

Confidentiality Requested:

Yes No

**KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION**

Form ACO-1

January 2018

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

Gas DH EOR

OG GSW

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 EOR Conv. to SWD

Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Recompletion Date _____ Date Reached TD _____ Completion Date or Recompletion Date _____

API No.: _____

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 Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT I II III Approved by: _____ Date: _____

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

1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
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)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____			
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> <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
---	---	------------------------------------

Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
----------------	-------	---------	------------	--



RECEIVED
MAR 14 2019

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

Invoice

DATE	INVOICE #
3/8/2019	27489

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	Klug	Barton	WW Drlg Rig #14	Oil	Workover	Longstring	Jonathan

PRICE REF.	DESCRIPTION	QTY	UM	UNIT PRICE	AMOUNT
575W	Mileage - 1 Way	70	Miles	5.00	350.00T
578W-L	Pump Charge - Long String	1	Job	1,300.00	1,300.00T
290	D-Air	4	Gallon(s)	42.00	168.00T
281	Mud Flush	500	Gallon(s)	1.50	750.00T
221	Liquid KCL (Clayfix)	4	Gallon(s)	25.00	100.00T
403-5	5 1/2" Cement Basket	3	Each	275.00	825.00T
406-5	5 1/2" Latch Down Plug & Baffle	1	Each	250.00	250.00T
409-5	5 1/2" Turbolizer	10	Each	85.00	850.00T
419-5	5 1/2" Rotating Head Rental	1	Each	200.00	200.00T
405-5	5 1/2" Formation Packer Shoe	1	Each	1,350.00	1,350.00T
330	Swift Multi-Density Standard (MIDCON II)	125	Sacks	16.25	2,031.25T
325	Standard Cement	100	Sacks	13.00	1,300.00T
284	Calseal	5	Sack(s)	35.00	175.00T
283	Salt	550	Lb(s)	0.20	110.00T
285	CFR-1	50	Lb(s)	4.50	225.00T
276	Flocele	50	Lb(s)	2.50	125.00T
581W	Service Charge Cement	225	Sacks	1.75	393.75T
583W	Drayage	802.31	Ton Miles	0.85	681.96T
	Subtotal				11,184.96
	Sales Tax Barton County			7.50%	838.87

We Appreciate Your Business!	Total	\$12,023.83
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CHARGE TO: Palmer Petroleum Inc
 ADDRESS: _____
 CITY, STATE, ZIP CODE: _____

TICKET **27489**
 PAGE 1 OF 2

SERVICE LOCATIONS: 1. Hays, KS WELL/PROJECT NO. #1 LEASE Klug COUNTY/PARISH Barton STATE KS DATE 03/08/19 OWNER _____
 2. Ness City, KS CONTRACTOR Wm Drilling RIG NAME/NO. #14 SHIPPED VIA CT DELIVERED TO Location ORDER NO. _____
 3. WELL TYPE D-1 WELL CATEGORY DWUBD JOB PURPOSE Long String WELL PERMIT NO. _____ WELL LOCATION _____
 4. REFERRAL LOCATION _____ INVOICE INSTRUCTIONS _____

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575		1			MILEAGE #113	70	mi			5.00	350.00
578		1			Pump Charge - Long String	1	EA			1300.00	1300.00
290		1			D-Air	4	gal			42.00	168.00
281		1			Mud Flush	500	gal			1.50	750.00
221		1			Liquid KCL	4	gal			25.00	100.00
403		1			Cement Basket	3	EA		5 1/2"	275.00	825.00
406		1			Latch Down Plug + BATH	1	EA			250.00	250.00
409		1			Turbolizer	10	EA			85.00	850.00
419		1			Rotating Head Rental	1	EA			200.00	200.00
4005		1			Miss Formation Basket Shoe	1	EA			1350.00	1350.00

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.

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

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

DATE SIGNED: _____ TIME SIGNED: _____

A.M.
 P.M.

CUSTOMER DID NOT WISH TO RESPOND

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

SWIFT OPERATOR: [Signature] APPROVAL: _____

SURVEY: OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN? YES NO
 WE UNDERSTOOD AND MET YOUR NEEDS? YES NO
 OUR SERVICE WAS PERFORMED WITHOUT DELAY? YES NO
 WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY? YES NO
 ARE YOU SATISFIED WITH OUR SERVICE? YES NO

TOTAL: 12003.83

Page 1 of 2
 Page TOTAL 5041.96
 Page 2 11184.96
 TOTAL 12003.83

Burtin
 TAX 9.5%
 838.87

Thank You!



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

TICKET CONTINUATION

TICKET No. 27489

CUSTOMER *Alomino Petroleum*

WELL *King #1*

DATE *05/08/19*

PAGE 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	WELL		UNIT PRICE	AMOUNT
		LOC	ACCT	DF			QTY	U/M		
330										
325						<i>Swift Multi-Density Standard</i>	<i>125</i>	<i>SKS</i>	<i>16.25</i>	<i>2031.25</i>
284						<i>Standard Cement</i>	<i>100</i>	<i>SKS</i>	<i>13.00</i>	<i>1300.00</i>
283						<i>Calseal</i>	<i>5</i>	<i>SKS</i>	<i>35.00</i>	<i>175.00</i>
285						<i>Salt</i>	<i>550</i>	<i>lbs</i>	<i>0.20</i>	<i>110.00</i>
276						<i>CFR-1</i>	<i>50</i>	<i>lbs</i>	<i>4.50</i>	<i>225.00</i>
						<i>Flocke</i>	<i>50</i>	<i>lbs</i>	<i>2.50</i>	<i>125.00</i>
581										
583										
SERVICE CHARGE						<i>Cement</i>				
MILEAGE CHARGE						<i>229.23</i>				
TOTAL WEIGHT						<i>70</i>				
LOADED MILES						<i>225</i>				
TON MILES						<i>802.31</i>				
CONTINUATION TOTAL										<i>5041.96</i>

JOB LOG

SWIFT Services, Inc.

