KOLAR Document ID: 1462847

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:	SecTwpS. R East West
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 ☐ GSW	Total Vertical Depth: Plug Back Total Depth:
CM (Coal Bed Methane)	Amount of Surface Pipe Set and Cemented at: Feet
Cathodic Other (Core, Expl., etc.):	Multiple Stage Cementing Collar Used?
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 □ Plug Back □ Liner □ Conv. to GSW □ Conv. to Producer	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Commingled Permit #:	Chloride content: ppm Fluid volume: bbls
Dual Completion Permit #:	Dewatering method used:
SWD Permit #:	Location of fluid disposal if hauled offsite:
EOR Permit #:	
GSW Permit #:	Operator Name:
_	Lease Name: License #:
Spud Date or Date Reached TD Completion Date or	Quarter Sec. Twp. S. R. East West
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: 1462847

Page Two

Operator Name:					Lease Nam	ne:			Well #:	
Sec Tw	pS. F	R [East	West	County:					
open and closed and flow rates if	, flowing and sh gas to surface t ty Log, Final Lo	nut-in pressurest, along wit	es, whe h final c ain Geo	ther shut-in pre hart(s). Attach physical Data a	essure reached extra sheet if r and Final Electr	station more : ric Loc	level, hydrosta space is needed	tic pressures, d.	bottom hole tempe	val tested, time tool erature, fluid recovery, Digital electronic log
Drill Stem Tests (Attach Addit			Ye	es No		Lo	og Formatio	n (Top), Deptl	n and Datum	Sample
Samples Sent to	Geological Sur	vey	Ye	es 🗌 No		Name)		Тор	Datum
Cores Taken Electric Log Run Geologist Repor List All E. Logs F	t / Mud Logs		Y€ Y€	es No						
			Repo		RECORD [Nev	w Used rmediate, producti	on. etc.		
Purpose of St		ze Hole Orilled	Siz	e Casing (In O.D.)	Weight Lbs. / Ft.		Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
				ADDITIONAL	OF MENTING /					
Purpose:	[Depth	Typo		# Sacks Use		EEZE RECORD	Typo a	ad Paraant Additivas	
Perforate Protect Ca Plug Back	Top	Bottom	Type of Cement		# Sacks Useu		Type and Percent Additives			
Plug Off Z										
Did you perform Does the volum Was the hydraul	e of the total base	fluid of the hyd	draulic fra	cturing treatmen		•	Yes ns? Yes	No (If No	, skip questions 2 an , skip question 3) , fill out Page Three o	,
Date of first Produ	ction/Injection or	Resumed Produ	uction/	Producing Meth			Coolift 0	thor (Fundain)		
Estimated Produc	otion	Oil Bb	le.	Flowing Gas	Pumping	Wate		ther <i>(Explain)</i> bls.	Gas-Oil Ratio	Gravity
Per 24 Hours		Oli Bb	15.	Gas	IVICI	vvale	ı Di	JIS.	Gas-Oil Hallo	Gravity
DISPO	OSITION OF GAS	S:		N	METHOD OF CO	MPLE.	TION:		PRODUCTIO	N INTERVAL:
Vented	Sold Use	d on Lease		Open Hole		Dually		nmingled	Тор	Bottom
(If vente	ed, Submit ACO-18	.)			(5	SUDITIIL I	ACO-5) (Subi	mit ACO-4)		
Shots Per Foot	Perforation Top	Perforation Bottom	on	Bridge Plug Type	Bridge Plug Set At		Acid,		Cementing Squeeze Kind of Material Used)	Record
TUBING RECOR	D: Size:		Set At:		Packer At:					

Form	ACO1 - Well Completion				
Operator	Palomino Petroleum, Inc.				
Well Name	NATTIER TRUSTS 1				
Doc ID	1462847				

All Electric Logs Run

0	
Borehole Compensated Sonic Array	
Micro	
Array Compensated True Resistivity	
Annular Hole Volume 5.5 Inch Casing	
Cement Bond	
Spectral Density Dual Spaced Neutron	

Form	ACO1 - Well Completion
Operator	Palomino Petroleum, Inc.
Well Name	NATTIER TRUSTS 1
Doc ID	1462847

Tops

Name	Тор	Datum
Heebner	1958	(- 519)
Brown Lime	2142	(- 703)
Stark	2253	(- 814)
BKC	2608	(-1169)
Marmaton	2662	(-1223)
Altamont	2766	(-1327)
Pawnee	2795	(-1356)
Ft. Scott	2822	(-1383)
Cherokee Sh.	2836	(-1397)
Burgess Sand	2852	(-1413)
Miss.	2916	(-1477)
Kinderhook	3137	(-1698)
Hunton	3228	(-1789)
Maquoketa	3284	(-1845)
Viola	3312	(-1873)
Simpson Sd.	3359	(-1920)
Simpson Sh.	3377	(-1938)
Arbuckle	3421	(-1982)
LTD	3499	(-2060)

Form	ACO1 - Well Completion				
Operator	Palomino Petroleum, Inc.				
Well Name	NATTIER TRUSTS 1				
Doc ID	1462847				

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight		Type Of Cement	Type and Percent Additives
Surface	12.25	8.625	23	218	Class A	2% gel, 3% c.c.
Production	7.875	5.500	15.5	3492	SMD/EA-2	2% gel, 3% c.c.



P. O. Box 466

Ness City, KS 67560

Off: 785-798-2300



Invoice

DATE	INVOICE#	
3/27/2019	27509	

BILL TO		
Palomino Petroleum Inc.	RECLIVED	
4924 S E 84th Street	APR 0 - 201	g .
Newton, KS 67114-8827	AIN 0 201	
		THE REAL PROPERTY AND ADDRESS OF THE PERTY ADDRESS OF T

- Acidizing
- Cement
- Tool Rental

TERMS	Well No	/ell No. Lease County Contractor		We	Well Type		ell Category	Job Purpose	Operator	
Net 30	#1	Nattier Trust	Harvey WW Drl Rig #4	WW Drl Rig #4		Oil	Development		Long String	David E
PRICE I	REF.		DESCRIPT	TION		QTY		UM	UNIT PRICE	AMOUNT
575D 578D-L 290 221 281 403-5 406-5 407-5 409-5 330 325 284 283 285 276 581D 583D 580	F I I I I I I I I I I I I I I I I I I I	Mileage - 1 Way Pump Charge - Long D-Air Liquid KCL (Clayfix Mud Flush 5 1/2" Cement Baske 5 1/2" Latch Down P 5 1/2" Insert Float Sh 5 1/2" Turbolizer Swift Multi-Density S Standard Cement Calseal Salt CFR-1 Flocele Gervice Charge Ceme Drayage Additional Hours (If Subtotal Sales Tax Harvey Con	t lug & Baffle oe With Auto Standard (MID	OCON II)			1 3 4 500 2 1 1 1 1 200 100 5 400 75	Each Each Each Each Sacks Sacks	5.00 1,300.00 42.00 25.00 1.50 275.00 250.00 325.00 85.00 16.25 13.00 35.00 0.20 4.50 2.50 1.75 0.85 250.00 8.50%	750.00 1,300.00 126.007 100.007 750.007 550.007 250.007 325.007 3,250.007 1,300.007 175.007 80.007 225.007 187.507 525.00 1,863.20 1,000.007 13,691.70 786.55

We Appreciate Your Business!

Total

\$14,478.25



TICKET 27509

		CITY, STATE, ZIP CODE	ODE				PAGE	90	
Services,	ces, Inc.					19		1000 Paris 10	
SERVICE LOCATIONS	WELL/PROJECT NO.	LEASE	COUN	STATE CITY	Υ	DATE		NER	
2 Ness Mit	TICKET TYPE CON	CONTRACTOR	RIG NAMENO.		DELIVERED TO	ORDER	ORDER NO.		1
ω	L. C.	Ww brilling	ling King # 4	C7 VIA	LOCATION				1
4.	Ø. H) WELL	JOB PURPOSE	WE	WELL PERMIT NO.	WEL	WELL LOCATION		
REFERRAL LOCATION	INVOICE INSTRUCTIONS			enter comme manufacture enter comme transmit qualitaria que Manuelmana.				Anadrija parkeja ir inne ylani masani na reno iraja se aja en aka kili tabi di Markana	
PRICE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING LOC ACCT DF	DESCRIPTION		OTY TIME	OTY	DNIT	AMOUNT	- 11
225		_	MILEAGE YY # 10		3	.	<u>S</u>	00 05 t	0
8£S		-	P	time) KA		300 0	1300 00	
290				۷	3 Gac		42 00	126 100	3
224			Cionia Rec		4 600		25 00	100 00	0
28/			20	CA	São Gru		0.5	250 00	
403			Coment Basket		2 64	5/2	27570	250 0	
406		-	20 00	BACFLO	- EA	_	250 00	250 00	
404			SHOR W	ANTO GIL	\$		3250	325 00	9
909			cer		11 EA		28	93500	
38			Additional Hours		4 HB	_	250 12	000	1
					-	-			
					_	_			1
LEGAL TERMS: Cuthe terms and conditions	LEGAL TERMS : Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include,	s and agrees to of which include,	REMIT PAYMENT TO:	SURVEY OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?	FORMED AGREE	DECIDED AGREE	PAGE TOTAL	00 78 00	0
LIMITED WARRANTY provisions	but are not limited to, PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY provisions.	DEMNITY, and	פואווכד פבטעוסבפ ואוס	WE UNDERSTOOD AND MET YOUR NEEDS? OUR SERVICE WAS				13691 30	q
MUST BE SIGNED BY CUST START OF WORK OR DELIV	MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS	RTO	•	PERFORMED WITHOUT DELAY? WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCIII ATIONS	T DELAY? QUIPMENT		HUVEL !!	2	
×			NESS CITY, KS 67560	SATISFACTORILY? ARE YOU SATISFIED V	ATISFACTORILY? RE YOU SATISFIED WITH OUR SERVICE?		21 0.8	186 H	V
DATE SIGNED	TIME SIGNED	P A				NO	TOTAL	2	1
				☐ CUSTOM	CUSTOMER DID NOT WISH TO RESPOND	ESPOND		アメナ	U

SWIFT OPERATOR

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

Thank You!



