

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](mailto: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
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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:	
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Form	ACO1 - Well Completion
Operator	Palomino Petroleum, Inc.
Well Name	MASLO 1
Doc ID	1411563

Tops

Name	Top	Datum
Anhy.	1844	(+ 661)
Base Anhy.	1876	(+ 629)
Heebner	3835	(-1330)
Lansing	3874	(-1369)
Stark	4111	(-1606)
BKC	4173	(-1668)
Pawnee	4299	(-1794)
Ft. Scott	4373	(-1868)
Cherokee Sh.	4399	(-1894)
Miss. Porosity	4483	(-1978)
LTD	4598	(-2093)



# SWIFT



Services, Inc.

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



## Invoice

DATE	INVOICE #
3/30/2018	31346

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

**RECEIVED** • Acidizing  
 APR 05 2018 • Cement  
 • Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#1	Maslo	Ness	DS&W	Oil	Development	Cement 5 1/2 Por...	David K

PRICE REF.	DESCRIPTION	QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way	30	Miles	5.00	150.00
576D-D	Pump Charge - Deep Surface (> 500 Ft.) & Port Collars	1	Job	1,300.00	1,300.00
330	Swift Multi-Density Standard (MIDCON II)	170	Sacks	16.25	2,762.50T
276	Flocele	50	Lb(s)	2.50	125.00T
290	D-Air	2	Gallon(s)	42.00	84.00T
105	Port Collar Tool Rental With Man	1	Each	275.00	275.00T
581D	Service Charge Cement	200	Sacks	1.75	350.00
583D	Drayage	299.25	Ton Miles	0.85	254.36
	Subtotal				5,300.86
	Sales Tax Ness County			6.50%	211.02

*Cement for port collar 3/30*

<b>We Appreciate Your Business!</b>	<b>Total</b>	\$5,511.88 ✓
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TICKET 031346

CHARGE TO: P  
 ADDRESS: Calowind Petroleum  
 CITY, STATE, ZIP CODE: \_\_\_\_\_

PAGE 1 OF 1

SERVICE LOCATIONS  
 1. Ness City KS  
 2. \_\_\_\_\_  
 3. \_\_\_\_\_  
 4. \_\_\_\_\_

WELL/PROJECT NO. H1  
 LEASE Mush  
 COUNTY/PARISH Ness  
 RIG NAME/NO. \_\_\_\_\_

TICKET TYPE  SERVICE  SALES  
 CONTRACTOR DSW Well Services  
 WELL CATEGORY Development  
 JOB PURPOSE Install 5 1/2" Port Collar

WELL TYPE Oil  
 INVOICE INSTRUCTIONS \_\_\_\_\_

STATE KS CITY Utica  
 SHIPPED VIA CT DELIVERED TO 1 location  
 WELL PERMIT NO. \_\_\_\_\_

DATE 3-30-18 OWNER Sevens  
 ORDER NO. \_\_\_\_\_

WELL LOCATION Utica - 3 1/2", 3y 3/4", Sink

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	MILEAGE	QTY.			UNIT PRICE	AMOUNT		
		LOC	ACCT	DF			QTY.	UM	QTY.			UM	
575					TR #115				30	mi	5.00	150.00	
576 D					Running Charge - Port Collar				1	job	1300.00	1300.00	
330					SMB Cement				170	sls	16.25	2762.50	
276					Floccle				1/4	lb	50.00	12.50	
290					D-Air				2	gal	42.00	84.00	
105					Port Collar Tool Rental				5 1/2	in	1 job	275.00	275.00
581					Service Charge Cement				200	sls	1.25	350.00	
583					Draysage				14450	lbs	244.25	3517.88	

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.

A.M.  P.M.

DATE SIGNED 3-30-18 TIME SIGNED 3:00

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

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

PAGE TOTAL 5300.86

TOTAL 5511.88

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

WIFT OPERATOR David Kuehn APPROVAL \_\_\_\_\_

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 3-30-18	PAGE NO. 1
TICKET NO. 31346	

CUSTOMER Palomina Petroleum		WELL NO. #1		LEASE Musto		JOB TYPE Port Collar		DESCRIPTION OF OPERATION AND MATERIALS	
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)			
				T	C	TUBING	CASING		
	1100								on location 2 3/8" x 5 1/2"
									P.C. - 1810
	1135	Ø	Ø		✓		1000	Pressure Test	*Hold*
									Open P.C.
		3	4		✓		300	Injection Rate	
	1145	3 1/2	95		✓		350	mix 170 sk SMO 1/4" Flt @ 11.2 ppg	circulate cement to surface
		3 1/2	6 1/2		✓			Displace Cement	
	1215	Ø	Ø		✓		1000	Close P.C.	Test & Hold*
									Run 6 sts
	1225	3 1/2	20		✓		250	Reverse clean	
									wash up truck
									170 sks total *
									20 sks to p.f.*
	1300								Job Complete
									Thank You
									Dave Preston Kirby



# SWIFT



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



## Invoice

DATE	INVOICE #
3/23/2018	31340

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

RECEIVED • Acidizing  
APR 05 2018 • Cement  
• Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#1	Malso	Ness	WW Drilling Rig #8	Oil	Development	Cement Long Str...	David K
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				30	Miles	5.00	150.00
578D-L	Pump Charge - Long String				1	Job	1,300.00	1,300.00
403-5	5 1/2" Cement Basket				1	Each	275.00	275.00T
404-5	5 1/2" Port Collar				1	Each	2,500.00	2,500.00T
406-5	5 1/2" Latch Down Plug & Baffle				1	Each	250.00	250.00T
407-5	5 1/2" Insert Float Shoe With Auto Fill				1	Each	325.00	325.00T
409-5	5 1/2" Turbolizer				11	Each	85.00	935.00T
419-5	5 1/2" Rotating Head Rental				1	Each	200.00	200.00T
325	Standard Cement				100	Sacks	13.00	1,300.00T
284	Calseal				5	Sack(s)	35.00	175.00T
283	Salt				500	Lb(s)	0.20	100.00T
285	CFR-1				50	Lb(s)	4.50	225.00T
276	Flocele				50	Lb(s)	2.50	125.00T
330	Swift Multi-Density Standard (MIDCON II)				125	Sacks	16.25	2,031.25T
290	D-Air				3	Gallon(s)	42.00	126.00T
281	Mud Flush				500	Gallon(s)	1.50	750.00T
221	Liquid KCL (Clayfix)				4	Gallon(s)	25.00	100.00T
581D	Service Charge Cement				225	Sacks	1.75	393.75
583D	Drayage				342.74	Ton Miles	0.85	291.33
	Subtotal							11,552.33
	Sales Tax Ness County						6.50%	612.12

**We Appreciate Your Business!**

**Total**

\$12,164.45





Services, Inc.

CHARGE TO: Plominio Petroleum

ADDRESS

CITY, STATE, ZIP CODE

TICKET 031340

PAGE 1 OF 2

1. SERVICE LOCATIONS <u>Ness City KS</u>	WELL/PROJECT NO. <u>#1</u>	LEASE <u>Maske</u>	COUNTY/PARISH <u>Ness</u>	STATE <u>KS</u>	CITY <u>Wichita</u>	DATE <u>3-23-18</u>	OWNER <u>Seane</u>	
TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <u>W+D Drilling</u>	RIG NAME/NO. <u>#8</u>	SHIPPED VIA <u>CT</u>	DELIVERED TO <u>Location</u>	WELL PERMIT NO.	ORDER NO.		
WELL TYPE <u>Oil</u>	WELL CATEGORY <u>Development</u>	JOB PURPOSE <u>Cement 5 1/2" Longstring</u>	WELL LOCATION <u>Wichita - 4E, 3g, 3/4E, S. side</u>					
REFERRAL LOCATION INVOICE INSTRUCTIONS								

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	MILEAGE	QTY.	U/M	UNIT PRICE	AMOUNT
		LOC	ACCT	DF						
575		1			TRK # 112	30	mi	5.00	150.00	
578		1			Pump Change - Longstring	1	job	1300.00	1300.00	
403		1			Cement Basket	1	ea	275.00	275.00	
401		1			Port Collar	1	ea	2500.00	2500.00	
406		1			Leak Down Plug + Baffle	1	ea	250.00	250.00	
407		1			Insert Float Shoe w/ Aube fill	1	ea	325.00	325.00	
409		1			Turbolizer	1	ea	85.00	85.00	
419		1			Rotating Head Rental	1	job	200.00	200.00	

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MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS.  
 X Blam  
 DATE SIGNED 3-23-18 TIME SIGNED  A.M.  P.M.