DATE 03/08/19 PAGE NO. 1

CUSTOMER Palomino Petroleum WELL NO. #1 LEASE Klug JOB TYPE Long String TICKET NO. 27489

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0730							On location w/ float equipment
								RTD - 3760'
								Total Pipe Ran - 3522.29, 84 Jts 5 1/2" x 17"
								Shoe Jt - 29.04'
								Baskets - #4, 6, 9
								Turbolizers - SI, 1, 2, 3, 5, 8, 11, 14, 17, 20
	0900							Start Running Casing w/ float Equip.
	1015							Break Circulation on Bottom
							800	Set Basket Shoe
	1125							Hook up to Swift
		2	8					Plug bathole w/ 30 SKS SMD
		5	12				350	Pump Mud Flush
		5	20				350	Pump KCL spacer
	1135	7	53				350	Start SMD Cmt
		7	53				350	Fin SMD CMT, start EA2 Cmt
		5	77				300	Fin EA2 Cmt
							Vac	Drop Plug
		3	3					Washout Pump + Lines
		8 1/2						Start Displacement
		8	60				500	Catch Pressure
	1210	6 1/2	81				900	Land Plug
								Li7 PSI 900 Land PSI 1800
	1215							Release Truck, Dry
								Wash up
								Rack up
	1235							Job Complete

Thanks,
Jon, Austin, Kirby

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1
October 2008
Form Must Be Typed

5/3/12

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 3882
Name: SAMUEL GARY JR. & ASSOCIATES, INC.
Address 1: 1515 WYNKOOP, SUITE 700
Address 2: _____
City: DENVER State: CO Zip: 80202 + _____
Contact Person: CLAYTON CAMOZZI
Phone: (303) 831-4673
CONTRACTOR: License # 33350 **KCC**
Name: SOUTHWIND DRILLING **MAY 05 2010**
Wellsite Geologist: JUSTIN CARTER **CONFIDENTIAL**
Purchaser: _____

Designate Type of Completion:
 New Well Re-Entry Workover
 Oil SWD SLOW
 Gas ENHR SIGW
 CM (Coal Bed Methane) Temp. Abd.
 Dry Other _____
(Core, WSW, Expl., Cathodic, 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: _____ Plug Back Total Depth _____
 Commingled Docket No.: _____
 Dual Completion Docket No.: _____
 Other (SWD or Enhr.?) Docket No.: _____
1/6/2010 1/15/2010 1/15/2010
Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

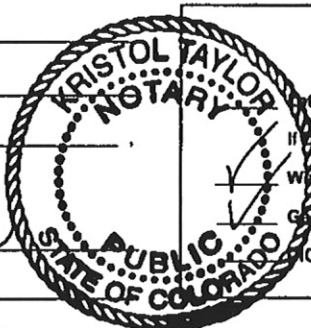
API No. 15 - 009-25376-0000
Spot Description: _____
N2 SW NW NW Sec. 8 Twp. 17 S. R. 12 East West
800 Feet from North / South Line of Section
330 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: BARTON
Lease Name: KLUG Well #: 1-8
Field Name: WILDCAT
Producing Formation: _____
Elevation: Ground: 1875 Kelly Bushing: 1884
Total Depth: 3546 Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at: 1014 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 **PAWS 10-10**
(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 No.: _____
Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West
County: _____ Docket No.: _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

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.

Signature: [Signature]
Title: GEOLOGIST Date: 5/3/2010
Subscribed and sworn to before me this 3rd day of MAY, 2010.
Notary Public: [Signature]
Date Commission Expires: _____



KCC Office Use ONLY
Letter of Confidentiality Received Y
If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
 TIC Distribution
RECEIVED KANSAS CORPORATION COMMISSION
MAY 04 2010

Operator Name: SAMUEL GARY JR. & ASSOCIATES, INC. Lease Name: KLUG Well #: 1-8
 Sec. 8 Twp. 17 S. R. 12 East West County: BARTON

KCC
 MAY 05 2010
 CONFIDENTIAL

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

Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Submit Copy)</i> List All E. Logs Run: DUAL INDUCTION DUAL COMPENSATED POROSITY BHC SONIC MICROLOG	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>TOPEKA</td> <td>2831'</td> <td>-878'</td> </tr> <tr> <td>HEEBNER</td> <td>3077'</td> <td>-1124'</td> </tr> <tr> <td>DOUGLAS</td> <td>3105'</td> <td>-1152'</td> </tr> <tr> <td>LANSING</td> <td>3187'</td> <td>-1234'</td> </tr> <tr> <td>ARBUCKLE</td> <td>3430'</td> <td>-1477'</td> </tr> <tr> <td>TD</td> <td>3546'</td> <td></td> </tr> </table>	Name	Top	Datum	TOPEKA	2831'	-878'	HEEBNER	3077'	-1124'	DOUGLAS	3105'	-1152'	LANSING	3187'	-1234'	ARBUCKLE	3430'	-1477'	TD	3546'	
Name	Top	Datum																				
TOPEKA	2831'	-878'																				
HEEBNER	3077'	-1124'																				
DOUGLAS	3105'	-1152'																				
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ARBUCKLE	3430'	-1477'																				
TD	3546'																					

CASING RECORD <input type="checkbox"/> New <input checked="" 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
SURFACE	12-1/4"	8-5/8"	23	861'	CLASS A	325	2% GEL, 3% CC

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				

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>
		RECEIVED KANSAS CORPORATION COMMISSION MAY 04 2010 CONSERVATION DIVISION WICHITA, KS

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr. _____	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> 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 <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Corrected

Form ACO-1
October 2008
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 3882
Name: SAMUEL GARY JR. & ASSOCIATES, INC.
Address 1: 1515 WYNKOOP, SUITE 700
Address 2: _____
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Contact Person: CLAYTON CAMOZZI
Phone: (303) 831-4673

API No. 15 - 009-25376-0000
Spot Description:
N2 SW NW Sec. 8 Twp. 17 S. R. 12 East West
800 Feet from North / South Line of Section
330 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW

CONTRACTOR: License # 33350
Name: SOUTHWIND DRILLING **MAY 28 2010**
Wellsite Geologist: JUSTIN CARTER
Purchaser: _____

County: BARTON
Lease Name: KLUG Well #: 1-8
Field Name: WILDCAT

Designate Type of Completion:
 New Well Re-Entry Workover
 Oil SWD SIOW
 Gas ENHR SIGW
 CM (Coal Bed Methane) Temp. Abd.
 Dry Other _____
(Core, WSW, Expl., Cathodic, etc.)

Producing Formation: _____
Elevation: Ground: 1875 Kelly Bushing: 1884
Total Depth: 3546 Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at: 1014 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.

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: _____ Plug Back Total Depth _____
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 Dual Completion Docket No.: _____
 Other (SWD or Enhr.?) Docket No.: _____
1/6/2010 1/15/2010 1/15/2010
Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

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 No.: _____
Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West
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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.

