KOLAR Document ID: 1482004

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:	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)	Multiple Stage Cementing Collar Used?					
Cathodic Other (Core, Expl., etc.):						
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: 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)					
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 #:	Ecodition of hald disposal in riddied choice.					
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: 1482004

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	# Sacks 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	Jaspar Co.
Well Name	COLE 1
Doc ID	1482004

Perforations

Shots Per Foot	Perforation Top	Perforation Bottom	BridgePlugTyp e	BridgePlugSet At	Material Record
			CIBP Cast Iron Bridge Plug	3432	
1	3328	3329			300 GAL 20% MUD ACID
1	3364				150 GAL 20% MUD ACID
1	3374	3375			300 GAL 20% MUD ACID
1	3457	3458			250 GAL 20% MUD ACID
1	3278	3279			750 GAL 20% NE

Form	CO1 - Well Completion					
Operator	Jaspar Co.					
Well Name	COLE 1					
Doc ID	1482004					

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement		Type and Percent Additives
Surface	12.25	8.625	23	220	COMMON	120	80/20 3%CC, 2% GEL
Surface	12.25	8.625	23	220	POZ	30	
Production	7.875	5.5	15.5	3536	COMMON	150	10%SALT, 5%GIL, 750#KOL SEAL,500 GAL MUDCLR
Production	7.875	5.5	15.5	1665	80/20 QMDC	215	#1/4 FLO

QUALITY OILWELL CEMENTING, INC. Federal Tax I.D.# 20-2886107

Phone 785-483-1071 Cell 785-324-1041

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

No. 1735

Date 11-2	- 19	Sec.	Twp.	Range	Roo	County	K	State		On L	ocation	14	Finish 45 AM	<u>.</u>
	0	,	_		Locati	on Stock	400	-9	of N	ARd	13 W	40	5Rd,	3/16
Lease	<u>(</u> 'ol			Well No.		Owner 5	Ex	54	wel		miles	97	Leased	<u>L</u>
Contractor F	lex !	<u> 11850</u>	nox		•	To Quality You are her					a equipmen	t and	furnish	
Type Job S	urfac		0			cementer a	nd help	er to as	sist owr	ner or con	tractor to d	o wor	k as listed	
Hole Size	121/4	N	T.D.	220'		Charge To	Sa	500	~	Con	Davy	•		
Csg.	82	18 h	Depth	220'		Street		1			/			
Tbg. Size			Depth			City				State				
Tool			Depth	· · · · · · · · · · · · · · · · · · ·		The above w	as done	to satisfa	_					or.
Cement Left in	Csg.	<u>5' </u>	Shoe J			Cement An	ount O	rdered	120	80/2	0 35%	CC	<u>, コンムG</u>	<u>e</u> l
Meas Line			Displac	· 13	<u>Bls</u>							<u> </u>		
	N. Come	EQUIPA	MENT			Common	20					<u> </u>		
Pumptrk 5	No. Ceme	er	<u> </u>			Poz. Mix	30							
Bulktrk 15	No. Drive	r Can	æ			Gel. ~】	•							
Bulkerk PVU	No. Drive		X			Calcium E	<u></u>					<u> </u>		
	JOB SE	RVICES	& REMA			Hulls								
Remarks:	men	t di	<u>d</u>	Circulate	૧	Salt								
Rat Hole						Flowseal						<u> </u>		
Mouse Hole						Kol-Seal								
Centralizers						Mud CLR 4	8							
Baskets						CFL-117 or	CD110	CAF 38	<u> </u>					
D/V or Port Co	ilar					Sand	 	· · · · · · · · · · · · · · · · · · ·			_			
			Talayan (m.)			Handling /	59							
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		* **	<u> </u>	# 15 W.		Guide Shoe	•	Things a						_
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						Baskets								_
	> +	<u></u>				AFU Inserts	3	il y		<u>. 6</u>				
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-				<u> </u>							Discount			
X Signature		70	hel							To	tal Charge	L		_

GENERAL TERMS AND CONDITIONS

DEFINITIONS: In these terms and conditions, "Quality" shall mean Quality Oilwell Cementing, Inc., and "Customer" shall refer to the party identified by that term on the front of this contract. As applicable, "Job" relates to the services described on the front side of this contract, "merchandise" refers to the material described on the front of this contract and to any other materials, products, or supplies used, sold, or furnished under the requirements of this contract.

- TERMS: Unless satisfactory credit has been established, "CUSTOMER" must tender full cash payment to "QUALITY" before the job is undertaken or merchandise is delivered. If satisfactory credit has been established, the terms of payment for the job and/or merchandise, including bulk cement, are net cash, payable in 30 days from the completion of the job and/or delivery of the merchandise. For all past due invoices, "CUSTOMER" agrees to pay interest on amounts invoiced at a rate of 18 percent per annum until paid. Notwith-standing the foregoing in no event shall this Contract provide for interest exceeding the maximum rate of interest that "CUSTOMER" may agree to pay under applicable law. If any such interest should be provided for, it shall be and hereby is deemed to be a mistake, and this contract shall be automatically reformed to lower the rate of interest to the maximum legal contract rate, any amounts previously paid as excess interest shall be deducted from the amounts owing from the "CUSTOMER" or at the option of "QUALITY," refunded directly to "CUSTOMER." For purposes of this paragraph, QUALITY and CUSTOMER agree that KANSAS law shall apply. Any discounts granted with this contract are null and void if the charges are not paid when due.
- -ATTORNEY FEES: In any legal action or proceeding between the parties to enforce any of the terms of this Service Contract, or in any way pertaining to the term of this Contract, the prevailing party shall be entitled to recover all expenses, including, but not limit to, a reasonable sum as and attorney's fees.
- PRICES AND TAXES: All merchandise listed in "QUALITY'S" current price shall schedule are F.O.B. QUALITY'S local station and are subject to change without notice. All prices are exclusive of any federal, state, local, or special taxes for the sale or use of the merchandise or services listed. The amount of taxes required to be paid by QUALITY shall be added to the quoted prices charged to CUSTOMER.
- TOWING CHARGES: QUALITY will make a reasonable attempt to get to and from each job site using its own equipment. Should QUALITY be unable to do so because of poor or inadequate road conditions, and should it become necessary to employ a tractor or other pulling equipment to get to or from the job site, the tractor or pulling equipment will be supplied by CUSTOMER or, if furnished by QUALITY, will be charged to and paid by CUSTOMER.
- PREPARATION CHARGES: If a job and/or merchandise is ordered and CUSTOMER cancels the order after preparation of a chemical solution or other material, CUSTOMER will pay QUALITY for the expenses incurred by QUALITY-as a result of the cancellation......
- DEADHAUL, CHARGES: Unless otherwise specified on the front of this Contract, a deadhaul charges as set forth in QUALITY'S current price book will be charged each way for each service unit which is ordered by CUSTOMER but not used.
- SERVICE CONDITIONS AND LIABILITIES: 1. QUALITY carries public liability and property damage insurance, but since there are so many uncertain and unknown conditions beyond QUALITY'S control, QUALITY shall not be liable for injuries to property or persons or for loss or damage arising from the performance of the job or delivery of the merchandise. Customer shall be responsible for and indemnify, defend, and hold harmless QUALITY, its officers, agents and employees, from and against any and all claims or suits for:
- (A) Damage to property or for bodily injury, sickness, disease, or death, brought by any person, including CUSTOMER and/or the well owner; and:
- (B) Oil spills, pollution, surface or sub-surface damage, injury to the well, reservoir loss, or damage arising from a well blowout arising out of or in connection with QUALITY'S performance of the job or furnishing of merchandise in accordance with this contract, unless such loss or damage is caused by the willful misconduct or gross negligence of QUALITY or its employees.
- 2. With respect to any of QUALITY'S tools, equipment, or instruments which are lost in the well or damaged when performing or attempting to perform the job or, in the case of marine operations, are lost or damaged at any time after delivery te-the landing for CUSTOMER and before return to QUALITY at the landing, CUSTOMER shall either recover the lost item without cost to QUALITY or reimburse QUALITY the current replacement cost of the item unless the loss or damage results from the sole negligence of QUALITY or its employees.
- 3. QUALITY does not assume any liability or responsibility for damages or conditions resulting from chemical action in cements caused by contamination of water or other fluids.
- WARRANTIES: 1. QUALITY warrants all merchandise manufactured or furnished by it to be free from defects in material and workmanship under normal use and service when installed, and used, and/or serviced in the manner provided and intended. QUALITY'S obligation under this warranty is expressly limited to repair replacement, or allowance for credit, at its option, for any merchandise which is determined by QUALITY to be defective. THIS IS THE SOLE WARRANTY OF QUALITY AND NO OTHER WARRANTY IS APPLICABLE, EITHER EXPRESS OR OTHERWISE IMPLIED, IN FACT OR IN LAW, INCLUDING ANY WARRANTY AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE, CUSTOMER'S sole and only remedy with regard to any defective merchandise shall be the repair or replacement thereof or allowance for credit as herein provided, and QUALITY shall not be liable for any consequential, special, incidental, or punitive damages resulting from or caused by defective materials, products or supplies.
 - 2. More specifically:
- (A) Nothing in this contract shall be constructed as a warranty by QUALITY of the success or the effectiveness of the result of any work done or merchandise used, sold, or furnished under this contract.
- (B) Nothing in this contract shall be construed as a warranty of the accuracy or correctness of any facts, information, or data furnished by QUALITY or any interpretation of test, meter readings, chart information, analysis or research, or recommendations made by QUALITY, unless the inaccuracy or incorrectness is caused by the willful misconduct or gross negligence of QUALITY or its employees in the preparation or furnishing of such facts, information or data. (C) Work done by QUALITY shall be under the direct supervision and control of the CUSTOMER or his agent and QUALITY will accomplish the job as an independent contractor and not as an employee or agent of the CUSTOMER.

Jaspar Co



DRILL STEM TEST REPORT

Prepared For: Jaspar Co

PO Box 1120 Hays, KS 67601

ATTN: Cameron Brin

Cole #1

1-6s-20w Rooks,KS

Start Date: 2019.11.05 @ 14:45:03 End Date: 2019.11.05 @ 23:12:05 Job Ticket #: 66356 DST #: 1

Trilobite Testing, Inc

1515 Commerce Parkway Hays, KS 67601

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



Jaspar Co

1-6s-20w Rooks, KS

PO Box 1120 Hays, KS 67601 Cole #1

Job Ticket: 66356

DST#:1

ATTN: Cameron Brin

Test Start: 2019.11.05 @ 14:45:03

GENERAL INFORMATION:

Formation: Toronto - LKC "D"

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:44:50 Time Test Ended: 23:12:05

Interval: 3249.00 ft (KB) To 3357.00 ft (KB) (TVD)

Total Depth: 3357.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Bottom Hole (Initial)

Tester: Spencer Staab

Unit No: 84

.