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

SURVEY	AGREE	UNDECIDED	DISAGREE	PAGE TOTAL #1	5935.00
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				PAGE TOTAL #2	5617.33
WE UNDERSTOOD AND MET YOUR NEEDS?					11558.33
OUR SERVICE WAS PERFORMED WITHOUT DELAY?					
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?					
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES	<input type="checkbox"/> NO		TOTAL	12104.45
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND					

SWIFT OPERATOR David Hush APPROVAL

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

Thank You!



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

TICKET CONTINUATION

TICKET No. # 31340

CUSTOMER: Palomino Petroleum  
WELL: Wells #1  
DATE: 3-23-18  
PAGE: 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	WELL				DATE	UNIT PRICE	AMOUNT	PAGE	OF	
		LOC	ACCT	DR			QTY	U/M	QTY	U/M						
325		1				Standard Cement (EA-2)			100	sk		13.00	1300.00			
284		1				Celsteel			5	sk		35.00	175.00			
283		1				Self			1019	500 lbs		00.20	100.00			
285		1				CFR-1			1/2	%		4.50	225.00			
276		1				Flocel			50	1/4 lb		2.50	125.00			
330		1				SMD Cement			125	sk		16.25	2031.25			
290		1				D-Air			3	gal		42.00	126.00			
281		1				Mud Flush			500	gal		1.50	750.00			
221		1				Liquid HCl			4	gal		25.00	100.00			
581		1				SERVICE CHARGE			225			1.75	393.75			
583		1				MILEAGE CHARGE			30			00.85	291.00			
							CUBIC FEET		342.75							
							TON MILES		30							
													CONTINUATION TOTAL	5617.33		

JOB LOG

SWIFT Services, Inc.

DATE 3-23-18 PAGE NO. 1

CUSTOMER Petroleum Petroleum WELL NO. #1 LEASE Muske JOB TYPE 5 1/2" Longstring TICKET NO. #31340

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1300							on location 5 1/2" 14"
								RTD - 4596' LTD - 4598'
								TP - 4598' SS #1 43,40
								P.C. - #67 1808' out #55 #87 run 1100's
								turbos - #1 #2 #3 #5 #7 #9 #11 #13 #15 #17 #66
								Basket - #67
	1345							Start 5 1/2" 14" casing in well
	1530							Drop Ball circulate *Rotate*
	1630	6 1/2	12		✓	300		Pump 500 gal Mud flush
		6 1/2	20		✓	300		Pump 20 bbl KCL Flush
			11					Plug RH (30 sks)
	1645	4 1/2	36		✓	300		mix 95 sks SMD @ 12.5 PPG
		4 1/2	24		✓	2000		mix 100 sks EA-2 @ 15.5 PPG
								wash out Pump + lines
								Release Top Plug
	1710	6 1/2	0		✓	100		Start Displacement KCL in 1 <sup>st</sup> tank
		6 1/2	80		✓	250		Lift Pressure
		6 1/2	110		✓	800		max lift Pressure
	1730	6 1/2	111		✓	1800		Land Latch Down Plug
								Release Pressure *Plug Hold*
								wash up truck
	1800							Job Complete

Thank You  
Dave Preston Kirby

GLOBAL OIL FIELD SERVICES, LLC

# Invoice

24 S. Lincoln  
RUSSELL, KS 67665

Date	Invoice #
3/20/2018	3254

**RECEIVED**  
MAR 22 2018

<b>Bill To</b>
PALOMINO PETROLEUM INC 4924 SE 84TH ST NEWTON,KS 67114

P.O. No.	Terms	Project
MASLOW#1	Due on receipt	

Quantity	Description	Rate	Amount
225	COMMON CEMENT	16.00	3,600.00
150	POZ	9.50	1,425.00
12	CALCIUM-CHLORIDE	80.00	960.00
7	BENTONITE GEL	30.00	210.00
394	HANDLING	1.60	630.40
	BULK MILEAGE	750.00	750.00
1	TRI-PLEX PUMP CHARGE FOR SURFACE	850.00	850.00
45	HEAVY EQUIPMENT. ONE WAY	3.50	157.50
45	LMV- ONE WAY	1.75	78.75
	25% DISCOUNT IF PAID WITHIN 15 DAYS OF INVOICE		
	NESS CO SALES TAX	7.50%	0.00

Thank you for your business.

Phone #	Fax #
785-445-3525	785-445-3526

**Total** \$8,661.65



# GLOBAL OIL FIELD SERVICES, LLC

3254

REMIT TO 24 S. Lincoln  
Russell, KS 67665

SERVICE POINT: Russell KS

DATE <u>3-15-18</u>	SEC. <u>9</u>	TWP. <u>17s</u>	RANGE <u>25W</u>	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
LEASE <u>Maslow</u>	WELL #. <u>1</u>	LOCATION <u>3/4 mi East of Ulica<sup>KS</sup></u>			COUNTY <u>NESS</u>	STATE <u>KS</u>	
OLD OR NEW (CIRCLE ONE)			<u>RD # 3 South East into</u>				

CONTRACTOR VW Drilling Rig # 8  
 TYPE OF JOB Surface  
 HOLE SIZE 12 1/8 T.D. 852'  
 CASING SIZE 8 3/8 DEPTH  
 TUBING SIZE DEPTH  
 DRILL PIPE DEPTH  
 TOOL DEPTH  
 PRES. MAX. 650 PSI MINIMUM  
 MEAS. LINE SHOE JOINT 42.22'  
 CEMENT LEFT IN CSG.  
 PERFS  
 DISPLACEMENT 51 bbl

OWNER Palomino Petroleum Inc.  
 CEMENT AMOUNT ORDERED 375-45 60/40 3%CC  
2 bags

EQUIPMENT  
 PUMP TRUCK CEMENTER Cody  
 # 409 HELPER Brad  
 BULK TRUCK  
 # 410 DRIVER Tom  
 BULK TRUCK  
 # DRIVER

COMMON @  
 POZMIX @  
 GEL @  
 CHLORIDE @  
 ASC @  
 HANDLING @  
 MILEAGE @  
 TOTAL

REMARKS:

Run 200 ft of 8 3/8 casing + bit + Ball Valve Circulation  
needed to truck pumped 375-45 of cement  
Released Plug Displaced 51 bbl of H<sub>2</sub>O  
and shut in. Cement did circulate to surface  
Plug lifted at 400 psi landed at 650 psi

CHARGE TO: Palomino Petroleum Inc  
 STREET  
 CITY STATE ZIP

SERVICE

DEPTH OF JOB  
 PUMP TRUCK CHARGE  
 EXTRA FOOTAGE @  
 MILEAGE @  
 MANIFOLD @  
 TOTAL

PLUG & FLOAT EQUIPMENT

8 3/8 Rubber Plug + Ball Valve Plate  
 @  
 @  
 @  
 @  
 @  
 TOTAL

Global Oil Field Services, LLC  
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME John Alford  
 SIGNATURE

