KOLAR Document ID: 1431204

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 #	API No.:
Name:	Spot Description:
Address 1:	
Address 2:	Feet from North / South Line of Section
City: State: Zip: +	Feet from _ East / _ West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	□NE □NW □SE □SW
CONTRACTOR: License #	GPS Location: Lat:, Long:
Name:	(e.g. xx.xxxxx) (e.gxxx.xxxxx)
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84
Purchaser:	County:
Designate Type of Completion:	Lease Name: Well #:
New Well Re-Entry Workover	Field Name:
	Producing Formation:
☐ Oil ☐ WSW ☐ SWD	Elevation: Ground: Kelly Bushing:
☐ Gas ☐ DH ☐ EOR	Total Vertical Depth: Plug Back Total Depth:
☐ OG ☐ GSW	Amount of Surface Pipe Set and Cemented at: Feet
CM (Coal Bed Methane)	
Cathodic Other (Core, Expl., etc.):	Multiple Stage Cementing Collar Used?
If Workover/Re-entry: Old Well Info as follows:	If yes, show depth set: Feet
Operator:	If Alternate II completion, cement circulated from:
Well Name:	feet depth to:w/sx cmt.
Original Comp. Date: Original Total Depth:	
☐ Deepening ☐ Re-perf. ☐ Conv. to EOR ☐ Conv. to SWD	Drilling Fluid Management Plan
☐ Plug Back ☐ Liner ☐ Conv. to GSW ☐ Conv. to Producer	(Data must be collected from the Reserve Pit)
Described	Chloride content: ppm Fluid volume: bbls
☐ Commingled Permit #:	Dewatering method used:
SWD Permit #:	Location of fluid disposal if hauled offsite:
EOR Permit #:	Location of fluid disposal if flauled offsite.
GSW Permit #:	Operator Name:
	Lease Name: License #:
Spud Date or Date Reached TD Completion Date or	Quarter Sec TwpS. R
Recompletion Date Recompletion Date	County: Permit #:

AFFIDAVIT

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

Submitted Electronically

KCC Office Use ONLY
Confidentiality Requested
Date:
Confidential Release Date:
Wireline Log Received Drill Stem Tests Received
Geologist Report / Mud Logs Received
UIC Distribution
ALT I II Approved by: Date:

KOLAR Document ID: 1431204

Page Two

Operator Name: _				Lease Name:			Well #:			
Sec Twp.	S. R.	E	ast West	County:						
	flowing and shu	ut-in pressures, v	vhether shut-in pre	ssure reached st	atic level, hydrosta	tic pressures, bot		val tested, time tool erature, fluid recovery,		
Final Radioactivity files must be subm						iled to kcc-well-lo	gs@kcc.ks.gov	v. Digital electronic log		
Drill Stem Tests Ta			Yes No			on (Top), Depth ar		Sample		
Samples Sent to 0	Geological Surv	/ey	Yes No	Na	me		Тор	Datum		
Cores Taken Electric Log Run Geologist Report / List All E. Logs Ru	_		Yes No Yes No Yes No							
		B	CASING eport all strings set-c		New Used	ion, etc.				
Purpose of Strir		Hole illed	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives		
			ADDITIONAL	CEMENTING / SO	UEEZE RECORD					
Purpose:		epth T Bottom	ype of Cement	# Sacks Used	ed Type and Percent Additives					
Perforate Protect Casi Plug Back T										
Plug Off Zor										
Did you perform a Does the volume Was the hydraulic	of the total base f	fluid of the hydrauli		_	=	No (If No, sk	ip questions 2 an ip question 3) out Page Three	,		
Date of first Product Injection:	tion/Injection or R	esumed Production	Producing Meth	nod:	Gas Lift 0	Other (Explain)				
Estimated Production Per 24 Hours	on	Oil Bbls.					Gas-Oil Ratio	Gravity		
DISPOS	SITION OF GAS:		N	METHOD OF COMP	LETION:			DN INTERVAL: Bottom		
	Sold Used	I on Lease	Open Hole			mmingled mit ACO-4)	Тор	BOROTT		
,	,			B.11 B1						
Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid,	Fracture, Shot, Cer (Amount and Kind	menting Squeeze I of Material Used)	Record		
TUBING RECORD:	: Size:	Set	Δ+-	Packer At:						
TODING RECORD:	. 3126.		n.	i donei Al.						

Form	ACO1 - Well Completion
Operator	Palomino Petroleum, Inc.
Well Name	HAGANS "14" 3
Doc ID	1431204

All Electric Logs Run

Dual Induction
Dual Receiver Cement Bond
Dual Comp Porosity
Micro

Form	ACO1 - Well Completion
Operator	Palomino Petroleum, Inc.
Well Name	HAGANS "14" 3
Doc ID	1431204

Tops

Name	Тор	Datum
Anhy.	1984	(+ 585)
Base Anhy.	2016	(+ 553)
Heebner	3843	(-1274)
Lansing	3886	(-1317)
ВКС	4183	(-1614)
Marmaton	4230	(-1661)
Pawnee	4320	(-1751)
Ft. Scott	4383	(-1814)
Cherokee Sh.	4408	(-1839)
Miss.	4471	(-1902)
LTD	4608	(-2039)

Form	ACO1 - Well Completion					
Operator	Palomino Petroleum, Inc.					
Well Name	HAGANS "14" 3					
Doc ID	1431204					

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Type and Percent Additives
Surface	12.250	8.625	23	215	Common	2% gel. 3% c.c
Production	7.875	5.500	14	4610	SMD/ EA- 2	2% gel. 3% c.c



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



Invoice

DATE	INVOICE#	
9/25/2018	31734	

BILL TO	
Palomino Petroleum Inc. 4924 S E 84th Street Newton, KS 67114-8827	DCT 0 1 2018

- Acidizing
- Cement
- Tool Rental

TERMS	Well N	o. Lease	Э	County	Contractor	We	II Type	We	ell Category	Job Purpos	е	Operator
Net 30	#3	Hagans "	14"	Ness	Express Well		Oil	il Development		Cement Port Co	Cement Port Collar	
PRICE REF. DESCRIPTION					QTY		UM	UNIT PRICE	<u> </u>	AMOUNT		
575D 576D-D 330 276 104 581D 583D		Mileage - 1 Way Pump Charge - Deep Surface (> 500 Ft.) & Port Collars Swift Multi-Density Standard (MIDCON II) Flocele Port Collar Tool Rental Service Charge Cement Drayage Subtotal Sales Tax Ness County						1 150 50 1 225	Job Sacks Lb(s) Each Sacks	5.00 1,300.00 16.25 2.50 200.00 1.75 0.85		150.00 1,300.00 2,437.50T 125.00T 200.00T 393.75 285.47 4,891.72 179.56
We Ap	We Appreciate Your Business!								Total		***************************************	\$5,071.28



SERVICE LOCATIONS

REFERRAL LOCATION

CHARGE TO:	Delamino	Dot rolown
ADDRESS	•	The state of the s

TICKET 031734

5 INVOICE INSTRUCTIONS TICKET TYPE

SERVICE

SALES WELL/PROJECT NO 2 WELL TYPE CONTRACTOR CITY, STATE, ZIP CODE LEASE 方はあるべん 14" COUNTY/PARISH COMPATIBLE COVER RIG NAME/NO. Sylphone SHIPPED K K K CITY DELIVERED TO WELL PERMIT NO 15 sep 18 WELL LOCATION ORDER NO PAGE OWNER 유 H

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THE STATE OF THE S		583	185	491	276	330	09760	575	FEHENCE	PRICE	
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			_			_			8	Ą	
									LOC ACCT DF	ACCOUNTING	
	. 00	Dayage	Service charge	Port Collen Opening tral Routal	Hocele	NIE COMP	Thing Charge PORT COUNTR	MILEAGE TRX 114		DESCRIPTION	Management to the state of the
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-		335,851 M		52 m					QTY. JU/M		
		0 85	1 75	200 100	2 50	16,25	130000	5 00	PRICE	UNIT	
		265 47	1 75 393 75	200100	2 50 125 00	243750	1300 00	150 00	AMOON		

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

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO

START OF WORK OR DELIVERY OF GOODS

DAȚE SIGNED TIME SIGNED

REMIT PAYMENT TO:

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?

SURVEY

AGREE

UNDECIDED

DISAGREE

PAGE TOTAL

4891172

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

ARE YOU SATISFIED WITH OUR SERVICE?

YES WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS OUR SERVICE WAS PERFORMED WITHOUT DELAY? WE UNDERSTOOD AND MET YOUR NEEDS? SATISFACTORILY? □ ã

900 P

TOTAL

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

☐ CUSTOMER DID NOT WISH TO RESPOND

APPROVAL

P.M.

SWIFT OPERATOR

Ihank You!