Signature: *Janet Rakowski*
Title: GEO/ENGINEER TECH Date: 7/27/10
Subscribed and sworn to before me this 27th day of _____
2010
Notary Public: Janet Rakowski
Date Commission Expires: 06/05/13



KCC Office Use ONLY
 Letter of Confidentiality Received
If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution

Operator Name: SAMUEL GARY JR. & ASSOCIATES, INC. Lease Name: KLUG Well #: 1-8
 Sec. 8 Twp. 17 S. R. 12 East West County: BARTON

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

Drill Stem Tests Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Submit Copy)</i> List All E. Logs Run: DUAL INDUCTION DUAL COMPENSATED POROSITY BHC SONIC MICROLOG	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>TOPEKA</td> <td>2831'</td> <td>-878'</td> </tr> <tr> <td>HEEBNER</td> <td>3077'</td> <td>-1124'</td> </tr> <tr> <td>DOUGLAS</td> <td>3105'</td> <td>-1152'</td> </tr> <tr> <td>LANSING</td> <td>3187'</td> <td>-1234'</td> </tr> <tr> <td>ARBUCKLE</td> <td>3430'</td> <td>-1477'</td> </tr> <tr> <td>TD</td> <td>3546'</td> <td></td> </tr> </table>	Name	Top	Datum	TOPEKA	2831'	-878'	HEEBNER	3077'	-1124'	DOUGLAS	3105'	-1152'	LANSING	3187'	-1234'	ARBUCKLE	3430'	-1477'	TD	3546'	
Name	Top	Datum																				
TOPEKA	2831'	-878'																				
HEEBNER	3077'	-1124'																				
DOUGLAS	3105'	-1152'																				
LANSING	3187'	-1234'																				
ARBUCKLE	3430'	-1477'																				
TD	3546'																					

CASING RECORD <input type="checkbox"/> New <input checked="" 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
SURFACE	12-1/4"	8-5/8"	23	861'	CLASS A	325	2% GEL, 3% CC

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				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
		RECEIVED KANSAS CORPORATION COMMISSION MAY 28 2010 CONSERVATION DIVISION WICHITA, KS	

TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run:	<input type="checkbox"/> Yes	<input type="checkbox"/> No		
Date of First, Resumed Production, SWD or Enthr.		Producing Method:						
		<input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> 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 <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____
---	--	-------------------------------

Quality Oilwell Cementing Inc.

V1001-AP-400

Invoice

740 W WICHITA
P.O. Box 32
Russell, KS 67665

214

Date	Invoice #
1/11/2010	2216

Bill To
Samuel Gary Jr & Associates Inc P.O. BOX 448 RUSSELL KS 67665

KCC
MAY 05 2010
RECEIVED CONFIDENTIAL

JAN 15 2010

SAMUEL GARY JR.
& ASSOCIATES, INC.

P.O. No.	Terms	Project
	Net 30	

Quantity	Description	Rate	Amount
325	common	10.50	3,412.50T
6	GEL	17.00	102.00T
11	Calcium	42.00	462.00T
342	handling	2.00	684.00
1	MILEAGE CHARGE	600.00	600.00
1	8 5/8 solid rubber plug	102.00	102.00T
1	8 5/8 baffle plate	140.00	140.00T
1	surface pipe 500-1500ft	550.00	550.00
31	pump truck mileage charge	7.00	217.00
844	discount if paid within 30 days DISCOUNT HAS ALREADY BEEN DEDUCTED	-1.00	-844.00T
410	discount if paid within 30 days DISCOUNT HAS ALREADY BEEN DEDUCTED	-1.00	-410.00
	LEASE: KLUG WELL #1-8		
	Barton county Sales Tax	6.30%	212.98
		Total	\$5,228.09

RECEIVED
KANSAS CORPORATION COMMISSION

MAY 04 2010

CONSERVATION DIVISION
WICHITA, KS

DRILL COMP WOC LOE GG

AFE #

ACCT # 8200-138

135-60

APPROVED BY:

[Signature]

Thank you for your business. Dave

QUALITY OILWELL CEMENTING, INC.

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 3609

Date	1/10/10	Sec.	8	Twp.	17	Range	12	County	Barton	State	KS	On Location		Finish	8:00 AM
Lease	Klug		Well No.	1-8		Location Beaver, 1W, 3/4 S, E into									
Contractor	Southwind Drilling Rig #2							Owner							
Type Job	Surface							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	12 1/4"		T.D.	862'		Charge To Samuel Gary + Assoc.									
Csg.	8 5/8" 23#		Depth	861'		Street									
Tbg. Size			Depth			City									
Tool			Depth			State									
Cement Left in Csg.	7'		Shoe Joint	7'		The above was done to satisfaction and supervision of owner agent or contractor.									
Meas Line			Displace	54.31 Bbls.		CEMENT									
EQUIPMENT						Amount Ordered 325 sx Com 3% cc 2% ogel									
Pumptrk	9	No.	Cementer	Paul		Common									
			Helper												
Bulktrk	2	No.	Driver	Blake		Poz. Mix									
			Driver												
Bulktrk	PV	No.	Driver	Neale		Gel.									
			Driver												
JOB SERVICES & REMARKS						Calcium									
Remarks:						Hulls									
Cement Circulated						Salt									
Land Plug						Flowseal									
						Handling									
						Mileage									
						FLOAT EQUIPMENT									
						Guide Shoe									
						Centralizer									
						Baskets 8 5/8"									
						AFU inserts									
						Baffle Plate									
						Rubber Plug									
						Head + Manifold									
						Pumptrk Charge									
						Mileage									
						Tax									
						Discount									
						Total Charge									
X Signature <i>Paul Neale</i>															

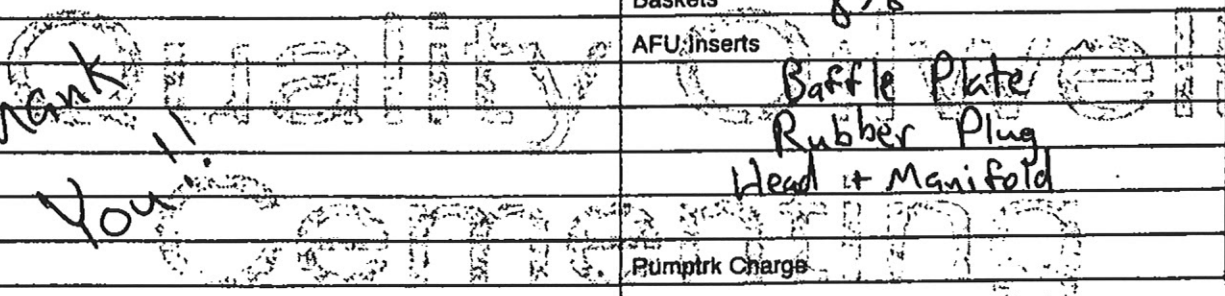
KCC
MAY 05 2010
CONFIDENTIAL

RECEIVED
KANSAS CORPORATION COMMISSION

MAY 04 2010

CONSERVATION DIVISION
WICHITA, KS

Thank You!