SALES TAX (If Any)  
 TOTAL CHARGES  
 DISCOUNT IF PAID IN 30 DAYS



# Company: Palomino Petroleum, Inc.

## Lease: Maslo #1

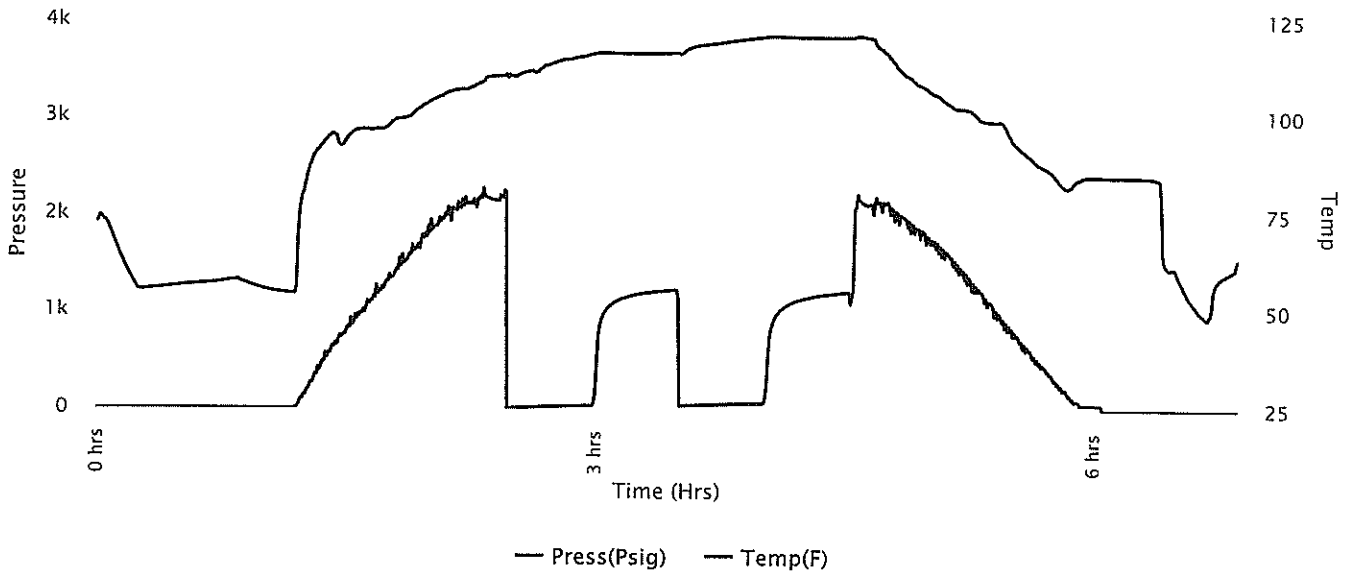
SEC. 9 T.17N. 17S R.10E. 25W  
 County: NESS  
 State: Kansas  
 Drilling Contractor: WW Drilling, LLC - Rig 8  
 Elevation: 2500 GL  
 Field Name: Stutz East  
 Pool: Pool Ext.  
 Job Number: 134

<b>DATE</b>
March
<b>21</b>
2018

<b>DST #1</b>	<b>Formation:</b> Mississippi	<b>Test Interval:</b> 4485 - 4496'	<b>Total Depth:</b> 4496'
	Time On: 22:13 03/21	Time Off: 04:54 03/22	
	Time On Bottom: 00:37 03/22	Time Off Bottom: 02:37 03/22	

Electronic Volume Estimate:  
122'

<u>1st Open</u> Minutes: 30 2.2" at 30 min	1st Close Minutes: 30 0" at 30 min	<u>2nd Open</u> Minutes: 30 1.6" at 30 min	2nd Close Minutes: 30 0" at 30 min
--	--	--	--







**Company: Palomino Petroleum, Inc.**  
**Lease: Maslo #1**

County: NESS  
 State: Kansas  
 Drilling Contractor: WW Drilling, LLC - Rig 8  
 Elevation: 2500 GL  
 Field Name: Stutz East  
 Pool: Pool Ext.  
 Job Number: 134

**DATE**  
 March  
**21**  
 2018

**DST #1**      **Formation: Mississippi**      **Test Interval: 4485 - 4496'**      **Total Depth: 4496'**  
 Time On: 22:13 03/21      Time Off: 04:54 03/22  
 Time On Bottom: 00:37 03/22      Time Off Bottom: 02:37 03/22

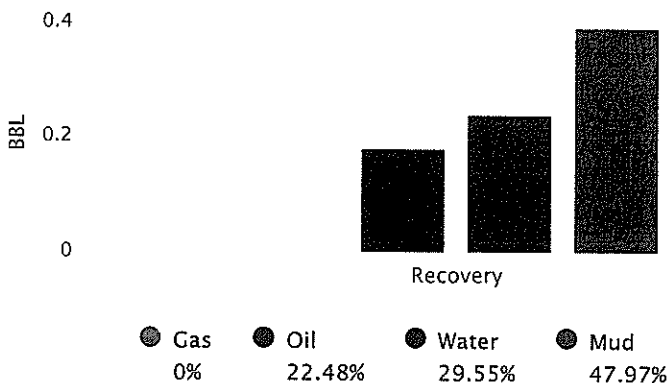
Recovered

Foot	BBS	Description of Fluid	Gas %	Oil %	Water %	Mud %
10	0.1423	O	0	100	0	0
65	0.3857148	SLOCHMCW	0	11	47	42
60	0.2952	WCM (trace oil)	0	.1	21	78.9

Total Recovered: 135 ft  
 Total Barrels Recovered: 0.8232148

Reversed Out  
 NO

**Recovery at a glance**



Initial Hydrostatic Pressure	2148	PSI
Initial Flow	9 to 41	PSI
Initial Closed in Pressure	1236	PSI
Final Flow Pressure	43 to 66	PSI
Final Closed in Pressure	1216	PSI
Final Hydrostatic Pressure	2141	PSI
Temperature	122	°F
Pressure Change Initial Close / Final Close	1.6	%





**Company: Palomino Petroleum,  
Inc.**

**Lease: Maslo #1**

SEC: 9 T1WN: 17S R1NG: 25W  
County: NESS  
State: Kansas  
Drilling Contractor: WW Drilling, LLC -  
Rig 8  
Elevation: 2500 GL  
Field Name: Stutz East  
Pool: Pool Ext.  
Job Number: 134

<b>DATE</b> March <b>21</b> 2018
---

<b>DST #1</b>	<b>Formation:</b> Mississippi	<b>Test Interval: 4485 - 4496'</b>	<b>Total Depth: 4496'</b>
	Time On: 22:13 03/21	Time Off: 04:54 03/22	
	Time On Bottom: 00:37 03/22	Time Off Bottom: 02:37 03/22	

**REMARKS:**

Initial Flow: 2 in. blow.  
Initial Shut-in: No blow back.  
Final Flow: 2 1/4 in. blow.  
Final Shut-in: No blow back.

