.75	Comments
(G) Final Shut-In しらし	Sampler 250	1 Gas Sample bottle
(H) Final Hydrostatic <u>1274</u>	Straddle	Seut With Coman
	X Shale Packer 250	Ruined Shale Packer
Initial Open 3 ()	Extra Packer	Ruined Packer
Initial Shut-In Z 0	Extra Recorder	Extra Copies
Final Flow45	Day Standby	Sub Total 0
Final Shut-In 30	Accessibility	Total 1893,75
	Sub Total 1893.75	MP/DST Disc't

TRILOBITE ESTING INC	C. ay ∙ Hays, Kansas 67601	Tes NO.	t Ticket 64639
Well Name & No. J.J. B. Wilkinson Company Palomino Petroleum, Address 4924 SE 84 ^{HI} St.	n #1 Test <u>Inc</u> Eleve Newton, KS 67114 Rig	ation <u>3161</u> - WW ^{P2}	
Interval Tested <u>3978 - 4050</u> Anchor Length <u>72</u> ⁱ Top Packer Depth <u>3973</u> Bottom Packer Depth <u>3978</u> Total Depth <u>4050</u> Blow Description <u>TF</u> <u>31 blow</u> <u>TST</u> ; <u>No reform</u> ,	Zone Tested <u>LKC</u> Drill Pipe Run <u>38</u> Drill Collars Run <u>11</u> Wt. Pipe Run Chlorides <u>9, 00 C</u>	G L P 40 9 Ø	Mud Wt. <u>9, 2</u> Vis <u>50</u> WL <u>9,6</u>
FF: 2 ⁱ blow FSI; No Rec Feet of		ias %oil ias %oil ias %oil ias %oil	
	Gravity API RW Gravity API RW Gravity API RW Gravity 250 Second Start 75 Gravity Joint 75 Gravity Circ Sub Hourly Standby	T-On L T-Start T-Oper T-Pulle	%water%mudChlorides $32,000$ ppmocation 0600 ed 0640 n 0824 d 1024 1153
(F) Second Final Flow 106 (G) Final Shut-In 1033 (H) Final Hydrostatic 1976 Initial Open 36	Mileage <u>25 e t</u> 18.75 Sampler Straddle Shale Packer Extra Packer	Commi	ents ined Shale Packer ined Packer ra Copies
Initial Shut-In 30 Final Flow 30 Final Shut-In 30 Approved By	Extra Recorder Day Standby Accessibility Sub Total1493.25 Our Represen	Total MP/DS	tal 1493.25 ST Disc't

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for from the test is made.

ATIO ATION A	• Hays, Kansas 67601	Test Ticket NO. 64640
Well Name & No. JAB Wilkinson Company Palomino Petroleum, J Address 4924 SE 844 St. Co. Rep/Geo. Ryun Seib	Newiton Ks 67114 Rig Ly	$\frac{3}{3161} Date \frac{3/n/2016}{KB_{3155}} GL$
Location: Sec. 21 Twp. 175 Interval Tested 4174 4735 Anchor Length 61 Top Packer Depth 4164 Bottom Packer Depth 4174 Total Depth 4235 Blow Description TF Bottom 46 Fill 46	Zone Tested <u>L(C</u> <u>Z</u> - Drill Pipe Run <u>To C</u> Drill Collars Run <u>11C</u> Wt. Pipe Run <u>6</u> Chlorides	0 Mud Wt. <u>9, 2</u> Vis <u>5/</u> WL <u>7, ス</u> ppm System LCM 1
FG Bob (C 2 min) FGI A(o reform Rec 300 Feet of MC 4) Rec Feet of Rec Feet of Rec Feet of Rec Feet of	%gas %gas %gas	%oil \$5 %water \$5 %water \$6 %mud %oil %water %mud %oil %water %mud %oil %water %mud %oil %water %mud
Rec Feet of Rec Total 800 BHT (A) Initial Hydrostatic 2124 (B) First Initial Flow 120 (C) First Final Flow 275 (D) Initial Shut-In 1197 (E) Second Initial Flow 264	Gravity API RW250 ♀ Test1150 ♀ Jars250 ♀ Safety Joint75 ♀ Circ Sub ↓/(T-On Location 0560 T-Started 0512 T-Open 0703 T-Pulled 0823
(F) Second Final Flow 393 (G) Final Shut-In 190 (H) Final Hydrostatic 2047	Hourly Standby Mileage57 18.75 Sampler Straddle Shale Packer	Comments
Initial Open i 0 Initial Shut-In 30 Final Flow 10 Final Shut-In 30	Extra Packer Extra Recorder Day Standby Accessibility Sub Total1493.75	Sub Total Total 1493.75