Baffle Plate
Rubber Plug
Head + Manifold

Quality Oilwell Cementing Inc.

740 W WICHITA
P.O. Box 32
Russell, KS 67665

V1001-AP-503

2/11

Invoice

Date	Invoice #
1/18/2010	2233

Bill To
Samuel Gary Jr & Associates Inc P.O. BOX 448 RUSSELL KS 67665

KCC
MAY 05 2010
CONFIDENTIAL

P.O. No.	Terms	Project
	Net 30	

Quantity	Description	Rate	Amount
123	common	10.50	1,291.50T
82	POZ	6.50	533.00T
7	GEL	17.00	119.00T
51	Celloseal	2.00	102.00T
212	handling	2.00	424.00T
1	MILEAGE CHARGE	400.00	400.00T
1	pump truck charge plugging	500.00	500.00T
25	pump truck mileage charge	7.00	175.00T
709	discount if paid within 30 days DISCOUNT HAS ALREADY BEEN DEDUCTED	-1.00	-709.00T
	LEASE: KLUG WELL #2 Barton county Sales Tax	6.30%	178.64
<p>RECEIVED JAN 26 2010 SAMUEL GARY JR. & ASSOCIATES, INC.</p> <p>RECEIVED KANSAS CORPORATION COMMISSION MAY 04 2010 CONSERVATION DIVISION WICHITA, KS</p> <p><input checked="" type="checkbox"/> DRLG <input type="checkbox"/> COMP <input type="checkbox"/> W/O <input type="checkbox"/> LOE <input type="checkbox"/> GG</p> <p>AFE # <u>135</u></p> <p>ACCT # <u>107-32</u></p> <p>APPROVED BY: <u>[Signature]</u></p> <p>8200-138</p>			
Total			\$3,014.14

QUALITY OILWELL CEMENTING, INC.

785-483-2025

Home Office P.O. Box 32 Russell, KS 67665

No. 3291

785-324-1041

Date	1-15-10	Sec.	8	Twp.	17	Range	12	County	Barber	State	Ks	On Location		Finish	11:30	
Lease	Klug	Well No.	F8	Location Redwing 6 N 1 W 1 1/2 S												
Contractor	Southwind Drilling #2	Owner E. J. J. Jr														
Type Job	PTA	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	7 7/8	T.D.	3550	Charge To Sam Gary Jr & Assoc.												
Csg.		Depth		Street												
Tbg. Size		Depth		City State												
Drill Pipe	4 1/2	Depth	3410	The above was done to satisfaction and supervision of owner agent or contractor.												
Tool		Depth														
Cement Left in Csg.		Shoe Joint		KCC												
Press Max.		Minimum		CEMENT Amount Ordered 205x 60/40 P2 410 GEL 1/4" C												
Meas Line		Displace		CONFIDENTIAL Common 123 @ 10.50 1286.50												
Perf.				Pos. Mix 82 @ 6.50 533.00												
EQUIPMENT				Gel. 7 @ 12.00 119.00												
Pumptrk	5	No.		Cement Helper JOB												
Bulktrk	10	No.		Driver NEAR												
Bulktrk	PV	No.		Driver TOOD												
JOB SERVICES & REMARKS				Flowseal 51 @ 2.00 102.00												
Pumptrk Charge	PTA Arb plug		500.00													
Mileage	25 @ 27.00		125.00													
Footage																
			Total	675.00	Handling 212 @ 2.00 424.00											
Remarks:				Mileage .08 per sq per M.10 400.00												
1st Plug 25x @ 3410'				Pump Truck Charge 675.00												
DISP w/ Mm				FLOAT EQUIPMENT												
2nd Plug 40x @ 911'				Guide Shoe												
DISP w/ H2O				Centralizer RECEIVED												
3rd Plug 100x @ 400'				Baskets												
DISP w/ H2O				AFU Inserts JAN 26 2010												
4th Plug 10x @ 40'				RECEIVED KANSAS CORPORATION COMMISSION												
30x 2 hole				SAMUEL GARY JR. & ASSOCIATES, INC. MAY 04 2010												
				CONSERVATION DIVISION WICHITA KS												
				Rotating Head												
				Squeez Mainfold												
Thanks TOOD DE & NEALS				Tax 178.64												
Signature <i>Cherylne Turner</i>				Discount (709.00)												
				Total Charge 3044.14												



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum Inc**

4924 SE 84th St
Newton, KS 67114+8827

ATTN: Nick Gerstner

Klug #1

8-17S-12W Barton,KS

Start Date: 2019.03.07 @ 06:24:00

End Date: 2019.03.07 @ 14:16:02

Job Ticket #: 65652 DST #: 1

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Palomino Petroleum Inc
4924 SE 84th St
New ton, KS 67114+8827
ATTN: Nick Gerstner

8-17S-12W Barton,KS
Klug #1
Job Ticket: 65652 **DST#: 1**
Test Start: 2019.03.07 @ 06:24:00

GENERAL INFORMATION:

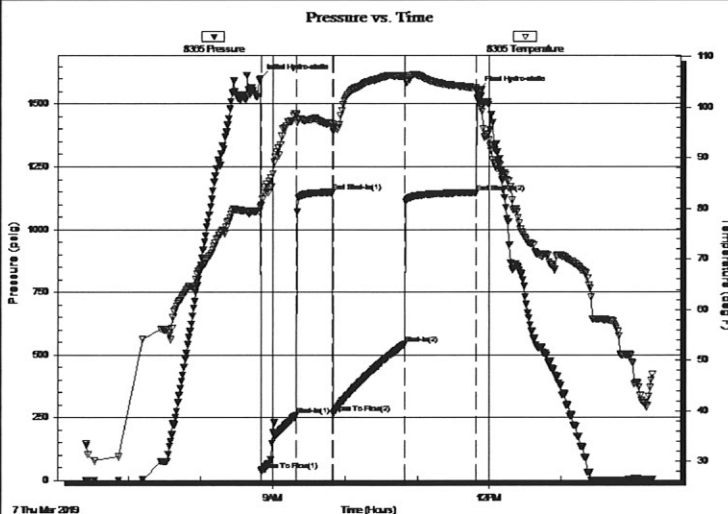
Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 08:49:32
Time Test Ended: 14:16:02
Interval: **3390.00 ft (KB) To 3445.00 ft (KB) (TVD)**
Total Depth: 3550.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Initial)
Tester: Ken Swinney
Unit No: 72
Reference Elevations: 1955.00 ft (KB)
1944.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 8365

Inside

Press@RunDepth: 543.83 psig @ 3390.00 ft (KB) Capacity: psig
Start Date: 2019.03.07 End Date: 2019.03.07 Last Calib.: 2019.03.07
Start Time: 06:24:01 End Time: 14:16:02 Time On Btm: 2019.03.07 @ 08:48:47
Time Off Btm: 2019.03.07 @ 11:50:17

TEST COMMENT: IF 30 Minutes Blow to BOB in 10 min - Total build 60"
ISI 30 Minutes Light surface blow back
FF 60 Minutes Blow to BOB in 5 min - Total build 111"
FSI 60 Minutes Light surface blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1602.88	80.29	Initial Hydro-static
1	38.51	80.53	Open To Flow (1)
31	258.86	98.36	Shut-In(1)
60	1148.66	96.65	End Shut-In(1)
61	265.22	95.45	Open To Flow (2)
120	543.83	106.29	Shut-In(2)
181	1146.91	103.78	End Shut-In(2)
182	1553.43	101.81	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
310.00	VSOCMW/ 5% O 15% M 80% W	3.26
310.00	OCMW/ 15% O 20% M 65% W	4.35
496.00	OCWM 15% O 30% W 55% M	6.96
30.00	WCOM 25% W 35% O 40% M	0.42

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum Inc
4924 SE 84th St
New ton, KS 67114+8827
ATTN: Nick Gerstner

8-17S-12W Barton,KS
Klug #1
Job Ticket: 65652 **DST#: 1**
Test Start: 2019.03.07 @ 06:24:00

GENERAL INFORMATION:

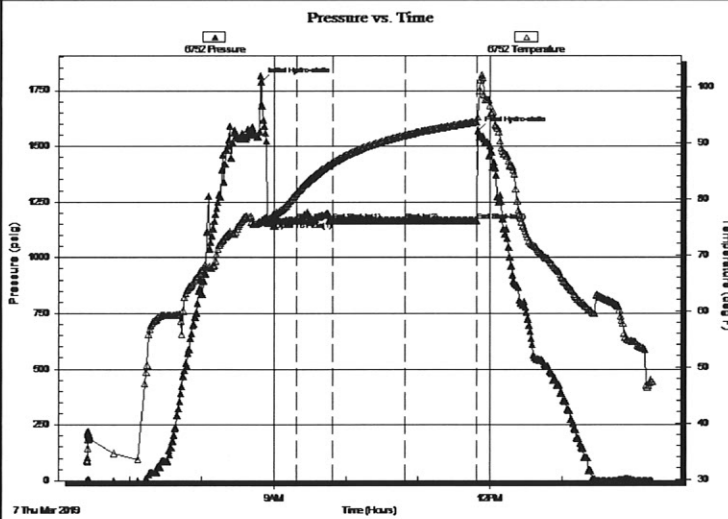
Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 08:49:32
Time Test Ended: 14:16:02
Interval: **3390.00 ft (KB) To 3445.00 ft (KB) (TVD)**
Total Depth: 3550.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Initial)
Tester: Ken Swinney
Unit No: 72
Reference Elevations: 1955.00 ft (KB)
1944.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 6752

Below (Straddle)

Press@RunDepth: 1164.96 psig @ 3451.65 ft (KB) Capacity: psig
Start Date: 2019.03.07 End Date: 2019.03.07 Last Calib.: 2019.03.07
Start Time: 06:24:01 End Time: 14:17:02 Time On Btm: 2019.03.07 @ 08:48:47
Time Off Btm: 2019.03.07 @ 11:50:17

TEST COMMENT: IF 30 Minutes Blow to BOB in 10 min - Total build 60"
ISI 30 Minutes Light surface blow back
FF 60 Minutes Blow to BOB in 5 min - Total build 111"
FSI 60 Minutes Light surface blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1788.31	75.93	Initial Hydro-static
30	1164.68	81.07	Shut-In(1)
60	1164.79	86.39	End Shut-In(1)
60	1164.79	86.46	Open To Flow (1)
121	1164.83	91.30	Shut-In(2)
181	1164.96	93.71	End Shut-In(2)
182	1569.48	94.56	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
310.00	VSOCMW/ 5% O 15% M 80% W	3.26
310.00	OCMW/ 15% O 20% M 65% W	4.35
496.00	OCWM 15% O 30% W 55% M	6.96
30.00	WCOM 25% W 35% O 40% M	0.42

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Palomino Petroleum Inc
 4924 SE 84th St
 New ton, KS 67114+8827
 ATTN: Nick Gerstner

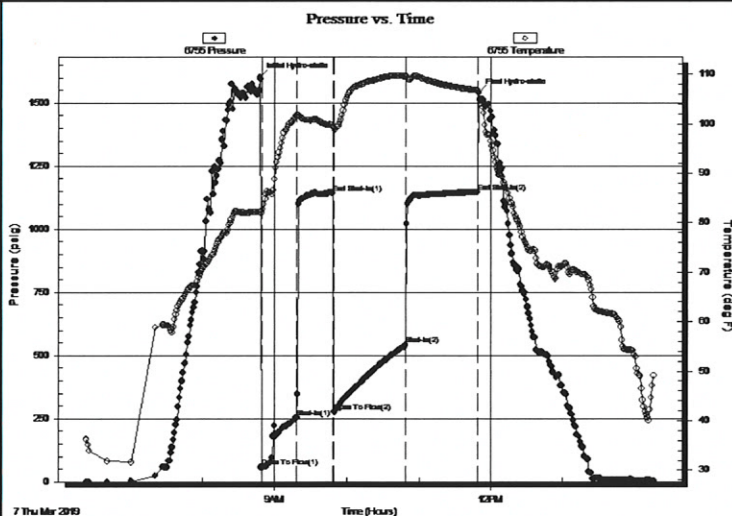
8-17S-12W Barton,KS
Klug #1
 Job Ticket: 65652 **DST#: 1**
 Test Start: 2019.03.07 @ 06:24:00