Tool Sample: 15% oil, 40% water, 45% mud

Gravity: 36.3 @ 60 degrees F

Ph: 7.0

RW: .55 @ 69 degrees F

Chlorides: 12,000 ppm



# Company: Palomino Petroleum, Inc.

## Lease: Maslo #1

SEC. 9 T.11N. R.13 E. 23W  
 County: NESS  
 State: Kansas  
 Drilling Contractor: WW Drilling, LLC - Rig 8  
 Elevation: 2500 GL  
 Field Name: Stutz East  
 Pool: Pool Ext.  
 Job Number: 134

<b>DATE</b>
March
<b>21</b>
2018

<b>DST #1</b>	<b>Formation:</b> Mississippi	<b>Test Interval:</b> 4485 - 4496'	<b>Total Depth:</b> 4496'
	Time On: 22:13 03/21	Time Off: 04:54 03/22	
	Time On Bottom: 00:37 03/22	Time Off Bottom: 02:37 03/22	

### Down Hole Makeup

<b>Heads Up:</b> 19.26 FT	<b>Packer 1:</b> 4480 FT
<b>Drill Pipe:</b> 4353.77 FT <i>ID-3 1/2</i>	<b>Packer 2:</b> 4485 FT
<b>Weight Pipe:</b> 0 FT <i>ID-2 7/8</i>	<b>Top Recorder:</b> 4469.42 FT
<b>Collars:</b> 117.92 FT <i>ID-2 1/4</i>	<b>Bottom Recorder:</b> 4487 FT
<b>Test Tool:</b> 33.57 FT <i>ID-3 1/2-FH</i> <i>Jars</i> <i>Safety Joint</i>	<b>Well Bore Size:</b> 7 7/8
<b>Total Anchor:</b> 11	<b>Surface Choke:</b> 1"
<b>Anchor Makeup</b>	<b>Bottom Choke:</b> 5/8"
<b>Packer Sub:</b> 1 FT	
<b>Perforations: (top):</b> 0 FT <i>4 1/2-FH</i>	
<b>Change Over:</b> 0 FT	
<b>Drill Pipe: (in anchor):</b> 0 FT <i>ID-3 1/2</i>	
<b>Change Over:</b> 0 FT	
<b>Perforations: (below):</b> 10 FT <i>4 1/2-FH</i>	



**Company: Palomino Petroleum,  
Inc.**

**Lease: Maslo #1**

SEC. 9, T.17N. 17S R10E. 23W  
County: NESS  
State: Kansas  
Drilling Contractor: WW Drilling, LLC -  
Rig 8  
Elevation: 2500 GL  
Field Name: Stutz East  
Pool: Pool Ext.  
Job Number: 134

<b>DATE</b> March <b>21</b> 2018
---

<b>DST #1</b>	<b>Formation:</b> Mississippi	<b>Test Interval:</b> 4485 - 4496'	<b>Total Depth:</b> 4496'
	Time On: 22:13 03/21	Time Off: 04:54 03/22	
	Time On Bottom: 00:37 03/22	Time Off Bottom: 02:37 03/22	

**Mud Properties**

**Mud Type:** Chemical    **Weight:** 9.1    **Viscosity:** 55    **Filtrate:** 6.2    **Chlorides:** 2,800 ppm



**Company: Palomino Petroleum, Inc.**  
**Lease: Maslo #1**

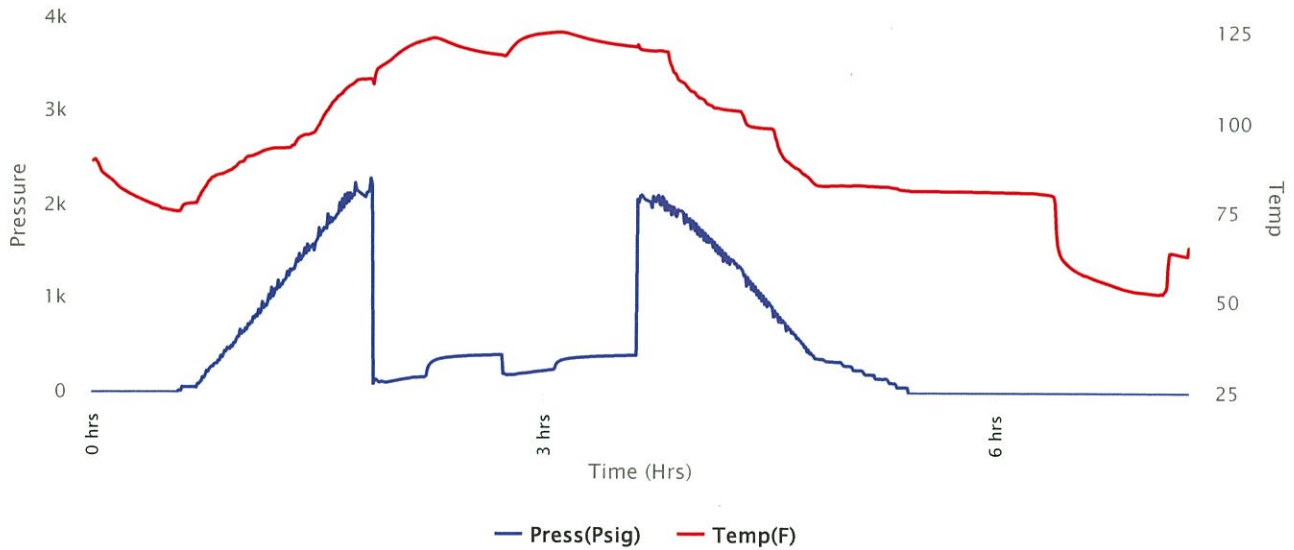
SEC: 9 TWN: 17S RNG: 25W  
 County: NESS  
 State: Kansas  
 Drilling Contractor: WW Drilling, LLC - Rig 8  
 Elevation: 2500 GL  
 Field Name: Stutz East  
 Pool: Pool Ext.  
 Job Number: 134

**DATE**  
 March  
**22**  
 2018

**DST #2**    **Formation: Ft. Scott**    **Test Interval: 4352 - 4414'**    **Total Depth: 4598'**  
 Time On: 19:57 03/22    Time Off: 03:01 03/23  
 Time On Bottom: 21:45 03/22    Time Off Bottom: 23:25 03/22

Electronic Volume Estimate:  
 N/A

<u>1st Open</u> Minutes: 20 Gauging gas" at 20 min	<u>1st Close</u> Minutes: 30 38.2" at 30 min	<u>2nd Open</u> Minutes: 20 Gauging gas" at 20 min	<u>2nd Close</u> Minutes: 30 78.2" at 30 min
--	--	--	--





**Company: Palomino Petroleum, Inc.**  
**Lease: Maslo #1**

SEC: 9 TWN: 17S RNG: 25W  
 County: NESS  
 State: Kansas  
 Drilling Contractor: WW Drilling, LLC - Rig 8  
 Elevation: 2500 GL  
 Field Name: Stutz East  
 Pool: Pool Ext.  
 Job Number: 134

**DATE**  
 March  
**22**  
 2018

DST #2    Formation: Ft. Scott    Test Interval: 4352 - 4414'    Total Depth: 4598'

Time On: 19:57 03/22    Time Off: 03:01 03/23  
 Time On Bottom: 21:45 03/22    Time Off Bottom: 23:25 03/22

Recovered

Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
3600	51.228	G	100	0	0	0
145	2.06335	SLGCO	7	93	0	0
125	1.77875	SLMCO	0	88	0	12
450	5.3056648	SLGC SLMCO	8	82	0	10

