KOLAR Document ID: 1418478

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
Address 2:		Feet from North / South Line of Section
City: Sta	ate:	Feet from
Contact Person:		Footages Calculated from Nearest Outside Section Corner:
Phone: ()		□NE □NW □SE □SW
CONTRACTOR: License #		GPS Location: Lat:, Long:
Name:		(e.g. xx.xxxxxx) (e.gxxx.xxxxxxx)
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 ☐ DH	☐ SWD	Elevation: Ground: Kelly Bushing:
	GSW	Total Vertical Depth: Plug Back Total Depth:
CM (Coal Bed Methane)		Amount of Surface Pipe Set and Cemented at: Fee
	, Expl., etc.):	Multiple Stage Cementing Collar Used? Yes No
If Workover/Re-entry: Old Well Info		If yes, show depth set: Fee
Operator:		If Alternate II completion, cement circulated from:
Well Name:		feet depth to: sx cm
	Original Total Depth:	
□ Deepening□ Re-perf.□ Plug Back□ Liner	Conv. to EOR Conv. to SWD Conv. to GSW Conv. to Producer	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
O constituted	Describ #	Chloride content: ppm Fluid volume: bbls
☐ Commingled	Permit #:	Dewatering method used:
☐ Dual Completion☐ SWD	Permit #:	
☐ EOR	Permit #:	Location of fluid disposal if hauled offsite:
☐ GSW	Permit #:	Operator Name:
3011		Lease Name: License #:
Spud Date or Date Rea	ahad TD Completion Date 27	Quarter Sec TwpS. R
Recompletion Date	ched TD Completion Date or 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: 1418478

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	acks Used 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.	Set	n.	i donei Al.				

Form	ACO1 - Well Completion			
Operator	Casino Petroleum, LLC			
Well Name	HERTER 4			
Doc ID	1418478			

All Electric Logs Run

Dual Comp Porosity Log
Dual Induction log
Computer processed Interpretation
Borehole Compensated Sonic Log
Radial Bond Log with gamma Ray
Microresistivity Log

Form	ACO1 - Well Completion			
Operator	Casino Petroleum, LLC			
Well Name	HERTER 4			
Doc ID	1418478			

Tops

Name	Тор	Datum
Anhydrite	504	+1278
B. Anhydrite	526	+1256
Heebner	2914	-1132
Toronto	2933	-1151
Douglas	2948	-1166
Brown Lime	3043	-1261
Lansing	3061	-1279
Arbuckle	3295	-1513
RTD	3400	-1618
LTD	3393	-1611

Form	ACO1 - Well Completion			
Operator	Casino Petroleum, LLC			
Well Name	HERTER 4			
Doc ID	1418478			

Casing

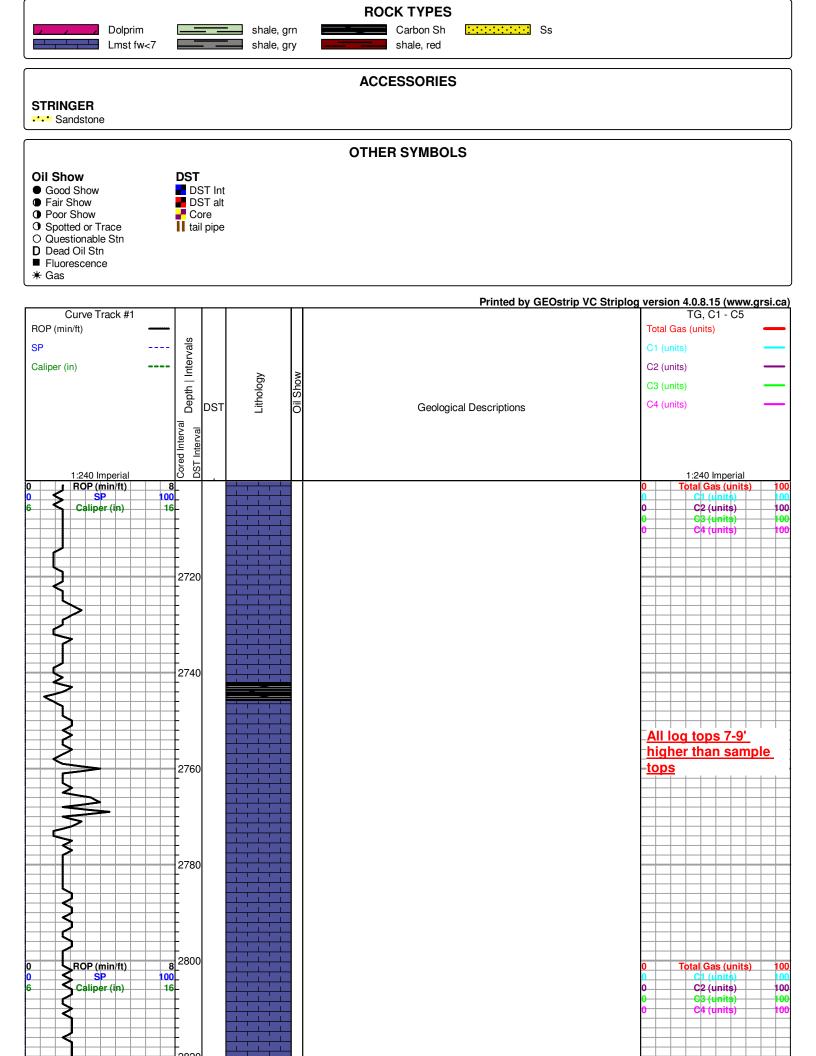
Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement		Type and Percent Additives
Surface	12.75	8.625	23	275	common	300	60/40poz 2% gel
Production	7.875	5.5	1	3393	common	125	60/40 poz 12%gel 12% sal;t 5#sk Gilsonite