TICKET CONTINUATION

TICKET 27509

						***************************************			276	285	À83	884	325	330	PRICE REFERENCE		
															SECONDARY REFERENCE/ PART NUMBER		
															ACCOUNTING T	Ness City, KS 67560 Off: 785-798-2300	PO Box 466
CHARGE 72225 LONG MES	Cement								Floude)	CHR-1	Sper		land Cc	Swift Multi- Density	TIME DESCRIPTION	PALOMINO PETOLEUM	
2)92	CUBIC FEET 300 8 KS								75 165	50 /ks	400 165	ST	<u> </u>	200 Sk	MIN ALL NIN ALL	Matter Trust #1	
25 /8/3 20	525						2000		2 50 187 20	2,	80			3250	UNIT AMOUNT	DATE 8-27749 PAGE OF	1 PRO. X 7307

DATE
3-27-/9
TICKET NO.
27509 PAGE NO. SWIFT Services. Inc. JOB LOG CUSTOMER WELL NO PRESSURE (PSI)
TUBING CASING VOLUME DESCRIPTION OF OPERATION AND MATERIALS On location 30 Csg-5/2 x 15.5 RTD - 3500 Shoe - 42.45 CENTIMIZERS - 2, 3, 4, 5, 6, 7,8, 11,16,18,4 Boslets - 4.6 45 930 Break Circ on Bottom Plug Rar Hole - 30 sks pump Mydflish - 500 600 pump Ker Spacer 300 20 SLART CMY - 170 SKS SMA @ //2 MA Swith to FA-2 For 100 sks @ 15.5 PM 7.25 300 95 500 Fno Cmy 200 Drop plug - WASH PAL StARY Disp LAND Plus - Lift Psi - 900 " 300, 0 Land Psi - 1500 Release Psi - Dry Total Cour Hole -170 smD JOB Complete Thanks Davis, ZACH & ISAMC



REMIT TO

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

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

Invoice# 900573

Invoice Date: 03/18/19

MAR 2 1 2019

---RECEIVED --

Terms: Net 30 Page

PALOMINO PETROLEUM, INC.

4924 SE 84TH STREET NEWTON KS 67114-8827 USA

NATTIER TRUSTS #1

15-079-20717-00-00

===========				
Part No	Description	Quantity	Discounted Unit Price	Discounted Total
CE0450	Cement Pump Charge 0 - 1500'	1.000	975.0000	975.00
CE0002	Equipment Mileage Charge - Heavy Equipment	20.000	4.6475	92.95
CE0711	Minimum Cement Delivery Charge	1.000	429.0000	429.00
CC5800A	Class A Cement - Sack	150.000	13.0000	1,950.00
CC5325	Calcium Chloride	450.000	0.8125	365.63
CC5965	Bentonite	300.000	0.1950	58.50
CC6075	Celloflake	75.000	1.3000	97.50
		SubTotal Af	ter Discount	3,968.58

Tax:

210.09

Total:

4,178.67

Amount Due 6,428.71 If paid after 04/17/19



5 AP 7 5-079-20717-00-00 LOCATION EL DOFAD.

LOCATION EL DOFADO. 185

PRESSURE PUMPING LLC PO Box 884, Chanute, KS 66720

118

FIELD TICKET & TREATMENT REPORT

DATE		1		CEMEN	1	11-0	(C-77- 10		" 4	-5
DATE	CUSTOMER#	WELL	NAME & NUMB	ER	SECTION	TOWNSHIP	RANGE	Tİ	cdi	YTNL
3-17-19 6	4285	ロルギュロ	Trusts	41	16	24	2	it	14	1004
CUSTOMER						, .		1	4	• .
PALONT WA	5	46M			TRUCK#	DRIVER	TRUCK#	+	DRI	VER
4924	C / G / 4	×			446	Bind		+	\dashv	
CITY	26 84	STATE	ZIP CODE		775	Jud	-	₩	\dashv	
-					725	KUZZY		11	_	
Newas		125	67114			<u> </u>			4	
OB TYPE_5 & i				HOLE DEPTH	710,	CASING SIZE & V	VEIGHT 85	18	+	5
ASING DEPTH		DRILL PIPE		TUBING		-	OTHER		+	
					k_6,>	CEMENT LEFT in	CASING Z		+	
ISPLACEMENT_						RATE	1.	+	1	11
EMARKS: 5 A	Gryn was	eding o.	· will	ACC! !	Staupa	1 PEO BN	stigh el	٠د ا	14	4,000
Pump 12	> 88L 4	Ad & B.	M: 4 150	Osks	Class'A	· 3900	<u>د , کم مح</u>	20	4)
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		- 12 24		•						
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						FU274	7 < YYU	,		
ACCOUNT	QUANITY (or UNITS	DES	CRIPTION of	SERVICES or PRO	DDUCT	UNIT PRICE	П	то	TAL
CGO 450			DUMP CHAPCE				150000	2 1	_	000
-	2		PUMP CHARGE				715	1.	242	200
(60007	A		MILEAGE	1 ,	N . N	(m: L)	66000	11,	7	300
	/	, I Topo	lois W.	14450	Dalinory	(m.r.)	660	0	60	
160711										
			- 1	'A 1				\parallel	+	ex
CC 5800A	150	05k5	Class				2000			
CC5820A	150	50*	Calcio	mchlo			1 35		00	2 50
C C 5325	154	00 *	Culcio	wchlo			130	5	90	2 50
CC 5965	154	50*	Calcio	wchlo			1 35	5	90	2 50
CC 5965	154	00 *	Culcio	wchlo			130	5	90	2 50
CC 5965	154	00 *	Culcio	wchlo		ح. د ط علما	130	1	90	2 55
CC 5965	154	00 *	Culcio	wchlo	961)	506 dolah	300 130	5	50	2 35
CC 5965	154	00 *	Culcio	wchlo	961)	5084841 disc	130	5	50	2 35
CC 5965	154	00 *	Culcio	wchlo	961)	d'isc	300 130	5	10	550
CC 5965	154	00 *	Culcio	wchlo	961)		300 130	5	10	550
CC 5965	154	00 *	Culcio	wchlo	961)	d'isc	300 130	5	10	550
CC 5965	154	00 *	Culcio	wchlo	961)	d'isc	300 130	5	10	550
CC 5965	154	00 *	Culcio	wchlo	961)	d'isc	300 130	5	10	550
CC 5965	154	00 *	Culcio	wchlo	961)	d'isc	300 130	5	10	550
CC 5800A	154	00 *	Culcio	wchlo	961)	d'isc	35%	6 2	100	2 550
CC 5965	154	00 *	Culcio	wchlo	961)	d'isc	35% 35%	6 2	100	550
CC 5800A CC 5325 CC 5965 CC 6075	154	00 *	Culcio	wchlo	961)	d'isc	35%	6 2	100	2 550

account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.



Prepared For:

Palomino Petroleum Co.

4924 SE 84th St Newton, KS 67114-8827

ATTN: Klee Watchous

Nattier Trusts #1

16-24S-2E Harvey, KS

Start Date:

2019.03.22 @ 18:42:00

End Date:

2019.03.23 @ 01:22:09

Job Ticket #: 63935

DST#: 1

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



Palomino Petroleum Co.

16-24S-2E Harvey, KS

Nattier Trusts #1

4924 SE 84th St New ton, KS 67114-8827

Job Ticket: 63935

DST#: 1

ATTN: Klee Watchous

Test Start: 2019.03.22 @ 18:42:00

GENERAL INFORMATION:

Formation:

Burgess Sand

Deviated:

No Whipstock: ft (KB)

Test Type:

Conventional Bottom Hole (Initial)

Tester:

Jimmy Ricketts

Unit No:

80

Interval:

2838.00 ft (KB) To 2860.00 ft (KB) (TVD)

Reference Elevations:

1439.00 ft (KB)

Total Depth:

2860.00 ft (KB) (TVD)

KB to GR/CF:

1433.00 ft (CF) 6.00 ft

Hole Diameter:

7.88 inches Hole Condition:

Serial #: 8369

Time Tool Opened: 20:58:50

Time Test Ended: 01:22:09

Outside

Press@RunDepth:

534.02 psig @

2839.00 ft (KB)

2019.03.23

Capacity:

8000.00 psig

Start Date: Start Time:

2019.03.22 18:42:01 End Date: End Time:

01:22:10

Last Calib .: Time On Btm: 1899.12.30

Time Off Btm:

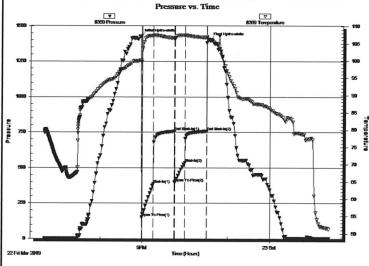
2019.03.22 @ 20:57:50 2019.03.22 @ 22:34:20

TEST COMMENT: IF - Strong blow throughout initial flow period. Built to 123"

IS - Weak surface blow back

FF - Weak blow building to strong blow 2 minutes into final flow period. Built to 75"

FS - 6" blow back



		Р	RESSUF	RE SUMMARY
	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
	0	1426.45	100.13	Initial Hydro-static
	1	150.16	99.72	Open To Flow (1)
	18	385.57	107.25	Shut-In(1)
	48	756.36	106.44	End Shut-In(1)
•	48	396.37	106.26	Open To Flow (2)
	62	534.02	107.35	Shut-In(2)
•	93	756.95	106.66	End Shut-In(2)
	97	1403.30	105.80	Final Hydro-static
				×
1				
- 1		N N		

Recovery

Length (ft)	Description	Volume (bbl)
940.00	GOSMCW 4%G 1%O 88%W 7%M	12.12
260.00	GVSO&HMCW 15%G 4%O 47%W 34	%M3.65
65.00	65' GIP	0.91

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



Palomino Petroleum Co.