Reference Elevations:

2066.00 ft (KB)

psig

2060.00 ft (CF)

KB to GR/CF: 6.00 ft

Serial #: 6838 Inside

Press@RunDepth: 75.44 psig @

2019.11.05

3254.00 ft (KB)

2019.11.05

Capacity: Last Calib.:

2019.11.05

Start Date: Start Time:

14:45:04

End Date: End Time:

23:12:05

Time On Btm:

2019.11.05 @ 17:43:50

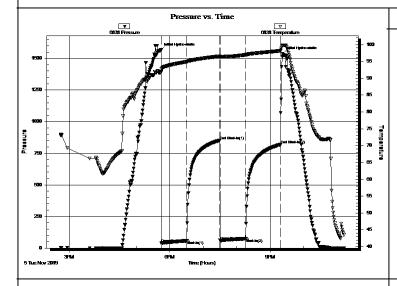
Time Off Btm:

TEST COMMENT: 45 IFP-Slid 8' Weak blow built to 1 1/2" died to 1"

60 ISI-No blow back

45 FFP- Weak blow built to 1 1/4"

60 FSI-No blow back



PRESSURE SUMMARY

Time	Pressure	Temp	Annotation
(Min.)	(psig)	(deg F)	
0	1565.86	91.76	Initial Hydro-static
1	39.12	91.85	Open To Flow (1)
47	58.38	94.91	Shut-In(1)
106	851.96	96.49	End Shut-In(1)
106	60.01	96.28	Open To Flow (2)
152	75.44	96.94	Shut-In(2)
215	819.35	98.17	End Shut-In(2)
219	1536.39	99.75	Initial Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	VSOCM 1%O 99%M	1.75
<u> </u>	+	

Gas Rates

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

Trilobite Testing, Inc Ref. No: 66356 Printed: 2019.11.08 @ 08:21:52



Jaspar Co

1-6s-20w Rooks, KS

PO Box 1120 Hays, KS 67601

Job Ticket: 66356

Cole #1

DST#: 1

ATTN: Cameron Brin

Test Start: 2019.11.05 @ 14:45:03

GENERAL INFORMATION:

Formation: Toronto - LKC "D"

Deviated: Whipstock: Test Type: Conventional Bottom Hole (Initial) ft (KB)

Time Tool Opened: 17:44:50 Time Test Ended: 23:12:05

Unit No: 84

Spencer Staab

Tester:

2066.00 ft (KB)

3249.00 ft (KB) To 3357.00 ft (KB) (TVD)

Reference Elevations:

2060.00 ft (CF)

Hole Diameter:

3357.00 ft (KB) (TVD) 7.88 inches Hole Condition: Good

KB to GR/CF: 6.00 ft

Serial #: 8372 Press@RunDepth: Outside

psig @

3254.00 ft (KB)

Capacity:

psig

Start Date: 2019.11.05 End Date:

2019.11.05 Last Calib.: Time On Btm: 23:11:51

2019.11.05

Start Time:

Interval:

Total Depth:

14:44:50

End Time:

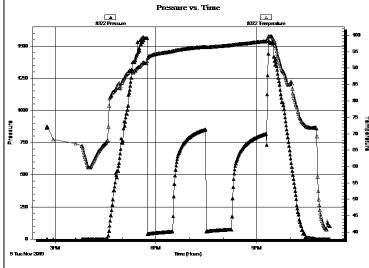
Time Off Btm:

TEST COMMENT: 45 IFP-Slid 8' Weak blow built to 1 1/2" died to 1"

60 ISI-No blow back

45 FFP- Weak blow built to 1 1/4"

60 FSI-No blow back



PRESSURE SUMMARY

-	-	_	_	
	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
	(14111.)	(20.9)	(uog i)	
2				
3				

Recovery

Description	Volume (bbl)
VSOCM 1%O 99%M	1.75
	·

Gas Rates

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

Trilobite Testing, Inc. Ref. No: 66356 Printed: 2019.11.08 @ 08:21:53



TOOL DIAGRAM

Jaspar Co

1-6s-20w Rooks, KS

PO Box 1120 Hays, KS 67601 Cole #1

Job Ticket: 66356

DST#: 1

ATTN: Cameron Brin

Test Start: 2019.11.05 @ 14:45:03

Tool Information

Drill Pipe:Length:3239.00 ftDiameter:Heavy Wt. Pipe:Length:0.00 ftDiameter:Drill Collar:Length:0.00 ftDiameter:

3.88 inches Volume: 47.37 bbl 0.00 inches Volume: 0.00 bbl 2.25 inches Volume: 0.00 bbl

Total Volume:

Tool Weight: 2200.00 lb
Weight set on Packer: 25000.00 lb
Weight to Pull Loose: 115000.0 lb

Drill Pipe Above KB: 17.00 ft
Depth to Top Packer: 3249.00 ft

47.37 bbl Tool Chased 8.00 ft String Weight: Initial 66000.00 lb

Depth to Bottom Packer: ft
Interval between Packers: 108.00 ft

Final 67000.00 lb

Tool Length: 135.00 ft

Number of Packers: 2 Diameter: 6.75 inches

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			3223.00		
Shut In Tool	5.00			3228.00		
Hydraulic tool	5.00			3233.00		
Gap Sub	4.00			3237.00		
Safety Joint	3.00			3240.00		
Packer	5.00			3245.00	27.00	Bottom Of Top Packer
Packer	4.00			3249.00		
Stubb	1.00			3250.00		
Perforations	3.00			3253.00		
Change Over Sub	1.00			3254.00		
Recorder	0.00	6838	Inside	3254.00		
Recorder	0.00	8372	Outside	3254.00		
Blank Spacing	96.00			3350.00		
Change Over Sub	1.00			3351.00		
Perforations	2.00			3353.00		
Bullnose	4.00			3357.00	108.00	Bottom Packers & Anchor

Total Tool Length: 135.00

Trilobite Testing, Inc Ref. No: 66356 Printed: 2019.11.08 @ 08:21:53



FLUID SUMMARY

Jaspar Co 1-6s-20w Rooks,KS

PO Box 1120 Cole #1

Hays, KS 67601 Job Ticket: 66356 **DST#:1**

ATTN: Cameron Brin Test Start: 2019.11.05 @ 14:45:03

Mud and Cushion Information

Mud Type:Gel ChemCushion Type:Oil API:deg APIMud Weight:9.00 lb/galCushion Length:ftWater Salinity:ppm

Mud Weight:9.00 lb/galCushion Length:ftViscosity:52.00 sec/qtCushion Volume:bbl

Water Loss: 7.99 in³ Gas Cushion Type:

Resistivity: ohm.m Gas Cushion Pressure: psig

Salinity: 1000.00 ppm Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	VSOCM 1%O 99%M	1.755

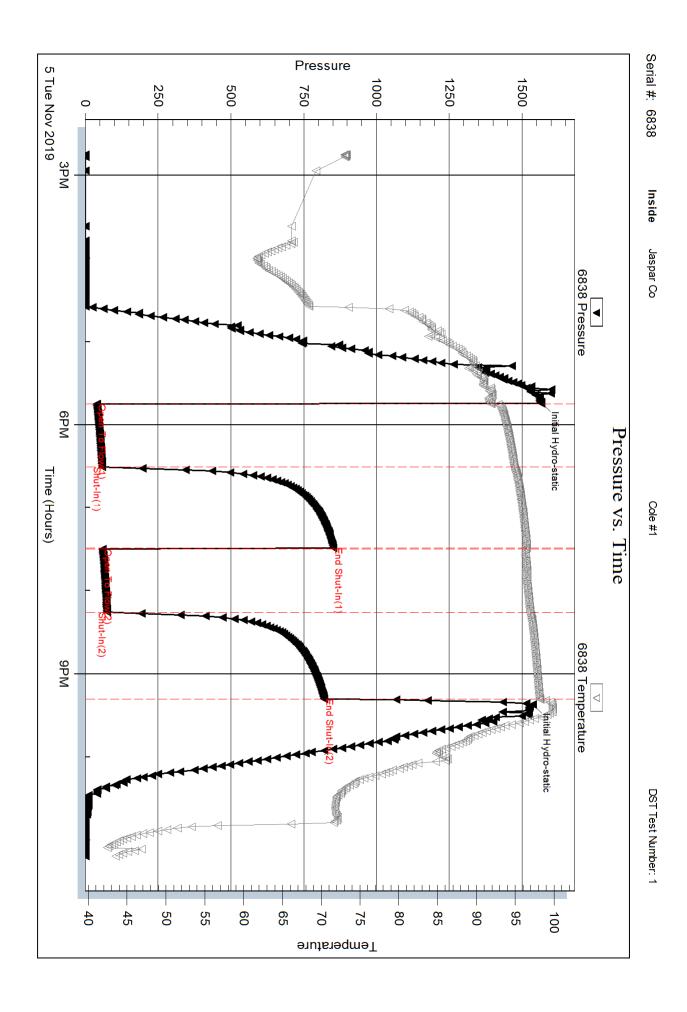
Total Length: 120.00 ft Total Volume: 1.755 bbl

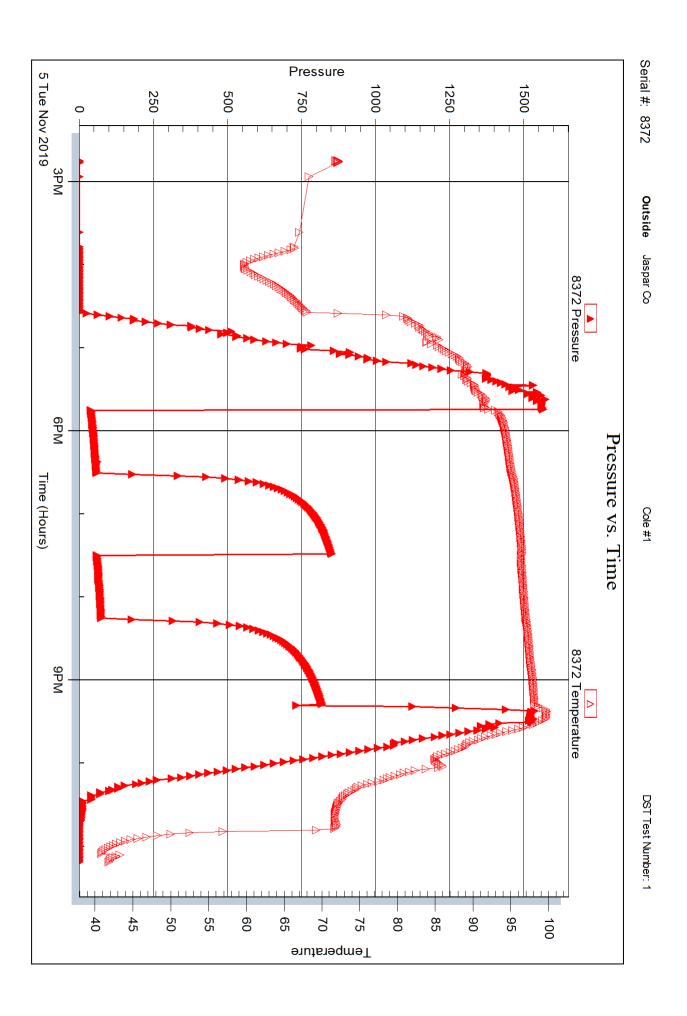
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