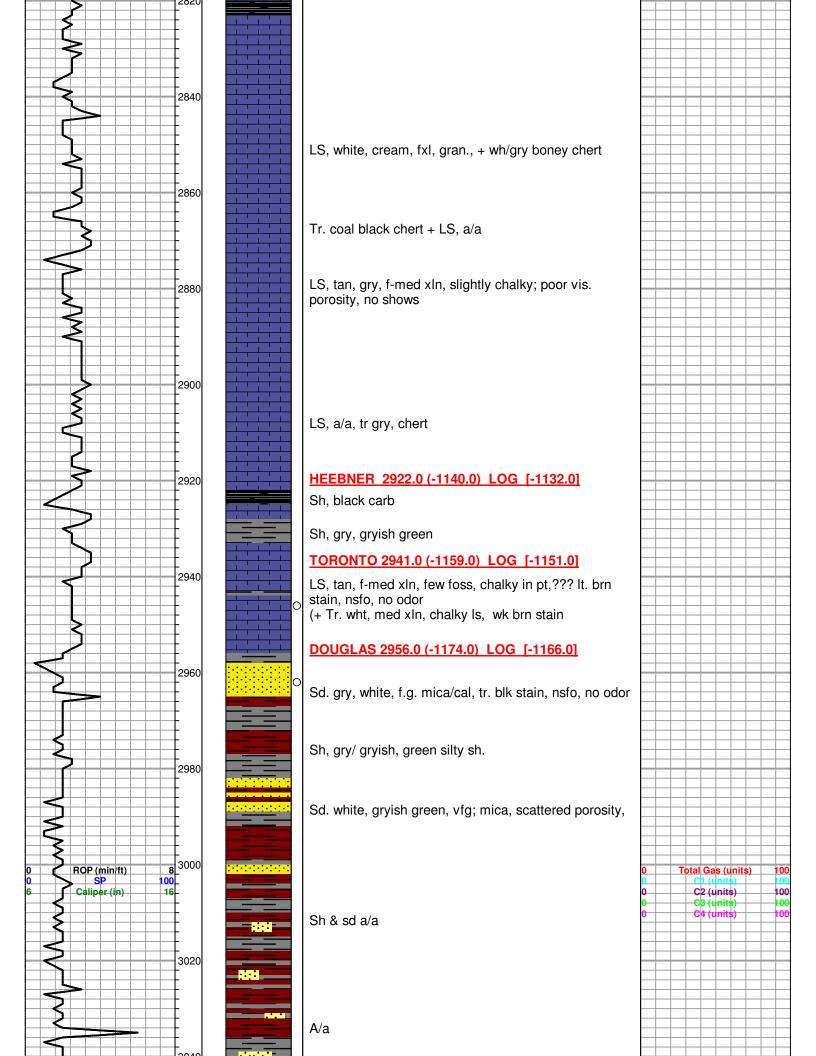


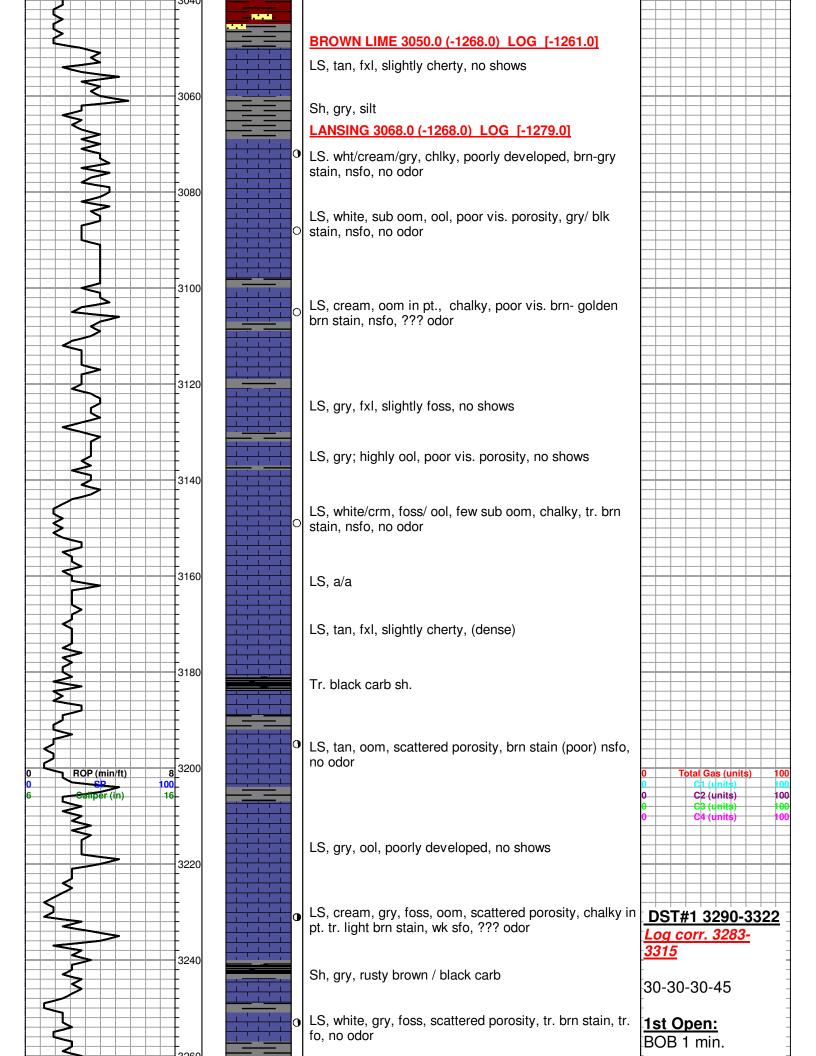
GEOLOGIST'S REPORT

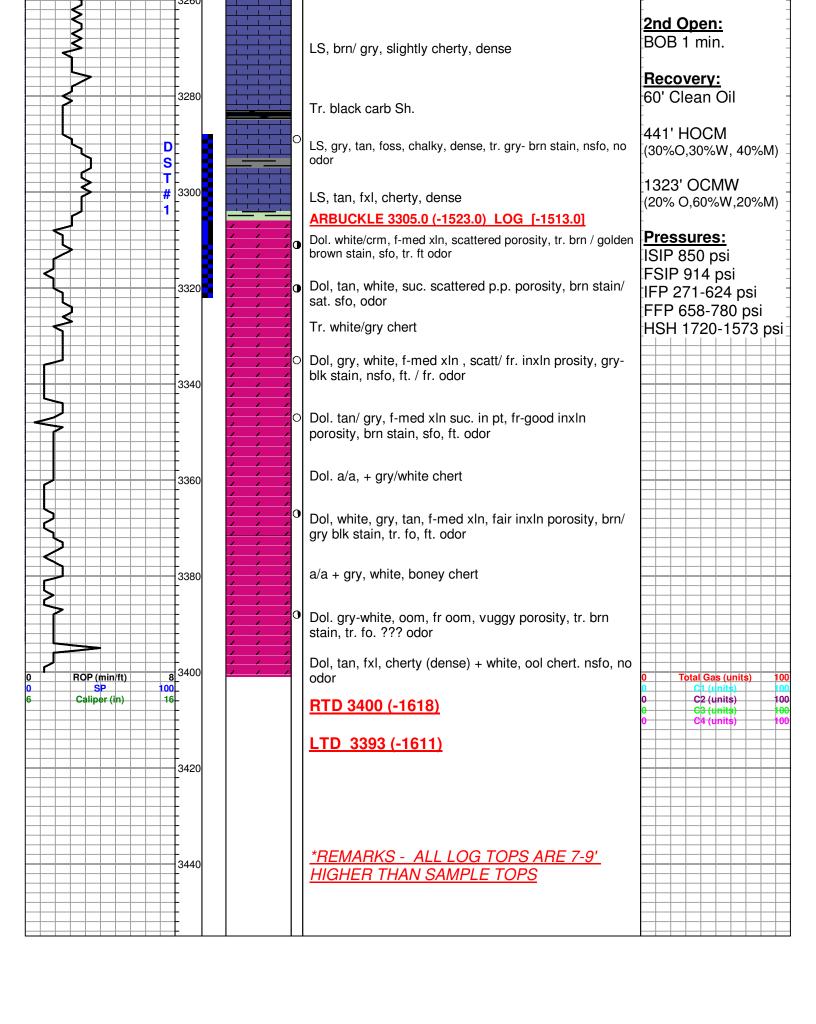
DRILLING TIME AND SAMPLE LOG

COMPANY Casino Petroleum, LLC						ELEVATIONS
LEASE <u>Herter #4</u>	KB.	1782'				
FIELD Chase-Silic		3				
LOCATION S/2-S/2-S		1772'				
SEC8TWS	P_ 20S	RGE	11W	_		surements Are All
COUNTY Barton	STAT	E <u>Ka</u> ı	nsas	_		om_KB
CONTRACTOR Southw	ind Drillin	g, inc.	(Rig#3)	_	SUR	CASING FACE 8 5/8"@275'
SPUD 7/17/2018	COMP7	/24/20 ⁻	18	_		DUCTION_5 1/2"@3393
RTD_3400'					ĒL	ECTRICAL SURVEYS
				-	Pione	eer; DIL/CNL/CDL/
MUD UP 2527'		NUU _C	nemicai			BHCS/MEL
SAMPLES SAVED FRO	OM	2	700'		TO.	RTD
DRILLING TIME KER	T FROM .	2	700'		TO.	RTD
SAMPLES EXAMINED	FROM	2	800'		TO.	RTD
GEOLOGICAL SUPERV	ISION F	ROM _28	840'		TO.	RTD
GEOLOGISI ON WELL		viusyi	JVC			
FORMATION TOPS	LO	3.	SAMP	LES		
Anhydrite	504					
B. Anhydrite Heebner	526 2914	(+1256) (-1132)		(-114	<u></u>	
Toronto	2933	(-1151)		(-115		
Douglas	2948	(-1166)		(-117		
Brown Lime	3043	(-1261)		(-126		8
Lansing	3061	(-1279)		(-128		
_Arbuckle	3295	(-1513)		(-152		
RTD	3400	(-1618)		(-16	,	X
LTD	3393	(-1611)	-	(-16	ш, ч	