16-24S-2E Harvey, KS

4924 SE 84th St

Job Ticket: 63935

Nattier Trusts #1

DST#: 1

ATTN: Klee Watchous

New ton, KS 67114-8827

Test Start: 2019.03.22 @ 18:42:00

GENERAL INFORMATION:

Formation:

Interval:

Burgess Sand

Deviated: No Time Tool Opened: 20:58:50

Time Test Ended: 01:22:09

Whipstock:

ft (KB)

Test Type:

Conventional Bottom Hole (Initial)

Tester:

Jimmy Ricketts

Unit No:

80

1439.00 ft (KB)

Reference Elevations:

1433.00 ft (CF)

Total Depth: Hole Diameter: 2860.00 ft (KB) (TVD)

2838.00 ft (KB) To 2860.00 ft (KB) (TVD)

7.88 inches Hole Condition:

KB to GR/CF:

6.00 ft

Serial #: 8846

Inside

Press@RunDepth:

psig @

2839.00 ft (KB)

Capacity:

8000.00 psig

Start Date:

2019.03.22

End Date:

2019.03.23 Last Calib .: 1899.12.30

Start Time:

18:42:01

End Time:

01:22:00

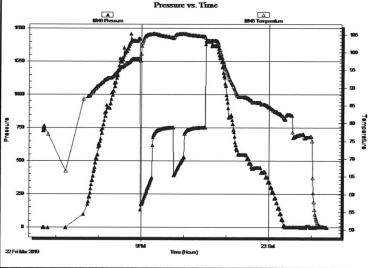
Time On Btm: Time Off Btm:

TEST COMMENT: IF - Strong blow throughout initial flow period. Built to 123"

IS - Weak surface blow back

FF - Weak blow building to strong blow 2 minutes into final flow period. Built to 75"

FS - 6" blow back



50			(LOCOI	C OOMINIATO
	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
i i				
Temperature				
3				
				

PRESSURE SUMMARY

Recovery

Length (ft)	Description	Volume (bbl)
940.00	GOSMCW 4%G 1%O 88%W 7%M	12.12
260.00	GVSO&HMCW 15%G 4%O 47%W 34%	M3.65
65.00	65' GIP	0.91

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

Trilobite Testing, Inc

Ref. No: 63935



TOOL DIAGRAM

Palomino Petroleum Co.

16-24S-2E Harvey, KS

4924 SE 84th St New ton, KS 67114-8827

Job Ticket: 63935

Nattier Trusts #1

DST#: 1

ATTN: Klee Watchous

Test Start: 2019.03.22 @ 18:42:00

Tool Information

Drill Pipe: Heavy Wt. Pipe: Length:

Length: 2716.00 ft Diameter:

3.80 inches Volume:

38.10 bbl

Tool Weight:

2500.00 lb

Drill Collar:

Length:

0.00 ft Diameter: 117.00 ft Diameter:

Diameter:

inches Volume: 2.25 inches Volume:

0.00 bbl 0.58 bbl Weight set on Packer: 20000.00 lb Weight to Pull Loose: 74000.00 lb

Tool Chased

5.00 ft

Total Volume: 38.68 bbl

String Weight: Initial 50000.00 lb Final 53000.00 lb

Depth to Bottom Packer:

Interval between Packers: Tool Length:

22.00 ft 51.00 ft

2

24.00 ft

ft

2838.00 ft

6.75 inches

Number of Packers:

Tool Comments:

Drill Pipe Above KB:

Depth to Top Packer:

Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
1.00			2810.00		
5.00			2815.00		
1.00			2816.00		
5.00			2821.00		
5.00			2826.00		
3.00			2829.00		
5.00			2834.00	29.00	Bottom Of Top Packer
4.00			2838.00		
1.00			2839.00		
0.00	8369	Outside	2839.00		
0.00	8846	Inside	2839.00		
16.00			2855.00		
5.00			2860.00	22.00	Bottom Packers & Anchor
_	1.00 5.00 1.00 5.00 5.00 3.00 5.00 4.00 1.00 0.00 0.00 16.00	1.00 5.00 1.00 5.00 5.00 3.00 5.00 4.00 1.00 0.00 8369 0.00 8846 16.00	1.00 5.00 1.00 5.00 5.00 3.00 5.00 4.00 1.00 0.00 8369 Outside 0.00 8846 Inside	1.00 2810.00 5.00 2815.00 1.00 2816.00 5.00 2821.00 5.00 2826.00 3.00 2829.00 5.00 2834.00 4.00 2838.00 1.00 2839.00 0.00 8369 Outside 2839.00 0.00 8846 Inside 2839.00 16.00 2855.00	1.00

Total Tool Length:

51.00

Trilobite Testing, Inc Ref. No: 63935 Printed: 2019.03.27 @ 16:58:26



FLUID SUMMARY

Palomino Petroleum Co.

16-24S-2E Harvey, KS

4924 SE 84th St New ton, KS 67114-8827

Job Ticket: 63935

Nattier Trusts #1

DST#: 1

ATTN: Klee Watchous

Test Start: 2019.03.22 @ 18:42:00

Mud and Cushion Information

Mud Type: Gel Chem

9.00 lb/gal

Cushion Type:

Oil API:

deg API

Mud Weight: Viscosity:

45.00 sec/qt

Cushion Length:

Water Salinity:

64000 ppm

Water Loss:

8.79 in³

Cushion Volume: Gas Cushion Type: ft bbl

Resistivity:

ohm.m

Gas Cushion Pressure:

psig

Salinity: Filter Cake: 1100.00 ppm inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
940.00	GOSMCW 4%G 1%O 88%W 7%M	12.120
260.00	GVSO&HMCW 15%G 4%O 47%W 34%M	3.647
65.00	65' GIP	0.912

Total Length:

1265.00 ft

Total Volume:

16.679 bbl

Num Fluid Samples: 0

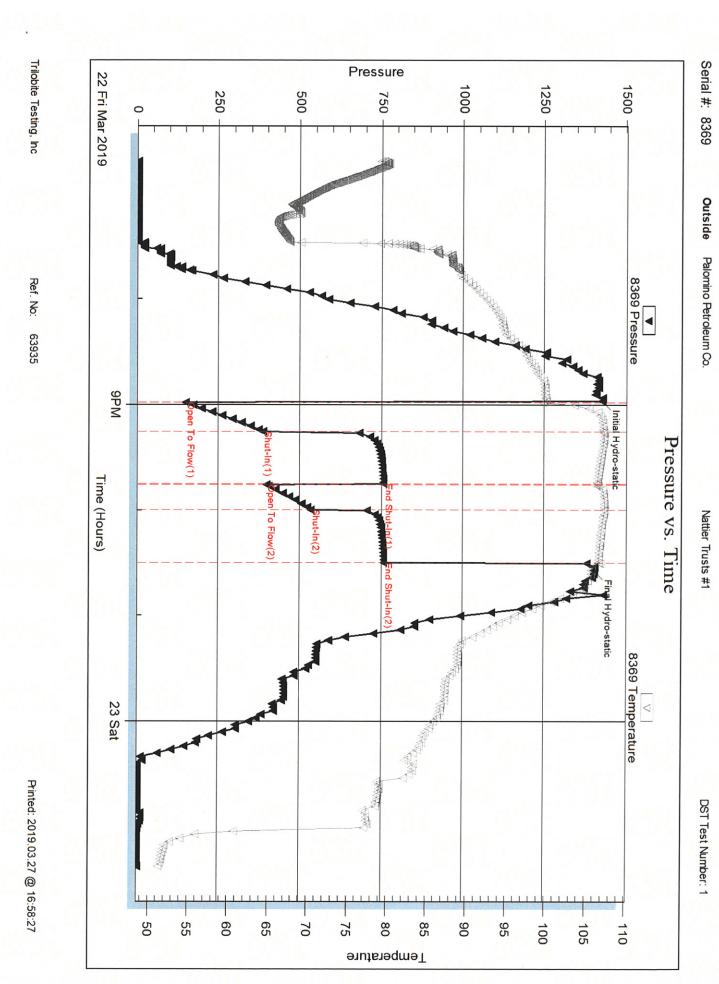
Num Gas Bombs:

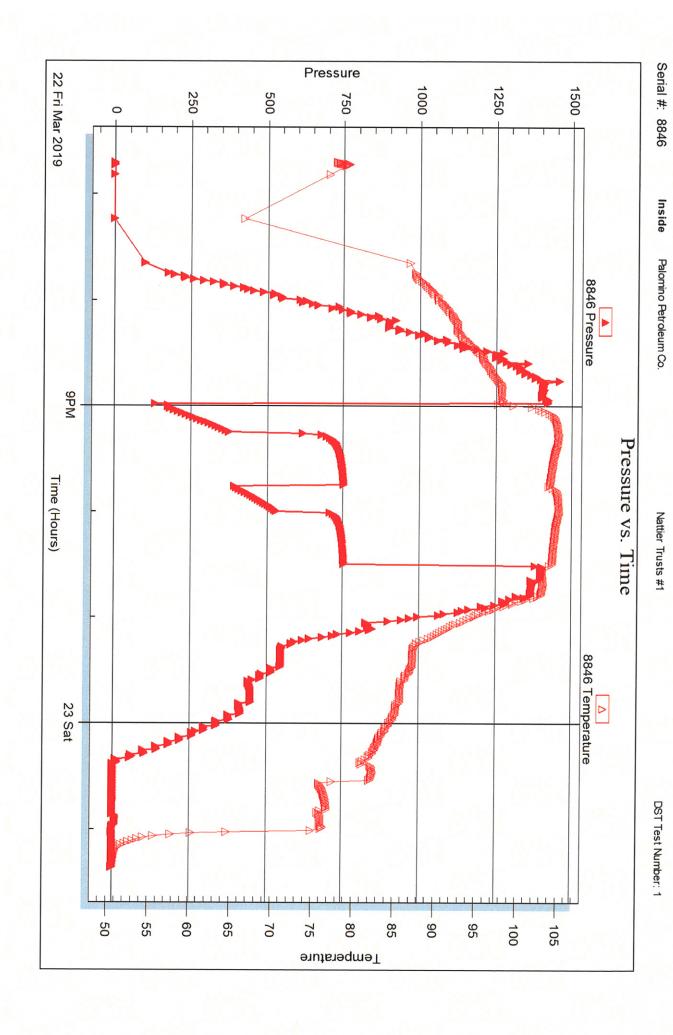
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





Trilobite Testing, Inc

Ref. No: 63935



Prepared For:

Palomino Petroleum Co.