JOB LC				and the same of th			ices. Inc. DATE PAGE NO. 25 Sep 18
CUSTOM	entro Pol	roleum	WELL NO.		LEASE PRESS	eas "1	1000. Inc. 25 Sqo 18 1 Job Type port collect Ticket No. 31734
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS T C	PRESS TUBING	URE (PSI) CASING	DESCRIPTION OF OPERATION AND MATERIALS
	······						2255k SND anut w/4# flocale
	···						225 52 partiolles 27551
	1400				4.55		onle Mek 114
***************************************	1554				1000	1000	test to 1000 ps; - held
	160,2	32	2		120		injorate, 3 ppm @ 100 psi
	1605	32			100		mix SMD count @ 11.2 ppg — core to supre -
***************************************		35	4		100		-circ to supre -
		3	80		35		
			100		الكروب		- comment to songers.
	****	3	10.5		380		Displace 11/2 bbl HzD
							close port coller
Arrive .					heo	1000	lest to 1000 psi - held
***************************************	1638						Run 4 joints
	1670						KUN F JOINTS
	1645						Reverse holo cloon
			22				Reverse hole clean -2 comment plags -
W-10-00-			******				V V
	1655						unil-teuck
	***************************************						Rack up
					***********		3
							Job Conflete
	1715						21112
					***		7 642
							Blanc, Alint, & issae



P. O. Box 466

Ness City, KS 67560

Off: 785-798-2300



Invoice

DATE	INVOICE#
9/18/2018	31730

BILL TO

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

- Acidizing
- Cement
- Tool Rental

TERMS	Well N	lo. Lease	County	Contractor	We	II Type	W	ell Category	Job Purpose	Operator
Net 30	#3	Hagens "14"	Ness	WW Rig #2		Oil	D	evelopment	Cement Long St	r Blaine
PRICE	REF.		DESCRIPT	ION		QTY	′	UM	UNIT PRICE	AMOUNT
575D 578D-L 403-5 404-5 406-5 407-5 409-5 419-5 330 325 284 283 285 276 281 221 290 581D 583D		Mileage - 1 Way Pump Charge - Long 5 1/2" Cement Baske 5 1/2" Port Collar 5 1/2" Latch Down P 5 1/2" Insert Float SI 5 1/2" Turbolizer 5 1/2" Rotating Head Swift Multi-Density Standard Cement Calseal Salt CFR-1 Flocele Mud Flush Liquid KCL (Clayfix D-Air Service Charge Ceme Drayage Subtotal Sales Tax Ness Coun	et Flug & Baffle noe With Auto Rental Standard (MID)			34	1 1 1 1 10 1 125 100 5	Each Sacks Sacks Sack(s) Lb(s) Lb(s) Lb(s) Gallon(s) Gallon(s) Gallon(s) Sacks	5.00 1,300.00 275.00 2,500.00 250.00 325.00 85.00 200.00 16.25 13.00 35.00 0.20 4.50 2.50 1.50 25.00 42.00 1.75 0.85	150.00 1,300.00 275.007 2,500.007 250.007 325.007 850.007 200.007 175.007 100.007 225.007 125.007 750.007 100.007 393.75 292.15 11,426.15 603.87

We Appreciate Your Business!

Total

\$12,030.02



_	
	CHARGE TO: Yalking to tribly in
	ADDRESS
	THE PLANT THE PL
	CITY STATE 7ID CODE

TICKET 031730

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.	A.M. 785-798-2300 CUSTOMER DID NOT WISH TO RESPOND	P.O. BOX 466 WESS CITY, KS 67560 WESS CITY, KS 67560	LIMITED WARRANTY provisions. SWIFT SERVICES, INC. OUR SERVICE WAS PERFORMED WITHOUT DELAY? J. J. J.	REMIT PAYMENT TO: OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN? WITHOUT BREAKDOWN? WITHOUT BREAKDOWN?		419 Rotating head rental 52 in 1/en 200	1 TURBOLIZER 55 = 10 lea	1 00	im / Ca	W / la 25%	1 Cerreit Basket 52 in 1 29		PART NUMBER LOC ACCT DF DESCRIPTION QTY. U/M QTY. U/M QTY. U/M	ALION	DONE CONNECT CONSTRUCT ON STATES WELL PERMIT NO.	CE CONTRACTOR WWW PIG NAMENO. SHIPPED DELIVERED TO	HOLDER TOWN LETT AS LEASE THE COUNTY/PARISH STATE CITY LACTOR TOWN AND LEASE COUNTY AND LEASE	inc.
s listed on this ticket.	" TOTAL 13030102	18,501 103,87	11,426/5	DISAGREE PAGE TOTAL 5650 65		200 00 208 00	8500	32500	350 00	2500 m	375 00 3750	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	UNIT AMOUN	TO THE PROPERTY OF THE PROPERT	WELL LOCATION	ORDER N.O.	DATE /8 Sep 18 OWNER	1 2

SWIFT OPERATOR

APPROVAL

Thank You!

TOKET CONTINUATION

	TICKET NO.
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								************															_		ACCOUNTING LOC ACCT DF	Ness City, KS 67560 Off: 785-798-2300	PO Box 466
	CHARGE TOTAL WEIGHT, OND LOADED MILES	SERVICE CHARGE 225														D'ALD C	大のことをは	mudflosh	Flocale.	CFだー1	salt	Calseal	Standard count (for EA-2)	SMD coment	TIME	CUSTOMER POLICIENT	2
CON	1CEPTERSON	CUBIC FEET					*****									Zon	400	50 (ga)	0 lb	50 16	9/1 005	500116 5168	2) 100 SK	125/54	MIN GTY UM	MEDI MEDINA THE #3	TOTAL DELICATION OF THE PROPERTY OF THE PROPER
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JOB I	, DG				SWIF	T Seru	ices. Inc. DATE PAGE NO. 1
CUSTO	alanino.		WELL NO.	* 3	LEASE,		
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS T C	PRESSU TUBING	RE (PSI) CASING	DESCRIPTION OF OPERATION AND MATERIALS
		······		,	TOBING	CAGING	1255k SWeent w/ 7 + Florell
							100 sk EA-2 count w/4 flocale 52" x14# casing) TD = 4612 10gts - 4612'
							52" x14" casing TD = 4612 10gts - 4612"
					******		Controlizoes 1,35,7911, 13,15,7,62 Baskert #63
							Poet Collee #63 1955'
	2300				· · · · · · · · · · · · · · · · · · ·	7	onloctekligh
SQVA	6110						Start 5 × 14 casing in well Doop ball - circulate - ROTATE Paup 500/11 michtlush - 20 bbl XCL flush Plug RH 3050
	0330					·	Doop ball - Circulate - ROTATE
	0415			****			Paup sorgal michtlush - 20 bbl XCL flush
			5				Ply RH 309
***************************************	0430	4	40			100	IN \ SMA a & G55 @ 127 and
***************************************	0 00	4	24			100	M/X SMD cewent 955 @ 12.27 ppg M/X EA-Z cerunt 1005 @ 15.3 ppg
							Doop latch down plug
	0450						alash and pup 5. I'me
	0:1-11	1					
	0457	<u> </u>				200	Displace Plug
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***************************************	0520			*****		*****	wash up truck
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	060						ido carplete
***************************************							Halls
							Valls
							Blane Still & years
		······					
	<u> </u>						



REMIT TO

MAIN OFFICE

QES Pressure Pumping LLC Dept:970 P.O.Box 4346 Houston, TX 77210-4346

P.O.Box884 Chanute, KS 66720 620/431-9210,1-800/467-8676 Fax 620/431-0012

Invoice

Invoice#

814128

Invoice Date: 09/19/18

Terms:

Net 30

Page

Total:

4,926.75

PALOMINO PETROLEUM, INC.

4924 SE 84TH STREET NEWTON KS 67114-8827 RECEIVED

CED 22 2040

HAGEN 14 #3

USA	SEP 22 20	18			
==========					
Part No	Description	Quantity	Unit Price Di	scount(%)	Total
CE0471	Cement Pump Charge 301' - 500' (Coalbed/Methane)	1.000	1,150.0000	25.000	862.50
CE0002	Equipment Mileage Charge - Heavy Equipment	40.000	7.1500	25.000	214.50
CE0711	Minimum Cement Delivery Charge	1.000	660.0000	25.000	495.00
CC5871	Surface Blend II, 2% Gel/3% CaCl	175.000	24.0000	25.000	3,150.00
			S	ubtotal	6,296.00
			Discounted A	mount	1,574.00
			SubTotal After Di	scount	4,722.00
=======================================	:======================================	==========	Amount Due	6,569.00 If paid	l after 10/19/18
				Tax:	204.75