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 08:49:32 Tester: Ken Swinney
 Time Test Ended: 14:16:02 Unit No: 72
 Interval: **3390.00 ft (KB) To 3445.00 ft (KB) (TVD)** Reference Elevations: 1955.00 ft (KB)
 Total Depth: 3550.00 ft (KB) (TVD) 1944.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 11.00 ft

Serial #: 6755 Outside
 Press@RunDepth: 1146.43 psig @ 3390.00 ft (KB) Capacity: psig
 Start Date: 2019.03.07 End Date: 2019.03.07 Last Calib.: 2019.03.07
 Start Time: 06:24:01 End Time: 14:16:02 Time On Btm: 2019.03.07 @ 08:48:02
 Time Off Btm: 2019.03.07 @ 11:50:17

TEST COMMENT: IF 30 Minutes Blow to BOB in 10 min - Total build 60"
 ISI 30 Minutes Light surface blow back
 FF 60 Minutes Blow to BOB in 5 min - Total build 111"
 FSI 60 Minutes Light surface blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1603.49	82.11	Initial Hydro-static
2	56.94	82.02	Open To Flow (1)
31	253.55	101.71	Shut-In(1)
61	1142.93	99.59	End Shut-In(1)
62	275.75	99.19	Open To Flow (2)
121	540.92	109.54	Shut-In(2)
182	1146.43	106.73	End Shut-In(2)
183	1541.13	106.22	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
310.00	VSOCMW/ 5% O 15% M 80% W	3.26
310.00	OCMW/ 15% O 20% M 65% W	4.35
496.00	OCWW 15% O 30% W 55% M	6.96
30.00	WCOM 25% W 35% O 40% M	0.42

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum Inc
4924 SE 84th St
New ton, KS 67114+8827
ATTN: Nick Gerstner

8-17S-12W Barton,KS
Klug #1
Job Ticket: 65652 **DST#: 1**
Test Start: 2019.03.07 @ 06:24:00

Tool Information

Drill Pipe:	Length: 3273.00 ft	Diameter: 3.80 inches	Volume: 45.91 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 46.50 bbl</u>	Tool Chased 1.00 ft
Drill Pipe Above KB:	26.70 ft			String Weight: Initial 55000.00 lb
Depth to Top Packer:	3390.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	158.03 ft			
Tool Length:	181.73 ft			
Number of Packers:	4	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut-In Tool	5.00			3371.30	
Hydraulic tool	5.00			3376.30	
Jars	5.00			3381.30	
Safety Joint	2.00			3383.30	
Top Packer	5.00			3388.30	
Packer	1.70			3390.00	23.70 Bottom Of Top Packer
Recorder	0.00	8365	Inside	3390.00	
Recorder	0.00	6755	Outside	3390.00	
Anchor	15.00			3405.00	
Change Over Sub	0.85			3405.85	
Drill Pipe	31.85			3437.70	
Change Over Sub	1.15			3438.85	
Blank Off Sub	1.00			3439.85	
Packer (Interval Side)	3.40			3443.25	
Packer (Tail Side)	1.75			3445.00	158.03 Tool Interval
Packer	4.65			3449.65	
Perforations	2.00			3451.65	
Recorder	0.00	6752	Below	3451.65	
Change Over Sub	1.05			3452.70	
Drill Pipe	95.33			3548.03	1000180.73 Bottom Packers & Anchor

Total Tool Length: 181.73



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum Inc
4924 SE 84th St
New ton, KS 67114+8827
ATTN: Nick Gerstner

8-17S-12W Barton,KS
Klug #1
Job Ticket: 65652 **DST#: 1**
Test Start: 2019.03.07 @ 06:24:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 8.00 lb/gal	Cushion Length: ft	Water Salinity:	11000 ppm
Viscosity: 49.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.79 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4200.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
310.00	VSOCMM/ 5% O 15% M 80% W	3.255
310.00	OCMM/ 15% O 20% M 65% W	4.348
496.00	OCWW 15% O 30% W 55% M	6.958
30.00	WCOM 25% W 35% O 40% M	0.421

Total Length: 1146.00 ft Total Volume: 14.982 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments: Recover Resistivity .830 ohms @ 47 deg