4924 SE 84th St

Newton, KS 67114-8827

ATTN: Klee Watchous

Nattier Trusts #1

16-24S-2E Harvey, KS

Start Date: 2019.03.24 @ 06:58:00

End Date:

2019.03.24 @ 14:27:09

Job Ticket #: 63936

DST#: 2

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



Palomino Petroleum Co.

16-24S-2E Harvey, KS

4924 SE 84th St New ton, KS 67114-8827

Nattier Trusts #1

Job Ticket: 63936

DST#: 2

ATTN: Klee Watchous

Test Start: 2019.03.24 @ 06:58:00

GENERAL INFORMATION:

Time Tool Opened: 09:03:50

Time Test Ended: 14:27:09

Formation:

Hunton

Deviated:

No Whipstock:

ft (KB)

Test Type:

Conventional Bottom Hole (Initial)

Tester:

Jimmy Ricketts

Unit No:

3137.00 ft (KB) To 3232.00 ft (KB) (TVD)

3232.00 ft (KB) (TVD)

Reference Elevations:

1439.00 ft (KB)

KB to GR/CF:

1433.00 ft (CF) 6.00 ft

Total Depth: Hole Diameter:

Interval:

7.88 inches Hole Condition:

Serial #: 8369 Press@RunDepth:

Outside

81.47 psig @

3138.00 ft (KB)

2019.03.24

Capacity: Last Calib .: 8000.00 psig

Start Date: Start Time: 2019.03.24 06:58:01 End Date: End Time:

14:27:10

Time On Btm:

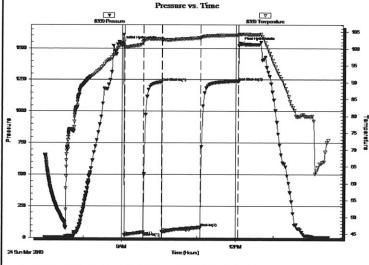
2019.03.24

Time Off Btm:

2019.03.24 @ 09:01:00 2019.03.24 @ 12:08:09

TEST COMMENT: IF - Weak blow building to 5"

FF - Weak blow building to 9"



	PRESSURE SUMMARY						
- 1	Time Pressure Temp		Temp	Annotation			
	(Min.)	(psig)	(deg F)				
	0	1538.40	100.99	Initial Hydro-static			
	3	20.79	100.45	Open To Flow (1)			
ł	33	43.96	102.16	Shut-In(1)			
	63	1230.55	102.91	End Shut-In(1)			
#	63	47.15	102.47	Open To Flow (2)			
Temperature	124	81.47	103.22	Shut-In(2)			
3	184	1236.01	104.02	End Shut-In(2)			
	188	1530.41	104.33	Final Hydro-static			
- 3							

DDECCLIDE CLIMMADY

Recovery

Length (ft)	Description	Volume (bbl)
80.00	OCM 17% O & 83% M	0.39
75.00	CO 100% O	0.72

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

Trilobite Testing, Inc. Ref. No: 63936 Printed: 2019.03.27 @ 16:56:06



Palomino Petroleum Co.

16-24S-2E Harvey, KS

Nattier Trusts #1

4924 SE 84th St

New ton, KS 67114-8827 Job Ticket: 63936

Test Start: 2019.03.24 @ 06:58:00

ATTN: Klee Watchous

GENERAL INFORMATION:

Formation:

Hunton

Deviated:

Whipstock: No

ft (KB)

Test Type:

Conventional Bottom Hole (Initial)

DST#: 2

Time Tool Opened: 09:03:50

Tester:

Jimmy Ricketts

Time Test Ended: 14:27:09

Unit No:

80

Interval:

3137.00 ft (KB) To 3232.00 ft (KB) (TVD)

Reference Elevations:

1439.00 ft (KB) 1433.00 ft (CF)

Total Depth: Hole Diameter: 3232.00 ft (KB) (TVD)

KB to GR/CF:

6.00 ft

7.88 inches Hole Condition:

Serial #: 8846

Inside

Press@RunDepth:

psig @

3138.00 ft (KB)

Capacity: 2019.03.24 Last Calib .: 8000.00 psig

Start Date:

2019.03.24

End Date: End Time:

Time On Btm:

1899.12.30

Start Time:

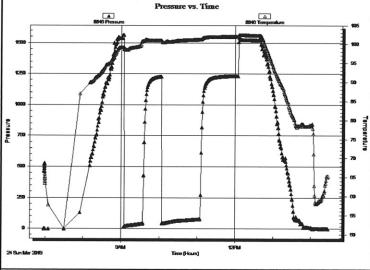
06:58:01

14:27:40

Time Off Btm:

TEST COMMENT: IF - Weak blow building to 5"

FF - Weak blow building to 9"



	PRESSURE SUMMARY							
	Time	Pressure	Temp	Annotation				
	(Min.)	(psig)	(deg F)					
18								
i i								
Temperature								
3								
		8						
- 1								

Recovery

Length (ft)	Description	Volume (bbl)
80.00	OCM 17% O & 83% M	0.39
75.00	CO 100% O	0.72

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

Trilobite Testing, Inc. Ref. No: 63936 Printed: 2019.03.27 @ 16:56:06



TOOL DIAGRAM

Palomino Petroleum Co.

16-24S-2E Harvey, KS

4924 SE 84th St New ton, KS 67114-8827

Nattier Trusts #1 Job Ticket: 63936

DST#: 2

ATTN: Klee Watchous

Test Start: 2019.03.24 @ 06:58:00

Tool Information

Drill Pipe: Heavy Wt. Pipe: Length:

Length: 3004.00 ft Diameter:

3.80 inches Volume:

42.14 bbl

Tool Weight:

2400.00 lb

Drill Collar:

Length:

0.00 ft Diameter: 117.00 ft Diameter:

Diameter:

inches Volume: 2.25 inches Volume:

Total Volume:

0.00 bbl 0.58 bbl 42.72 bbl Weight set on Packer: 20000.00 lb Weight to Pull Loose: 62000.00 lb

Tool Chased

1.00 ft

String Weight: Initial 53000.00 lb

Final 53000.00 lb

Drill Pipe Above KB:

12.00 ft 3137.00 ft

Depth to Top Packer: Depth to Bottom Packer: Interval between Packers:

ft 95.00 ft

2

123.00 ft

6.75 inches

Number of Packers: Tool Comments:

Tool Length:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			3110.00		
Shut In Tool	5.00			3115.00		
Hydraulic tool	5.00			3120.00		
Jars	5.00			3125.00		
Safety Joint	3.00			3128.00		
Packer	5.00			3133.00	28.00	Bottom Of Top Packer
Packer	4.00			3137.00		
Stubb	1.00			3138.00		
Recorder	0.00	8369	Outside	3138.00		
Recorder	0.00	8846	Inside	3138.00		
Perforations	23.00			3161.00		
Change Over Sub	0.50			3161.50		
Blank Spacing	64.00			3225.50		
Change Over Sub	0.50			3226.00		
Perforations	1.00			3227.00		
Bullnose	5.00			3232.00	95.00	Bottom Packers & Anchor
Total Tool Length	: 123.00					



FLUID SUMMARY

Palomino Petroleum Co.

16-24S-2E Harvey, KS

4924 SE 84th St

New ton, KS 67114-8827

ATTN: Klee Watchous

Nattier Trusts #1 Job Ticket: 63936

DST#: 2

Test Start: 2019.03.24 @ 06:58:00

Mud and Cushion Information

Mud Type: Gel Chem

9.00 lb/gal

Cushion Type:

Oil API:

27.5 deg API

Mud Weight: Viscosity:

45.00 sec/qt

Cushion Length: Cushion Volume: Water Salinity:

ppm

Water Loss:

7.99 in³

Gas Cushion Type:

bbl

ft

Resistivity:

Filter Cake:

Salinity:

ohm.m 1300.00 ppm inches

Gas Cushion Pressure: psig

Recovery Information

Recovery Table

Length Description Volume bbl 80.00 OCM 17% O & 83% M 0.393 75.00 CO 100% O 0.715

Total Length:

155.00 ft

Total Volume:

1.108 bbl

Num Fluid Samples: 0

Num Gas Bombs:

Serial #:

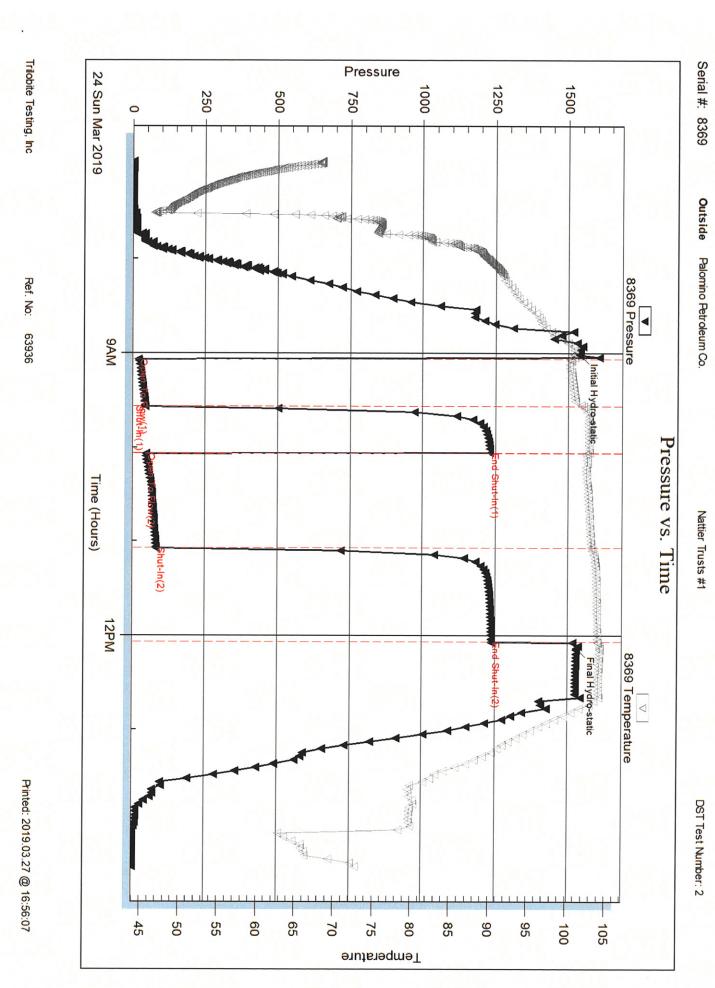
Laboratory Name:

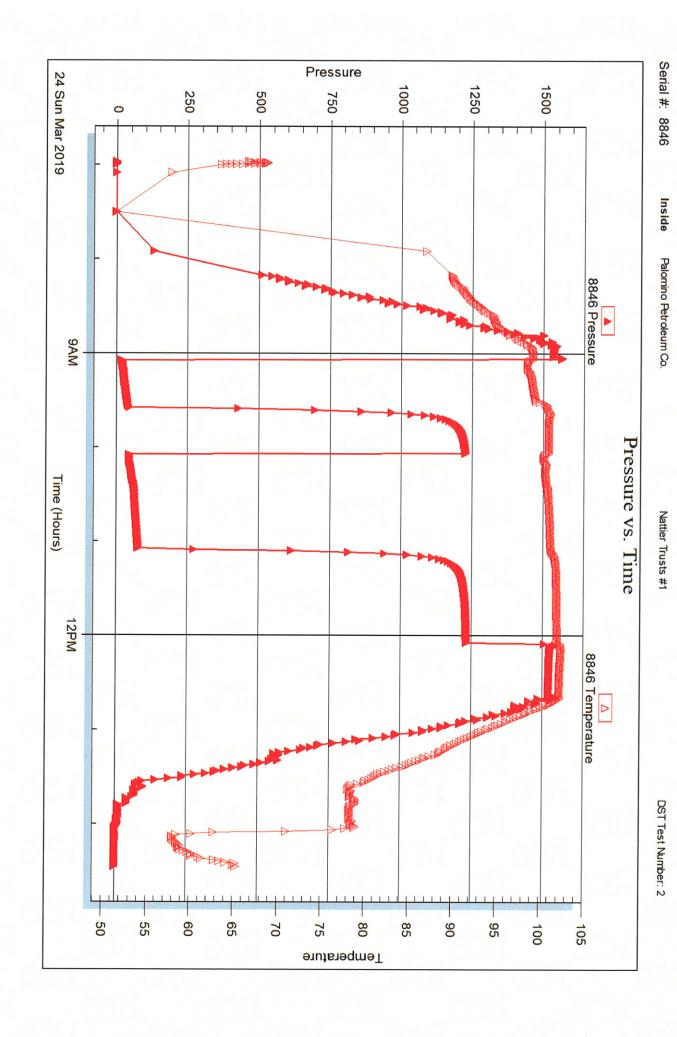
Laboratory Location:

Recovery Comments:

Trilobite Testing, Inc

Ref. No: 63936





Trilobite Testing, Inc

Ref. No: 63936



Prepared For: Palomino Petroleum, Co.

4924 SE 84th St

Newton, KS 67114-8827

ATTN: Klee Watchous

Nattier Trusts #1

16-24S-2E Harvey, KS

Start Date: 2019.03.24 @ 20:18:00

End Date:

2019.03.25 @ 04:09:00

Job Ticket #: 63937

DST#: 3

Trilobite Testing, Inc

1515 Commerce Parkway Hays, KS 67601

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



Palomino Petroleum, Co.

4924 SE 84th St New ton, KS 67114-8827

ATTN: Klee Watchous

16-24S-2E Harvey, KS

Nattier Trusts #1

Job Ticket: 63937 DST#: 3

Test Start: 2019.03.24 @ 20:18:00

GENERAL INFORMATION:

Time Tool Opened: 22:42:10

Time Test Ended: 04:09:00

Formation:

Interval:

Total Depth:

Hole Diameter:

Hunton

Deviated:

No Whipstock: ft (KB)

Test Type:

Conventional Bottom Hole (Initial)

Tester: Jimmy Ricketts

Unit No: 80

1439.00 ft (KB)

Reference Elevations:

1433.00 ft (CF)

KB to GR/CF:

6.00 ft

Serial #: 8369

Outside

3237.00 ft (KB) (TVD)

Press@RunDepth:

210.35 psig @ 2019.03.24

3137.00 ft (KB) To 3237.00 ft (KB) (TVD)

7.88 inches Hole Condition:

3138.00 ft (KB)

2019.03.25

Capacity: Last Calib .: 8000.00 psig

Start Date: Start Time:

20:18:01

End Date: End Time:

04:09:00

Time On Btm:

2019.03.24 2019.03.24 @ 22:37:40

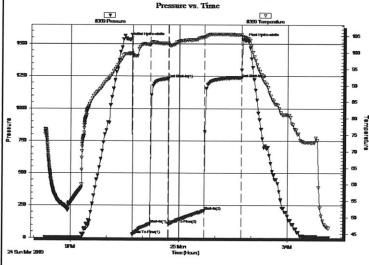
Time Off Btm:

2019.03.25 @ 01:49:00

TEST COMMENT: IF - Weak blow building to strong blow in 21 minutes. Built to 17"

FF - Weak blow building to strong blow in 20 minutes. Built to 38"

FS - 1/2" blow back



	PRESSURE SUMMARY							
	Time Pressure Temp			Annotation				
	(Min.)	(psig)	(deg F)					
	0	1532.73	99.59	Initial Hydro-static				
	5	25.33	99.15	Open To Flow (1)				
	35	108.99	102.37	Shut-In(1)				
	65	1230.22	102.66	End Shut-In(1)				
1	65	108.56	102.28	Open To Flow (2)				
Temperatur	125	210.35	104.50	Shut-In(2)				
3	186	1237.03	105.31	End Shut-In(2)				
	192	1526.68	104.45	Final Hydro-static				
-								
-								
1								

Recovery

Length (ft)	Description	Volume (bbl)
120.00	OCM 20% O 80% M	0.62
160.00	GOCM 8%G 13%O 79%M	2.24
165.00	CO 100% O	2.31

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

Trilobite Testing, Inc Ref. No: 63937 Printed: 2019.03.27 @ 16:50:43



Palomino Petroleum, Co.

4924 SE 84th St New ton, KS 67114-8827

ATTN: Klee Watchous

16-24S-2E Harvey, KS

Nattier Trusts #1

Job Ticket: 63937 DST#: 3

Test Start: 2019.03.24 @ 20:18:00

GENERAL INFORMATION:

Time Tool Opened: 22:42:10

Time Test Ended: 04:09:00

Formation:

Interval:

Total Depth:

Hole Diameter:

Hunton

Deviated:

No Whipstock: ft (KB)

Test Type: Conventional Bottom Hole (Initial)

Tester: Jimmy Ricketts

Unit No: 80

Reference Elevations:

1439.00 ft (KB)

6.00 ft

1433.00 ft (CF)

KB to GR/CF:

Serial #: 8846

Inside

3237.00 ft (KB) (TVD)

Press@RunDepth: Start Date:

psig @ 2019.03.24

3137.00 ft (KB) To 3237.00 ft (KB) (TVD)

7.88 inches Hole Condition:

3138.00 ft (KB)

2019.03.25

Capacity: Last Calib .: 8000.00 psig

Start Time:

20:18:01

End Date:

Time On Btm:

1899.12.30

End Time:

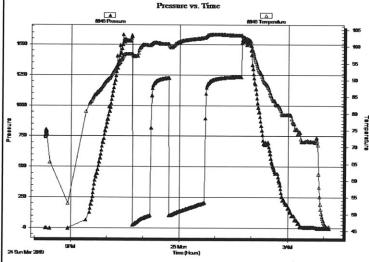
04:09:20

Time Off Btm:

TEST COMMENT: IF - Weak blow building to strong blow in 21 minutes. Built to 17"

FF - Weak blow building to strong blow in 20 minutes. Built to 38"

FS - 1/2" blow back



PRESSURE SUMMARY						
Time	Pressure	Temp	Annotation			
(Min.)	(psig)	(deg F)				

Recovery

Length (ft)	Description	Volume (bbl)
120.00	OCM 20% O 80% M	0.62
160.00	GOCM 8%G 13%O 79%M	2.24
165.00	CO 100% O	2.31

Gas Ra	ates		
	_		

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

Trilobite Testing, Inc Ref. No: 63937 Printed: 2019.03.27 @ 16:50:43



16-24S-2E Harvey, KS

4924 SE 84th St

New ton, KS 67114-8827

ATTN: Klee Watchous

Palomino Petroleum, Co.