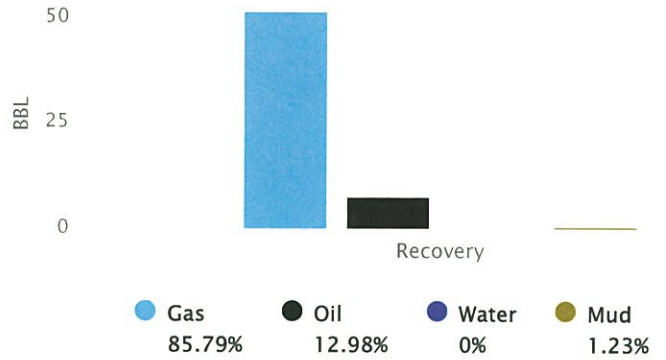
Total Recovered: 4320 ft

Total Barrels Recovered: 60.3757648

Reversed Out  
 NO

Initial Hydrostatic Pressure	2093	PSI
Initial Flow	95 to 170	PSI
<b>Initial Closed in Pressure</b>	<b>410</b>	<b>PSI</b>
Final Flow Pressure	194 to 251	PSI
<b>Final Closed in Pressure</b>	<b>406</b>	<b>PSI</b>
Final Hydrostatic Pressure	2085	PSI
Temperature	126	°F
Pressure Change Initial Close / Final Close	0.9	%

**Recovery at a glance**





**Company: Palomino Petroleum, Inc.**  
**Lease: Maslo #1**

SEC: 9 TWN: 17S RNG: 25W  
 County: NESS  
 State: Kansas  
 Drilling Contractor: WW Drilling, LLC - Rig 8  
 Elevation: 2500 GL  
 Field Name: Stutz East  
 Pool: Pool Ext.  
 Job Number: 134

<b>DATE</b>
March
<b>22</b>
2018

DST #2      Formation: Ft. Scott      Test Interval: 4352 - 4414'      Total Depth: 4598'  
 Time On: 19:57 03/22      Time Off: 03:01 03/23  
 Time On Bottom: 21:45 03/22      Time Off Bottom: 23:25 03/22

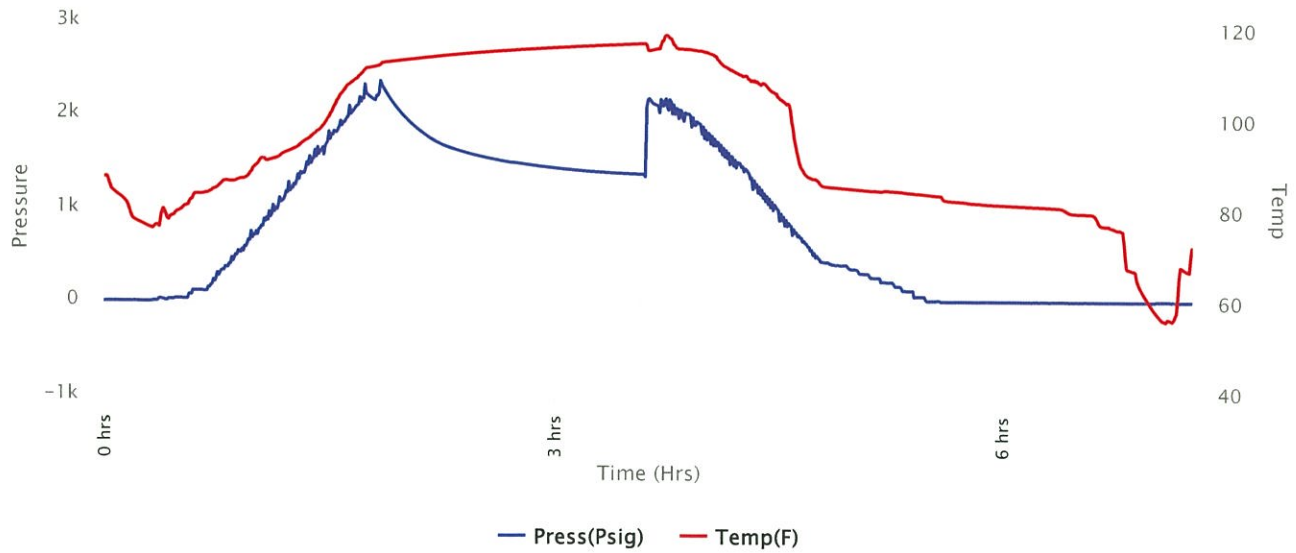
**REMARKS:**

IF: BOB 1 min  
 ISI BOB BB  
 FF: BOB Inst.  
 FSI: BOB BB

TOOL SAMPLE: BLEW OUT

Gravity: 41.8 @ 60 degrees F

Below Straddle Recorder





# Company: Palomino Petroleum, Inc.

## Lease: Maslo #1

SEC: 9 TWN: 17S RNG: 25W  
County: NESS  
State: Kansas  
Drilling Contractor: WW Drilling, LLC - Rig 8  
Elevation: 2500 GL  
Field Name: Stutz East  
Pool: Pool Ext.  
Job Number: 134

<b>DATE</b> March <b>22</b> 2018
---

**DST #2**      **Formation: Ft. Scott**      **Test Interval: 4352 - 4414'**      **Total Depth: 4598'**  
Time On: 19:57 03/22      Time Off: 03:01 03/23  
Time On Bottom: 21:45 03/22      Time Off Bottom: 23:25 03/22

### Down Hole Makeup

<b>Heads Up:</b> 27.15 FT	<b>Packer 1:</b> 4346.95 FT
<b>Drill Pipe:</b> 4228.61 FT <i>ID-3 1/2</i>	<b>Packer 2:</b> 4351.95 FT
<b>Weight Pipe:</b> 0 FT <i>ID-2 7/8</i>	<b>Packer 3:</b> 4414 FT
<b>Collars:</b> 117.92 FT <i>ID-2 1/4</i>	<b>Top Recorder:</b> 4336.37 FT
<b>Test Tool:</b> 33.57 FT <i>ID-3 1/2-FH</i> <i>Jars</i> <i>Safety Joint</i>	<b>Bottom Recorder:</b> 4389 FT
<b>Total Anchor:</b> 62.05	<b>Below Straddle Recorder:</b> 4574 FT
<u><b>Anchor Makeup</b></u>	<b>Well Bore Size:</b> 7 7/8
<b>Packer Sub:</b> 1 FT	<b>Surface Choke:</b> 1"
<b>Perforations: (top):</b> 2 FT <i>4 1/2-FH</i>	<b>Bottom Choke:</b> 5/8"
<b>Change Over:</b> .5 FT	
<b>Drill Pipe: (in anchor):</b> 32.05 FT <i>ID-3 1/2</i>	
<b>Change Over:</b> .5 FT	
<b>Perforations: (below):</b> 26 FT <i>4 1/2-FH</i>	
<u><b>STRADDLE</b></u>	
<b>Straddle Packer(s):</b> 1 FT	
<b>Change Over:</b> 1 FT	
<b>Drill Pipe:</b> 157.27 FT <i>ID-3 1/2"</i>	
<b>Change Over:</b> 1 FT	
<b>Perforations (in tail pipe):</b> 25 FT <i>4 1/2-FH</i>	





**Company: Palomino Petroleum,  
Inc.**

**Lease: Maslo #1**

SEC: 9 TWN: 17S RNG: 25W  
County: NESS  
State: Kansas  
Drilling Contractor: WW Drilling, LLC -  
Rig 8  
Elevation: 2500 GL  
Field Name: Stutz East  
Pool: Pool Ext.  
Job Number: 134

<b>DATE</b> March <b>22</b> 2018
---

**DST #2      Formation: Ft. Scott      Test Interval: 4352 -      Total Depth: 4598'**  
**4414'**

Time On: 19:57 03/22      Time Off: 03:01 03/23  
Time On Bottom: 21:45 03/22      Time Off Bottom: 23:25 03/22

**Mud Properties**

**Mud Type:** Chemical      **Weight:** 9.2      **Viscosity:** 60      **Filtrate:** 6.4      **Chlorides:** 3,000 ppm



**Company: Palomino Petroleum, Inc.**  
**Lease: Maslo #1**

SEC: 9 TWN: 17S RNG: 25W  
 County: NESS  
 State: Kansas  
 Drilling Contractor: WW Drilling, LLC - Rig 8  
 Elevation: 2500 GL  
 Field Name: Stutz East  
 Pool: Pool Ext.  
 Job Number: 134

<b>DATE</b>
March
<b>22</b>
2018

**DST #2**    **Formation: Ft. Scott**    **Test Interval: 4352 - 4414'**    **Total Depth: 4598'**

Time On: 19:57 03/22    Time Off: 03:01 03/23  
 Time On Bottom: 21:45 03/22    Time Off Bottom: 23:25 03/22

**Gas Volume Report**

Remarks: Gas to surface 15 min into Initial Flow period.