Trilobite Testing, Inc Ref. No: 66356 Printed: 2019.11.08 @ 08:21:53







Prepared For: Jaspar Co

PO Box 1120 Hays, KS 67601

ATTN: Cameron Brin

Cole #1

1-6s-20w Rooks,KS

Start Date: 2019.11.06 @ 07:15:00 End Date: 2019.11.06 @ 13:02:02 Job Ticket #: 66357 DST #: 2

Trilobite Testing, Inc

1515 Commerce Parkway Hays, KS 67601

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



Jaspar Co

1-6s-20w Rooks, KS

PO Box 1120 Hays, KS 67601

Job Ticket: 66357

Cole #1

DST#: 2

ATTN: Cameron Brin

Test Start: 2019.11.06 @ 07:15:00

GENERAL INFORMATION:

Formation: LKC 'E-F'

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:27:17 Time Test Ended: 13:02:02

3355.00 ft (KB) To 3378.00 ft (KB) (TVD)

Total Depth: 3378.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Outside

Test Type: Conventional Bottom Hole (Initial)

Tester: Spencer J Staab

ab

Unit No: 84

Reference Elevations:

2066.00 ft (KB)

2060.00 ft (CF)

KB to GR/CF: 6.00 ft

Serial #: 8372

Press@RunDepth:

Interval:

57.90 psig @

3356.00 ft (KB)

2019.11.06

Capacity: Last Calib.:

psig

Start Date: Start Time: 2019.11.06 07:15:01 End Date: End Time:

13:02:02

Time On Btm:

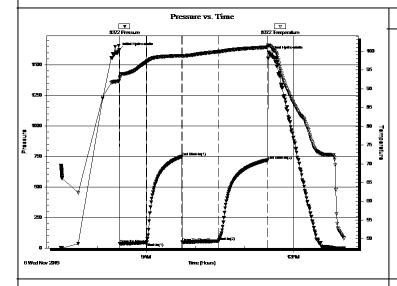
2019.11.06 2019.11.06 @ 08:26:47

Time Off Btm:

2019.11.06 @ 11:30:17

TEST COMMENT: 30-IF-Weak; Built to 1"

45-ISI-No Return 45-FF-Weak; Built to 3" 60-FSI-No Return



PRESSURE SUMMARY

Time	Pressure	Temp	Annotation
(Min.)	(psig)	(deg F)	
0	1621.63	92.09	Initial Hydro-static
1	34.67	92.66	Open To Flow (1)
34	44.63	97.19	Shut-In(1)
77	748.97	98.77	End Shut-In(1)
77	48.92	98.68	Open To Flow (2)
122	57.90	99.84	Shut-In(2)
182	721.50	101.08	End Shut-In(2)
184	1595.13	101.53	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
40.00	SWCM w / oil spots 4%W 96%M	0.57
50.00	OCM 7%O 93%M	0.71
2.00	Clean Oil	0.03
-		

Gas Rates

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

Trilobite Testing, Inc Ref. No: 66357 Printed: 2019.11.08 @ 08:17:57



Jaspar Co

1-6s-20w Rooks, KS

PO Box 1120 Hays, KS 67601 Cole #1

Job Ticket: 66357

DST#: 2

ATTN: Cameron Brin

Test Start: 2019.11.06 @ 07:15:00

GENERAL INFORMATION:

Formation: LKC 'E-F'

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

Time Tool Opened: 08:27:17 Time Test Ended: 13:02:02

Interval:

Tester: Spencer J Staab

Unit No: 84

2066.00 ft (KB)

3355.00 ft (KB) To 3378.00 ft (KB) (TVD)

Reference Elevations:

2060.00 ft (CF)

Total Depth: 3378.00 ft (KB) (TVD)

KB to GR/CF:

6.00 ft

Hole Diameter: 7.88 inches Hole Condition: Poor

Serial #: 6838 Inside

Press@RunDepth: 3356.00 ft (KB) psig @

Capacity: Last Calib.:

Time Off Btm:

psig

Start Date: 2019.11.06 Start Time: 07:15:01

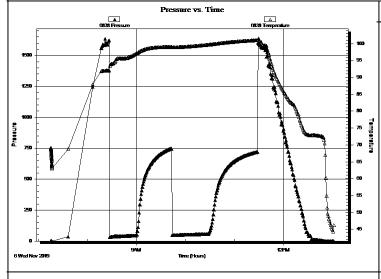
End Date: End Time:

Time On Btm: 13:02:02

2019.11.06

2019.11.06

TEST COMMENT: 30-IF-Weak; Built to 1" 45-ISI-No Return 45-FF-Weak: Built to 3" 60-FSI-No Return



PRESSURE SUM	IMARY
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ı	T RESSERE SOMMARY				
	Time	Pressure	Temp	Annotation	
	(Min.)	(psig)	(deg F)		

Recovery

Length (ft)	Description	Volume (bbl)
40.00	SWCM w / oil spots 4%W 96%M	0.57
50.00	OCM 7%O 93%M	0.71
2.00	Clean Oil	0.03

Gas Rates

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

Trilobite Testing, Inc. Ref. No: 66357 Printed: 2019.11.08 @ 08:17:57



2.25 inches Volume:

6.75 inches

TOOL DIAGRAM

Jaspar Co

1-6s-20w Rooks, KS

PO Box 1120 Hays, KS 67601 Cole #1

Job Ticket: 66357

DST#: 2

ATTN: Cameron Brin

Test Start: 2019.11.06 @ 07:15:00

Tool Information

Drill Collar:

Drill Pipe: Length: 3334.00 ft Diameter: Heavy Wt. Pipe: Length:

Length:

3.82 inches Volume: 2.75 inches Volume: ft Diameter:

0.00 ft Diameter:

47.26 bbl - bbl 0.00 bbl Tool Weight: 2200.00 lb Weight set on Packer: 25000.00 lb Weight to Pull Loose: 95000.00 lb

Drill Pipe Above KB: 7.00 ft Depth to Top Packer: 3355.00 ft Total Volume: - bbl

Tool Chased String Weight: Initial 67000.00 lb

Depth to Bottom Packer: ft Interval between Packers: 23.00 ft Final 68000.00 lb

Tool Length: 51.00 ft

Number of Packers: 1 Diameter:

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			3328.00		
Shut In Tool	5.00			3333.00		
Hydraulic tool	5.00			3338.00		
Gap Sub	4.00			3342.00		
Safety Joint	3.00			3345.00		
Packer	5.00			3350.00	28.00	Bottom Of Top Packer
Packer	5.00			3355.00		
Stubb	1.00			3356.00		
Recorder	0.00	6838	Inside	3356.00		
Recorder	0.00	8372	Outside	3356.00		
Perforations	18.00			3374.00		
Bullnose	4.00			3378.00	23.00	Bottom Packers & Anchor

Total Tool Length: 51.00

Printed: 2019.11.08 @ 08:17:57 Trilobite Testing, Inc Ref. No: 66357



FLUID SUMMARY

Jaspar Co 1-6s-20w Rooks,KS

PO Box 1120

Job Ticket: 66357

Cole #1

DST#: 2

Hays, KS 67601

Test Start: 2019.11.06 @ 07:15:00

ATTN: Cameron Brin

Mud and Cushion Information

Mud Type:Gel ChemCushion Type:Oil API:38 deg APIMud Weight:9.00 lb/galCushion Length:ftWater Salinity:ppm

Mud Weight: 9.00 lb/gal Cushion Length: ft
Viscosity: 54.00 sec/qt Cushion Volume: bbl

8.38 in³ Gas Cushion Type:

Resistivity: ohm.m Gas Cushion Pressure: psig

Salinity: 1000.00 ppm Filter Cake: inches

Recovery Information

Water Loss:

Recovery Table

Length ft	Description	Volume bbl
40.00	SWCM w / oil spots 4%W 96%M	0.567
50.00	OCM 7%O 93%M	0.709
2.00	Clean Oil	0.028

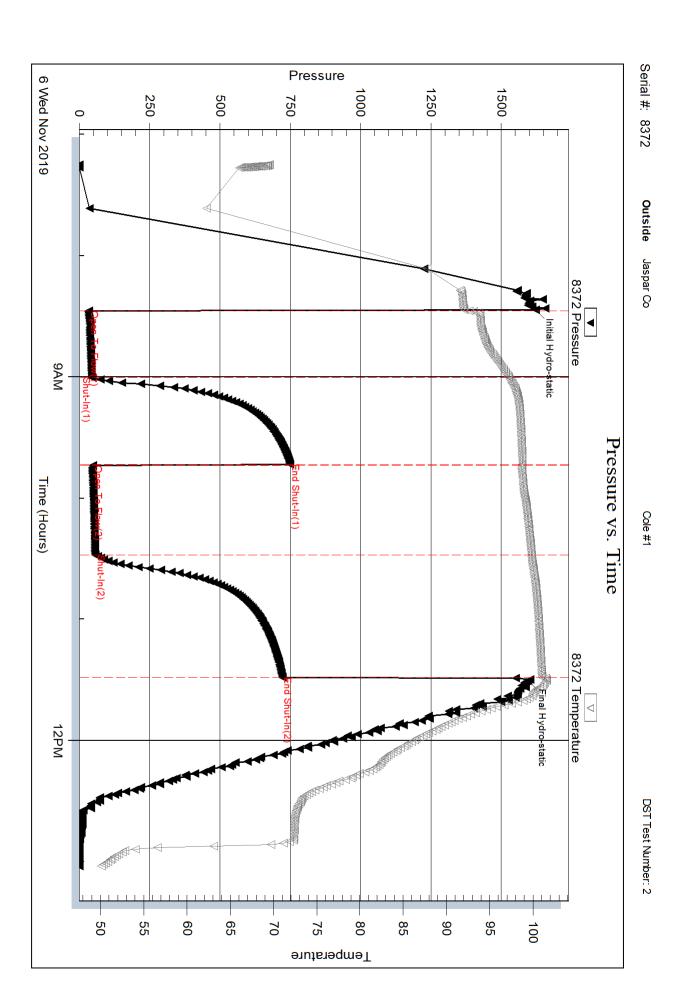
Total Length: 92.00 ft Total Volume: 1.304 bbl