Nattier Trusts #1

Job Ticket: 63937

DST#: 3

TOOL DIAGRAM

Test Start: 2019.03.24 @ 20:18:00

Tool Information

Drill Pipe: Heavy Wt. Pipe: Length:

Length: 3004.00 ft Diameter:

0.00 ft Diameter: 117.00 ft Diameter: 3.80 inches Volume: inches Volume:

Total Volume:

42.14 bbl 0.00 bbl 2.25 inches Volume: 0.58 bbl Tool Weight: Weight set on Packer: 20000.00 lb

2400.00 lb

42.72 bbl Tool Chased

Weight to Pull Loose: 60000.00 lb

1.00 ft

String Weight: Initial 53000.00 lb

Final 54000.00 lb

Drill Collar: Length: Drill Pipe Above KB:

12.00 ft

Depth to Top Packer: Depth to Bottom Packer:

3137.00 ft ft 100.00 ft

Interval between Packers: Tool Length: Number of Packers:

128.00 ft 2 Diameter:

6.75 inches

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			3110.00		
Shut In Tool	5.00			3115.00		
Hydraulic tool	5.00			3120.00		
Jars	5.00			3125.00		
Safety Joint	3.00			3128.00		
Packer	5.00			3133.00	28.00	Bottom Of Top Packer
Packer	4.00			3137.00		
Stubb	1.00			3138.00		
Recorder	0.00	8369	Outside	3138.00		
Recorder	0.00	8846	Inside	3138.00		
Perforations	28.00			3166.00		
Change Over Sub	0.50			3166.50		
Blank Spacing	64.00			3230.50		
Change Over Sub	0.50			3231.00		
Perforations	1.00			3232.00		
Bullnose	5.00			3237.00	100.00	Bottom Packers & Anchor
Total Tool Length	: 128.00					

Trilobite Testing, Inc

Ref. No: 63937



FLUID SUMMARY

Palomino Petroleum, Co.

16-24S-2E Harvey, KS

4924 SE 84th St

New ton, KS 67114-8827

Nattier Trusts #1 Job Ticket: 63937

DST#: 3

Test Start: 2019.03.24 @ 20:18:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight:

Water Loss:

Viscosity:

9.00 lb/gal

49.00 sec/qt

8.79 in³ ohm.m

Resistivity: Salinity: 1300.00 ppm Filter Cake: inches Cushion Type:

Cushion Length: Cushion Volume:

ft

Water Salinity:

Oil API:

26.3 deg API ppm

bbl

Gas Cushion Type:

Gas Cushion Pressure:

psig

Recovery Information

Recovery Table

Length Description Volume bbl 120.00 OCM 20% O 80% M 0.617 160.00 GOCM 8%G 13%O 79%M 2.244 165.00 CO 100% O 2.315

Total Length:

445.00 ft

Total Volume:

5.176 bbl

0

Num Fluid Samples: 0

Num Gas Bombs:

Serial #:

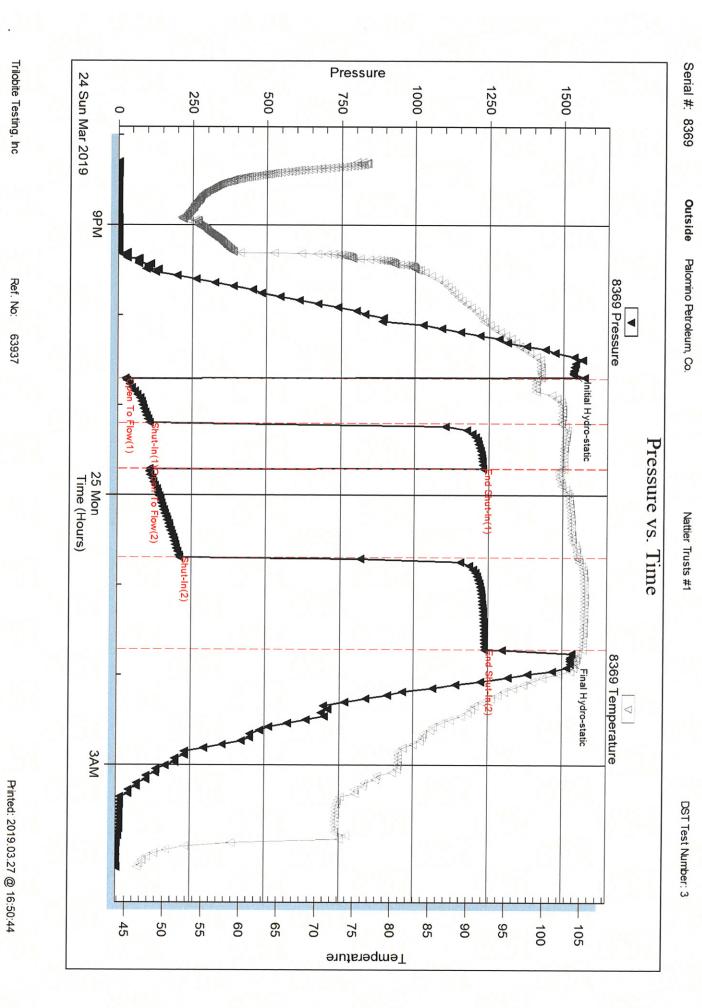
Laboratory Name:

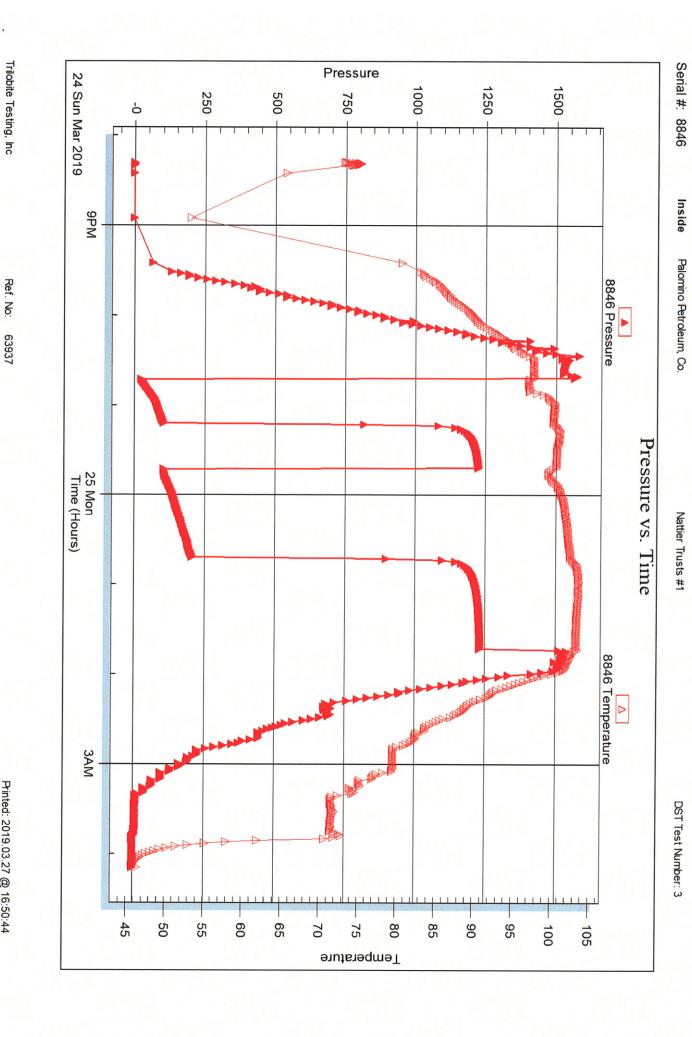
Laboratory Location:

Recovery Comments:

Trilobite Testing, Inc

Ref. No: 63937







RILOBITE ESTING INC.

Test Ticket

1515 Commerce Parkway • Hays, Kansas 67601

No. 63935

Well Name & No. Nattier Trus	f 5 _# Test No	1 Date 3-22-19
Company 4727 SE Palonin	1001110.	.10
Address 4924 SE 84 th	Street Newton, Ks	439 KB 1433 GL 6 G 7114 - 8827
Co. Rep/Geo. Klee Watchons/Eli	Felts Rig WW	Drilling # 4
Location: Sec. 16 Twp 245	nig so w	3
Interval Tested 2836 - 2860		Sand
Anchor Length 22 1	Drill Pipe Run 2716	
Top Packer Depth 2833	Drill Collars Run 117	Mud Wt. 9.4 Vis 4.5
Bottom Packer Depth 2638	Wt. Pipe Run	6.0
Total Depth 2860	11.50	
Blow Description IF - Strong Blow	1 0 00	1 4
FF weak blow building	to d. 11 2	The rest of
Building to 75	Inches FFA.	mins, into FEP
FS-6 inch blow back		Fluid Samples - 15psits
Rec 940 Feet of GSSM		1 08 7
Rec 260 Feet of Cassy VSO+	Mch 15 %gas	4 47 34
Rec 65 Feet of Gas in P		Zamed
Rec Feet of	%gas	O/ - II
Rec Feet of	%gas	
Rec Total 1200 BHT 107	_ Gravity API RW 0.147 @	564 64 000
(A) Initial Hydrostatic 142 (Test 1200	T-On Location 1800 ppm
(B) First Initial Flow	Jars 250	T-Started 1842
(C) First Final Flow386	Safety Joint 75	T-Open 2059
(D) Initial Shut-In 756	☐ Circ Sub	T-Pulled 2230
(E) Second Initial Flow396	☐ Hourly Standby	T-Out 0136
(F) Second Final Flow534	Mileage 194rt RT 52	Comments
(G) Final Shut-In 757	Sampler 250 NC	
(H) Final Hydrostatic <u>(403</u>	☐ Straddle	
	☐ Shale Packer	☐ Ruined Shale Packer
nitial Open	☐ Extra Packer	Ruined Packer
nitial Shut-In3 o	☐ Extra Recorder	Extra Copies
Final Flow	Day Standby	Sub Total 0 Total 1719
Final Shut-In	Accessibility	
	Sub Total 1719	MP/DST Disc't
Approved By	Our Representative	Jums 11/2 keth

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 hote shall be paid for all cost by the party for whom the test is made.