1st Open

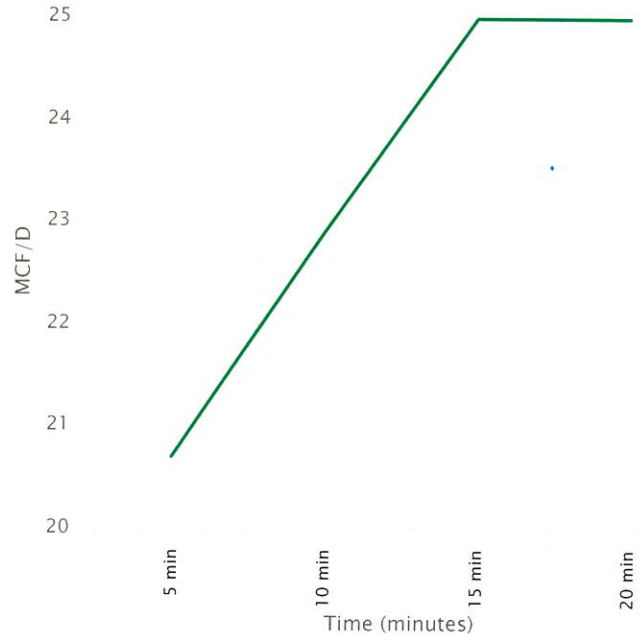
Time	Orifice	PSI	MCF/D
2p	0.50	11	121

2nd Open

Time	Orifice	PSI	MCF/D
5	0.25	5.0	20.7
10	0.25	6.0	22.9
15	0.25	7.0	25.0
20	0.25	7.0	25.0

MCF/D  
121

0 min  
Time (minutes)



Palomares Petroleum  
Maslo # 2

435' FNL & 1108' FEL  
9 175 25w  
Ness KS  
WU Drilling Rig # 8  
3114/118 3122/118  
4596' 4578'  
3600' RTD  
3600' RTD  
3600' RTD  
3600' RTD  
3450' Chemical  
15-135-25978

Anhydrite	1844 (-661)	1853 (+652)
Hoebner	3835 (-1330)	3834 (-1329)
Lansing	3874 (-1368)	3875 (-1370)
Stack	4111 (-1406)	4110 (-1405)
BIRC	4173 (-1468)	4172 (-1467)
Pawnee	4299 (-1794)	4297 (-1792)
Ft. Scott	4373 (-1869)	4370 (-1865)
Cherokee Sh	4399 (-1894)	4397 (-1892)
Mississippian	4483 (-1978)	4484 (-1979)

100 780.30

2505'

2500'

KB

852' 8 5/8" @

5 1/2"

CND, DIC,

M. CRO

100 780.30

2505'

2500'

KB

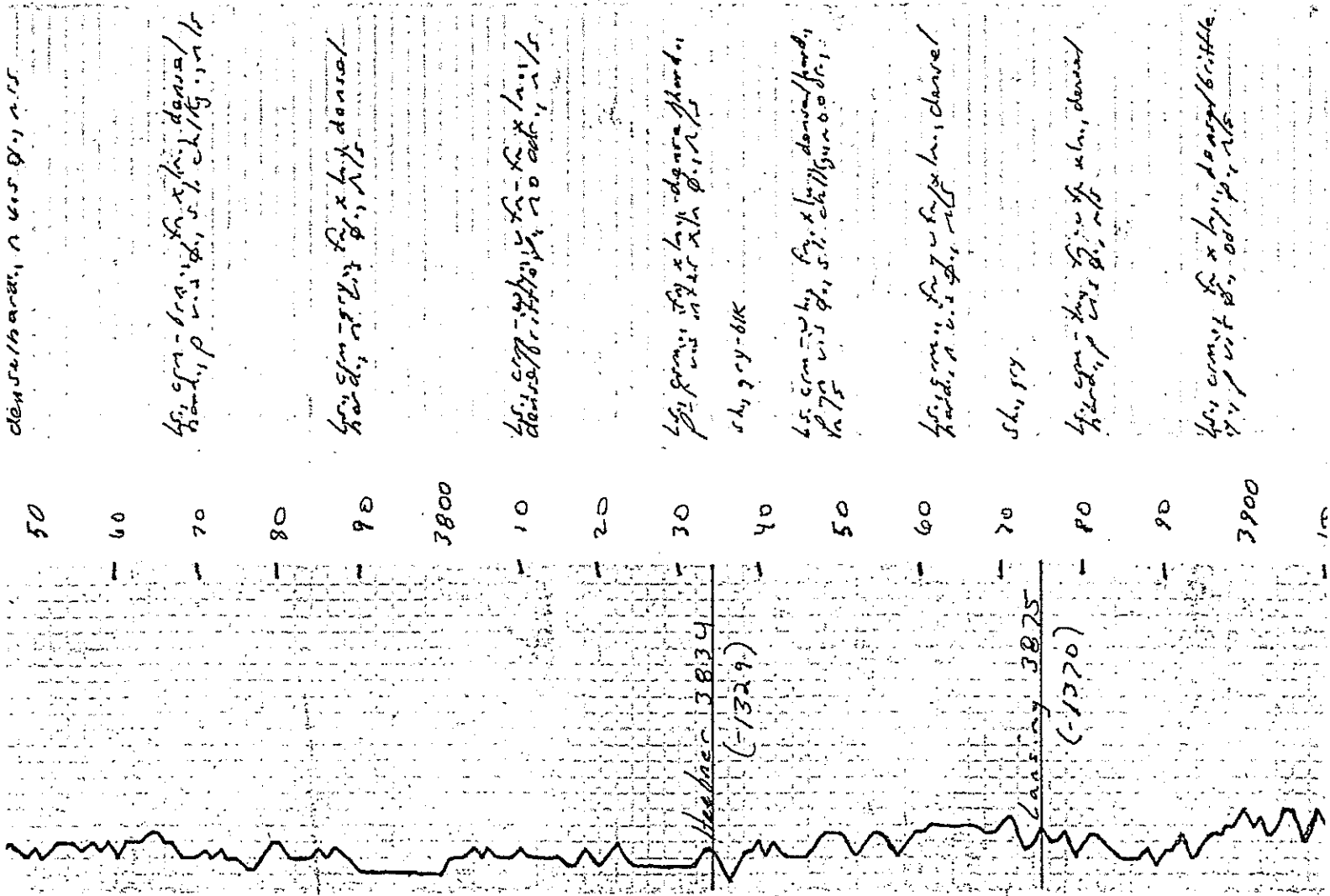
852' 8 5/8" @

5 1/2"