Prepared For: Casino Petroleum, LLC

PO Box 415

Ellinwood, KS 67526

ATTN: Jim Musgrove

Herter #4

8-20S-11W Barton,KS

Start Date: 2018.07.23 @ 00:03:13 End Date: 2018.07.23 @ 08:33:43 Job Ticket #: 63132 DST #: 1

Trilobite Testing, Inc

1515 Commerce Parkway Hays, KS 67601

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



Casino Petroleum, LLC

8-20S-11W Barton, KS

73

Herter #4

Tester:

Unit No:

PO Box 415

Ellinw ood, KS 67526 Job Ticket: 63132

ATTN: Jim Musgrove Test Start: 2018.07.23 @ 00:03:13

GENERAL INFORMATION:

Formation: Arbuckle

Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial)

Time Tool Opened: 03:18:13 Time Test Ended: 08:33:43

Interval: 3290.00 ft (KB) To 3322.00 ft (KB) (TVD)

Total Depth: 3322.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1781.00 ft (KB)

Brannan Lonsdale

1771.00 ft (CF)

DST#: 1

KB to GR/CF: 10.00 ft

Serial #: 6753 Outside

Press@RunDepth: 779.90 psig @ 3291.00 ft (KB) Capacity: 8000.00 psig

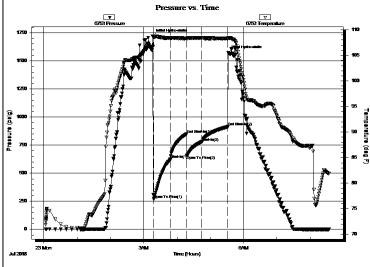
 Start Date:
 2018.07.23
 End Date:
 2018.07.23
 Last Calib.:
 2018.07.23

 Start Time:
 00:03:18
 End Time:
 08:33:42
 Time On Btm:
 2018.07.23 @ 03:16:13

 Time Off Btm:
 2018.07.23 @ 05:32:13

TEST COMMENT: 30- IF- BOB 20 secs

30- ISI- No blow 30- FF- BOB 1 min 45- FSI- No blow



Ī	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
	0	1719.52	106.76	Initial Hydro-static
	2	270.50	108.57	Open To Flow (1)
	32	624.42	108.43	Shut-In(1)
	61	850.19	108.31	End Shut-In(1)
	62	658.27	108.33	Open To Flow (2)
	89	779.90	108.31	Shut-In(2)
ì	136	914.39	108.25	End Shut-In(2)
,	136	1572.61	108.45	Final Hydro-static

PRESSURE SUMMARY

Recovery

Length (ft)	Description	Volume (bbl)		
1323.00	18.75			
441.00	441.00 WOCM, 30%O 30%W 40%M			
30.00 CGO, 10%G 90%O		0.43		
	•	•		

Gas Rat	es	
Choko (inoboo)	Drocoure (poig)	Coo Boto (Mof/d)

Trilobite Testing, Inc Ref. No: 63132 Printed: 2018.07.23 @ 13:37:21



Casino Petroleum, LLC

8-20S-11W Barton, KS

PO Box 415

Elinwood, KS 67526

Job Ticket: 63132

Herter #4

DST#: 1

ATTN: Jim Musgrove

Test Start: 2018.07.23 @ 00:03:13

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: Test Type: Conventional Bottom Hole (Initial) ft (KB)

Time Tool Opened: 03:18:13 Time Test Ended: 08:33:43

Unit No: 73

Tester: Brannan Lonsdale

Reference Elevations:

1781.00 ft (KB)

Total Depth: 3322.00 ft (KB) (TVD)

KB to GR/CF:

1771.00 ft (CF) 10.00 ft

Hole Diameter: 7.88 inches Hole Condition: Fair

Serial #: 6771

Inside

3291.00 ft (KB) psig @

Capacity: Last Calib.: 8000.00 psig

Press@RunDepth: Start Date:

3290.00 ft (KB) To 3322.00 ft (KB) (TVD)

End Date: 2018.07.23

Time On Btm:

2018.07.23

Start Time:

Interval:

2018.07.23 00:03:31

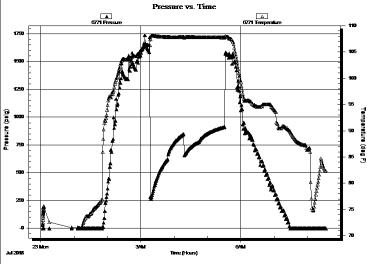
End Time:

08:33:51

Time Off Btm:

TEST COMMENT: 30- IF- BOB 20 secs

30- ISI- No blow 30- FF- BOB 1 min 45- FSI- No blow



	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
7				
edin.				
Temperature (deg F)				
(deg				
Ð				

Recovery

Description	Volume (bbl)
OCMW, 15%O 60%W 15%M	18.75
WOCM, 30%O 30%W 40%M	6.25
CGO, 10%G 90%O	0.43
	OCMW, 15%O 60%W 15%M WOCM, 30%O 30%W 40%M

Gas Rates

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

Printed: 2018.07.23 @ 13:37:21 Trilobite Testing, Inc. Ref. No: 63132



TOOL DIAGRAM

Casino Petroleum, LLC

8-20S-11W Barton, KS

PO Box 415

Herter #4

Job Ticket: 63132

DST#: 1

⊟linw ood, KS 67526

ATTN: Jim Musgrove

Test Start: 2018.07.23 @ 00:03:13

Tool Information

Drill Pipe: Length: 3296.00 ft Diameter:

3.82 inches Volume: 46.72 bbl inches Volume: - bbl

Total Volume:

Tool Weight: 2000.00 lb

Heavy Wt. Pipe: Length: Drill Collar: Length:

ft Diameter: inches Volume: 0.00 ft Diameter: 2.25 inches Volume:

- bbl 0.00 bbl Weight set on Packer: 25000.00 lb Weight to Pull Loose: 50000.00 lb

Drill Pipe Above KB: 32.00 ft

- bbl Tool Chased

Tool Chased 0.00 ft String Weight: Initial 34000.00 lb

Depth to Top Packer: 3290.00 ft Depth to Bottom Packer: ft

ft 32.00.ft Final 42000.00 lb

Interval between Packers: 32.00 ft Tool Length: 58.00 ft

58.00 ft 2

Diameter: 6.75 inches

Tool Comments:

Number of Packers:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			3265.00		
Shut In Tool	5.00			3270.00		
Hydraulic tool	5.00			3275.00		
Gap Sub	4.00			3279.00		
Safety Joint	2.00			3281.00		
Packer	5.00			3286.00	26.00	Bottom Of Top Packer
Packer	4.00			3290.00		
Stubb	1.00			3291.00		
Recorder	0.00	6771	Inside	3291.00		
Recorder	0.00	6753	Outside	3291.00		
Perforations	28.00			3319.00		
Bullnose	3.00			3322.00	32.00	Bottom Packers & Anchor

Total Tool Length: 58.00

Trilobite Testing, Inc Ref. No: 63132 Printed: 2018.07.23 @ 13:37:21



FLUID SUMMARY

DST#: 1

Casino Petroleum, LLC

8-20S-11W Barton, KS

PO Box 415

Herter #4 ⊟linw ood, KS 67526

Job Ticket: 63132

ATTN: Jim Musgrove Test Start: 2018.07.23 @ 00:03:13

Mud and Cushion Information

Mud Type: Gel Chem Cushion Type: Oil API: 34 deg API

Mud Weight: Cushion Length: 9.00 lb/gal ft Water Salinity: 37000 ppm

Viscosity: 59.00 sec/qt Cushion Volume: bbl

Water Loss: 9.59 in³ Gas Cushion Type:

Resistivity: Gas Cushion Pressure: ohm.m psig

Salinity: 7300.00 ppm Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1323.00	OCMW, 15%O 60%W 15%M	18.754
441.00	WOCM, 30%O 30%W 40%M	6.251
30.00	CGO, 10%G 90%O	0.425

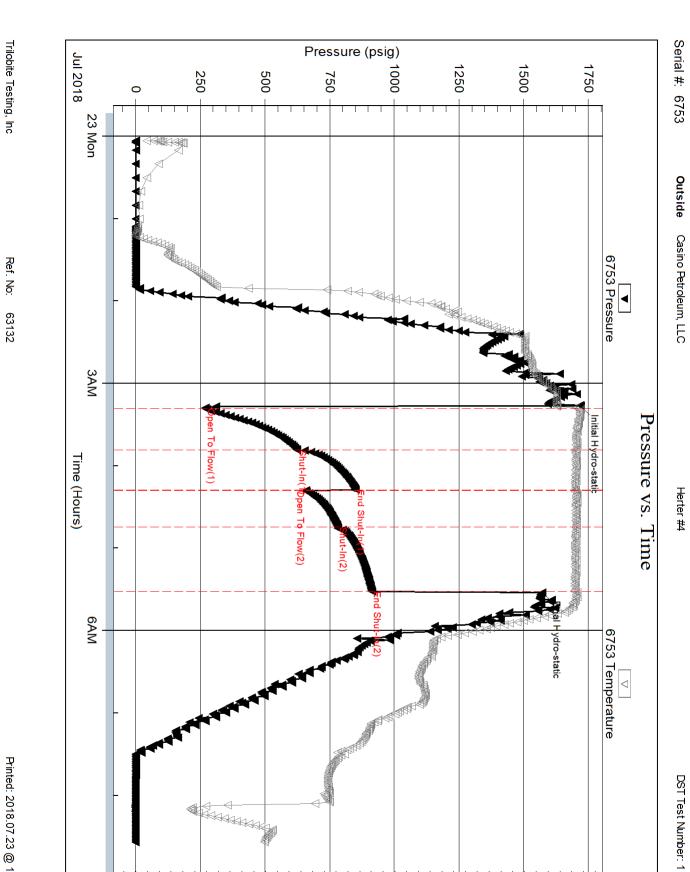
Total Length: 1794.00 ft Total Volume: 25.430 bbl