FLUID SAMPLER DATA

FLUI	U SA	MPLER DA	ΓΑ		
Ticket No. 63935 Company Name Palomino Petr		Date _	3-2	2-19	
Company Name Palomino Petr	0/4	Zum.	(0.		
Lease rattier trusts	4	Test No.	1		
County Harvey		Sec. Lb	Twp.	245 Rng.	RE
SAMPLER RECOVERY			PIT MUI	O ANALYSIS	
Gas	_ ML	Chlorides	1100		ppm.
Oil	_ ML	Resistivity_		ohms @	F.
Mud	_ ML	Viscosity	45		
Water5	_ ML	Mud Weight	9.4		
Other	М	Filtrate	8.8		
Pressure 15 P ₅	[m	Other			
Total	_ ML				
SAMPLER ANALYSIS			PIPE RI	COVERY	
Resistivity ohms @	F	ТОР			
Chlorides		Resistivity _		ohms @	F
Chlorides p	opm.	Chlorides _			ppm.
		MIDDLE			
Gravity corrected @	60F	Resistivity		_ ohms @	F
		Chlorides			ppm.
		воттом			
			-	_ ohms @	- F



RILOBITE ESTING INC.

1515 Commerce Parkway - Hays, Kansas 67601

Test Ticket

No. 63936

4/10 ***/					
Well Name & No. Nattier Tompany Palamina Petrol.	rusts #1	_ Test No	2 Da	1/12 3	-19
Address 4924 SE 84+	1 ~	_ Elevation _ L	_		UL
	711			114-882	
	() =	Rig Wi	1	L	-
	4.1	o. Har	very	State	<u>></u>
Interval Tested 3137 - 3232	Zone Tested Hu	-			
Anchor Length 95'	Drill Pipe Run		Mud	Wt. 93	
Top Packer Depth 3132	Drill Collars Run	(1)	Vis _	45	
Bottom Packer Depth 3 137	Wt. Pipe Run	0	WL_	8.0	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
Total Depth 3 2 32	Chlorides	ppm S	ystem LCM		
Blow Description IF- Weak blows	building to !	Inches	IFP		
FF- weak blow building	to 9 inches	FFP			
					12.1 (2)
Rec 80 Feet of Oil Cut	Mud	%gas /	%oil	%water 8	3 %mud
Rec 75 Feet of Clear 0:		%gas	%oil	%water	%mud
Rec Feet of		%gas	%oil	%water	%mud
Rec Feet of		%gas	%oil	%water	%mud
Rec Feet of		%gas	%oil	%water	%mud
Rec Total 155 BHT 104	Gravity 27.5 API	RW@	°F Chlor		The sale of the
(A) Initial Hydrostatic1536	Test1300			054	Sppm
(B) First Initial Flow 2 /	☑ Jars 250			0658	
(C) First Final Flow	Safety Joint 75		T-Open		.: ::::::::::::::::::::::::::::::::::::
(D) Initial Shut-in	Circ Sub		T-Pulled	2 - /	
E) Second Initial Flow	Hourly Standby		T-Out	1438	
F) Second Final Flow 8/	Mileage 52	1/13	Comments		
G) Final Shut-In 1236					
H) Final Hydrostatic	☐ Sampler	200	A. H.		
	Straddle		Ruined Sh	ale Packer	
nitial Open30	Shale Packer		☐ Ruined Page	cker	
nitial Shut-In30	C Extra Packer		☐ Extra Copie	es	
inal Flow	Extra Recorder		Sub Total (· · · · · · · · · · · · · · · · · · ·	
inal Shut-In	Day Standby		Total 167		
A si A la	Accessibility		MP/DST Disc	't	
and By U' It felk	Sub Total 1677		- A'	10	
pproved By	Our Repr	esentative	my 116	rell	

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.



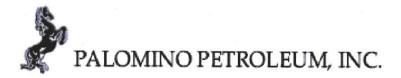
ESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 63937

Well Name & No. Nattier Tru	5†5 # \ Test No	3 Date 3-24-19
Company Balowine Petrole		1439 KB 1433 GL
Address 4924 SE 84 th	Street, Newton,	Ks. 67114-8827
Co. Rep/Geo. Klee Watchous /	Elia Felts Rig Wil	A
Location: Sec. 16 Twp 245	Rge. 2 E co. Harv	And the second s
Interval Tested 3137 - 3237	Zone Tested Hunton	
Anchor Length	Drill Pipe Run _3004	Mud Wt. 9,3
Top Packer Depth 3132	Drill Collars Run 117	Vis 49
Bottom Packer Depth 3/37	Wt. Pipe Run	WL 8,8
Total Depth 32 37		System LCM
Blow Description IF - weak blow	1 1 4	w 21 mins. into IFP.
Continuing to build to	17 Inches IFP.	70.00.100
FF- Leak How building to		s. into FFF. Continuing
build to 38 inches F		back during FSA.
Rec 120 Feet of Oil cat		20 %oil %water 80%mud
Rec (60 Feet of Cassy oil		3 %oil %water 79%mud
5- 1/5		%oil %water %mud
RecFeet of	%gas	%oil %water %mud
RecFeet of	%gas	%oil %water %mud
Rec Total 445 BHT 105	Gravity 26.3 API RW @	NAME OF THE PROPERTY OF THE PR
(A) Initial Hydrostatic	Test 1300	T-On Location 1938
(B) First Initial Flow 25	☑ Jars 250	T-Started 2018
(C) First Final Flow	Safety Joint 75	T-Open 2242
(D) Initial Shut-In	☐ Circ Sub	T-Pulled 0143
(E) Second Initial Flow	Hourly Standby	T-Out 0430
(F) Second Final Flow 210	Mileage 104 RT 52	Comments 7 ! 30 pm
(G) Final Shut-In	☐ Sampler	loaded tools 3/26 17:30
(H) Final Hydrostatic 1527	☐ Straddle	
	☐ Shale Packer	Ruined Shale Packer
Initial Open	Extra Packer	Ruined Packer
Initial Shut-In	☐ Extra Recorder	Extra Copies
Final Flow 60	□ Day Standby	Sub Total 0 Total 1729
Final Shut-In 6	□ Accessibility	MP/DST Disc't
()-116	Sub Total 1729	A DISCI
Approved By U Leves	Our Representative	Jing Olikette
Trilobite Testing Inc. shall not be liable for damaged of any kind of the property of equipment, or its statements or opinion concerning the results of any test, tools	or nomennal of the and four to the state of	



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

Well Name: Nattier Trusts #1 API: 15-079-20717

Location: N2 - SW - SE _ Sec. 16 Twp. 24S Rge. 2E License Number: 30742

Region: Ness County, KS

Spud Date: 3/17/2019

Drilling Completed: 3/26/2019

Surface Coordinates: 426' FSL & 2310' FEL

Bottom Hole Same as surface coordinates

Coordinates:

Ground Elevation (ft): 1434'

K.B. Elevation (ft): 1439'

Logged Interval (ft): 1500'

To: 3500'

Total Depth (ft): 3500'

Formation: Arbuckle @ RTD

Type of Drilling Fluid: Mud-Co. Chemical Drispac

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

LOG TOPS

OPERATOR

Company: Palomino Petroleum, Inc.

Address: 4924 SE 84th St.

Newton, KS 67114

GEOLOGIST

Name: Eli J. Felts

Company: Gravity Oil, LLC

Address: 954 Prairie Park Road

Wichita, KS 67218

E: ejfelts47@gmail.com, C: 316.204.5059

Formation Tops

SAMPLE TOPS

Heebner	1959 (-520)	Heebner	1958 (-519)
Brown Lime	2143 (-704)	Brown Lime	2142 (-703)
Lansing	2212 (-773)	Lansing	2211 (-772)
Stark	2556 (-1117)	Stark	2553 (-1114)
B/KC	2610 (-1171)	B/KC	2608 (-1169)
Warmaton	2668 (-1229)	Marmaton	2662 (-1229)
Altamont	2770 (-1331)	Altamont	2666 (-1327)
Pawnee	2798 (-1359)	Pawnee	2795 (-1356)
Ft. Scott	2826 (-1387)	Ft. Scott	2822 (-1383)
Cherokee Shale	2839 (-1400)	Cherokee Shale	2836 (-1397)
Burgess Sand	2855 (-1416)	Burgess Sand	2852 (-1413)
Vississippian	2916 (-1477)	Mississippian	2916 (-1477)
Cinderhook	3138 (-1699)	Kinderhook	3137 (-1698)
lunton	3228 (-1789)	Hunton	3228 (-1789)
Vlaguoketa .	3285 (-1846)	Maguoketa	3284 (-1845)
/iola	3312 (-1873)	Viola	3312 (-1873)
Simp Sand	3359 (-1920)	Simp Sand	3359 (-1920)
Simp Shale	3377 (-1938)	Simp Shale	3377 (-1938)
Arbuckle	3421 (-1982)	Arbuckie	3421 (-1982)
RTD	3500 (-2061)	RTD	3499 (-2060)
			(====)

Drilling Report

Moved in WW Drilling, L.L.C. rotary tools (Rig #4). Spudded at 5:45 p.m. Ran surface casing. Plug down at 12:00 a.m. 3/18/19

3/18/19

Waiting on cement.

3/19/19

Drilling @ 1533'

3/20/19

Drilling @ 2035'

Ran Gyro survey to check hole deviation.