CND, DIC,

M. CRO





densulhara, n 6.5. 0.1 n. 1.5

4.5. 0.1 n. 6.5. 0.1 n. 1.5  
Hand, p 6.5. 0.1 n. 1.5

4.5. 0.1 n. 6.5. 0.1 n. 1.5  
Hand, p 6.5. 0.1 n. 1.5

4.5. 0.1 n. 6.5. 0.1 n. 1.5  
Hand, p 6.5. 0.1 n. 1.5

4.5. 0.1 n. 6.5. 0.1 n. 1.5  
Hand, p 6.5. 0.1 n. 1.5

Hand, p 6.5. 0.1 n. 1.5

4.5. 0.1 n. 6.5. 0.1 n. 1.5  
Hand, p 6.5. 0.1 n. 1.5

4.5. 0.1 n. 6.5. 0.1 n. 1.5  
Hand, p 6.5. 0.1 n. 1.5

Hand, p 6.5. 0.1 n. 1.5

4.5. 0.1 n. 6.5. 0.1 n. 1.5  
Hand, p 6.5. 0.1 n. 1.5

4.5. 0.1 n. 6.5. 0.1 n. 1.5  
Hand, p 6.5. 0.1 n. 1.5

3900

Heber 3834

(-1329)

Lansing 3875

(-1370)

20 Lf. crop - 1/4 lb. fr. x 1/4 lb. denser  
 hard, 1 vis. p. 1, 1/2  
 (h, v, w) color

30 Lf. crop - 1/4 lb. fr. with x 1/4 lb.  
 downy p. 1/4 lb. p. 1/2 p. 1/2  
 no. obs. 1/2

40 Lf. crop - 1/4 lb. fr. with x 1/4 lb.  
 hard, 1 vis. p. 1, 1/2

50 Lf. crop - 1/4 lb. fr. with x 1/4 lb.  
 hard, 1 vis. p. 1, 1/2

60 Lf. crop - 1/4 lb. fr. with x 1/4 lb.  
 hard, 1 vis. p. 1, 1/2

70 Sh. 1/4 - 1/2

80 Lf. crop - 1/4 lb. fr. with x 1/4 lb.  
 hard, 1 vis. p. 1, 1/2

90 Lf. crop - 1/4 lb. fr. with x 1/4 lb.  
 hard, 1 vis. p. 1, 1/2

4000 Lf. crop - 1/4 lb. fr. with x 1/4 lb.  
 hard, 1 vis. p. 1, 1/2

10 Lf. crop - 1/4 lb. fr. with x 1/4 lb.  
 hard, 1 vis. p. 1, 1/2

20 Lf. crop - 1/4 lb. fr. with x 1/4 lb.  
 hard, 1 vis. p. 1, 1/2

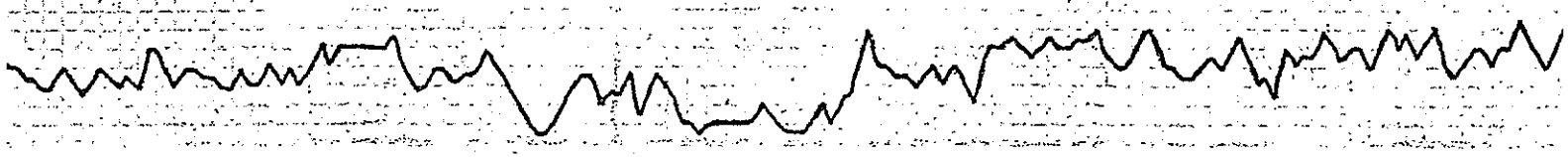
70 Shy vari. color

40 Lf. crop - 1/4 lb. fr. with x 1/4 lb.  
 hard, 1 vis. p. 1, 1/2

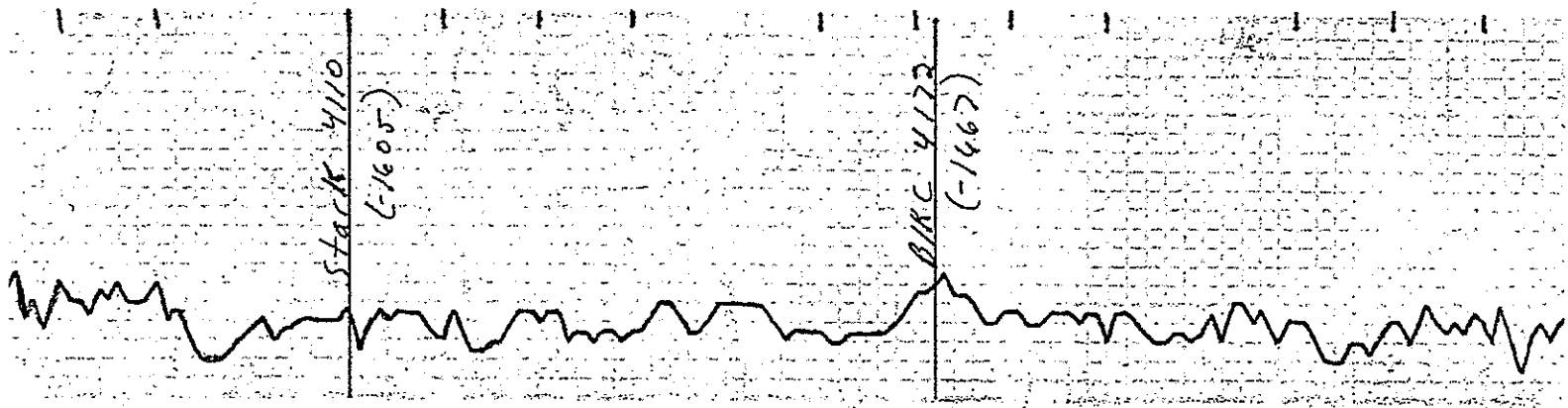
50 Lf. crop - 1/4 lb. fr. with x 1/4 lb.  
 hard, 1 vis. p. 1, 1/2

