



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1199090
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

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

Submitted Electronically

KCC Office Use ONLY

- Confidentiality Requested
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____

1199090

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Electric Log Run	<input type="checkbox"/> Yes <input type="checkbox"/> No			
List All E. Logs Run:				

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR: _____ Producing Method:
 Flowing Pumping Gas Lift Other *(Explain)* _____

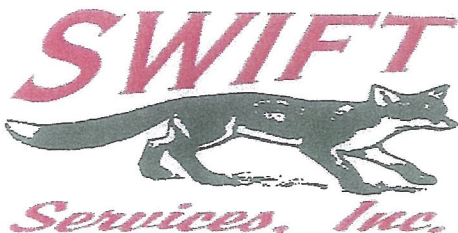
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <input type="checkbox"/> Commingled <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Palomino Petroleum, Inc.
Well Name	Schlegel-Grumbein 1
Doc ID	1199090

Tops

Name	Top	Datum
Anhy.	1724	(+ 748)
Base Anhy.	1764	(+ 708)
Heebner	3835	(-1363)
Lansing	3880	(-1408)
Stark Sh.	4148	(-1676)
BKC	4238	(-1766)
Ft. Scott	4403	(-1931)
Cherokee	4424	(-1952)
Miss	4496	(-2024)
LTD	4613	(-2141)



P. O. Box 466
Ness City, KS 67560
Off: 785-798-2300



RECEIVED

FEB 27 2014

Invoice

DATE	INVOICE #
2/24/2014	26110

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

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#1	Schlegel-Gru...	Ness	Cheyenne Well Se...	Oil	Development	Cement Port Collar	Jason

PRICE REF.	DESCRIPTION	QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way	15	Miles	6.00	90.00
576D-D	Pump Charge - Port Collar	1	Job	1,500.00	1,500.00
330	Swift Multi-Density Standard (MIDCON II)	130	Sacks	18.50	2,405.00T
290	D-Air	2	Gallon(s)	42.00	84.00T
104	Port Collar Tool Rental	1	Each	250.00	250.00T
276	Flocele	25	Lb(s)	2.50	62.50T
581D	Service Charge Cement	200	Sacks	2.00	400.00
582D	Minimum Drayage Charge	1	Each	250.00	250.00
	Subtotal				5,041.50
	Sales Tax Ness County			6.15%	172.29

We Appreciate Your Business!	Total	\$5,213.79
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Services, Inc.

CHARGE TO: **Palomino Petroleum**

TICKET 26110

ADDRESS
CITY, STATE, ZIP CODE

PAGE 1 OF

1. Ness City, KS	WELL/PROJECT NO. B1	LEASE Schaeffer-Brumby	COUNTY Ness	STATE KS	CITY Harro, KS	DATE 24 Feb 14	OWNER
2.	TICKET TYPE <input type="checkbox"/> SERVICE <input checked="" type="checkbox"/> SALES	CONTRACTOR Cheyenne Well Serv	RIG NAME/NO.	SHIPPED VIA	DELIVERED TO	ORDER NO.	
3.	WELL TYPE DIL	WELL CATEGORY DEVELOPMENT	JOB PURPOSE CEMENT PORT COLLAR			WELL LOCATION 75,130 S F570	
4.	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	LOC	ACCT	DF	DESCRIPTION	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
575					MILEAGE B 115	15	mi			60	900
578					Pump Charge					1500	1500
330					SMD Cement			130	sk	16.50	2145
290					D-Air			2	gal	42	84
104					Port Collar Tool Rental	1	job			250	250
276					Flocele	1/4	lbs	25	lbs	2	50
581					Service Charge Cement			200	sk	2	400
582					Minimum Drayage Charge			1	ea	250	250

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, **PAYMENT, RELEASE, INDEMNITY**, and **LIMITED WARRANTY** provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

X *Alan Linde*
DATE SIGNED **24 FEB 14** TIME SIGNED **1130** A.M. P.M.

REMIT PAYMENT TO:
SWIFT SERVICES, INC.
P.O. BOX 466
NESS CITY, KS 67560
785-798-2300

SURVEY

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?

WE UNDERSTOOD AND MET YOUR NEEDS?

OUR SERVICE WAS PERFORMED WITHOUT DELAY?

WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?

ARE YOU SATISFIED WITH OUR SERVICE? YES NO

CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL **5041.50**

TAX **172.25**

TOTAL **5213.75**

SWIFT OPERATOR *Alan Linde* APPROVAL *Alan Linde*

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

Thank You.