	RILOBITE ESTING INC.			cket
	merce Parkway • Hays, Kansas	67601	NO.	64641
Well Name & No. J&B Company Palomino Pe Address 4924 SE Co. Rep / Geo. Ryan Se Location: Sec. 21 Twp	tudeum, Inc 84th St Xlewton b	1, KS Rig W	<u>3161</u> ке Ш ^{±‡} 7	3_ <u>3/55</u> _GL
Interval Tested 4242 - Anchor Length 98 Top Packer Depth 423 Bottom Packer Depth 424 Total Depth 434 Blow Description TF BOL TSI Alc	4340 Zone Tested Drill Pipe Ru 7 Drill Collars I 2 Wt. Pipe Ru C Chlorides 3 45 5 7 6 7	LKC K& n <u>4120</u> Run <u>119</u> n <u>8</u> <u>5500</u> ppm	Mud W Vis WL System LCM _	n. <u>9.3</u> 50 8.0
Rec776 Feet of	o retorn,	%gas		%water 5 %mud %water %mud
			%oil	%water %mud %water %mud
			%oil	%water %mud
			%oil	%water %mud
Rec Total 1776 BH (A) Initial Hydrostatic 2 (B) First Initial Flow 2 (C) First Final Flow 0 (D) Initial Shut-In 1	IT Gravity I 50 Image: Test 324 Image: Test 205 Image: Safety Joint 222 Image: Safety Joint	API RW <u>, 226</u> @)	T-On Location T-Started T-Open T-Pulled	2008 2226 2346
(E) Second Initial Flow (F) Second Final Flow (G) Final Shut-In (H) Final Hydrostatic	440 A Mileage 25 22 □ Sampler 120 □ Straddle	by <u>kyy</u> 18.75	Comments	<u>01583/12</u> ale Packer
Initial Open Initial Shut-In Final Flow Final Shut-In	L0 □ Extra Packer <u>30</u> □ Extra Record <u>10</u> □ Day Standby	er 493.75	Extra Copie O Sub Total	28 23.75
			A AK	

Approved By ______ Our Representative _______ Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

RILOBITE ESTING INC			Test Ti	cket	
4/10 1515 Commerce Parkwa			NO.	64642	
Well Name & No. <u>J& B</u> Wilkin Company <u>falo mino</u> <u>Detroleum</u> Address <u>4924</u> <u>SE</u> <u>84thS-1</u> Co. Rep / Geo. <u>Ryan</u> <u>Seih</u>	THC FI	evation <u>3/16</u>	с <u>с</u> кі с	= <u>3/13</u> 33/.	R <u>/2016</u> 55_gl
Location: Sec Twp7 5		the second s		State /	
Interval Tested 4364 - 4480		· · · · · · · · · · · · · · · · · · ·			
Anchor Length/	Antidotasta and a second and a second a			0.5	
Top Packer Depth 4364	a second s			vi. <u>9,3</u>	
Bottom Packer Depth43/a 9	Wt. Pipe Run	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		59	
Total Depth 44 60	1 -			7.6 2#	
Blow Description TF 6 blow		o ppm Systi	em LCM_		
FF 5' plow.	1 110	4111 , MIN ,			
Reci2OFeet ofAC_O		÷ 4.	%oil	%water	(0 %mud
Rec Feet of	به (<u>ز</u>		%oil		30 %mud
Rec Feet of 190	1-PN		%oil	%water	%mud
Rec Feet of			%oil	%water	%mud
Rec Feet of			%oil	%water	%mud
Rec Total 190 BHT 13	Gravity 20 API RW		F Chlori		ppm
(A) Initial Hydrostatic 2263	2- Test 1150		T-On Location		
(B) First Initial Flow34	Jars 250		T-Started	1548	/
(C) First Final Flow63	Safety Joint 75		F-Open	1755	•
(D) Initial Shut-In 11 61	E Circ Sub <u>NC</u>		F-Pulled	1955	-
(E) Second Initial Flow S 6	Hourly Standby	T	F-Out		
(F) Second Final Flow 9	Mileage <u>25 P-4</u> 3	(D/U Too	Contraction of the second statement of the second stat
(G) Final Shut-In	Sampler			1930 01	1 3/14
(H) Final Hydrostatic <u>219</u>	G Straddle			1 m 1	
	Shale Packer_250		□ Ruined Sha		
Initial Open 20	Extra Packer	-	Ruined Pac		
Initial Shut-In3 Ô	Extra Recorder	-	Extra Copie		
Final Flow 5 O	Day Standby <u>1.5d</u> 10		Sub Total <u>8</u> Total <u>1762</u>		
Final Shut-In3()	Accessibility		AP/DST Djac		
	Sub Total <u>1762.50</u>				
Approved By	Our Benrese		11-1	\sim	

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