PRESSURE PUMPING LLC
PO Box 884, Chanute, KS 66720

11991

TICKET NUMBER 55259

LOCATION Dalla VS

FOREMAN Dalla VS

FIELD TICKET & TREATMENT REPORT

Invoici#814128

POWNTM WENTER SPICODE STATE SPICODE SURRY WEIGHT 15.72 SURRY	620-431-921	10 or 800-467-8676		CEMEN	IT	MAGI	WH817	120
COUNT CODE QUANTY OF UNITS DESCRIPTION OF SERVICES OF PRODUCT UNIT PRICE TOTAL COOP QUANTY OF UNITS DESCRIPTION OF SERVICES OF PRODUCT UNIT PRICE TOTAL COOP QUANTY OF UNITS DESCRIPTION OF SERVICES OF PRODUCT UNIT PRICE TOTAL COOP QUANTY OF UNITS DESCRIPTION OF SERVICES OF PRODUCT UNIT PRICE TOTAL COOP QUANTY OF UNITS DESCRIPTION OF SERVICES OF PRODUCT UNIT PRICE TOTAL COOP QUANTY OF UNITS DESCRIPTION OF SERVICES OF PRODUCT UNIT PRICE TOTAL COOP QUANTY OF UNITS DESCRIPTION OF SERVICES OF PRODUCT UNIT PRICE TOTAL COOP QUANTY OF UNITS DESCRIPTION OF SERVICES OF PRODUCT UNIT PRICE TOTAL COOP QUANTY OF UNITS DESCRIPTION OF SERVICES OF PRODUCT UNIT PRICE TOTAL COOP QUANTY OF UNITS DESCRIPTION OF SERVICES OF PRODUCT UNIT PRICE TOTAL COOP QUANTY OF UNITS DESCRIPTION OF SERVICES OF PRODUCT UNIT PRICE TOTAL COOP QUANTY OF UNITS DESCRIPTION OF SERVICES OF PRODUCT UNIT PRICE TOTAL COOP QUANTY OF UNITS DESCRIPTION OF SERVICES OF PRODUCT UNIT PRICE TOTAL COOP QUANTY OF UNITS DESCRIPTION OF SERVICES OF PRODUCT UNIT PRICE TOTAL COOP QUANTY OF UNITS DESCRIPTION OF SERVICES OF PRODUCT UNIT PRICE TOTAL COOP QUANTY OF UNITS DESCRIPTION OF SERVICES OF PRODUCT UNIT PRICE TOTAL COOP QUANTY OF UNITS DESCRIPTION OF SERVICES OF PRODUCT UNIT PRICE TOTAL COOP QUANTY OF UNITS DESCRIPTION OF SERVICES OF PRODUCT UNIT PRICE TOTAL COOP QUANTY OF UNITS DESCRIPTION OF SERVICES OF PRODUCT UNIT PRICE TOTAL COOP QUANTY OF UNITS DESCRIPTION OF SERVICES OF PRODUCT UNIT PRICE TOTAL COOP QUANTY OF UNITS DESCRIPTION OF SERVICES OF PRODUCT UNIT PRICE TOTAL COOP QUANTY OF UNITS DESCRIPTION OF SERVICES OF PRODUCT UNIT PRICE TOTAL COOP QUANTY OF UNITS DESCRIPTION OF SERVICES OF PRODUCT UNIT PRICE TOTAL COOP QUANTY OF UNITS DESCRIPTION OF SERVICES OF PRODUCT UNIT PRICE TOTAL COOP QUANTY OF UNITS DESCRIPTION OF SERVICES OF PRODUCT UNIT PRICE TOTAL COOP QUANTY OF UNITS DESCRIPTION OF SERVICES OF PRODUCT UNIT PRICE TOTAL COOP QUANTY OF UNITS DESCRIPTION OF SERVICES OF TOTAL COOP QUANTY OF UNITS DESCRIPTION OF SERVICES OF TOTAL COOP QUANTY OF UNITS DESCRIPTION O	DATE		WELL NAME & NU	JMBER	SECTION	TOWNSHIP	RANGE	COUNTY
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I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.

TERMS AND CONDITIONS

ATTENTION: THESE TERMS AND CONDITIONS CONTAIN INDEMNITY PROVISIONS FOR DAMAGE TO PERSONS AND PROPERTY.

All Services or Products provided by QES Pressure Pumping LLC (f/k/a Consolidated Oil Well Services LLC) are subject to these Terms and Conditions unless superseded by a Master Service Agreement signed by the parties. In the event Customer does not accept these Terms and Conditions as written, Customer must request a Master Service Agreement from QES' Contracts Administration Department at msa@gesip.com.

The operations, services, supplies, materials, personnel or goods to be provided ("Services" or "Products" as applicable) by QES Pressure Pumping LLC ("QES") will be provided to you as customer ("Customer") in accordance with the following terms and conditions ("Agreement"). QES and Customer may be

- 1. <u>Price and Taxes</u>. Customer with pay QES for the Services or Products in accordance with QES' quoted price which exclude applicable taxes or process license fees. Customer shall pay all applicable taxes and process license fees related to the Services and/or Products. QES' prices are subject to change
- 2. Terms of Payment. Customer will pay QES cash in advance for Services and Products unless QES has approved credit prior to the performance of the Services and/or delivery of the Products. Credit terms for approved accounts require full payment of the invoiced amount within 30 days from the date of invoice. All invoices not paid within 30 days will be charged an interest rate of 1½% per month or the maximum rate allowed under applicable state law, whichever is higher. Customer will be responsible for any fees incurred by QES in the collection of any amounts owed to QES including but not limited to attorney's fees collected to the collection of any amounts owed to QES including but not limited to attorney's fees and/or collection fee costs.
- 3. <u>Proof of Services or Delivery of Products</u>. CES will furnish verification of proof of Services performed and Product delivered to Customer's representative at the time of performance of the Services or Product delivery. Customer agrees to sign and return such verification indicating Customer's acceptance of the
- 4. <u>Définery or Completion</u>. All liability and responsibility of QES ceases when (1) Products are delivered to the Customer by QES and no longer in the care, custody and control of QES or (2) when the carrier receives the Products and/or shipment. QES will not be responsible for loss or desnage to Products transit or for delays of carriers in delivering goods, in case of shortage, non-conformance, or apparent damage, it is the Customer's responsibility to secure written acknowledgement from the carrier before Customer accepts delivery. Additionally, QES will not be fable for any damage for delays in defivery or completion due to a Force Majeure (as defined below), acts or omissions of the Customer, third party material or manufacturing delays, impossibility or impracticability of performance or any other cause or causes beyond the comptol of QES. In the event of a delay caused by the aforesald, the delivery or completion date will be extended for a period equal to any such delay, and the purchase or service will not be void or volidable as a result thereof. not be void or voidable as a result thereof.
- 5. Well or Service Site Conditions. Customer, having custody and control of the well end/or service site, and having superior knowledge of the same and the conditions surrounding them, warrant that the well and/or service site will be in proper condition to receive and accommodate Services and Products. Upon CES' request. Customer will provide documentation to verily that the well or service sits is adequate to support the Services and the delivery of Products. Customer also warrants that CES' personnel equipment will be able to safely access the well-and service site and that any special equipment or road improvements required for such access will be the responsibility of Customer, unless otherwise agreed
- 6. <u>Chamical Handling and Hazardous Materials</u>. Customer agrees that for any waste created as part of the Services, Customer will be considered the "generator" for purposes of any applicable taws or regulations perteining to the transportation, storage and handling of chemicals and hazardous materials.
- 7. <u>Data, Data Transmission and Storage.</u> QES does not warrant or guarantee the accuracy of any research analysis, survey, or other data generated for the Services. QES is not responsible for any accidental or intentional interception of such data by third parties and it is the responsibly of the Customer to safeguard such data against loss including any need to secure digital or paper copies for,

- 8. WARRANTIES LIMITATION OF LIABILITY.

 a) QES warrants that the Services and Products will: (i) be free from defects in materials and workmanship; (ii) be performed in a good and workmanship manner, in accordance with good oillield servicing practices; and (iii) conform to the plans, specifications and technical information provided in writing by Customer until the Services or Products are accepted by Customer or QES' contractual obligations are much in the event that Customer discovers a defect in the Services or Products within the warranty period specified above, Customer discovers a defect in the services or Products within the warranty period specified above, Customer will notify QES of such defect. In the event that CES confirms that the Services or Products are defective, QES's flability and Customer's exclusive remedy in any cause of action (whether in ton, contract, breach of warranty or otherwise) artsing out of the safe or use of any Services or Products upon their return to QES. The contract of warranty or the first price paid by Customer for the defective segment of the Services or Products upon their return to QES, in the case of products or parts, not wholly of QES' manufacture, QES' liability will be limited to the extent of its recovery from the nanufacture of such products or parts, under the liability to QES. QES will not be liable for any demages, claims, losses or expenses of Customer resulting from such defects or for damages resulting from datays, loss of use, or other direct, Indirect, Incidental, punitive or consequential damages of any kind. QES will not be responsible for; (i) failures of Services that have been in any way tampered with or altered by not be responsible for; (i) failures of Services that have been in any way tampered with or altered by anyone other than an authorized representative of QES; (ii) failures due to lack of compliance with recommended maintenance procedures; and (iii) products requiring replacement due to normal wear and
- b) EXCEPT FOR THE WARRANTIES EXPRESSLY STATED ABOVE, THERE ARE NO OTHER WARRANTIES, THE PARTIES EXPRESSLY EXCLUDE AND CUSTOMER WAIVES ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE
- c) IN NO EVENT WILL QES' ENTIRE LIABILITY (IN TORT, CONTRACT, WARRANTY, INFRINGEMENT OR OTHERWISE) TO CUSTOMER EXCEED THE PURCHASE PRICE ACTUALLY PAID BY CUSTOMER FOR THE SERVICES OR PRODUCTS THAT GIVE RISE TO A DISPUTE. THIS PROVISION WILL SURVIVE ANY TERMINATION OF THIS AGREEMENT.