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

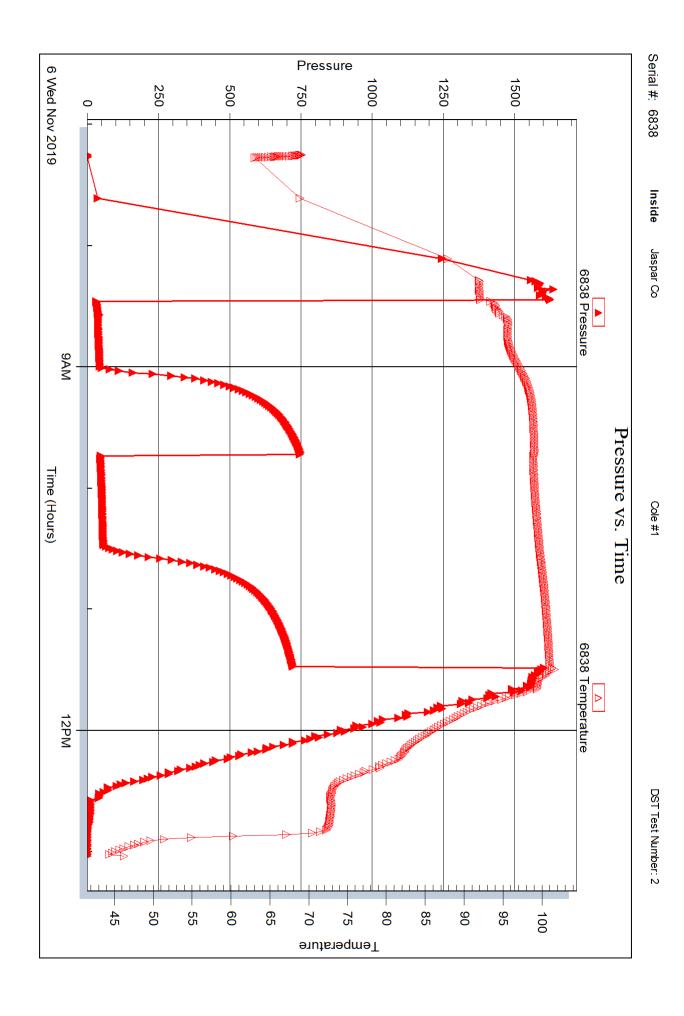
Laboratory Name: Laboratory Location:

Recovery Comments: 2#LCM

Trilobite Testing, Inc Ref. No: 66357 Printed: 2019.11.08 @ 08:17:58



Trilobite Testing, Inc



Trilobite Testing, Inc

Ref. No: 66357

Printed: 2019.11.08 @ 08:17:58



Prepared For: Jaspar Co

PO Box 1120 Hays, KS 67601

ATTN: Cameron Brin

Cole #1

1-6s-20w Rooks,KS

Start Date: 2019.11.07 @ 02:35:00 End Date: 2019.11.07 @ 08:28:02 Job Ticket #: 66358 DST #: 3

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

Printed: 2019.11.08 @ 08:17:25



Jaspar Co

1-6s-20w Rooks, KS

PO Box 1120

Cole #1 Job Ticket: 66358

DST#: 3

Hays, KS 67601

ATTN: Cameron Brin

Test Start: 2019.11.07 @ 02:35:00

GENERAL INFORMATION:

Formation: LKC 'I-J'

Time Tool Opened: 04:03:02

Deviated: No Whipstock: ft (KB)

Test Type: Conventional Bottom Hole (Reset) Tester: Spencer J Staab

> Unit No: 84

Time Test Ended: 08:28:02

3430.00 ft (KB) To 3467.00 ft (KB) (TVD)

2066.00 ft (KB)

Total Depth:

3378.00 ft (KB) (TVD)

Reference Elevations:

2060.00 ft (CF)

Interval:

KB to GR/CF:

6.00 ft

Hole Diameter:

7.88 inches Hole Condition: Poor

Serial #: 8372 Press@RunDepth: Outside

20.73 psig @

3431.00 ft (KB)

Capacity: 2019.11.07 Last Calib.:

psig

Start Date: Start Time: 2019.11.07

End Date: End Time:

08:28:02

Time On Btm:

2019.11.07 2019.11.07 @ 04:02:32

02:35:01

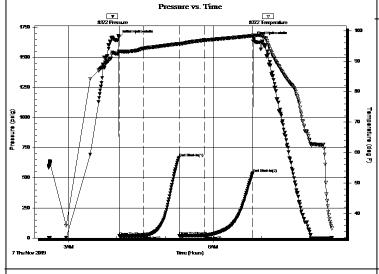
Time Off Btm: 2019.11.07 @ 06:50:17

TEST COMMENT: 30-IF-Weak; Built to 1/4"; Died back to Surface

45-ISI-No Return

30-FF-Weak Surface: Died 2 mins in

60-FSI-No Return



PRESSURE S	UMMARY
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Time	Pressure	Temp	Annotation
		•	Annotation
(Min.)	(psig)	(deg F)	
0	1667.15	93.13	Initial Hydro-static
1	16.96	93.17	Open To Flow (1)
31	17.95	94.15	Shut-In(1)
75	668.25	95.68	End Shut-In(1)
76	19.90	95.56	Open To Flow (2)
107	20.73	96.96	Shut-ln(2)
167	540.22	98.35	End Shut-In(2)
168	1653.56	98.43	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
9.00	OCM 10%O 90%M	0.13
1.00	Clean Oil 100%O	0.01
* Recovery from mult	tiple tests	

Gas Rates

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

Trilobite Testing, Inc.

Ref. No: 66358

Printed: 2019.11.08 @ 08:17:25



Jaspar Co 1-6s-20w Rooks, KS

PO Box 1120 Hays, KS 67601

Job Ticket: 66358

Cole #1

ATTN: Cameron Brin Test Start: 2019.11.07 @ 02:35:00

GENERAL INFORMATION:

Formation: LKC 'I-J'

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

Time Tool Opened: 04:03:02 Tester: Spencer J Staab Time Test Ended: 08:28:02 Unit No: 84

Interval: 3430.00 ft (KB) To 3467.00 ft (KB) (TVD) Reference Elevations: 2066.00 ft (KB) Total Depth: 3378.00 ft (KB) (TVD)

2060.00 ft (CF)

DST#: 3

Hole Diameter: 7.88 inches Hole Condition: Poor KB to GR/CF: 6.00 ft

Serial #: 6838 Inside

Press@RunDepth: 3431.00 ft (KB) Capacity: psig @ psig

Start Date: 2019.11.07 End Date: 2019.11.07 Last Calib.: 2019.11.07

Start Time: 02:35:01 End Time: Time On Btm: 08:28:02

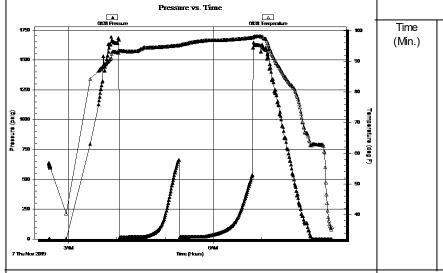
Time Off Btm:

TEST COMMENT: 30-IF-Weak; Built to 1/4"; Died back to Surface

45-ISI-No Return

30-FF-Weak Surface: Died 2 mins in

60-FSI-No Return



Ы	RESSU	RE :	SUMI	MARY

•	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
ď				
Temperatura (dec F)				
9				

Recovery

Length (ft)	Description	Volume (bbl)
9.00	OCM 10%O 90%M	0.13
1.00	Clean Oil 100%O	0.01
* Recovery from mult	iple tests	

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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Trilobite Testing, Inc. Ref. No: 66358 Printed: 2019.11.08 @ 08:17:25



TOOL DIAGRAM

Jaspar Co

1-6s-20w Rooks, KS

PO Box 1120 Hays, KS 67601 Cole #1

Job Ticket: 66358

DST#: 3

ATTN: Cameron Brin

Test Start: 2019.11.07 @ 02:35:00

Tool Information

Drill Pipe: Length: 3430.00 ft Diameter: 3.82 inches Volume: Heavy Wt. Pipe: Length: ft Diameter: Drill Collar: Length: 0.00 ft Diameter:

48.62 bbl 2.75 inches Volume: - bbl 2.25 inches Volume: 0.00 bbl

- bbl

Total Volume:

Tool Weight: 2200.00 lb Weight set on Packer: 25000.00 lb Weight to Pull Loose: 88000.00 lb

Drill Pipe Above KB: 28.00 ft Depth to Top Packer: 3430.00 ft Tool Chased String Weight: Initial 68000.00 lb

Depth to Bottom Packer: ft Interval between Packers: 37.00 ft Final 68000.00 lb

Tool Length: 65.00 ft Number of Packers:

1 Diameter: 6.75 inches

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut In Tool	5.00			3407.00		
Hydraulic tool	5.00			3412.00		
Gap Sub	4.00			3416.00		
Safety Joint	3.00			3419.00		
Change Over Sub	1.00			3420.00		
Packer	5.00			3425.00	28.00	Bottom Of Top Packer
Packer	5.00			3430.00		
Stubb	1.00			3431.00		
Recorder	0.00	6838	Inside	3431.00		
Recorder	0.00	8372	Outside	3431.00		
Perforations	32.00			3463.00		
Bullnose	4.00			3467.00	37.00	Bottom Packers & Anchor
i						

Total Tool Length: 65.00

Trilobite Testing, Inc Ref. No: 66358 Printed: 2019.11.08 @ 08:17:26



FLUID SUMMARY

Jaspar Co 1-6s-20w Rooks,KS

PO Box 1120 Cole #1

Hays, KS 67601 Job Ticket: 66358 **DST#:3**

ATTN: Cameron Brin Test Start: 2019.11.07 @ 02:35:00

Mud and Cushion Information

Mud Type:Gel ChemCushion Type:Oil API:deg APIMud Weight:9.00 lb/galCushion Length:ftWater Salinity:ppm

Mud Weight: 9.00 lb/gal Cushion Length: ft
Viscosity: 54.00 sec/qt Cushion Volume: bbl

Water Loss: 8.39 in³ Gas Cushion Type:

Resistivity: ohm.m Gas Cushion Pressure: psig

Salinity: 1000.00 ppm Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
9.00	OCM 10%O 90%M	0.128
1.00	Clean Oil 100%O	0.014