3/21/19

Drilling @ 2310'

3/22/19

3/22/19 Drilling @ 2705' **DST #1** 3/23/19 Drilling @ 2920' 3/24/19 **DST #2** 3/25/19 **DST #3** 3237' (welding on flow nipple) 3470' (drilling rat-hole) Logged well 3/27/19 Ran 5.5" 15.5# Oil String of Casing

Drill Stem Tests

DST #2 Hunton

DST #1 Burgess Sand Interval: 2838'-2860' (22') Anchor 15-30-15-30 IF: sb built to 123" ISI: wk sfc bb FF: built to 75" FSI: 6" bb SIP: 756-757# IF: 150-386# FF: 396-534# Hydrostatic: 1426-1403#

BHT: 107 F

RW: 0.147 @ 56.4 Deg

Recovery: 1200'

65' GIP

260' GVSO&HMCW (15% G 4% O 47% W 34% M) 940' GOSSMCW (4% G 1% O 88% W 7% M)

Interval: 3137'-3232' (95') Anchor 30-30-60-60 IF: wb built to 5" ISI: no bb FF: wb built to 9" FSI: no bb SIP: 1231-1236# IF: 21-44# FF: 47-81#

Hydrostatic: 1538-1530#

BHT: 104 F

Grav: 27.5 API @ 60 Degrees

Recovery: 155' TF

75' CO

80' OCM (17% O 83% M)

DST #3 Hunton Interval: 3137'-3237' (100') Anchor

30-30-60-60 IF: built to 17" ISI: no bb FF: built to 38" FSI: 1/2" surface bb

SIP: 1230-1237# IF: 25-109# FF:109-210#

Hydrostatic: 1533-1527#

BHT: 105

Grav: 26.3 API @ ambient Degrees

Recovery: 445' TF

165' CO

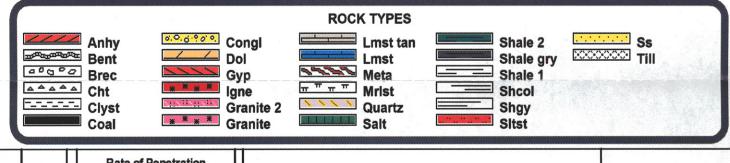
160' GOCM (8%G 13%O 79%M) 120' OCM (20% O 80%M)

Pipe Setting

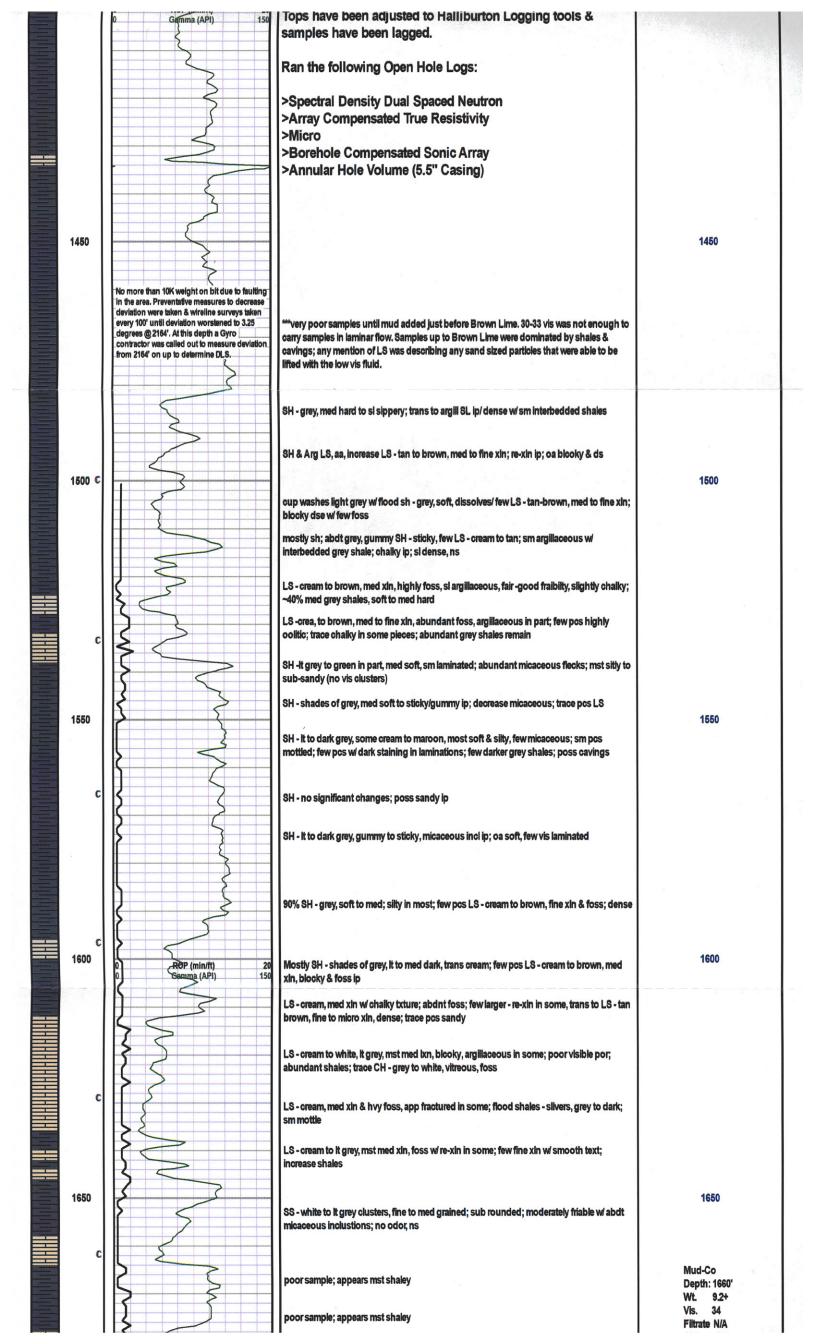
3/17/2019

Ran 5 jts. new 8 5/8" 23# surface pipe set at 218' and cemented w/ 170 sacks Class A, 2% gel, 3%c.c . Cement did circulate. Plug down at 12:00 a.m. on 3/18/19

Ran 84 jts. new 5.5" 15.5# Range 3 casing set 8' off bottom @ 3492'. Pumped 500 gal. mud flush with additives followed by 20 bbls. KCL water and cemented w/ 200 sacks SMD cement & 100 sacks EA-2 cement. Pugged rathole w/ 30 sacks SMD cement. Plug down @ 2:15 p.m. Baskets @ 3365' & 1651'. Centralizers at 3408', 3365', 3280', 3237', 3200', 3157', 3085', 2999', 2919', 1651'. Shoe joint = 42.45'.



Rate of Penetration ROP (min/ft) Gamma (API) DSTs/Mud/Surveys, etc. **Geological Descriptions** tholo 9 ROP (min/ft) Tons have been adjusted to Halliburton Logging tools &



Second Seesan meteorogical policies Relation control Seesan policies Seesan meteorogical	3. 357	3		Filtrate N/A Chi 1,700 LCM TRC
COM ANTONIO DO COME. CONTROLLO DE COMPANIO DE COMPANI			pqs; few cream LS - med xin & abundant shales; v. fine cuttings	
MOCRANIC SCHOOLS RESUMMENTATIONS RECORDS SCHOOLS RECORDS SCHOOLS RECORDS SCHOOLS RECORDS SCHOOLS RECORDS RECORDS RECORDS RECORDS RECORDS RECORDS	1700		pqs; abdundant fines; LS - cream to tan, brown & varioolored shales	1700
SCHOOLS SCHOOL SCHOOL SCHOOLS				
and contractions.			pqs; abdundant fines; LS - cream to tan, brown & varicolored shales	
MANAGER SONGER MONOMERCONING ANGELOW RECORD MONOMERCONING MONOMERCONING MONOMERCONING MONOMERCONING	С	\$ 5		
Hyperical Solitons Hyperical Solitons Hyperical Solitons			SH - varicolored as above, few darker, sub carb	
MOCRANIA FICANCIA	1750		SH - aa , few clusters SS - app grey to white, fn-md grnd, sub rounded; gd friabilty; mst barren w/ few mic & gluac inclusions	1760
Ministrato Considera Securitaria Instituta Alexandra Ministrato Alexandra Ministrato Ministrato br>Ministrato Min	С		SH - varicolored; mottled in some, most soft to med to firm in part	
MAGADASA PARAMAN PARAMANANANANAN REPERMINING PARAMAN REPERMINING P			SH - varicolored; mst green, grey, maroon, sm mottled, soft to friable in some, few dark grey	
MARINE DESIGNATION OF THE PROPERTY OF THE PROP			>90% SH, varicolored; trace fine cuttings is, etc on edges	
Addition a common	С		very poor sample; primarily shale cavings & sub-sand sized cuttings of LS, etc; check VIS	
REPORTED FORMALIS DESCRIPTION OF PROTECTION DESCRIPTION OF PROTECTION AVAILABLE SERVICES REPORTED FORMALIS REPORTED FORMAL	1800	0 ROP (min/ft) 20 0 Gamma (API) 150	LS - cream to white; abdundant shales; very poor sample LS - cream & others, few ss; abundant shales, varicolored. Cuttings v. fine	1800
SECRETARION DE COMPANION DE COM		3	Mostly shales; few LS -cream, grey, few yellow-soft & chalky; few foss, partial re-xin; very poor sample	
	С		pqs, v. fine cuttings; flood shales & limes, few sandy	3
	V	5	as above	
	1850 C		pqs; increase LS -white to cream, foss ip, sm ooc w/ partial staining; abundant shales	1860
PORTORIO DI PORTOR			v. fine cuttings; LS - cream, sm occ, few staining; abundant shales	
		\$ 5	PQS v. fine cuttings; LS - cream, sm occ, few staining; abundant shales	
	С	3	varicolored shales; few v. fine LS & SS cuttings	
		7	99% SH - grey - green, minute trace LS - white, fine xin	
	1900		99% SH	1900
			99% SH	
ROBERTS ADDRESS SECTIONS OF THE SECTION OF THE SECT	C			
Manager Manager Manager Manager Manager Manager Manager Manager Manager Manager Manager Manager Manager Manager Manager Manager Manager Mana				
Mariana primara primara primara primara primara primara primara	1950 C		Mostly SH - few LS - cream to white, fine to med xin, some re-xin; friable to chalky, ques stain	1950