- 9. INDEMNIFICATION AND WAIVER OF CONSEQUENTIAL DAMAGES,
 9.1 For purpose of this Section 9, the following definitions will apply: "QES Group" means QES Pressure
 Pumping LLC, its parent company, and affiliated companies, and its and their officers, directors,
 employees, contractors, subcontractors and invitees. "Customer Group" means Customer, its parent (if
 any), subsidiary and affiliated companies, co-owners, co-venturers, partners and any entity with whom
 Customer has an economic interest with respect to the Sordees, Including Customer's joint interest
 owners and partners and its and their officers, directors, employees, contractors (not including QES),
 subcontractors and invites.
- 9.2 <u>QES INDEMNITY.</u> QES AGREES TO PROTECT, DEFEND, INDEMNIFY AND HOLD HARMLESS CUSTOMER GROUP FROM AND AGAINST ALL CLAIMS, DEMANDS, AND CAUSES OF ACTION OF EVERY KIND AND CHARACTER, ARISING IN CONNECTION WITH THE SERVICES, ON ACCOUNT OF BODILY INJURY, ILLNESS, OR DEATH OF ANY MEMBER OF QES GROUP OR, DAMAGE TO OR LOSS OF PROPERTY OF ANY MEMBER OF QES GROUP.
- 9.3 <u>CUSTOMER INDEMNITY</u>. CUSTOMER AGREES TO PROTECT, DEFEND, INDEMNIFY AND HOLD HARMLESS GES GROUP FROM AND AGAINST ALL CLAIMS, DEMANDS, AND CAUSES OF ACTION OF EVERY KIND AND CHARACTER, ARISING IN CONNECTION WITH THE SERVICES, ON ACCOUNT OF BODILY NUMEY ILLNESS, OR DEATH OF ANY MEMBER OF CUSTOMER GROUP OR DAMAGE TO OR LOSS OF PROPERTY OF ANY MEMBER OF CUSTOMER GROUP.
- 9.4 WELL, CUSTOMER WILL RELEASE, PROTECT, DEFEND, AND INDEMNIFY QES GROUP FROM AND AGAINST ALL CLAIMS, DEMANDS AND CAUSES OF ACTION OF EVERY KIND AND CHARACTER IN THE EVENTS OF: (I) LOSS OR DAMAGE TO ANY GEOLOGICAL FORMATION, STRATA OR OILL OR GAS RESERVOIR OR MINERAL OR WATER RESOURCE BENEATH THE SURFACE OF THE LAND OR WATER, (II) LOSS OR DAMAGE TO THE HOLE OR WELL, (III)

IMPAIRMENT OF PROPERTY RIGHTS OR OTHER INTERESTS IN OR TO GIL, GAS, MINERAL OR WATER RESOURCES, AND (IV) REGAINING CONTROL OF ANY WILD WELL OR OUT OF CONTROL WELL, UNDERGROUND OR ABOVE THE SURFACE, INCLUDING REMOVAL OF WRECK, DEBRIS, EQUIPMENT, AND HAZARDOUS MATERIALS AND REMEDIATING ENVIRONMENTAL DAMAGE.

9.5 POLLUTION RESPONSIBILITY, Subject to paragraphs 9.2 and 9.3, it is understood and agreed between Customer and QES that the responsibility for pollution shall be as follows:

(a) QES WILL ASSUME RESPONSIBILITY FOR CONTROL AND REMOVAL OF AND WILL PROTECT, DEFEND AND INDEMNIFY CUSTOMER GROUP FROM AND AGAINST ALL CLAIMS, DEMANDS AND CAUSES OF ACTION OF EVERY KIND OF CHARACTER ARISING FROM POLLUTION OR CONTAMINATION WHICH ORIGINATES ABOVE THE SURFACE OF THE LAND OR WATER FROM THE EQUIPMENT OF ANY MEMBER OF QES GROUP MAINTAINED IN QES GROUPS' CARE, CUSTODY AND CONTROL, AND ARISING FROM THE PERFORMANCE OF THE SERVICES

SERVICES.

(b) CUSTOMER WILL ASSUME RESPONSIBILITY FOR CONTROL AND REMOVAL OF AND WILL PROTECT, DEFEND AND INDEMNIFY GES GROUP FROM AND AGAINST ALL CLAIMS, DEMANDS AND CAUSES OF ACTION OF EVERY KIND AND CHARACTER ARISING FROM POLLUTION OTHER THAN THAT DESCRIBED IN SECTION 9.5(A) ABOVE, WHICH MAY OCCUR DURING THE CONDUCT OF OPERATIONS HEREUNDER, INCLUDING, BUT NOT LIMITED TO, POLLUTION RESULTING FROM FIRE, BLOWOUT, CRATERING, SEEPAGE OR OTHER UNCONTROLLED FLOW OF OIL, GAS OR OTHER SUBSTANCE.

- 9.6 WAIVER OF CONSEQUENTIAL DAMAGES. NOTWITHSTANDING ANY PROVISION TO THE CONTRARY, CUSTOMER AND QES FURTHER AGREE THAT NEITHER PARTY WILL BE LIABLE TO CONTRARY, CUSTOMER AND GES FURTHER AGREE THAT NEITHER PARTY WILL BE LIABLE TO THE OTHER OR EACH OTHER'S RESPECTIVE GROUP FOR ANY CONSEQUENTIAL INCIDENTAL OR INDIRECT DAMAGES, INCLUDING BUT NOT LIMITED TO, LOSS OF PROFIT, LOSS OF PRODUCTION, REVENUE, OR ANTICIPATED BUSINESS ("LOSSES"). CUSTOMER AGREES TO INDEMNIFY AND HOLD QES GROUP HARMLESS FROM AND AGAINST ANY AND ALL CLAIMS FOR SUCH LOSSES ASSERTED BY MEMBERS OF CUSTOMER GROUP, GES AGREES TO INDEMNIFY AND HOLD CUSTOMER GROUP HARMLESS FROM AND AGAINST ANY AND ALL CLAIMS FOR SUCH LOSSES ASSERTED BY MEMBERS OF QES GROUP.
- 9.7 EXCEPT AS OTHERWISE EXPRESSLY LIMITED BY THIS AGREEMENT OR BY LAW, ALL RELEASES, INDEMNITY OBLIGATIONS AND OTHER LIABILITIES ASSUMED UNDER THIS AGREEMENT WILL BE WITHOUT LIMIT AND WITHOUT REGARD TO THE CAUSE OR CAUSES, INCLUDING, WITHOUT LIMITATION, PREEXISTING CONDITIONS, UNSEAWORTHINESS, STRICT LIABILITY, WILLFUL MISCONDUCT, AND THE SOLE, JOINT, GROSS, OR CONCURRENT NEGLIGIBLE OF ANY PROTY
- 9.6. Each Party hereunder agrees to support its indemnity obligations with liability insurance coverage with limits of liability not less than ten million dollars (\$10,000,000). It is the express intention of the Parties that the Indemnities contained herein apply to the fullest extent permitted. by applicable low, and in no event will a Party's Indemnity obligation be limited to the amount of Insurance carried by each Party.
- THIS SECTION 9 WILL SURVIVE THE TERMINATION OR EXPIRATION OF THIS AGREEMENT.
- 10. Insurance. All insurance policies of either Party, in any way related to the Services, whether or not required by link Agneement, shall to the extent of the risks and liabilities assumed by such party; (i) name the other party group as additional insured (except for worker's compensation, OEE/COW, or professional liability policies), (ii) waive subrogation as to the other party group; and (iii) be primary and non-contributory to any insurance of the other party group
- 11. Force Malaura. Except the obligation to make payments when due, neither QES nor Customer will be liable nor deemed to be in breach of this Agreement for any delay or failure in performance resulting from the acts of God, civil or military authority, material change of law, any governmental action, acts of public enemy, war, accidents, fines, explosions, earthquakes, floods, failure of transportation, national strikes, acute or unusual lebor, material or equipment shortages, or any similar or dissimilar cause beyond the reasonable control of either Party. The Party so affected will as soon as such a cause or event occurs promptly notify the other Party. The Party so affected will as soon as such a cause or event occurs promptly notify the other Party in writing concerning the cause and the estimated effect and take reasonable, measures with proper dispatch to remedy the condition. In the event Customer declares a force majeure occurrence, QES will be compensated at the standard delity rate for the materials and personnel that are standing tide as a consequence of the force majeure occurrence until Customer terminates the work order or work resumes.
- 12. <u>Governing Law.</u> This Agreement will be governed by the laws of the State of Texas, without regard to its conflicts of law provisions. The Parties agree to submit to the exclusive juncticion of the federal or state courts located in Houston, Harris County, Texas with respect to any and all disputes that arise out of or are related in any way to the subject matter of this Agreement. This Section 12 will survive the termination or expiration of this Agreement.
- 13. <u>Independent Contractor</u>. QES will be an independent contractor with respect to the Services performed, and neither QES not enjoyee employed by QES will be deemed for any purpose to be the employee, agent, servant, borrowed servant or representative of Customer.
- 14. <u>Severability</u>, in the event any provision of this Agreement is Inconsistent with or contrary to any applicable law, rule or regulation, the provision will be deemed modified to the extent required to comply, and the remaining terms, as modified, will remain in full force and effect.
- 15. Weiver. A waiver on the part of either Party of any breach of any term, provision or condition of this Agreement will not constitute a precedent and not bind either Party horsto to a waiver of any succeeding or other breach of the same or any other term, provision or condition of this Agreement.
- 16. <u>Entire Agreement.</u> This Agreement contains the entire agreement of the Parties with regard to the subject matter hereof and supersedes any prior oral and written agreements, contracts, representations or warranty between the Parties relating to the subject matter hereof. No amendment or modification of the Agreement will be effective unless it is in writing and signed by an authorized representative of each Party. If the Parties enter into a Master Service Agreement, then any term or condition herein which conflicts with the provisions of such Master Service Agreement will be deemed invalid.