Serial #: 8365

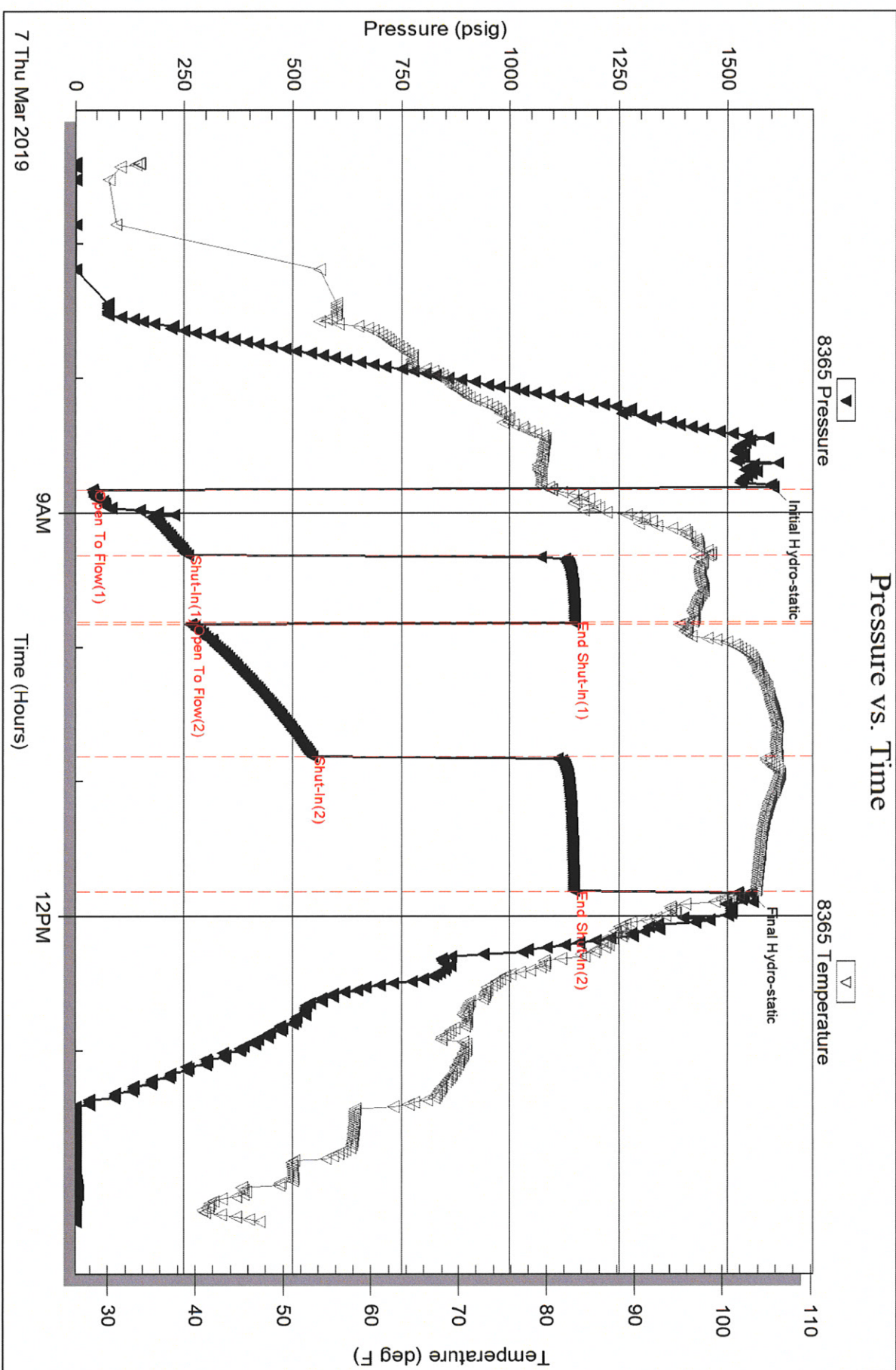
Inside

Palomiro Petroleum Inc

Klug #1

DST Test Number: 1

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 65652

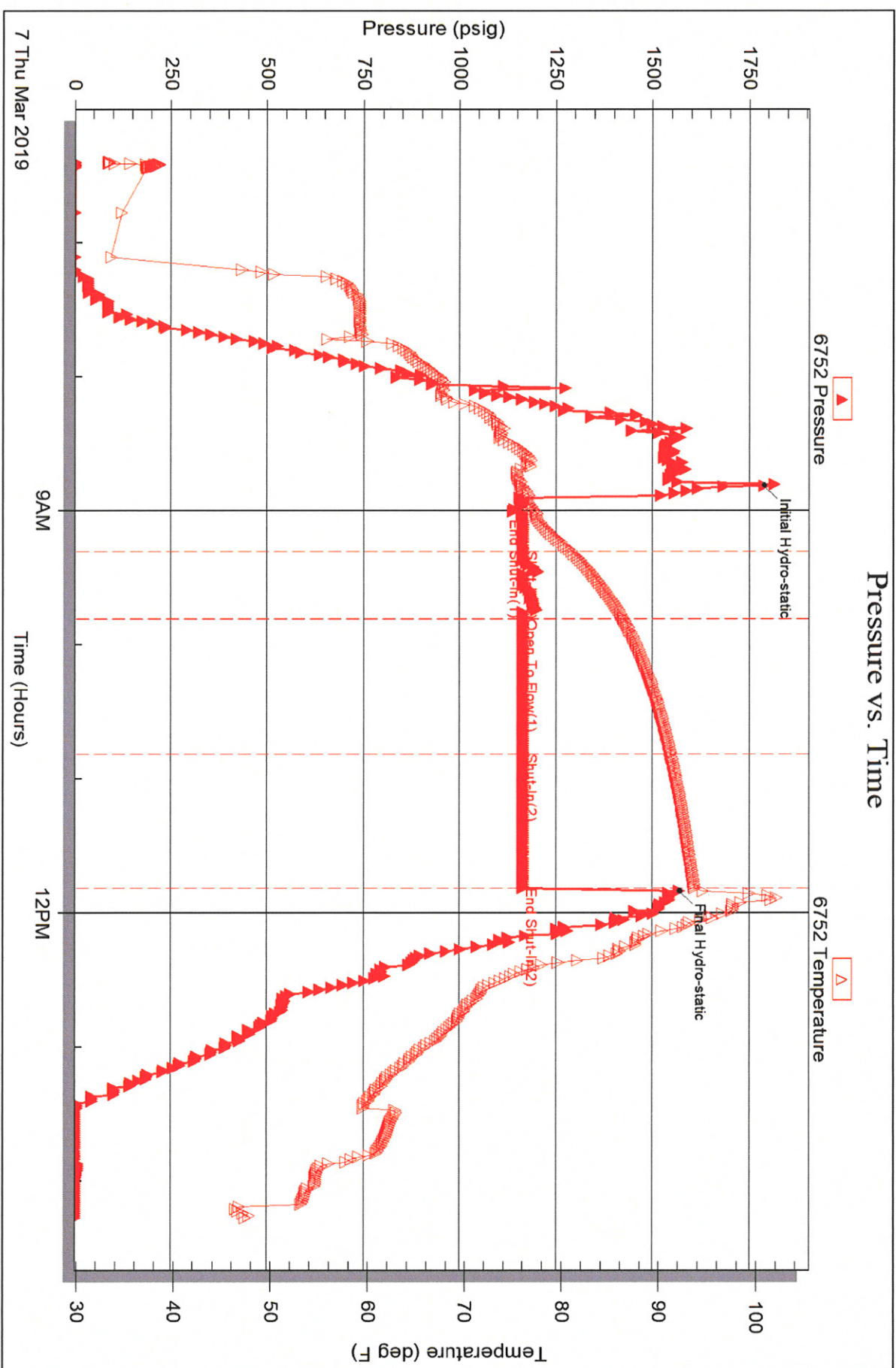
Printed: 2019.03.08 @ 08:42:11

Serial #: 6752

Below (Stratton) Petroleum Inc

Klug #1

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 65652

Printed: 2019.03.08 @ 08:42:11

Serial #: 6755

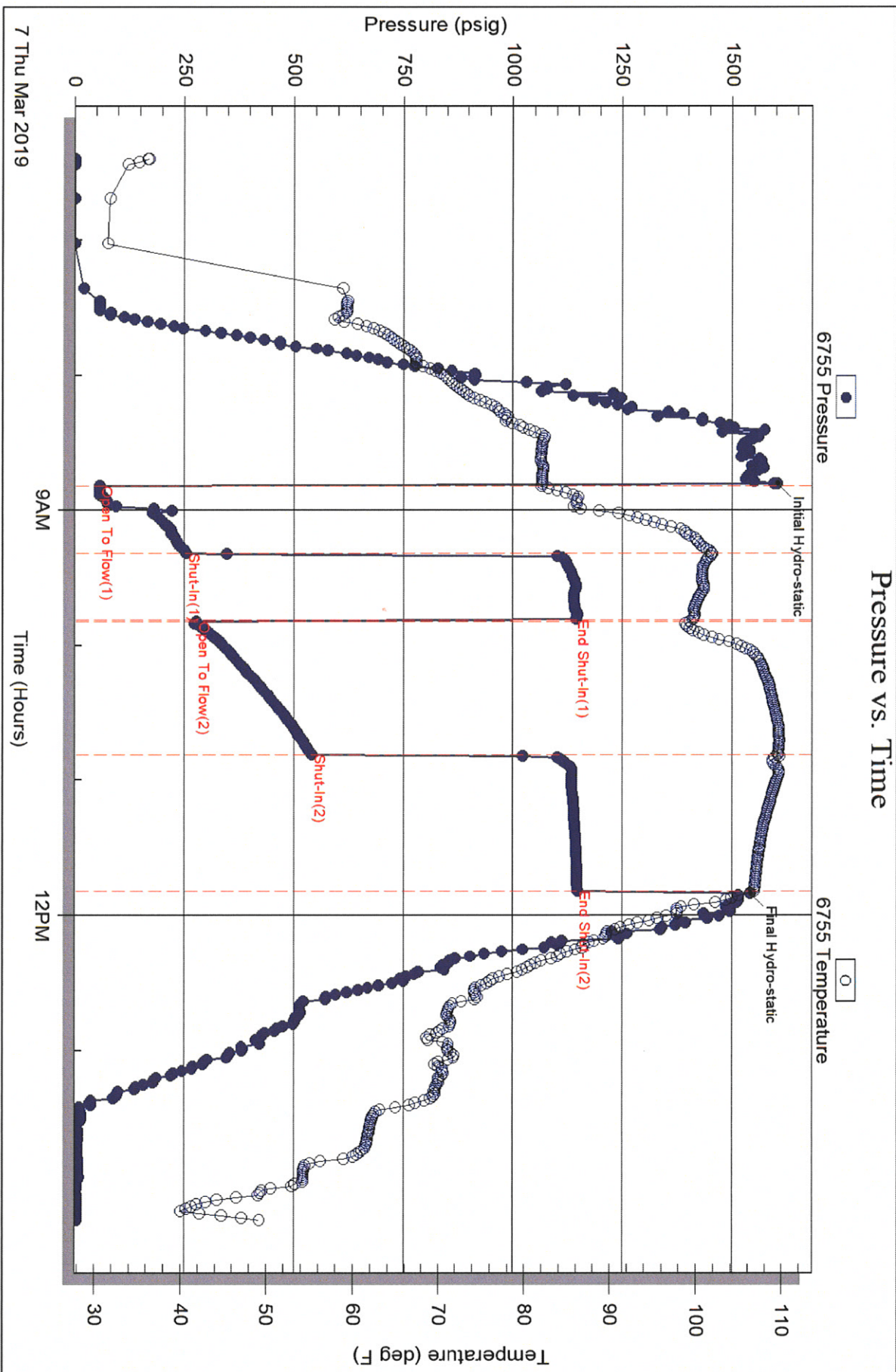
Outside

Palomino Petroleum Inc

Klug #1

DST Test Number: 1

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 65652

Printed: 2019.03.08 @ 08:42:11



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **65652**

Well Name & No. Klug #1 Test No. 1 Date 7 MAR 19
 Company Palemio Petroleum Inc Elevation 1955 KB 1944 GL
 Address 4924 SE 84th St Newton KS 67114+8827
 Co. Rep / Geo. BB Rig WW Rig 14
 Location: Sec. 8 Twp 17S Rge. 12W Co. Barton State KS

Interval Tested 3390-3445 Zone Tested Arbuckle Mud Wt. 8.5
 Anchor Length 55 Drill Pipe Run 3273 Vis 49
 Top Packer Depth 3385 Drill Collars Run 120 WL 8.8
 Bottom Packer Depth 3390 Wt. Pipe Run — LCM Trace
 Total Depth 3550 Chlorides 4200 ppm System