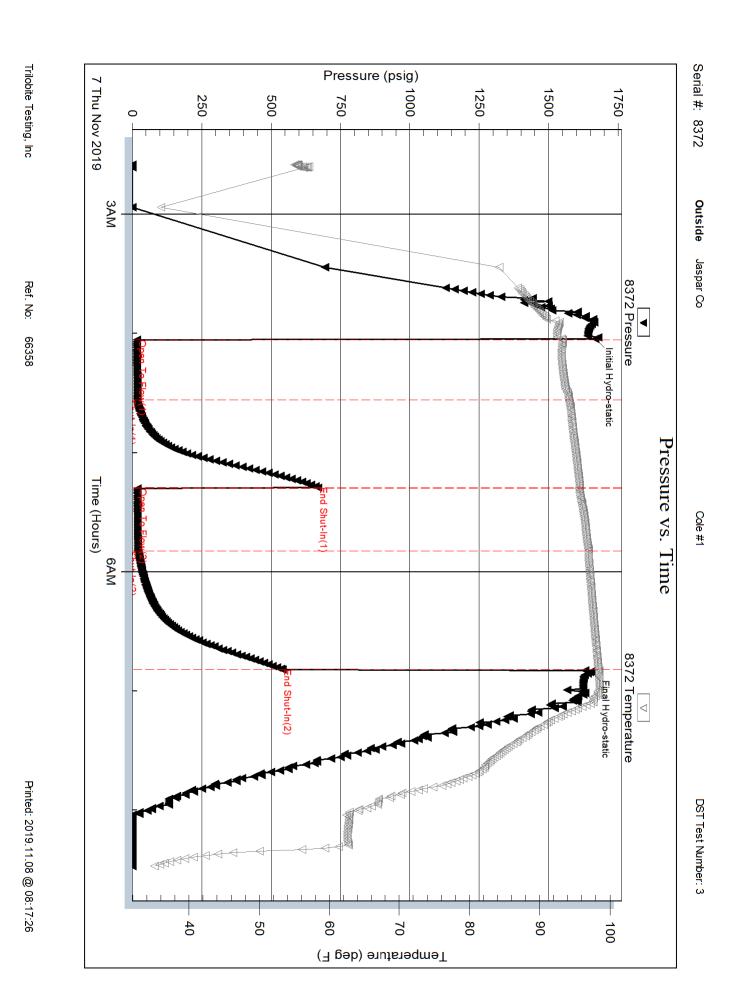
Total Length: 10.00 ft Total Volume: 0.142 bbl

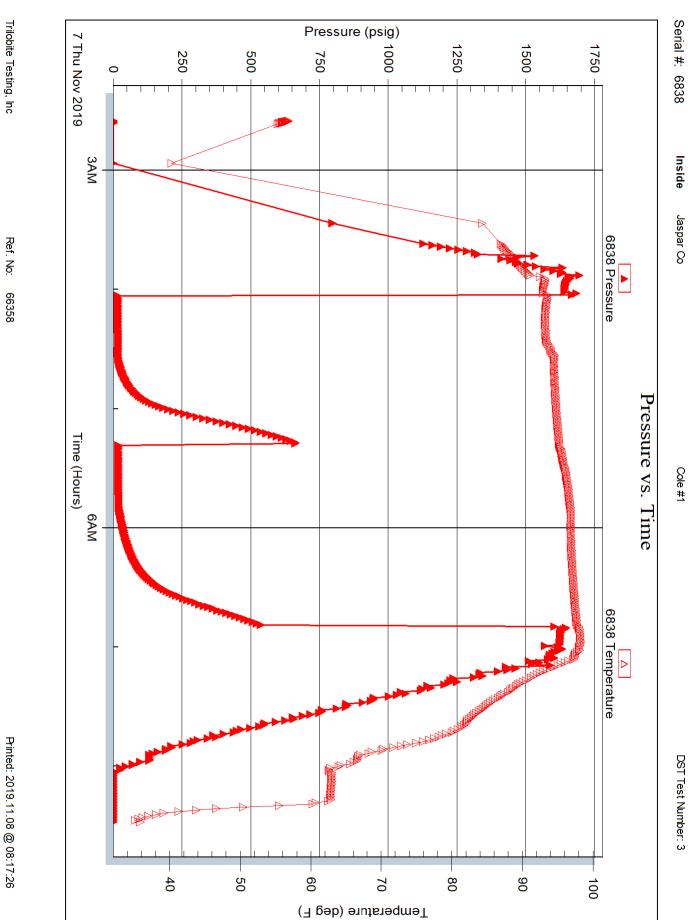
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments: 2#LCM

Trilobite Testing, Inc Ref. No: 66358 Printed: 2019.11.08 @ 08:17:26





Test Ticket 66356

NO.