Prepared For: Palomino Petroleum, Inc.

3924 SE 94th St. Newton, KS 67114

ATTN: Andrew Stenzel

Hagans "14" #3

14-16s-26w Ness,KS

Start Date: 2018.09.17 @ 17:16:12

End Date: 2018.09.18 @ 01:34:57

Job Ticket #: 64702 DST #: 1

Trilobite Testing, Inc

1515 Commerce Parkway Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620



Palomino Petroleum, Inc.

3924 SE 94th St. New ton, KS 67114

ATTN: Andrew Stenzel

14-16s-26w Ness,KS

Hagans "14" #3

Job Ticket: 64702

DST#: 1

Test Start: 2018.09.17 @ 17:16:12

GENERAL INFORMATION:

Time Tool Opened: 19:37:12

Time Test Ended: 01:34:57

Formation:

Mississippi

Deviated:

No Whipstock: ft (KB)

Test Type:

Conventional Bottom Hole (Initial)

Tester:

Matt Smith

Unit No:

68

Reference Elevations:

2570.00 ft (KB)

KB to GR/CF:

2565.00 ft (CF) 5.00 ft

Total Depth:

Interval:

4428.00 ft (KB) To 4510.00 ft (KB) (TVD) 4510.00 ft (KB) (TVD)

Hole Diameter:

7.88 inches Hole Condition: Fair

Serial #: 8931

Press@RunDepth:

272.85 psig @ 2018.09.17

Inside

4429.00 ft (KB) End Date:

2018.09.18

Capacity: Last Calib.: 8000.00 psig

Start Date: Start Time:

17:16:17

End Time:

01:34:56

Time On Btm:

2018.09.18

Time Off Btm:

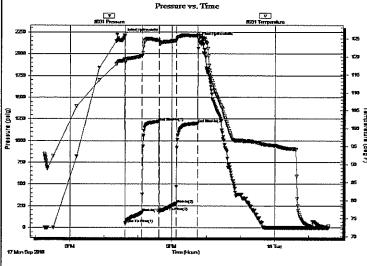
2018.09.17 @ 19:35:27 2018.09.17 @ 21:46:27

TEST COMMENT: IF: Strong blow, B.O.B. in 11 mins, Built to 28 3/4"

ISI: Weak blow . Built to 1/4".

FF: Strong blow . B.O.B. in 11 mins. Built to 26 3/4"

FSI: Weak blow . Built to 1/4".



Ī	Time	Pressure	Temp	Annotation					
	(Min.)	(psig)	(deg F)						
	0	2211.57	119.13	Initial Hydro-static					
	2	47.99	118.35	Open To Flow (1)					
	32	170.39	120.20	Shut-ln(1)					
_	62	1219.82	124.58	End Shut-In(1)					
Temperatura (deg F)	62	184.17	124.15	Open To Flow (2)					
reture	92	272.85	124.44	Shut-In(2)					
(deg	129	1199.41	125.77	End Shut-In(2)					
3	131	2161.48	125.87	Final Hydro-static					

Recovery

Length (ft)	Description	Volume (bbl)
60.00	GMCO 55%o 23%g 22%m	0.30
60.00	SGMCO 90%o 5%m 5%g	0.30
248.00	GMCO 55%o 25%m 20%g	3.48
340.00	CO 100%o	4.77
0.00	279' GIP	0.00

Gas Rates

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

Trilobite Testing, Inc.

Ref. No: 64702



Palomino Petroleum, Inc.

14-16s-26w Ness,KS

3924 SE 94th St. New ton, KS 67114 Hagans "14" #3

Job Ticket: 64702

DST#: 1

ATTN: Andrew Stenzel

Test Start: 2018.09.17 @ 17:16:12

GENERAL INFORMATION:

Time Tool Opened: 19:37:12

Time Test Ended: 01:34:57

Formation:

Mississippi

Deviated:

No Whipstock: ft (KB)

Test Type:

Conventional Bottom Hole (Initial)

Tester:

Matt Smith

Unit No:

68

4428.00 ft (KB) To 4510.00 ft (KB) (TVD)

2570.00 ft (KB)

Interval: Total Depth:

Reference Elevations:

2565.00 ft (CF)

Hole Diameter:

4510.00 ft (KB) (TVD)

7.88 inches Hole Condition: Fair

KB to GR/CF:

5.00 ft

Serial #: 8792

Outside

Press@RunDepth:

psig @

4429.00 ft (KB)

2018.09.18

Capacity: Last Calib.: 8000.00 psig

Start Date:

2018.09.17

End Date:

Time On Btm:

2018.09.18

Start Time:

17:20:26

End Time:

01:34:20

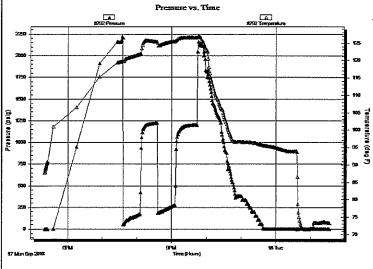
Time Off Btm:

TEST COMMENT: IF: Strong blow . B.O.B. in 11 mins. Built to 28 3/4"

ISI: Weak blow . Built to 1/4".

FF: Strong blow . B.O.B. in 11 mins. Built to 26 3/4"

FSI: Weak blow . Built to 1/4".



PRESSURE	SUMMARY

•	Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
Temo				
Temperature (den F)				

Recovery

Length (ft)	Description	Volume (bbl)
60.00	GMCO 55%o 23%g 22%m	0.30
60.00	SGMCO 90%o 5%m 5%g	0.30
248.00	GMCO 55%o 25%m 20%g	3.48
340.00	CO 100%o	4.77
0.00	279' GIP	0.00

Gas Rates

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

Trilobite Testing, Inc

Ref. No: 64702



14-16s-26w Ness,KS

Palomino Petroleum, Inc.

3924 SE 94th St. New ton, KS 67114 Hagans "14" #3

Job Ticket: 64702

DST#: 1

TOOL DIAGRAM

ATTN: Andrew Stenzel

Test Start: 2018.09.17 @ 17:16:12

Tool Information

Drill Pipe: Heavy Wt. Pipe: Length:

Drill Collar:

Length: 4295.00 ft Diameter: Length:

0.00 ft Diameter: 120.00 ft Diameter: 3.80 inches Volume: 0.00 inches Volume: 2.25 inches Volume:

Total Volume:

60.25 bbl 0.00 bbl 0.59 bbl

60.84 bbl

Tool Weight: Weight set on Packer: 26000.00 lb

2100.00 lb

Weight to Pull Loose: 70000.00 lb

Tool Chased

0.00 ft

String Weight: Initial 61000.00 lb

Final 63000.00 lb

Drill Pipe Above KB: Depth to Top Packer:

15.00 ft 4428.00 ft

Depth to Bottom Packer: Interval between Packers:

ft 82.00 ft 110.00 ft

2 Diameter:

6.75 inches

Tool Comments:

Number of Packers:

Tool Length:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			4401.00		
Shut in Tool	5.00			4406.00		
Hydraulic tool	5.00			4411.00		
Jars	5.00			4416.00		
Safety Joint	3.00			4419.00		
Packer	4.00			4423.00	28.00	Bottom Of Top Packer
Packer	5.00			4428.00		
Stubb	1.00			4429.00		
Recorder	0.00	8931	Inside	4429.00		
Recorder	0.00	8792	Outside	4429.00		
Perforations	4.00			4433.00		
Change Over Sub	1.00			4434.00		
Blank Spacing	62.00			4496.00		
Change Over Sub	1.00			4497.00		
Perforations	10.00			4507.00		
Bullnose	3.00			4510.00	82.00	Bottom Packers & Anchor
Total Tool Length	110.00					

Total Tool Length:

110.00

Trilobite Testing, Inc.

Ref. No: 64702



FLUID SUMMARY

Palomino Petroleum, Inc.