Blow Description IF Blow to BOB in 10 min / Total build 60 inch
FSI Light surface blow back
FF Blow to BOB in 5 min / Total build 111 inch
FSI Light surface blow back
 Rec 310 Feet of V50CMW %gas 5 %oil 80 %water 15 %mud
 Rec 310 Feet of L0CMW %gas 15 %oil 65 %water 20 %mud

Rec 496 Feet of OCWM %gas 15 %oil 30 %water 55 %mud
 Rec 30 Feet of WCOM %gas 35 %oil 25 %water 40 %mud
 Rec _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud

Rec Total 1146 BHT 106 Gravity _____ API RW .830 @ 47 °F Chlorides 1100 ppm
 (A) Initial Hydrostatic 1602 Test 1200 T-On Location _____
 (B) First Initial Flow 38 Jars 250 T-Started 6:24 am
 (C) First Final Flow 258 Safety Joint 75 T-Open 8:48 am
 (D) Initial Shut-In 1148 Circ Sub _____ T-Pulled 11:48 am
 (E) Second Initial Flow 265 Hourly Standby _____ T-Out 2:18 pm
 (F) Second Final Flow 543 Mileage 44 44 Comments _____
 (G) Final Shut-In 1146 Sampler _____
 (H) Final Hydrostatic 1553 Straddle 600

EM Tool _____
 Ruined Shale Packer _____
 Ruined Packer _____
 Extra Copies _____
 Sub Total 0
 Total 2369
 MP/DST Disc't _____

Initial Open 30
 Initial Shut-In 30
 Final Flow 60
 Final Shut-In 60

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.