ш					
1515	Commerce	Parkway	Hays,	Kansas	67601

	~~~				-
Well Name & No. Cole #1		Test No		Date 11/5/20	)19
Company Jaspan Co		Elevation_&	2066'	KB 2060'	GL
Address PO BOX 1/20	Hays Hs 6				
Co. Rep/Geo. Cameron Brin	0	Rig Flex	#1		,
Location: SecTwp	60 Rge. 20ur	co. Rooks		State <u> </u>	1
Interval Tested 3249'-3357'	Zone Tested	Toronto - & H	(C'D		
Anchor Length 108	Drill Pipe Run	3239'	Mı	id Wt. 8,7	
Top Packer Depth 3244	Drill Collars Ru			52	
Bottom Packer Depth 3249'	Wt. Pipe Run_	~	W	8.0	
Total Depth 3357'	Chlorides	<b>⊘ОО</b> ррп	System LC	м_2#	
Blow Description 27-Slid 8ft	; Weak Blow Bu	ill to 12"	: Dud	back to	1"
Sol- 9les Keturn					
77- Weak; Bull to 14	4"				
For No feeturn					
Rec 120' Feet of VS CVM		%gas	/ %oil	%water	79 %mud
Rec Feet of		%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 120' BHT	98° Gravity	API RW@		nlorides	ppm
(A) Initial Hydrostatic	\ \ \ Test \1200		T-On Loca	tion <u>/3:30</u>	
(B) First Initial Flow39	D Jars		T-Started	14:18	
(C) First Final Flow58	🗆 Safety Joint		_	77:15	
(D) Initial Shut-In85				20:45	
(E) Second Initial Flow59	Mourly Standb	yxl		2:43	
(F) Second Final Flow	Mileage 134	134	Comments		
	•				
(H) Final Hydrostatic <u>/537</u>		7	1	ol350 firs	st successf
			/ \	Shale Packer	
nitial Open 45				Packer	
nitial Shut-In60	Extra Recorde	r		Copies	
Final Flow 45	Day Standby _			250	
Final Shut-In60	- 1.0000010111()		Total	1334	
	Sub Total 1334	4	MP/DST	Disc't	11
		Our Pareacetati	As	H. B 7	han by
Approved By		Our Representative	sencer y/-	float is	Carrier !

Test Ticket 66357

NO.

1515 Commerce Parkway · Hays, Kansas 67601

410 19-18					
Well Name & No. Cole #/		Test No	2	_ Date ///6/6	2019
Company Jaspan Co		Elevation	2066	кв 2060	OGL
Address \$0 130% 1/20	Hays Is	67601 +	1120		
Co. Rep / Geo. Cameron Brin	1	Rig H	ex #1		
Location: Sec Twp	Rge. 20w	Co. <i>Phoo</i>	ks	State	3
Interval Tested 3355'- 3378'	Zone Tested	exc:	E+7'		
Anchor Length 23 t	Drill Pipe Run	3334"		Mud Wt. 8.8	3
Top Packer Depth 3350	Drill Collars Run			vis <u>54</u>	
Bottom Packer Depth 33.55	Wt. Pipe Run	_		WL 8.4	
Total Depth 3378	Chlorides/(	000	ppm System	LCM_2#	
DSD- No Return.					
77- Weak, Built to 3"					
150- No Keturn	/				
Rec 40 Feet of SWCM wor	spots	%gas	%oil	4 %water	96 %mud
Rec 50 Feet of OCM		%gas	7 %oil	%water	93 %mud
Rec_ 2' Feet of Clean Oal		%gas	/60 %oil	%water	%mud
Rec Feet of		%gas	%oil	%water	%mud
RecFeet of		%gas	%oil	%water	%mud
Rec Total 92' BHT 101°	1.000	API RW	°	F Chlorides	ppm
(A) Initial Hydrostatic 1621	₩ Test 1200			ocation 06:55	
(B) First Initial Flow 34	☐ Jars			led 07:15	
(C) First Final Flow 44	☐ Safety Joint		T-Ope	08:28	
(D) Initial Shut-In 748	Circ Sub			nd//:38	W.C. 13
(E) Second Initial Flow	☐ Hourly Standby			13:02	
(F) Second Final Flow	Mileage 134		Comm	ents	
(G) Final Shut-In	☐ Sampler				
(H) Final Hydrostatic 1595	☐ Straddle		-	/ Tool350	70.00
	☐ Shale Packer		7		
Initial Open 30	☐ Extra Packer			ined Shale Packer_	
Initial Shut-In45	☐ Extra Recorder			ined Packer	
Final Flow	☐ Day Standby			tra Copies	
Final Shut-In60	☐ Accessibility			1684	
	Sub Total 133			ST Disc't	
Approved By		ır Representative	0// //	Steal 7	lanhs!
T-11-1-1- T-11-1-1-1-1-1-1-1-1-1-1-1-1-1		The state of the s	17	111	BUT TOTAL

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 less suffered or suffained, 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.



## RILOBITE ESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

NO.

,, .			11/2/20	10
	Elevation_6	20661	KB_2060_	GL
2/ 1 2/s 67				
Frays 100	Big Fle	A		
20		//	State 24s	
Rge. dow	9/10 1	0,0'		
Zone Tested Z	2000	X + Y	88	
Drill Pipe Run	3430			
Drill Collars Run	~	Vis		
Wt. Pipe Run				
Chlorides 100	3		м_ <i>2</i> #	
to 4"; Died:	to Surla	ce.		
	D			
amin in				
(777)				
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Gravity				%mud
1200	T HVV			ppm
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☐ Extra Packer				
☐ Extra Recorder				117000000000000000000000000000000000000
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☐ Day Standby		Oub lotal _		
Accessibility			168	194
		1		
	Rge. 20 Cone Tested 2 Cone Tes	Test No.	Test No	Test No.   3   Date

788-259-0756

# QUALITY OILWF L CEMENTING, INC. Federal Tax I.D.# 20-2886107

Phone 785-483-1071

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

No. 1612

Cell 765-324-1041	112000	1-		S FEED	0.71	200		T Sheepers
Here taking out ear to	Sec.	Twp.	Range	0	County	State	On Location	Finish
Date /1 - 8 - 2019		6	20		eK'S	Kansas	strate destrate de la constante de la constant	5:00 PM
<b>A</b> .		forests of	AU SIST A D	Locat	tion S Tock	TON 9 N 13	w 25 /E+	SINTO
Lease Coke	<b>h</b> .	h at vde	Well No:#/	Self poli	Owner	Oilean II Commenting a land	DULL ME PER LOCAL	Januar I againe
Contractor Flex	DRLG.	Right	1 Gliff	Mi	You are he	Oilwell Cementing, Inc reby requested to rent	cementing equipmen	t and furnish
Type Job PRODUCTI	ON S	TRING	BEWAN Janua	, , ,	cementer a	and helper to assist ow	ner or contractor to d	o work as listed.
Hole Size 7 7/8	-O.L	T.D.	353	6,	Charge To	JASPAR (	0.	tosinos etilidile
Csg. 5/2 15	5°#	Depth	353	4	Street	adia san arti biasirin	tent to no see that	ministrate votat viite
Tbg. Size		Depth			City		State	s mue aulthouser
Tool ATCH DO	WM	Depth	512.	23	The above v	was done to satisfaction a	and supervision of owner	agent or contractor.
Cement Left in Csg2/	111	Shoe J	loint 21:	1	Cement Ar	mount Ordered 150	SK, Com. 10%5	SALT 5% Gil
Meas Line 8	3.0/8	BL Displace	ce 23. 61	BBL	A Stranger	- Company of the Comp		
astronymobali a volum	EQUIP	MENT		a bas su	Common	130	to an become	Sou su YTGALC
Pumptri 20 No. Cem	nenter	HH 52 yr	Glenn G.	Marina :	Poz. Mix	io will be backer or	en de la len el	RESERVATION SERVE
Bulktrk# 9 No. Drive		21 11 2193	WIKE B	BLU LAS	Gel.	abaan ye a r	The very left	AD 45 STORES
Bulktrk No. Drive		N - 1	Action of course	2000	Calcium	TELEVICE CONTROL FOR		
JOB S	ERVICES	& REMA	ARKS	peranto a	Hulls			
Remarks: JoinT's	34.86	89	out.	ikted Slig	Salt /	3450		
Rat Hole 36	SX	1	d Set All magning	TUAM.	Flowseal	sa da ad 14		*
Mouse Hole 15	SX	best yes	Lumage Sma	10 J. 886	Kol-Seal	950A		
Centralizers / 3 5 9	44	46.	51		Mud CLR	48 500 GAL		
Baskets 2, 6, 46	52	1				r CD110 CAF 38		hen Henville
DAV or Port Collar, 16	700	- To	in+#4	-Scollar	THE G YEST	Such so regression	THE BOLL THE GROUNDED.	7 2 9
					Handling	176	Mar Dien Die	euch loss of dans
Ray 5 1/2 CSG,	SPT	(a) 2	524' D	AFIJE	Mileage			261 (BWV , A.
Recieved Ciri	Culati	W N	00 0 CL E	apula.		FLOAT EQUIPM	/FNT	
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Sme it Down	Hale	01	10 C CV	dust.	Baskets -	AS	по во селено подвит	nelikog jel beskir
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Plua +	Dico	LAAD	2 78	TAI	Float Shoe		Arthornus I	DE LOW ZHALISHER
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LIAN GOOT	-1.07	- II	antika yendar	ylaid bris	D /	Blan-1	APTION - USE OF	A RUE GORRE
AND Plan	D 15	90#	2		JOK! C	OHYK - I		r to libited select
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X Signature Show	0 1)21		egik ber bener Like is Vitt Let	IO to ex	Select de la company		Total Charge	
Signature 2 1000	- 00	80	NAME OF TAXABLE PARTY.	bell at the			Total Orlarge	

## GENERAL TERMS A JUITIONS

DEFINITIONS: In these terms and conditions, "Quality" shall meat. Oilwell Cementing, Inc., and "Customer" shall refer to the party identified by that term on the front of this contract. As applicable, "Job" relates to the services described on the front side of this contract, "merchandise" refers to the material described on the front of this contract and to any other materials, products, or supplies used, sold, or furnished under the requirements of this contract.

- TERMS: Unless satisfactory credit has been established, "CUSTOMER" must tender full cash payment to "QUALITY" before the job is undertaken or merchandise is delivered. If satisfactory credit has been established, the terms of payment for the job and/or merchandise, including bulk cement, are not cash, payable in 30 days from the completion of the job and/or delivery of the merchandise. For all past due invoices, "CUSTOMER" agrees to pay interest on amounts invoiced at a rate of 18 percent per annum until paid. Notwith-standing the foregoing in no event shall this Contract provide for interest exceeding the maximum rate of interest that "CUSTOMER" may agree to pay under applicable law. If any such interest should be provided for, it shall be and hereby is deemed to be a mistake, and this contract shall be automatically reformed to lower the rate of interest to the maximum legal contract rate, any amounts previously paid as excess interest shall be deducted from the amounts owing from the "CUSTOMER" or at the option of "QUALITY," refunded directly to "CUSTOMER." For purposes of this paragraph, QUALITY and CUSTOMER agree that KANSAS law-shall apply. Any discounts granted with this contract are null and void if the charges are not paid when due.