14-16s-26w Ness, KS

3924 SE 94th St. New ton, KS 67114 Hagans "14" #3

Job Ticket: 64702

DST#:1

ATTN: Andrew Stenzel

Test Start: 2018.09.17 @ 17:16:12

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

39 deg API

Mud Weight: Viscosity:

9.00 lb/gal 57.00 sec/qt Cushion Length:

ft

Cushion Volume:

bbl

Water Salinity:

4400 ppm

Water Loss: Resistivity:

9.18 in³ 0.00 ohm.m

Gas Cushion Type: Gas Cushion Pressure:

psig

Salinity: Filter Cake: 4400.00 ppm 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	GMCO 55%o 23%g 22%m	0.295
60.00	SGMCO 90%o 5%m 5%g	0.295
248.00	GMCO 55%o 25%m 20%g	3.479
340.00	CO 100%o	4.769
0.00	279' GIP	0.000

Total Length:

708.00 ft

Total Volume:

8.838 bbl

Num Fluid Samples: 0

Num Gas Bombs:

Serial #: none

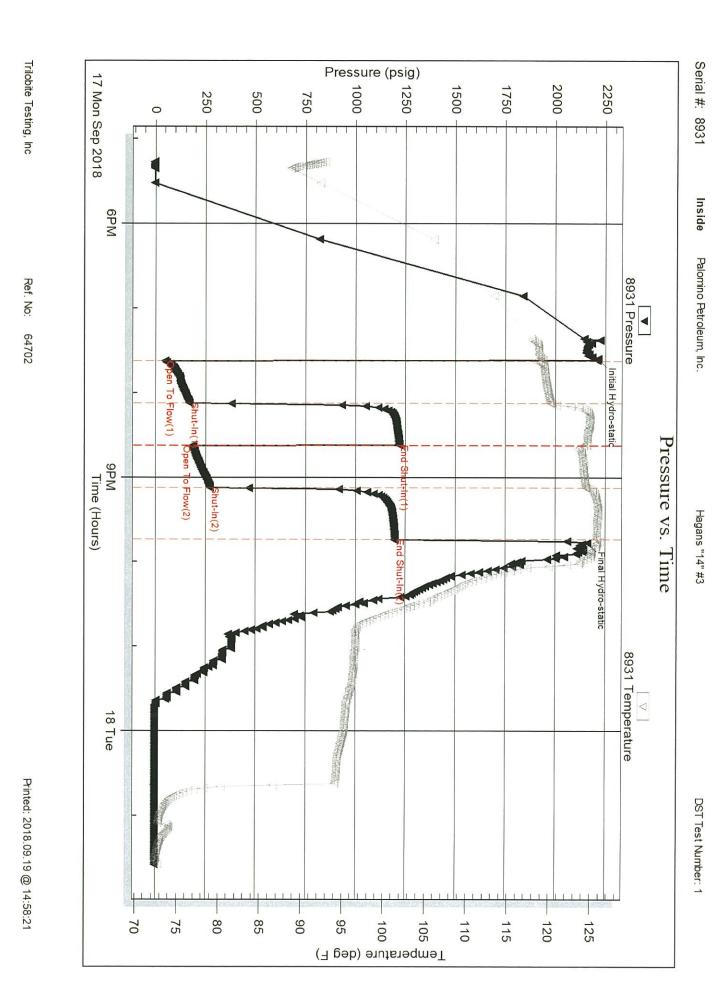
Laboratory Name:

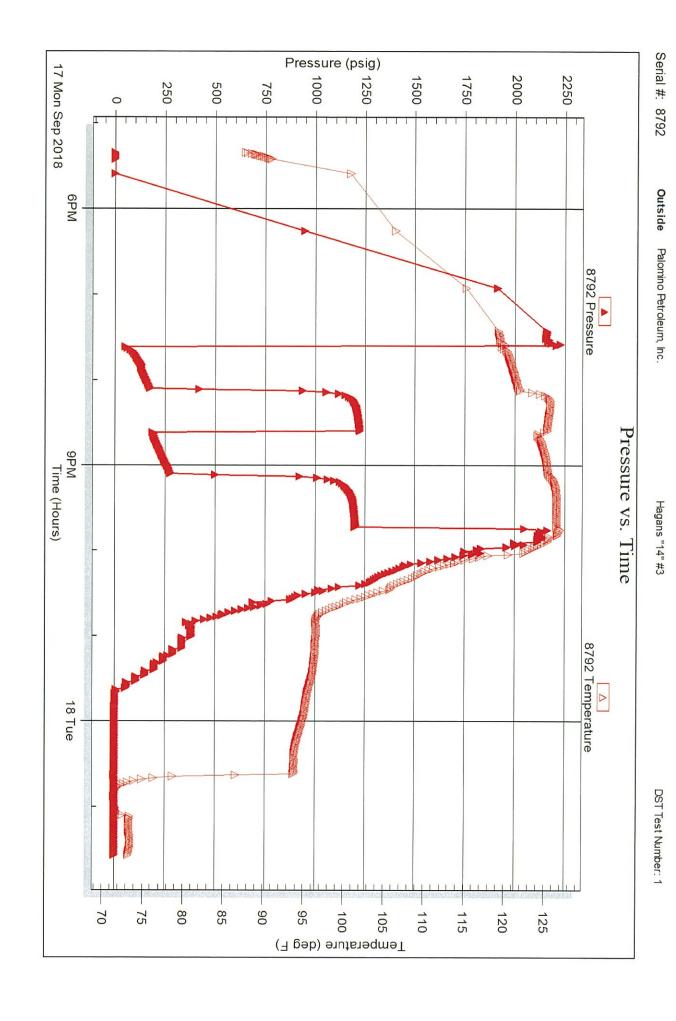
Laboratory Location:

Recovery Comments: Gravity 37 @ 78 Degrees. Corrected to 39 @ 60 Degrees.

Trilobite Testing, Inc.

Ref. No: 64702





Trilobite Testing, Inc

Ref. No: 64702



RILOBITE ESTING INC. 1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

64702 NO.

	1/00= - 111111 40		Tael Me	D	Dale 9/17/1	18
Well Name & No.	Hagans "14" #3	Tur		2570	7 7	
Company Palo	mmo toteoleum	Inc.		<u></u>	<u></u>	
lddress <u>496</u>	24 SE 948 ST.	Newson, KS		J DRHAMA *	<u>-2,</u>	
Co. Rep / Geo. 🚣	Indrau Stenzel			\ \ /	Siale	ζS
Location: Sec.	14 Twp 165	Rge. <u> ವಿಠಬ</u>	Co. <u>Ness</u>		31816	
iervai Tesled	1428 - 4510	Zone Tested	MISSISSIPP	<u>/</u>		3
chor Length	ક્રદ્રે'	Drill Pipe Run	4295	<u> </u>	5	<u>.3</u> 57
p Packer Depth	4423	Drill Collars Rui	in <u>/20</u>	Vi		7. Q
ttom Packer Depth	h <u>4428</u>	Wt. Plpe Run_	<u> </u>		, L	
ai Deoth	4510	Chlorides	4,400 p	p,,, = , = ,	.CM	<u> </u>
w Description	IF: Strong Blow.	Bio.B. in Iln	nms, Buitt	1 to 28 1/3	4.	
I: Weak !	blow. Burlt to	<i>'\u'</i> '.				
: Strong	11 /	Umins, Bu	rit to 26	. 14 .		
I: Weak		74 .				
379'	Feet of GITIPI		/00 %gas	%oil	%water %water	%m <u>.</u> %m
340'	Feet of Clean Oil		%gas	100%oil	%water	
248'	Feet of OCMG		20%gas	55 %oll	%water	
60'	Feet of OCMG	r c	5 _{%gas}	90 %oll		
60'	Feel of OCGM	-	23 %gas	55 %oil		
Total <u>7<i>0</i>8'</u>		Gravity 39@60			-	1/ 22
itial Hydrostatic	2212			_ 	ocation	
rst Initial Flow	48				NA.	1716
rst Final Flow	ノフハ	<i>•</i>		T-Starte		
	170	_ Safety Joint _		T-Open	n	1937
tlai Shut-in	/220	Safety Joint	75	T-Open	n ad	1937 2137
	/220	Circ Sub	75	T-Open T-Pulled	n bed	1937
tial Shut-in	/220 	Circ Sub	75	T-Open	n bed	1937 2137
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tial Shut-incond initial Flow_cond Final Flow_	/220 /84 273	Circ Sub Hourly Standby Mileage Sampler Straddle	75 78 98	T-Open T-Pulled T-Out Commo	nnents	1937 2137 0134
cond initial Flow cond Final Flow at Shut-in	1220 184 273 1149	Circ Sub Hourly Standby Mileage Sampler Straddle Shale Packer	75 98 98	T-Open T-Pulled T-Out _ Commo	nnents	1937 2137 0134
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Andrew Stenzel

Geologist

Ness City, Kansas



Scale 1:240 (5"=100") Imperial Measured Depth Log

Well Name:

Well Id:

Location:

Region: Drilling Completed: : Hagans "14" #3 : 15-135-25020-00-00 : NW-SW-NE-SW Sec. 14 16S-26W (Ness County) : 30742 : 9/11/18 : 1833' FSL & 1335' FWL License Number: Spud Date: Surface Coordinates:

KANSAS 9/19/18

Bottom Hole

K.B. Elevation (ft): Total Depth (ft): P 2564 3700 To: TD MISSISSIPPIAN Mud-Co Chemical Coordinates: Ground Elevation (ft): Logged Interval (ft):

Formation: Type of Drilling Fluid:

Printed by MudLog from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Palomino Petroleum, Inc. 4924 SE 84th St. Newton, KS 67114

Company: Address:

GEOLOGIST

Petroleum Geologist 501 S. Franklin Andrew Stenzel Company: Address: Name:

Ness City, KS 67560

Drilling Report

DAILY DRILLING REPORT: 9/11/18 MIRU, ran surface of 9/12/18 Drilling @ 3287 9/13/18 Drilling @ 3210 9/14/18 Drilling @ 3210 9/15/18 Drilling @ 4232 9/16/18 Drilling @ 4443', D' 9/18/18 Drilling @ 4525', R' 9/19/18 Ran production cas

MIRU, ran surface casing
Drilling @ 309'
Drilling @ 3210'
Drilling @ 3787'
Drilling @ 4232'
Drilling @ 4443', DST #1
Drilling @ 4525', Ran electric logs
Ran production casing

Services

RIG: WW Drilling, Rig #2

MUD: MUDCO LOGS: Pioneer: CNDL, DIL, ML

Casing Record

SURFACE Casing: Ran 5 jts new 8 5/8", 23# casing @ 215'

PRODUCTION Casing: Ran 109 jts new 5 1/2", 14# casing @ 4610'

Formation Tops

	_	_	_	_	_		_	_	_	_	4608 (-2039)
LogTops	Anhy.	Base Anhy.	Heebner	Lansing	BKC	Marmaton	Pawnee	Ft. Scott	Cher. Sh.	Miss.	9
S	_			_		_			_	_	4612 (-2043)
Sample Tops	Anhy.	Base Anhy.	Heebner	Lansing	BKC	Marmaton	Pawnee	Ft Scott	Cher. Sh.	Miss.	RTD



DRILL STEM TEST REPORT

Palamino Petroleum, Inc.

3924 SE 94th St. New ton, Ks. 67114

ATTN: Andrew Stenzel

14-16s-26w Ness Co. Ks.

Hagans "14" #3

DST#:1 Job Ticket: 64702

Test Start: 2018.09.17 @ 17:16:12

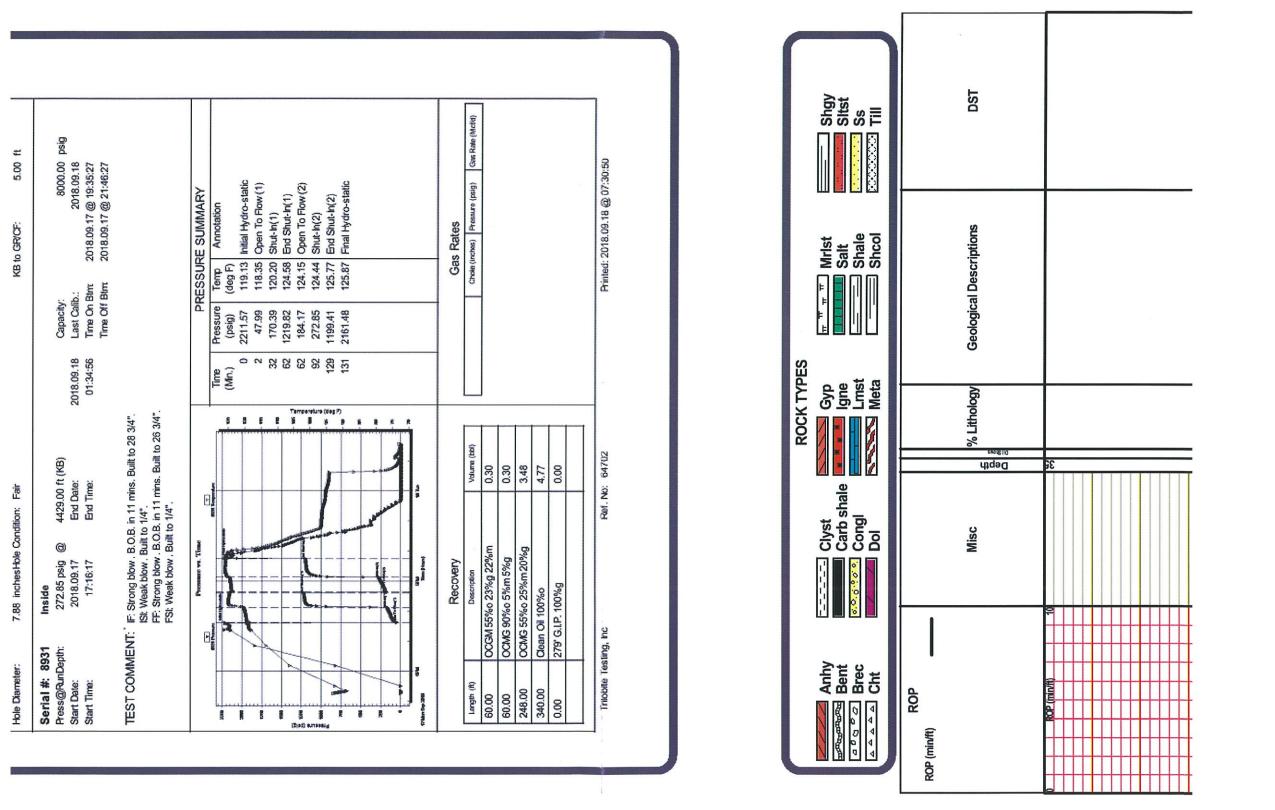
GENERAL INFORMATION:

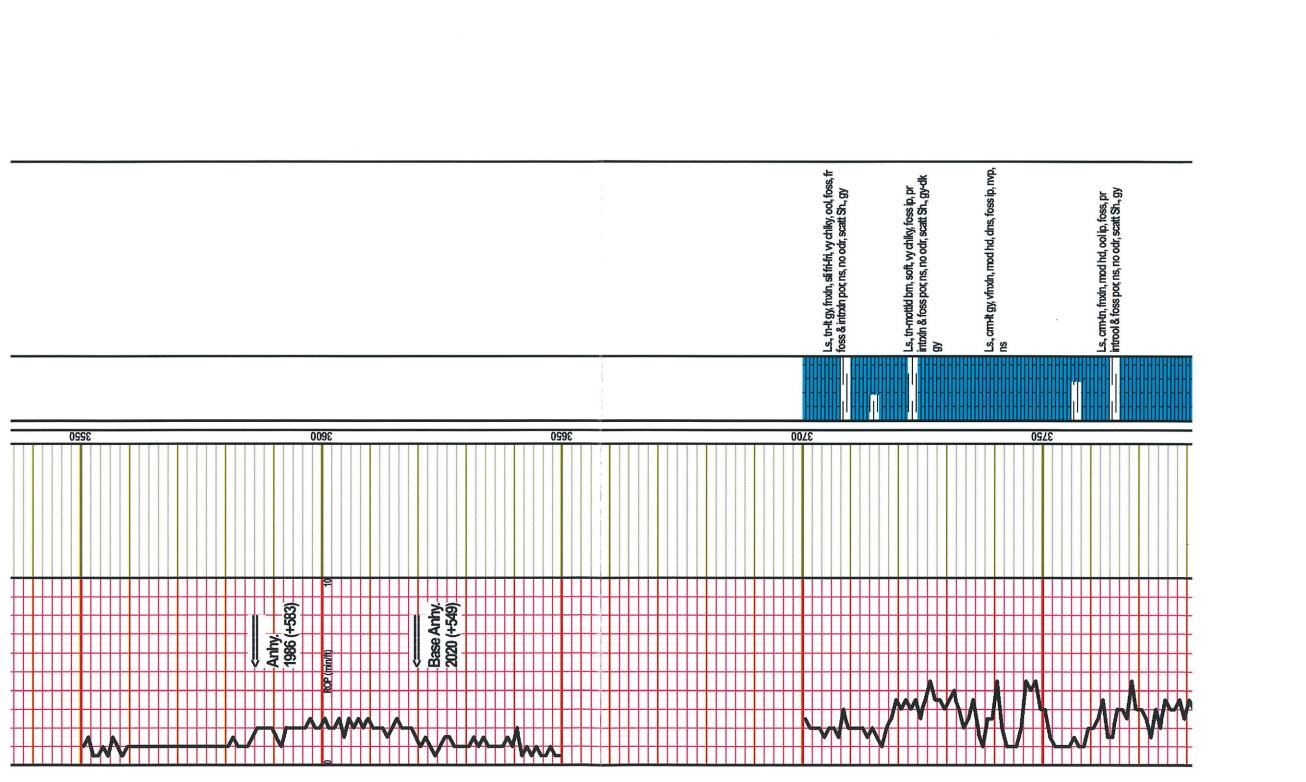
Formation: Mississippi
Deviated: No Whipstock:
Time Tool Opened: 19:37:12
Time Test Ended: 01:34:57