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

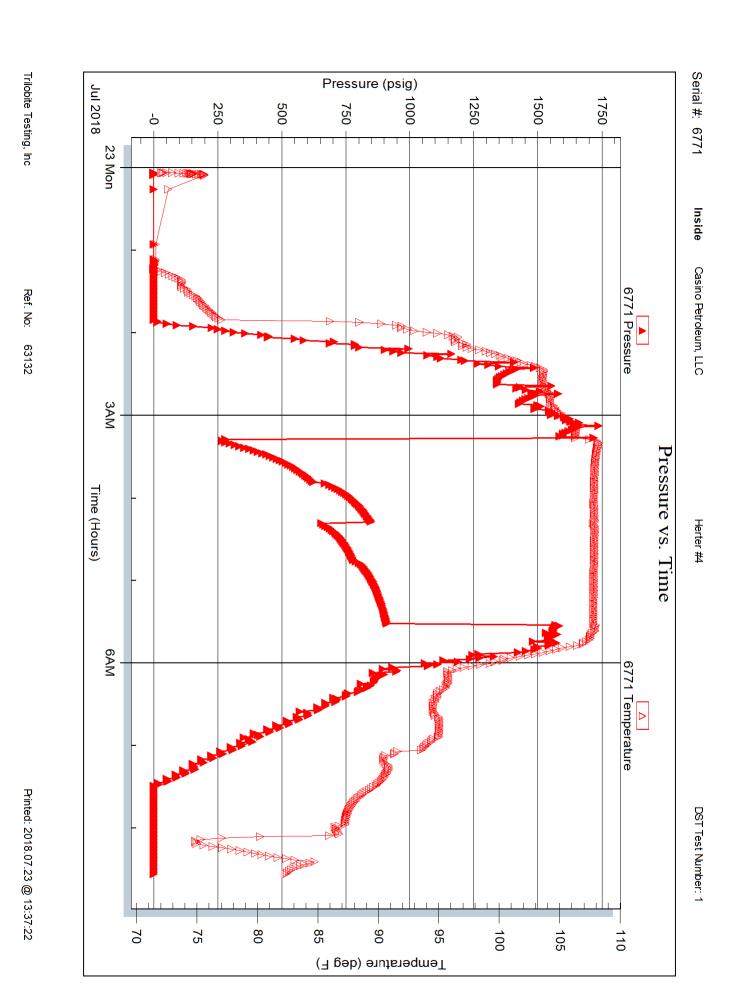
Laboratory Name: Laboratory Location:

Recovery Comments: RW: .15@82deg

Printed: 2018.07.23 @ 13:37:22 Trilobite Testing, Inc Ref. No: 63132



Temperature (deg F)





RILOBITE ESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO.

63132

4/10 1/1-1/1	The second secon	- ALTERNATION AND ADDRESS OF THE PARTY OF TH				,
Well Name & Not	terter = 4		Test No	Da	ate 7/2	3/18
	10 Petroleum, LL	C	Elevation	1570	KB	1771 GL
Address PD B	ox 415 Elmua	2, K5 6752	6			Tal.
	m Musgrove	, -	Rig Socof	hwind D		
Location: Sec.	8 Twp. 20 S	Rge. 11 W	/co	0 1	State	KS_
Interval Tested	3290-3322	Zone Tested A	rbackle			
	00'		32	96 Mus	I Wt.	93
Anchor Length		Drill Pipe Run				F9
Top Packer Depth		Drill Collars Run				0.0
Bottom Packer Depth_	3372	Wt. Pipe Run				14
Total Depth		Chlorides	Jaco ppm	System LCN	1	
Blow Description	61 11					
+31	- No How					
E	- 130D HAN		The state of the s			
Rec_ 30	Foot of CCD	****	16 %gas	90‰il	9/water	9/ mud
1 0. /	Feet of WOCM	364-74-7		30 %oil 3	%water	%mud 45%mud
7.00	/ 1	1140	%gas	- 1	%water	,
_	Feet of OCMW		%gas /	5 %oil 6	%water	1.5 %mud
Rec	Feet of		%gas	%oil	%water	%mud
Rec	Feet of	34.	%gas	%oil	%water	%mud
	9 BHT 108°	Gravity 39 A	PIRW_1/3_@			3700 Cpm
	221	7			on	
(B) First Initial Flow	624	Jars				0316
(C) First Final Flow	OCT	□ Safety Joint				0531
(D) Initial Shut-In	2 - D	☐ Circ Sub		T-Out	100	0834
(E) Second Initial Flow	10	☐ Hourly Standby	•		EM Too	
(F) Second Final Flow	0.11	Mileage 154				
(G) Final Shut-In		☐ Sampler		-		
(H) Final Hydrostatic_	13/3	☐ Straddle		☐ Ruined	Shale Packer_	
	82	☐ Shale Packer		☐ Ruined	Packer	
Initial Open	0 -	☐ Extra Packer		☐ Extra Co	opies	
Initial Shut-In	0-	☐ Extra Recorder		Sub Total _	0	
Final Flow		☐ Day Standby	- West	Total10	086	
Final Shut-In	45	☐ Accessibility		MP/DST D	isc't	
		Sub Total1086		and the		
Approved By		Our I	Representative	1	01	
			Brame	in Lons	dal	