JOB LOG

SWIFT Services, Inc.

DATE: 24 FEB 14 PAGE NO.

CUSTOMER: PALOMINO PETROLEUM WELL NO. 1 LEASE: SCHLEEL-GRUMBEN JOB TYPE: CEMENT PORT COLLAR TICKET NO. 2611D

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0930							ON LOCATION 2 3/8 x 5 1/2 PORT COLLAR @ 1672 200 sks SMD cement w/ 1/4" floccle
	1011	0	0	✓		1000		Pressure Test
	1013							open Port Collar
	1017	4	72	✓		350		Mix 130 sks SMD Displace Cement Circulate <u>20 sks</u> to pit
		3	5 3/4					
	1040	0	0	✓		1000		Close Port Collar Pressure Test - Hold - Run 4 Jts
	1050	4	20	✓		400		Reverse Clean Wash up trucks
	1130							Job Complete

Thank You
Jason Dave Juan John



P. O. Box 466
Ness City, KS 67560
Off: 785-798-2300

RECEIVED

FEB 19 2014

Invoice

DATE	INVOICE #
2/14/2014	26105

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

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#1	Schlegel-Gru...	Ness	WW Drilling Rig ...	Oil	Development	5-1/2" LongString	Jason
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				20	Miles	6.00	120.00
578D-L	Pump Charge - Long String				1	Job	1,500.00	1,500.00
403-5	5 1/2" Cement Basket				2	Each	300.00	600.00T
404-5	5 1/2" Port Collar - 1684 Feet				1	Each	2,900.00	2,900.00T
406-5	5 1/2" Latch Down Plug & Baffle				1	Each	275.00	275.00T
407-5	5 1/2" Insert Float Shoe With Auto Fill				1	Each	375.00	375.00T
409-5	5 1/2" Turbolizer				9	Each	90.00	810.00T
281	Mud Flush				500	Gallon(s)	1.25	625.00T
221	Liquid KCL (Clayfix)				4	Gallon(s)	25.00	100.00T
276	Flocele				60	Lb(s)	2.50	150.00T
283	Salt				500	Lb(s)	0.20	100.00T
284	Calseal				5	Sack(s)	35.00	175.00T
285	CFR-1				50	Lb(s)	4.50	225.00T
290	D-Air				2.5	Gallon(s)	42.00	105.00T
325	Standard Cement				100	Sacks	14.50	1,450.00T
330	Swift Multi-Density Standard (MIDCON II)				125	Sacks	18.50	2,312.50T
581D	Service Charge Cement				225	Sacks	2.00	450.00
582D	Minimum Drayage Charge				1	Each	250.00	250.00
	Subtotal							12,522.50
	Sales Tax Ness County						6.15%	627.45

We Appreciate Your Business!

Total

\$13,149.95



Services, Inc.

CHARGE TO: **PAULMUD PETROLEUM**

TICKET 26105

ADDRESS
CITY, STATE, ZIP CODE

PAGE 1 OF 2

1. SERVICE LOCATIONS Ness City, KS	WELL/PROJECT NO. #1	LEASE SCHUEGLER-GRUMBEN	COUNTY/ WASH	STATE KS	CITY HAIRD, KS	DATE 1/18/14	OWNER
2. CONTRACTOR WOODRILLING Bldg #12	RIG NAME/NO.	WELL CATEGORY DEVELOPMENT	JOB PURPOSE 5th HOUSE STRIKES	SHIPPED VIA	DELIVERED TO	ORDER NO.	WELL LOCATION 752W, S1270
3. TICKET TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	WELL TYPE OIL	WELL PERMIT NO.	WELL LOCATION				
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.			UNIT PRICE	AMOUNT
		LOC	ACCT	DF		QTY.	UM	QTY.		
575					MILEAGE #115	20	mi		1.20	24.00
578					PUMP CHARGE	1508			15.00	22620.00
403					CEMENT BASKETS	22EA			300.00	6600.00
404					PORT COLLAR	1EA			2900.00	2900.00
406					LATCH DOWN PLUG & BASKET	1EA			275.00	275.00
407					INSERT FLOAT SHOE W/FILL	1EA			375.00	375.00
409					TURBOIZERS	9EA			90.00	810.00
281					MUD PUSHER	500	gal		1.25	625.00
221					LIQUID KCL	4	gal		25.00	100.00

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MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS.

DATE SIGNED **1/18/14** TIME SIGNED **8:00** A.M. P.M.