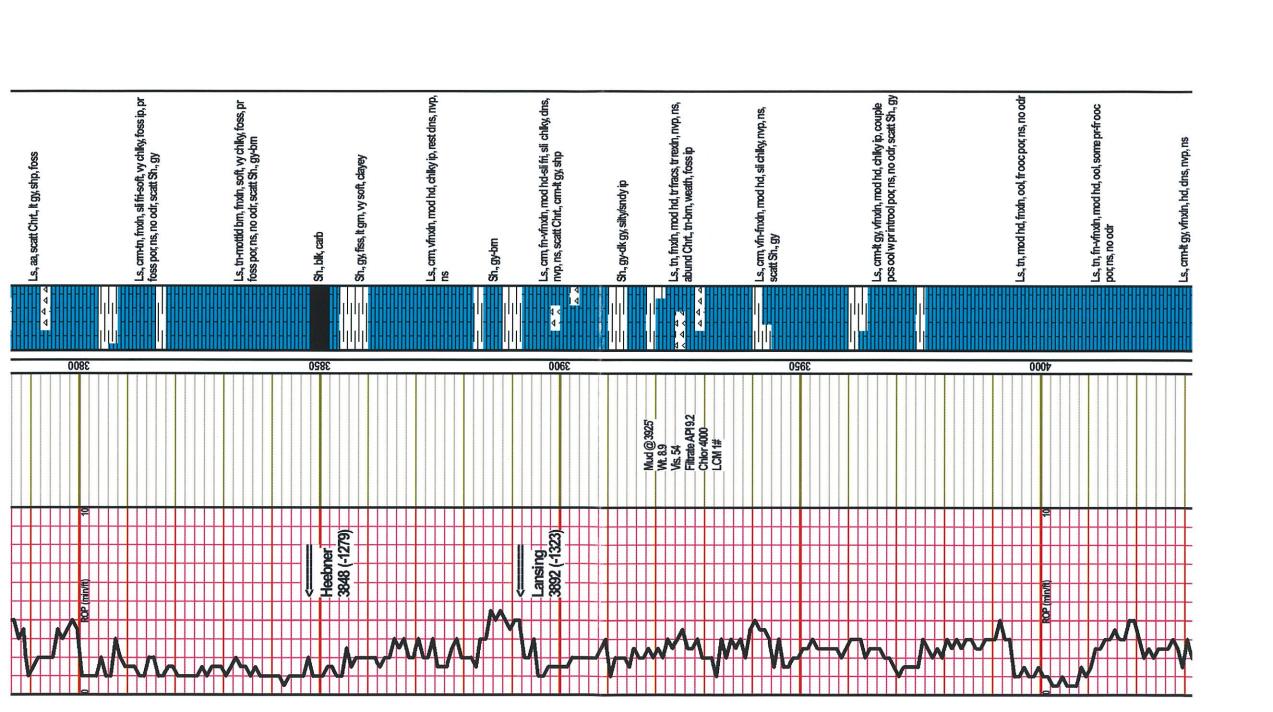
AT SEA ON SE LIKEN TA

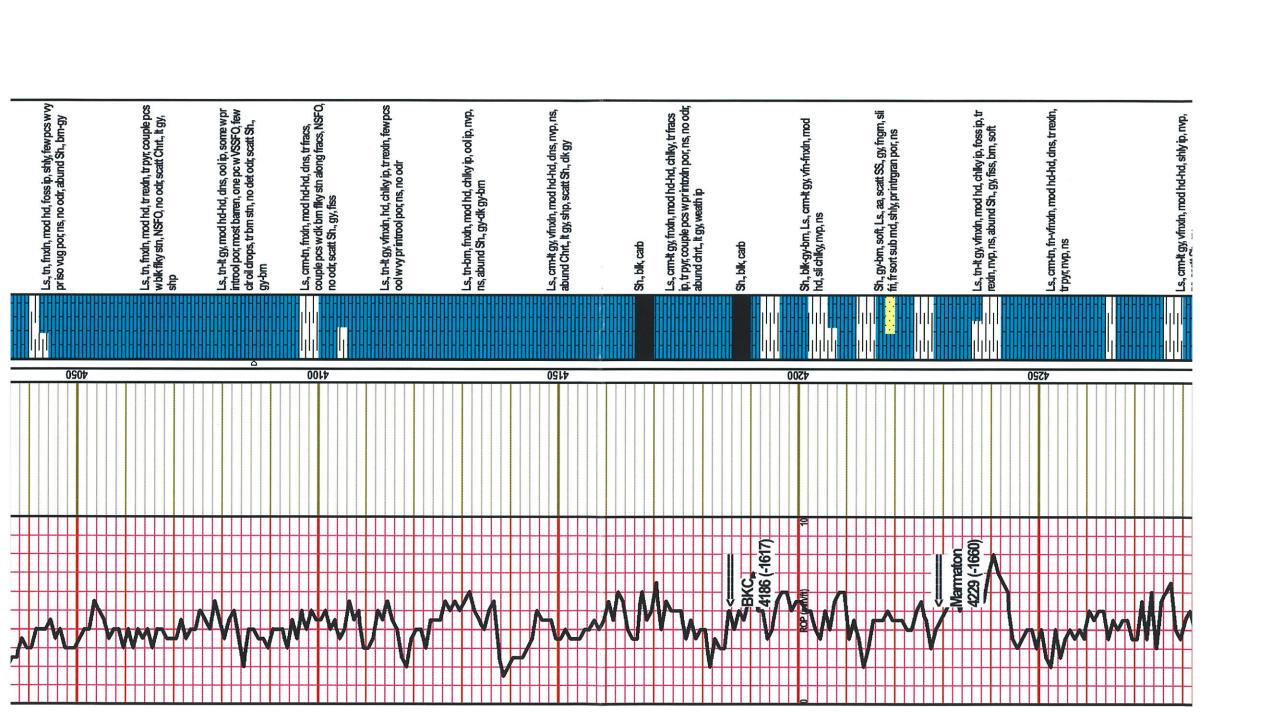
Test Type: Conventional Bottom Hole (Initial)
Tester: Matt Smith
Unit No: 68

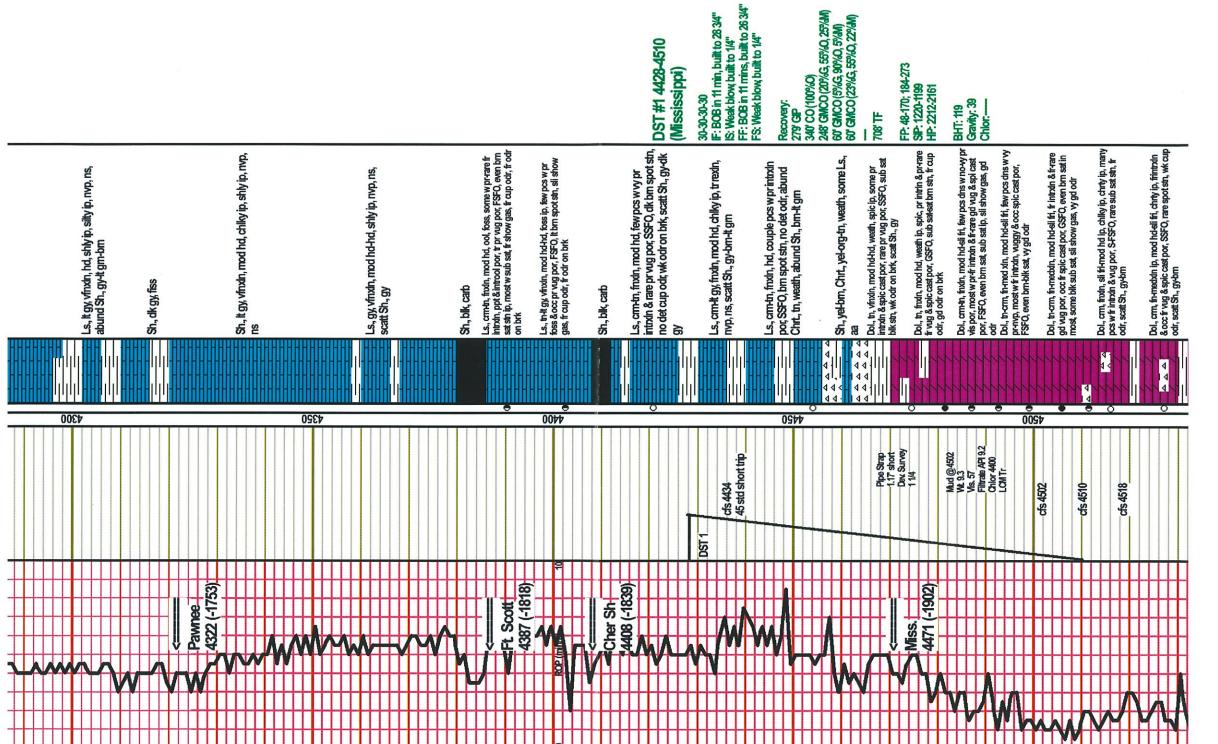
SEZO ON BIKEN Roforonro











DST#1 4428-4510

IF: BOB in 11 min, built to 28:34" IS: Weak blow built to 1/4" FF: BOB in 11 mins, built to 26:34" FS: Weak blow, built to 1/4"