Remarks_

FIELD ORDER Nº C 45894

BOX 438 • HAYSVILLE, KANSAS 67060

			316	-524-12	225	37000	71	8	, c
		1	0.1	,		DATE_	1-1	0	20 18
IS AUTHORI	ZED BY:	Casino	1 leprol	MEDICUS)				
Address			City		TOMEN			State	
To Treat Wel As Follows:	Lease H	erter	•	II No	#4		Customer		
Sec. Twp. Range	•		Col	inty	Bar	ton		State	
CONDITIONS: not to be held I implied, and no treatment is pay our invoicing de The undersi	iable for any dan representations yable. There will epartment in acc gned represents	consideration hereof It is a mage that may accrue in co have been relied on, as to I be no discount allowed su ordance with latest publish himself to be duly authoriz	ennection with said s what may be the re- bsequent to such da ed price schedules.	service or sults or e ite. 6% ir	treatment. ffect of the s nterest will be	Copeland Aci ervicing or tre e charged afte	d Service has eating said w	, the hereinbefo s made no repro ell. The conside	re mentioned well and is esentation, expressed or eration of said service or
	JST BE SIGNED IS COMMENCED		Well Owner or Opera	ator		Ву		Agent	
0005	OLIANITITY!							UNIT	AMOUNT
CODE 2	QUANTITY	Mileye Pa		SCRIPT	ION			COST	AMOUNT 40 °C
	10	1 age 10	ing macic					-	
2		Pump Charge	-Surface	c f.	pe				11000
2	300	Sales 6/19	10 Post 10 (se!	- 1		/	10 35	3225 00
2	16	Calcrum Chlo	ride					30 =	480 %
		100							
a a								.16	
2	316	Bulk Charge	, ,					125	385
2			S. (TX10mile	5-13				Min	\$500°
		Process Lic	ense Fee on			Gallons TOTAL B	ILLING	18%	539000
manner u		e material has been a ction, supervision and				service wa	as perform , whose si	gnature appe	and workmanlike ears below. #19,80
Station		63				Well	Mr/3 /	Safehna. or or Agent	1



Date 7/18/2018 District GB

Size 8 5/8 Type & Wt. _

Type & Wt.

Size & Wt.____

Cemented: Yes ▼ Perforated from

Top at

Swung at ____

Company CASINO PETROLEUM Well Name & No. HERTER #4

BARTON

Location

County

Casing: Formation: Formation:

Formation:

Tubing:

TREATMENT REPORT

								Acid 9	Stage N	o	
F.O. No. 45	394	Type Treatment:	Amt.	Bbl./Gal.			e Fluid	Sar	nd Size	Pound	ds of Sand
				Bbl./Gal. Bbl./Gal.	_						
Field		A TOTAL OF THE PARTY OF THE PAR		Bbl./Gal.	_						
State KS		Flush		Bbl./Gal.	_						
		Treated from			ft.	to			_ft.	No. ft	0
Set	atft.	from			ft.	to			ft.	No. ft.	0
Perf.	to	from			ft.	to _			ft.	No. ft.	0
Perf	to	Actual Volume o	f Oil / Water	to Load Ho	ole:						Bbl./Gal.
Perf.	to										
op atft. Botto	mat ft.	Pump Trucks.	No. Used:	Std.	36	55	Sp.			_ Twin _	
nft. to	ft.	Auxiliary Equipm	ent					327			
Swung at	ft.	Personnel GRE	G AARON								
ft. to	ft.	Auxiliary Tools									

	Perforated f	rom	ft. to	ft.	Auxiliary Tools			
					Plugging or Sealing Materia	als: Type	0-1-	
Open Hole Si	ize	T.D.	т. Р.	.B. toft.			Gals	lb.
Company Re	presentative		CHRIS BATC	HMAN	Treater	GREG	CURTIS	
TIME a.m./p.m.	PRES	SURES Casing	Total Fluid Pumped			REMARKS		
12:15	Tubling	Casing	+	ON LOCATION				
12:15				ON LOCATION				
				RUN 8 5/8" PIPE	TO 262'			
				PUMP 300 SKS 6	0/40 2% GEL 3%	CALCIUM CHLOR	RIDE.	
				DISPLACED WITH	1 16.5 BBLS OF F	RESH H2O		
				CEMENT CIRCUL	ATED TO CLIDEA	CE		
				CEIVIENT CIRCUL	ATED TO SUKFA	CE		
3:00				JOB COMPLETE				
				THANK YOU!!!				
-								
			-					
			^					