SWIFT OPERATOR *[Signature]*

APPROVAL *[Signature]*

REMIT PAYMENT TO:
SWIFT SERVICES, INC.
P.O. BOX 466
NESS CITY, KS 67560
785-798-2300

SURVEY

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?	AGREE	UN-DECIDED	DIS-AGREE
WE UNDERSTOOD AND MET YOUR NEEDS?			
OUR SERVICE WAS PERFORMED WITHOUT DELAY?			
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?			
ARE YOU SATISFIED WITH OUR SERVICE?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO	

CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL	1	7305.00
SUBTOTAL	2	5217.00
NESS TAX 6.15%		327.41
TOTAL		13,149.91

Thank You.

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.



PO Box 466
Ness City, KS 67560
Off: 785-798-2300

TICKET CONTINUATION

TICKET No. 26105

CUSTOMER: Premium Petroleum

WELL: Schuebel - Brumbein #

DATE: 11 Feb 14

PAGE 21 of 2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	WELL				UNIT PRICE	AMOUNT
		LOC	ACCT	DF			QTY.	UM	QTY.	UM		
276						FLUID	100	lbs			2.50	150.00
283						SACT	500	lbs			3.00	1500.00
284						CAUSEAC	5	5x			35.00	175.00
285						CFR-1	50	lbs			4.50	225.00
290						D-AIR	2.5	gpc			42.00	105.00
325						STANDARD EA 2	100	5x			14.50	1450.00
330						SMD CEMENT	125	5x			18.50	2312.50
581						SERVICE CHARGE					2.00	450.00
582						MILEAGE CHARGE					2.50	250.00
							TOTAL WEIGHT	229.10				
							LOADED MILES	20				
							CUBIC FEET	225.5x				
							TON MILES	229.10				

CONTINUATION TOTAL 5217.50

JOB LOG

SWIFT Services, Inc.

DATE 4 FEB 14 PAGE NO.

CUSTOMER YALOMINO PETROLEUM

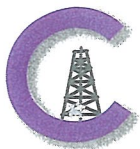
WELL NO. 1

LEASE SCALEGEL-GRUMBEN

JOB TYPE 5 1/2 LONG STRING

TICKET NO. 26105

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1800							ON LOCATION
	1928							START PIPE - 5 1/2" 14# RTD @ 4613 SHOJET. 4/3, 11 CENTRALIZERS 1, 2, 3, 5, 7, 9, 11, 13, 16, 9 BASKETS 2, 70 PORT COLLAR @ 70 @ 1684
	2131							DROP BALL - CIRCULATE.
	2231	6	12				400	Pump 500 gal MUD FLUSH
		6	20				400	Pump 20 BBL KCL SPACER
	2237		7					PLUG RH - 30 SX
	2241	4	36					MIX 95 SX SMD
		4	24					MIX 100 SX EA-2
	2300							WASH OUT PUMP & LINES.
	2303	6						START DISPLACING PLUG.
	2320						1500	PLUG DOWN LATCH PLUG IN.
	2322							RELEASE PSI - DRY
	2325							WASH TRUCK
	0000							JOB COMPLETE.
								THANKS #115
								JASON JUAN WAYNE DOUG



CONSOLIDATED
Oil Well Services, LLC

REMIT TO
Consolidated Oil Well Services, LLC
Dept. 970
P.O. Box 4346
Houston, TX 77210-4346

RECEIVED
FEB 13 2014

MAIN OFFICE
P.O. Box 884
Chanute, KS 66720
620/431-9210 • 1-800/467-8676
Fax 620/431-0012

INVOICE

Invoice # 265867

Invoice Date: 02/11/2014 Terms: 10/10/30,n/30

Page 1

PALOMINO PETROLEUM, INC.
4924 SE 84TH STREET
NEWTON KS 67114-8827
() -

SCHELEGEL-GRUMBUN #1
43097
5-20-25
02-03-2014
KS

Part Number	Description	Qty	Unit Price	Total
1104S	CLASS "A" CEMENT (SALE)	375.00	18.5500	6956.25
1102	CALCIUM CHLORIDE (50#)	1057.00	.9400	993.58
1118B	PREMIUM GEL / BENTONITE	705.00	.2700	190.35
1111	SODIUM CHLORIDE (GRANULA	100.00	.0000	.00
4432	8 5/8" WOODEN PLUG	1.00	100.7500	100.75

Sublet Performed	Description	Total
9996-130	CEMENT MATERIAL DISCOUNT	-824.09
9995-130	CEMENT EQUIPMENT DISCOUNT	-205.23