60 Sh. 1/4 - 1/2

70 Lf. crop - 1/4 lb. fr. with x 1/4 lb.  
 hard, 1 vis. p. 1, 1/2







45' grey, fine gr. ls., dense/hard,  
sh. grey

65' grey, fine gr. ls., dense/hard,  
sh. grey

sh. dk carb

45' grey - brown, fine gr. ls., dense/hard,  
sh. dk carb

65' grey - brown, fine gr. ls., dense/hard,  
sh. dk carb

sh. dk carb

45' grey - brown, fine gr. ls., dense/hard,  
sh. dk carb

45' grey - brown, fine gr. ls., dense/hard,  
sh. dk carb

sh. var. color

45' grey - brown, fine gr. ls., dense/hard,  
sh. dk carb

sh. grey - dk

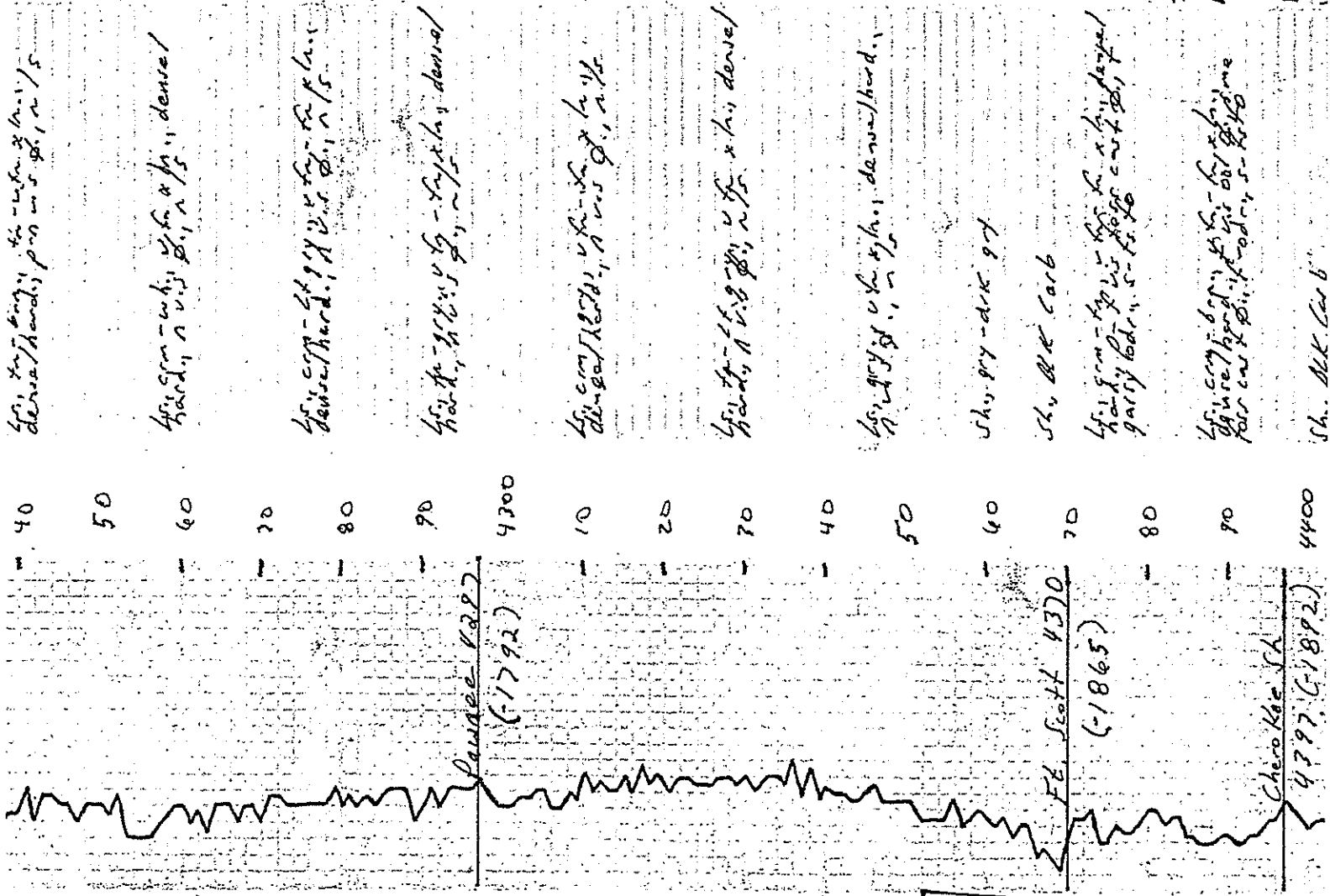
45' grey - brown, fine gr. ls., dense/hard,  
sh. dk carb

sh. var. color

45' grey - brown, fine gr. ls., dense/hard,  
sh. dk carb

sh. grey - dk

Mud ✓ @ 4129'  
 wt. - 9.0  
 vis - 5.5  
 WL - 6.0  
 CHL - 2,500  
 CCM - 2#



40  
50  
60  
70  
80  
90  
4300  
10  
20  
30  
40  
50  
60  
70  
80  
90  
4400

40-50 - dense, wh. s. & sh. 1/5, dense  
50-60 - dense, wh. s. & sh. 1/5, dense  
60-70 - dense, wh. s. & sh. 1/5, dense  
70-80 - dense, wh. s. & sh. 1/5, dense  
80-90 - dense, wh. s. & sh. 1/5, dense  
90-1000 - dense, wh. s. & sh. 1/5, dense  
1000-1100 - dense, wh. s. & sh. 1/5, dense  
1100-1200 - dense, wh. s. & sh. 1/5, dense  
1200-1300 - dense, wh. s. & sh. 1/5, dense  
1300-1400 - dense, wh. s. & sh. 1/5, dense  
1400-1500 - dense, wh. s. & sh. 1/5, dense  
1500-1600 - dense, wh. s. & sh. 1/5, dense  
1600-1700 - dense, wh. s. & sh. 1/5, dense  
1700-1800 - dense, wh. s. & sh. 1/5, dense  
1800-1900 - dense, wh. s. & sh. 1/5, dense  
1900-2000 - dense, wh. s. & sh. 1/5, dense  
2000-2100 - dense, wh. s. & sh. 1/5, dense  
2100-2200 - dense, wh. s. & sh. 1/5, dense  
2200-2300 - dense, wh. s. & sh. 1/5, dense  
2300-2400 - dense, wh. s. & sh. 1/5, dense  
2400-2500 - dense, wh. s. & sh. 1/5, dense  
2500-2600 - dense, wh. s. & sh. 1/5, dense  
2600-2700 - dense, wh. s. & sh. 1/5, dense  
2700-2800 - dense, wh. s. & sh. 1/5, dense  
2800-2900 - dense, wh. s. & sh. 1/5, dense  
2900-3000 - dense, wh. s. & sh. 1/5, dense  
3000-3100 - dense, wh. s. & sh. 1/5, dense  
3100-3200 - dense, wh. s. & sh. 1/5, dense  
3200-3300 - dense, wh. s. & sh. 1/5, dense  
3300-3400 - dense, wh. s. & sh. 1/5, dense  
3400-3500 - dense, wh. s. & sh. 1/5, dense  
3500-3600 - dense, wh. s. & sh. 1/5, dense  
3600-3700 - dense, wh. s. & sh. 1/5, dense  
3700-3800 - dense, wh. s. & sh. 1/5, dense  
3800-3900 - dense, wh. s. & sh. 1/5, dense  
3900-4000 - dense, wh. s. & sh. 1/5, dense  
4000-4100 - dense, wh. s. & sh. 1/5, dense  
4100-4200 - dense, wh. s. & sh. 1/5, dense  
4200-4300 - dense, wh. s. & sh. 1/5, dense  
4300-4400 - dense, wh. s. & sh. 1/5, dense

Lawrence 4387 (-1792)  
FE Scott 4370 (-1865)  
Cherokeo SA 4397 (-1892)

Bit tip @ 4338'

FF-Inst 75F-6TS  
145' go (770g, 93700)  
125' smcs (88700, 129000)

700 ym 50 (8107, 82700, 10700m)  
 110-2072# 2084#  
 FFP-95# 120# FFP-174# 251#  
 #5 FFP-409# FFP-405#

Shiny gray - blk.  
 blk. comp. - in. dr. sp. x h. x l. dense  
 p. - p. odr., white

- 10  
 - 20

Sh. AA  
 blk. comp. - in. dr. sp. x h. x l. dense  
 p. - p. odr., white

- 30

Sh. AA  
 blk. comp. - in. dr. sp. x h. x l. dense  
 p. - p. odr., white

- 40  
 - 50

Sh. gray - blk. comp. - in. dr. sp. x h. x l. dense  
 p. - p. odr., white

- 60

Sh. AA  
 blk. comp. - in. dr. sp. x h. x l. dense  
 p. - p. odr., white

- 70

Sh. AA  
 blk. comp. - in. dr. sp. x h. x l. dense  
 p. - p. odr., white

- 80

blk. comp. - in. dr. sp. x h. x l. dense  
 p. - p. odr., white

- 90  
 4500

blk. comp. - in. dr. sp. x h. x l. dense  
 p. - p. odr., white

- 10  
 - 20

blk. comp. - in. dr. sp. x h. x l. dense  
 p. - p. odr., white

- 30  
 - 40

blk. comp. - in. dr. sp. x h. x l. dense  
 p. - p. odr., white

- 50

blk. comp. - in. dr. sp. x h. x l. dense  
 p. - p. odr., white

- 60

DST # 7 4485-4496'  
 20-30-30-30  
 Rac. 135' TF  
 TF-2"  
 FF-1 1/2" N. Return  
 10' 60 (100700)  
 65' 50cmw (11700, 47200, 42700m)  
 60' 30cm (21900, 21990m)  
 110-2148#-2141#  
 FFP-9#-41# FFP-43#-66#  
 FFP-1-1236# FFP-1216#