FIELD

Well Owner, Operator or Agent

ORDER Nº C 45487

BOX 438 • HAYSVILLE, KANSAS 67060 316-524-1225

		3.00		DATE TIZULI	8	20
IS AUTHORI	ZED BY:(asi-a Petroloum	DF CUSTOMER)			
Addross					State	
To The sa Maria						
As Follows:	Lease Her	<i>Åe−</i> Well N	o. <u>4</u>	Customer	Order No	
Sec. Twp. Range		County	Broken		Statet	25
ot to be held li aplied, and no eatment is pay ar invoicing de	able for any dan representations rable. There will partment in acc	consideration hereof it is agreed that Copeland Act nage that may accrue in connection with said serv have been relied on, as to what may be the result be no discount allowed subsequent to such date. ordance with latest published price schedules. himself to be duly authorized to sign this order fo	vice or treatment. Is or effect of the s 6% interest will be	Copeland Acid Service has ervicing or treating said we charged after 60 days. To	s made no repre ell. The conside	esentation, expressed o eration of said service o
	ST BE SIGNED IS COMMENCED			By		
		Well Owner or Operator			Agent	
CODE	QUANTITY	DESC	RIPTION		UNIT	AMOUNT
2	10	milecoc permy fred			4 och	40,000
2	10	rilecse pictup			7.001	70,00
2	10	n. c. pretop	~ ·			1,600.00
		Pump Charge- Long 5	string		10.75/	
2	750#	60/40 paz. 2% scl.				1,881.85
2	1120				- 52	197,50
2	100	(-37			۹,	400.00
2	100 4	C-41p			٤.	375,00
2	50 ⁴	C-12			6.001	300.00
2	625H	Gilsonite			.75	468.75
2	600 sch	Mud Flush			.75	450,00
2	1	Rot. Head Routel				250.00
2	5	Turbo - Controliza-s.			25.00/	4(5.00
2		pl A B			155. oc/	310.00
2	2	5'k Boskets. 5'k Floot Shac wil Autor F	111.		(33.	355,00
		sk telet down plus ? bec			, 25/	175.00
2	१०४	Bulk Charge			4	760.00
2		Bulk Truck Miles 8.537 x lom ?	85.37~ K	104	2000	150,00
		Process License Fee on		Gallons	15%	7,647.50
				TOTAL BILLING		-1147.13
manner u	nder the dire	material has been accepted and used; ction, supervision and control of the own				

Remarks **NET 30 DAYS**

Station G. B



Date 7/24/2018 District GB

5.5"

Type & Wt.

Cemented: Yes ▼ Perforated from

Type & Wt.

Company Casino Petroleum
Well Name & No. Herter #4

Barton

Location

County

Casing:

Formation:

Formation: Liner: Size

TREATMENT REPORT

F.O. No. C45487

Bottom at

ft. to

Field KS

14.5"

Perf.

Top at

			Acid S	Stage No.		
Type Treatment: Ami	:.	Type Fluid	Sar	nd Size	Pound	ls of Sand
Bkdown	Bbl./Gal.					
	Bbl./Gal.					
	Bbl./Gal.					
	Bbl./Gal.					
Flush	Bbl./Gal.					
Treated from		ft. to		ft.	No. ft.	0
ft. from		ft. to		ft.	No. ft.	0
from		ft. to		ft.	No. ft.	0
Actual Volume of Oil / Water	er to Load He	ole:				Bbl./G
ft. Pump Trucks. No. Used	d; Std	365 Sp.			Twin	
ft. Auxiliary Equipment	-		327			
ft. Personnel Nathan-Greg	g-Aaron					_0
ft Auviliany Tools						-

Tubing:	Size & Wt.		Swung at	ft. Personnel Nathan-Greg-Aaron
	Perforate	d from	ft. to	ft. Auxiliary Tools
				Plugging or Sealing Materials: Type
Open Hole	Size	T.D	ft. P	.B. toft
Company	Representative		Chris I	3. Treater Nathan W.
TIME	PRESSURES		Total Fluid Pumped	REMARKS
a.m./p.m.	Tubing	Casing 5.5"		On Location
12:45		5.5		On Location.
		-		Hole-3400'
		-		5.5"-3392' Centralizers-1,3,5,7,9
				Baffle-3349' Baskets-2,4
			†	
				Tag bottom with casing and pick up. Break circulation with mud pump.
				Circulate on bottom for 1 hour.
				Pump 600gal Mud Flush.
				Plug Rat Hole with 30sks 60/40poz
				Plug Mouse Hole with 20sks.
				Mix 125sks 60/40poz 2%gel 12% Salt .75% C-37 .25%C-12 .75% C-41p
				5#/sk Gilsonite.
			1	NATE OF THE PROPERTY AND THE PROPERTY OF THE P
				Wash out pump and lines.
				Displace with 81bbls at 6.25bpm-500# Plug landed at 1100#
7:00				Release pressure. Float Held.
7.55		-		
				Thank You!
				Nathan W.