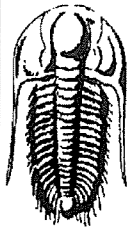
Description	Hours	Unit Price	Total
399 SINGLE PUMP	1.00	1150.00	1150.00
399 EQUIPMENT MILEAGE (ONE WAY)	25.00	5.25	131.25
528 TON MILEAGE DELIVERY	1.00	771.00	771.00

Amount Due 10800.01 if paid after 03/13/2014

Parts:	8240.93	Freight:	.00	Tax:	456.15	AR	9720.01
Labor:	.00	Misc:	.00	Total:	9720.01		
Sublt:	-1029.32	Supplies:	.00	Change:	.00		

Signed _____ Date _____

BARTLESVILLE, OK 918/338-0808 EL DORADO, KS 316/322-7022 EUREKA, KS 620/583-7664 PONCA CITY, OK 580/762-2303 OAKLEY, KS 785/672-8822 OTTAWA, KS 785/242-4044 THAYER, KS 620/839-5269 GILLETTE, WY 307/686-4914 CUSHING, OK 918/225-2650



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Palomino Petroleum

5-20s-25w Ness KS

4924 SE 84th
New ton ks, 67114

Schlegel-Grumbein #1

ATTN: Jerry smith

Job Ticket: 56072

DST#: 1

Test Start: 2014.02.13 @ 12:04:00

GENERAL INFORMATION:

Formation: **Mississipian**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:17:45

Time Test Ended: 20:09:00

Test Type: Conventional Bottom Hole (Initial)

Tester: cody/kyle

Unit No: 73

Interval: **4443.00 ft (KB) To 4515.00 ft (KB) (TVD)**

Total Depth: 4515.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2472.00 ft (KB)

2464.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8655 Outside

Press@RunDepth: 323.78 psig @ 4509.00 ft (KB)

Start Date: 2014.02.13

End Date:

2014.02.13

Start Time: 12:04:05

End Time:

20:08:59

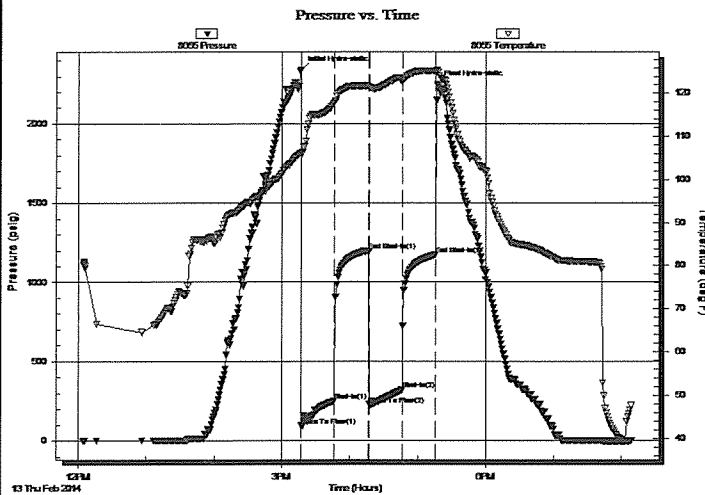
Capacity: 8000.00 psig

Last Calib.: 2014.02.13

Time On Btm: 2014.02.13 @ 15:17:15

Time Off Btm: 2014.02.13 @ 17:17:15

TEST COMMENT: 30 - IF- B.O.B. in 7 minutes
30 - IS- 2" return
30 - FF- B.O.B. in 9 minutes
30 - FS- 1/4" blow



PRESSURE SUMMARY

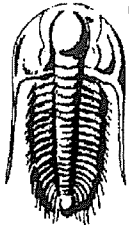
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2340.93	106.19	Initial Hydro-static
1	93.82	105.91	Open To Flow (1)
30	251.59	117.88	Shut-In(1)
60	1199.36	121.69	End Shut-In(1)
60	228.53	121.47	Open To Flow (2)
90	323.78	122.86	Shut-In(2)
119	1173.21	125.19	End Shut-In(2)
120	2248.20	125.48	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
248.00	GSOCM, 10%G, 10%O, 80%M	2.39
310.00	GMCO, 20%G, 20%M, 60%O	4.35
355.00	GO, 30%G, 70%O	4.98
0.00	124' of G.I.P.	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum

5-20s-25w Ness KS

4924 SE 84th
New ton ks, 67114

Schlegel-Grumbein #1

Job Ticket: 56072

DST#: 1

ATTN: Jerry smith

Test Start: 2014.02.13 @ 12:04:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.38 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5200.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
248.00	GSOCM, 10%G, 10%O, 80%M	2.386
310.00	GMCO, 20%G, 20%M, 60%O	4.348
355.00	GO, 30%G, 70%O	4.980
0.00	124' of G.I.P.	0.000

Total Length: 913.00 ft Total Volume: 11.714 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

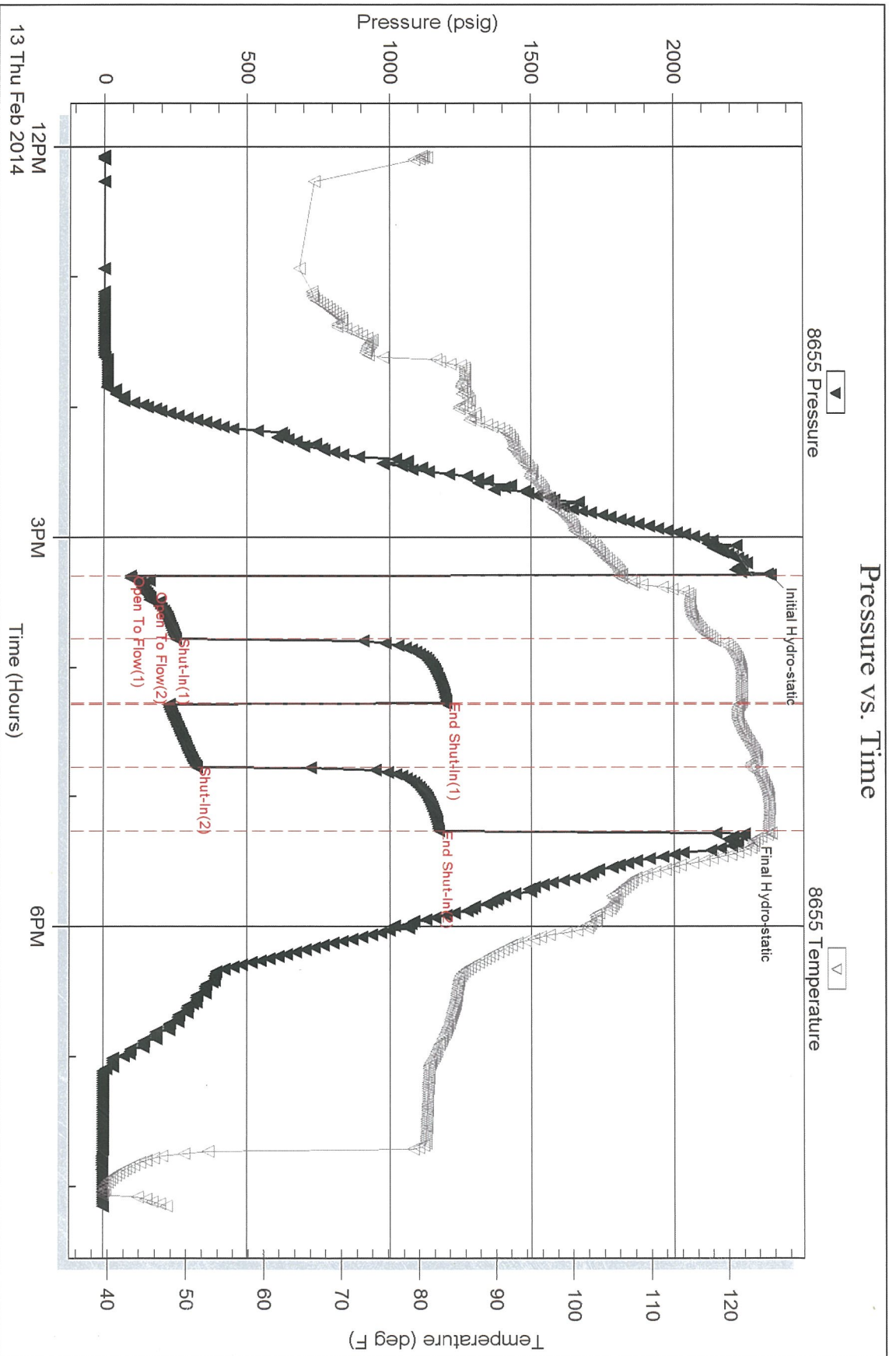
Serial #: 8655

Outside Palomino Petroleum

Schlegel-Grumbeln #1

DST Test Number: 1

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 56072

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