- ATTORNEY FEES: In any legal action or proceeding between the parties to enforce any of the terms of this Service Contract, or in any way pertaining to the term of this Contract, the prevailing party shall be entitled to recover all expenses, including, but not limit to, a reasonable sum as and attorney's fees.
- PRICES AND TAXES: All merchandise listed in "QUALITY'S" current price shall schedule are F.O.B. QUALITY'S local station and are subject to change without notice. All prices are exclusive of any federal, state, local, or special taxes for the sale or use of the merchandise or services listed. The amount of taxes required to be paid by QUALITY shall be added to the quoted prices charged to CUSTOMER.
- TOWING CHARGES: QUALITY will make a reasonable attempt to get to and from each job site using its own equipment. Should QUALITY be unable to do so because of poor or inadequate road conditions, and should it become necessary to employ a tractor or other pulling equipment to get to or from the job site, the tractor or pulling equipment will be supplied by CUSTOMER or, if furnished by QUALITY, will be charged to and paid by CUSTOMER.
- PREPARATION CHARGES: If a job and/or merchandise is ordered and CUSTOMER cancels the order after preparation of a chemical solution or other material, CUSTOMER will pay QUALITY for the expenses incurred by QUALITY as a result of the cancellation.
- DEADHAUL, CHARGES: Unless otherwise specified on the front of this Contract, a deadhaul charges as set forth in QUALITY'S current price book will be charged each way for each service unit which is ordered by CUSTOMER but not used.
- SERVICE CONDITIONS AND LIABILITIES: 1. QUALITY carries public liability and property damage insurance, but since there are so many uncertain and unknown conditions beyond QUALITY'S control; QUALITY shall not be liable for injuries to property or persons or for loss or damage arising from the performance of the job or delivery of the merchandise. Customer shall be responsible for and indemnify, defend, and hold harmless QUALITY, its officers, agents and employees, from and against any and all claims or sults for:
- (A) Damage to property or for bodily injury, sickness, disease, or death, brought by any person, including CUSTOMER and/or the well owner; and:
- (B) Oil spills, pollution, surface or sub-surface damage, injury to the well, reservoir loss, or damage arising from a well blowout arising out of or in connection with QUALITY'S performance of the job or furnishing-of merchandise in accordance with this centract, unless such loss or damage is caused by the willful misconduct or gross negligence of QUALITY or its employees.
- 2. With respect to any of QUALITY'S tools, equipment, or instruments which are lost in the well or damaged when performing or attempting to perform the job or, in the case of marine operations, are lost or damaged at any-time after delivery to the landing for GUSTOMER and before return to QUALITY at the landing, CUSTOMER shall alther recover the lost item without cost to QUALITY or reimburse QUALITY the current replacement cost of the item unless the loss or damage results from the sole negligence of QUALITY or its employees.
- 3. QUALITY does not assume any liability or responsibility for damages or conditions resulting from chemical action in cements caused by contamination of water or other fluids.
- WARRANTIES: 1. QUALITY warrants all merchandise manufactured or furnished by it to be free from defects in material and workman-ship under normal use and service when installed, and used, and/or serviced in the manner provided and intended. QUALITY'S obligation under this warranty is expressly limited to repair replacement, or allowance for credit, at its option, for any merchandise which is determined by QUALITY to be defective. THIS IS THE SOLE WARRANTY OF QUALITY AND NO OTHER WARRANTY'IS APPLICABLE, EITHER EXPRESS OR OTHERWISE IMPLIED, IN FACT OR IN LAW, INCLUDING ANY WARRANTY AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE, CUSTOMER'S sole and only remedy with regard to any defective merchandise shall be the repair or replacement thereof or allowance for credit as herein provided, and QUALITY shall not be liable for any consequential, special, incidental, or punitive damages resulting from or caused by defective materials, products or supplies.
  - 2. More specifically:
- (A) Nothing in this contract shall be constructed as a warranty by QUALITY of the success or the effectiveness of the result of any work done or merchandise used, sold, or furnished under this contract.
- (B) Nothing in this contract shall be construed as a warranty of the accuracy or correctness of any facts, information, or data furnished by QUALITY or any interpretation of test, meter readings, chart information, analysis or research, or recommendations made by QUALITY, unless the inaccuracy or incorrectness is caused by the willful misconduct or gross negligence of QUALITY or its employees in the preparation or furnishing of such facts, information or data. (C) Work done by QUALITY shall be under the direct supervision and control of the CUSTOMER or his agent and QUALITY will accomplish the job as an independent contractor and not as an employee or agent of the CUSTOMER.



Scale 1:240 Imperial

Well Name: COLE #1

Surface Location: SW SW SW, Sec. 1- T6S- R20W

Bottom Location:

API: 15-163-24404

License Number: 34903

Spud Date: 11/1/2019 Time: 5:45 PM

Region: ROOKS COUNTY

Drilling Completed: 11/7/2019 Time: 3:40 PM

Surface Coordinates: 330' FSL & 330' FWL

**Bottom Hole Coordinates:** 

Ground Elevation: 2060.00ft K.B. Elevation: 2066.00ft

Logged Interval: 3000.00ft To: 3536.00ft

Total Depth: 3536.00ft

Formation: REAGAN SAND/ LKC

Drilling Fluid Type: CHEMICAL

**OPERATOR** 

Company: JASPAR CO. INC Address: P.O. BOX 1120

Contact Geologist: SHANE VEHIGE Contact Phone Nbr: (785) 632-6982

Well Name: COLE #1

Location: SW SW SW, Sec. 1- T6S- R20W

API: 15-163-24404

Pool: Field: WILDCAT

State: KS Country:

SURFACE CO-ORDINATES

Well Type: Vertical
Longitude: -99.50771
Latitude: 39.55437
N/S Co-ord: 330' FSL
E/W Co-ord: 330' FWL

**LOGGED BY** 

Company:

Address: 2717 HICKORY

HAYS, KS 67601

Phone Nbr: (785) 639-0721

Logged By: Geologist Name: CAMERON BRIN

CONTRACTOR

Contractor: FLEX DRILLING INC.

Rig #: 1

Rig Type: MUD ROTARY

 Spud Date:
 11/1/2019
 Time:
 5:45 PM

 TD Date:
 11/7/2019
 Time:
 3:40 PM

 Rig Release:
 11/8/2019
 Time:
 6:00 PM

**ELEVATIONS** 

K.B. Elevation: 2066.00ft Ground Elevation: 2060.00ft

K.B. to Ground: 6.00ft

#### **NOTES**

AFTER REVIEWING THE LOGS AND STRUCTURAL COMPARISON TO NEARBY WELLS, DESCISON WAS MADE TO RUN 5 1/2" PRODUCTION CASING FURTHER EVALUATE THE COLE #1 WELL.

#### DST #1 TORONTO- LKC D



#### DRILL STEM TEST REPORT

Jaspar Co 1-6s-20w Rooks,KS

PO Box 1120 Cole #1

Hays, KS 67601 Job Ticket: 66356 **DST#:1** 

ATTN: Cameron Brin Test Start: 2019.11.05 @ 14:45:03

#### GENERAL INFORMATION:

Formation: Toronto - LKC "D"

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

Time Tool Opened: 17:44:50 Tester: Spencer Staab

Time Test Ended: 23:12:05 Unit No: 84

Interval: 3249.00 ft (KB) To 3357.00 ft (KB) (TVD) Reference Elevations: 2066.00 ft (KB)

Total Depth: 3357.00 ft (KB) (TVD) 2060.00 ft (CF)

Hole Diameter: 7.88 Inches Hole Condition: Good KB to GR/CF: 6.00 ft

Serial #: 6838 Inside

 Press@RunDepth:
 75.44 psig @ 3254.00 ft (KB)
 Capacity:
 psig

 Start Date:
 2019.11.05
 End Date:
 2019.11.05
 Last Calib.:
 2019.11.05

Start Time: 14:45:04 End Time: 23:12:05 Time On Btm: 2019.11.05 @ 17:43:50

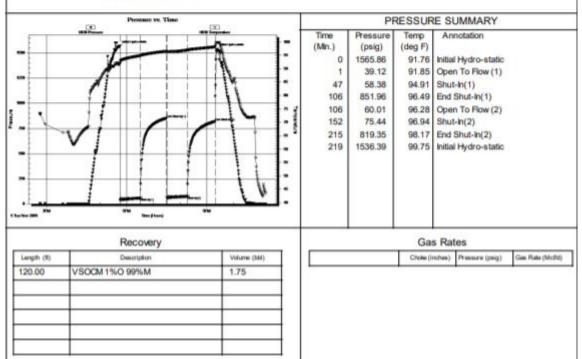
Time Off Blin:

TEST COMMENT: 45 IFP-Slid 8' Weak blow built to 1 1/2" died to 1"

60 ISI-No blow back

45 FFP. Weak blow built to 1 1/4"

60 FSI-No blow back



#### DST #2 LKC E-F



#### DRILL STEM TEST REPORT

Jaspar Co 1-6s-20w Rooks,KS

A STATE OF THE STA

PO Box 1120 Cole #1
Hays, KS 67601 Job Ticket: 66357 DST#:2

ATTN: Cameron Brin

GENERAL INFORMATION:

Formation: LKC 'E-F'

Time Test Ended: 13:02:02

Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial)
Time Tool Opened: 08:27:17 Tester: Spencer J Staab

Tester: Spencer J S

Test Start: 2019.11.06 @ 07:15:00

3355.00 ft (KB) To 3378.00 ft (KB) (TVD) Interval:

Total Depth: 3378.00 ft (KB) (TVD)

7.88 inches Hole Condition: Poor Hole Diameter:

2066.00 ft (KB) Reference Bevations: 2060.00 ft (OF)

KB to GRICE: 6.00 ft

Serial #: 8372 Outside

Start Time:

57.90 psig @ 3356.00 ft (KB) Press@RunDepth: Start Date: 2019.11.06 End Date: 07:15:01

2019.11.06 13:02:02

Capacity: Last Calib .:

psig 2019.11.06

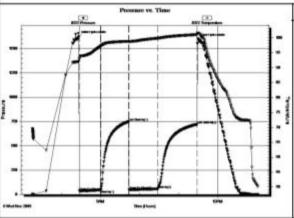
Time Off Btm: 2019.11.06 @ 11:30:17

Time On Btm: 2019.11.06 @ 08:26:47

TEST COMMENT: 30-F-Weak Built to 1"

45-ISI-No Return 45-FF-Weak; Built to 3" 60-FSI-No Return

End Time:



1 34.67 92.66 Open To Flow (1) 34 44.63 97.19 Shut-ln(1) 77 748.97 98.77 End Shut-ln(1)	9 Initial Hydro-static 5 Open To Flow (1) 9 Shut-In(1) 7 End Shut-In(1)	
1 34.67 92.66 Open To Flow (1) 34 44.63 97.19 Shut-In(1) 77 748.97 98.77 End Shut-In(1)	Open To Flow (1) Shut-in(1) End Shut-in(1)	
34 44.63 97.19 Shut-in(1) 77 748.97 98.77 End Shut-in(1)	Shut-in(1) End Shut-in(1)	
77 748.97 98.77 End Shut-In(1)	7 End Shut-In(1)	
77 48.92 98.68 Open To Flow (2)	Open To Flow (2)	
122 57.90 99.84 Shut-In(2)	Shut-In(2)	
182 721.50 101.08 End Shut-In(2)	End Shut-In(2)	
184 1595.13 101.53 Final Hydro-static	Final Hydro-static	

#### Recovery

Longth (ft)	Description	Volume (bbl)
40.00	SWCM w / oil spots 4%W 96%M	0.57
50.00	OCM 7%O 93%M	0.71
2.00	Clean Oil	0.03

	tes

Gas Rate (McN)

#### DST #3 LKC I-J



#### DRILL STEM TEST REPORT

Jaspar Co

1-6s-20w Rooks, KS

PO Box 1120

Cole #1

Hays, KS 67601

Job Ticket: 66358 DST#:3

ATTN: Cameron Brin

Test Start: 2019.11.07 @ 02:35:00

## GENERAL INFORMATION:

Time Test Ended: 08:28:02

Formation:

LKC 'I-J'

No Whipstock: Deviated Time Tool Opened: 04:03:02

ft (KB)

Test Type: Conventional Bottom Hole (Reset)

Tester: Spencer J Staab

84

Unit No:

3430.00 ft (KB) To 3467.00 ft (KB) (TVD) Interval:

Reference Bevations:

2066.00 ft (KB) 2060.00 ft (CF)

Total Depth: 3378.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor KB to GRICF:

6.00 ft

Serial #: 8372 Outside

Press@RunDepth:

20.73 psig @ 3431.00 ft (KB)

2019.11.07

Capacity: Last Calib.:

paig

Start Date: 2019.11.07 Start Time: 02:35:01

End Date: End Time:

08:28:02

Time On Blm: Time Off Btm:

2019.11.07 2019.11.07 @ 04:02:32 2019.11.07 @ 06:50:17

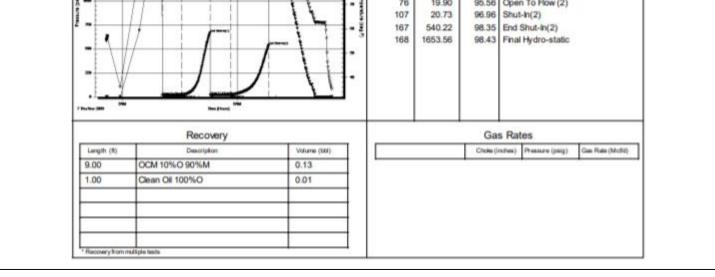
TEST COMMENT: 30-IF-Weak; Built to 1/4"; Died back to Surface

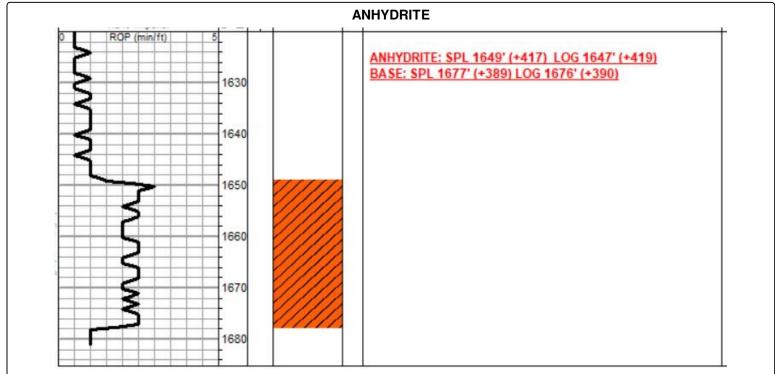
45-ISI-No Return

30-FF-Weak Surface; Dled 2 mins in

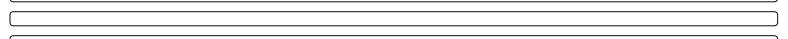
60-FSI-No Return

		PF	RESSUR	RE SUMMARY	
- [	Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation	
	0	1667.15	93.13	Initial Hydro-static	
	1	16.96	93.17	Open To Flow (1)	
	31	17.95	94.15	Shut-In(1)	
-	75	668.25	95.68	End Shut-In(1)	
- 11	400	1000	40000		





						•					P&A 4	/9/2012				P&A 3/30	/2018						•			
					Al	AMES ENERGY EXPLORATION				K&E PETROLEUM				AMES ENERGY EXPLORATION						AMES ENERGY EXPLORATION						
49					60	HANSEN ESTATE #1					HANSEN FOUNDATION #3					NICHOL #1					HAMIT #1					
		COL	E #1	805 <b>-</b>	N2	N2 SE SW SE, Sec. 2-T6S-R20W				E2 SE NE NE, Sec. 11-T6S R20W W2 E2 SE S					V2 E2 SE SW, Sec. 2-T6S-R18W					SE NW SE, Sec. 2-T6S-R20W						
	KB	2066	GL	2060	KB	la l	208	2		KB		2106			KB		213	31			KB		21	L38		
	LOG	TOPS	SAMP	LE TOPS	L	.og	LO	G	SMPL.	L	0G	LOG	SI	MPL.	LO	GS	LC	OG	SM	IPL.	COMI	P. CARD	LO	G	SIV	
FORMATION	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	COI	RR.	CORR.	DEPTH	DATUM	CORR.	C	ORR.	DEPTH	DATUM	CO	RR.	CO	RR.	DEPTH	DATUM	CO	RR.	CC	
ANHYDRITE TOP	1647	419	1649	417	1666	416	+	3	+ 1	1692	414	+ 5	+	3	1725	406	+	13	+	11	1721	417	+	2	+	
BASE	1676	390	1677	389						1722	384	+ 6	+	5	1736	395	-	5	-	6	1751	387	+	3	+	
TOPEKA	3056	-990	3058	-992	3070	-988	Ť	2	- 4	3092	-986	- 4	-	6	3118	-987	(43)	3	-	5	3129	-991	+	1	-	
HEEBNER SHALE	3254	-1188	3255	-1189	3266	-1184	100	4	- 5	3289	-1183	- 5		6	3315	-1184	-	4	-	5	3328	-1190	+	2	+	
TORONTO	3276	-1210	3278	-1212	3289	-1207		3	- 5	3312	-1206	- 4	1	6	3339	-1208		2	-	4	3351	-1213	+	3	+	
LKC	3290	-1224	3293	-1227	3304	-1222	1	2	- 5	3325	-1219	- 5	-	8	3353	-1222	-	2	-	5	3365	-1227	+	3	+	
BKC	3487	-1421	3487	-1421	3500	-1418	Ť	3	- 3	3520	-1414	- 7		7	3546	-1415	-83	6	-	6	3559	-1421	+	0	+	
					8														1							
REAGAN SAND					3554	-1472				3577	-1471				3599	-1468					3616	-1478				
TOTAL DEPTH	3525	-1459	3536	-1470	3557	-1475	+	16	+ 5	3575	-1469	+ 10	-	1	3603	-1472	+	13	+	2	3618	-1480	+	21	+	







shale, gry



Carbon Sh shale, red

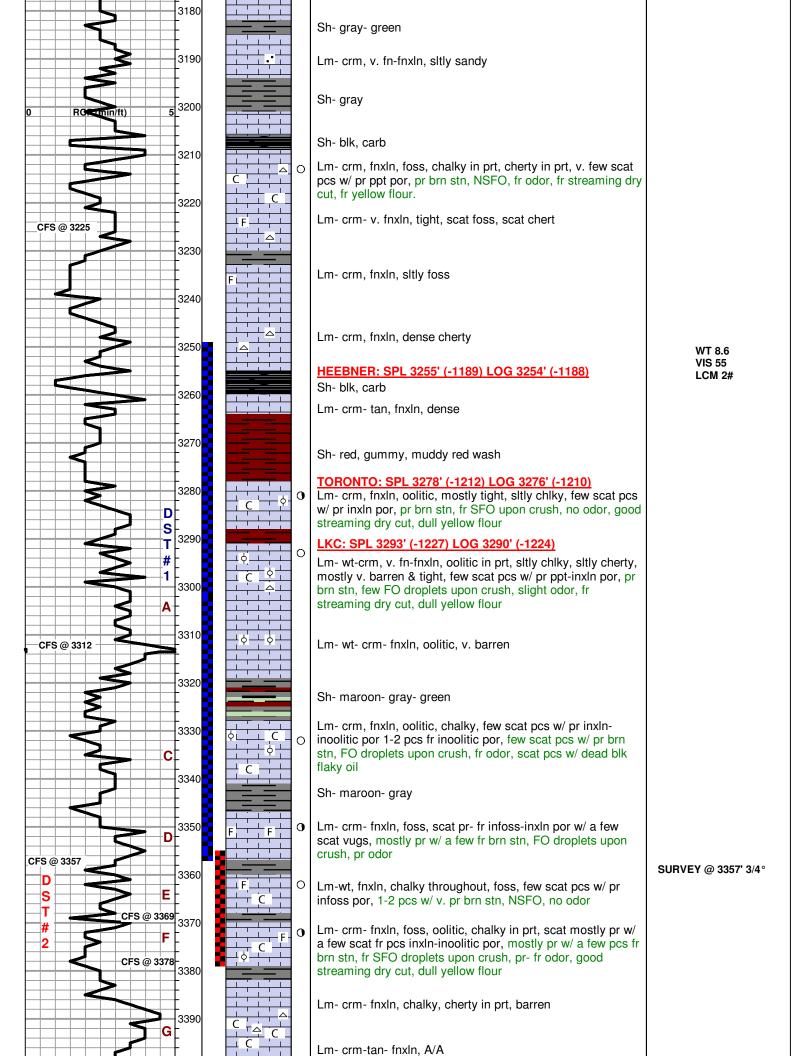
#### **ACCESSORIES**

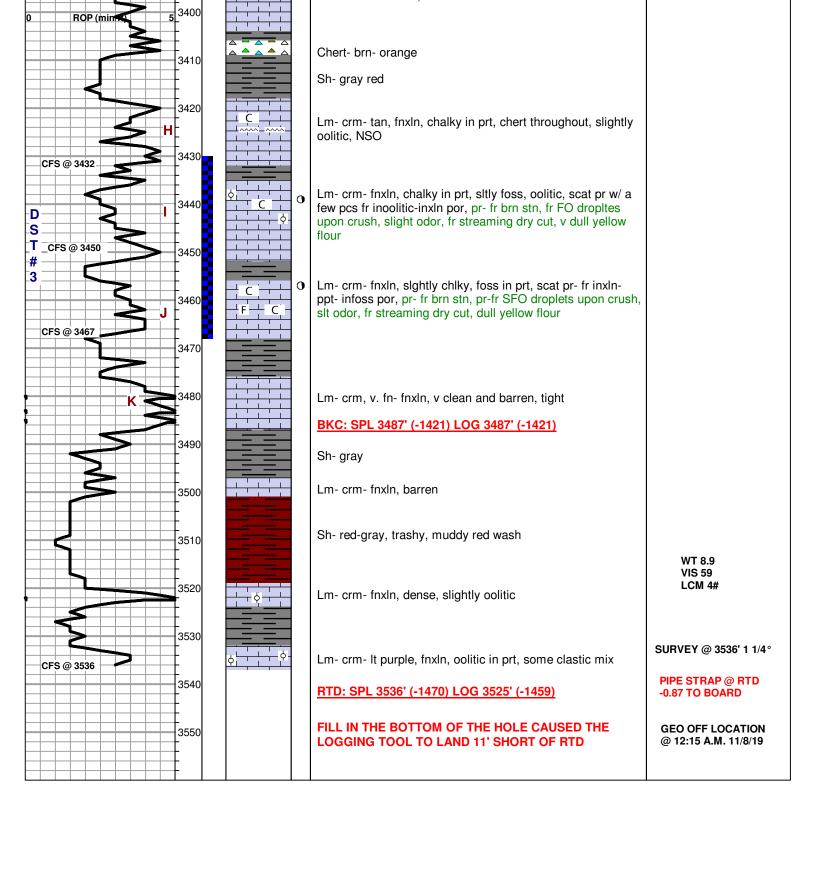
**MINERAL** Sandy △ Chert White **FOSSIL** F Fossils < 20% ♦ Oolite

**STRINGER** ^^~ Chert

**TEXTURE** C Chalky

Printed by GEOstrip VC Striplog version 4.0.8.15 (www.grsi.ca) Curve Track #1 Curve Track #3 ROP (min/ft) Depth | Intervals Lithology Oil Show DST Geological Descriptions Sored Interval **DST Interval** 1:240 Imperial 1:240 Imperial ROP (min/ft) START 1' DRILL TIME FROM 1620'-1700' FOR **GEO ON LOCATION @ ANHYDRITE** 2:00 P.M. 9/4/19 START 1' DRILL TIME FROM 3000'- RTD 3010 START 10' WET/ DRY SAMPLES FROM 3030'- RTD 8 5/8" SURFACE CASING SET @ 220' w/ Sh- gray, sltly sandy 150 SKS 80/20, 3% cc, 3020 2% GEL. Lm- gray, fnxln, dense **DID CIRCULATE** 3030 SURVERY @ 221' 1/2° Sh- gray- red, muddy red wash in part 3040 Sh- gray, sltly muddy, scat well conslidated Ss clusters 3050 Sh- red, muddy, soft TOPKEA: SPL 3058' (-992) LOG 3056' (-990) 3060 Lm- crm- gray, fnxln, scat foss, some dense, sandy in prt 3070 Lm- A/A Lm- gray- crm, fnxln, foss, scat sandy, few scat Ss clusters, cherty in prt 3080 Sh- gray 3090 Lm- gray- crm, fnxln, scat foss, scat sandy, mostly soft Sh- gray, sandy in prt 3100 Lm- crm, v. fn-fnxln, few scat pcs w/ pr inxln por, NSO Sh- gray 3110 Lm- crm- gray, fnxln- sltly granular, foss, few scat pcs w/ pr ppt por, NSO 3120 Lm- crm, fnxln- sltly granular, foss throughout, sandy, few pcs w/ pr inxln por, NSO 3130 3140 Lm- crm, fnxln, foss throughout, scat chert, mostly dense Lm- crm, vfn-fnxln, foss, mostly dense, sandy in prt 3150 3160 Lm- crm-gray, fnxln, soft, chalky, sandy 3170





# QUALITY OILWELL CEMENTING, INC. Federal Tax I.D.# 20-2886107

Phone 785-483-1071 Cell 785-324-1041

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

No. 1931

Sec.	Twp.	Range		County	State	On Location	Finish							
Date 2 - 6 - 20 /	6	20	Ken	K5	K3	1	1.000							
			1 1 3 1 1 1	Service de la companya della companya della companya de la companya de la companya della company	ON SNER	2 1300 51	RD							
Lease Cole	,	Well No.		Owner 3/2 1/2 F. 110										
Contractor Maverigk				To Quality Oilwell Cementing, Inc.  You are hereby requested to rent cementing equipment and furnish										
Type Job Part Collar				cementer and helper to assist owner or contractor to do work as listed.										
Hole Size 7/8	T.D.			Charge Jaspan Company										
Csg. 5 /2	Depth			Street	<i>-</i>	, ,	<b>y</b>							
Tbg. Size 278	Depth			City		State								
Tool Reinhardts Chasma	Depth	1666		The above wa	s done to satisfaction	and supervision of owner	agent or contractor.							
Cement Left in Csg.	Shoe J	oint		Cement Amo	unt Ordered 42	- 80/20 QMDC	14 # MO							
Meas Line	Displac	<u> 82</u>	<i>;</i> —	u	sed 215		19.							
EQUIPM				Common	15 8/20 Q	moc								
Pumptrk No. Cementer Helper	ar's			Poz. Mix										
Bulktrk Driver				Gel.										
Bulktrk 19 No. Driver Driver	/		•	Calcium										
JOB SERVICES	& REMA	RKS		Hulls										
Remarks: KCC Va+ B-	odore			Salt										
Rat Hole				Flowseal /	00 H									
Mouse Hole	· .	· · · · · · · · · · · · · · · · · · ·	£ 1	Kol-Seal										
Centralizers			∵,	Mud CLR 48										
Baskets				CFL-117 or C	D110 CAF 38	<del></del>								
DAVor Port Collar	· *165 - 2			Sand										
+ ANT CALAK A Veleto.	10	st 10	Se	Handling 4	125	Francisco								
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:restation-		<b>/</b> 1			FLOAT EQUIPA	ENT								
Mix2155K.Com	حديلا	incolated	<i>9</i>	Guide Shoe										
DEDLACE 8BL. Cla	95c -	tool.	Kar.	Centralizer										
Pressure to 10004.				Baskets										
Kin Schits V	ansh	Chain.	<u>e</u> 4	AFU Inserts										
	retractifs.			Float Shoe			<u> </u>							
(USE) 2155E	7 (10 mm)		37	Latch Down	Priz 1 4,000									
and the same		121												
	21. A	WILL	4											
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·				Mileage 62	2/	Suite P.								
1, -						Tax								
Shere Vehza	,			14 1		Discount								
Signature						Total Charge								

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- -ATTORNEY FEES: In any legal action or proceeding between the parties to enforce any of the terms of this Service Contract, or in any way pertaining to the term of this Contract, the prevailing party shall be entitled to recover all expenses, including, but not limit to, a reasonable sum as and attorney's fees.
- PRICES AND TAXES: All merchandise listed in "QUALITY'S" current price shall schedule are F.O.B. QUALITY'S local station and are subject to change without notice. All prices are exclusive of any federal, state, local, or special taxes for the sale or use of the merchandise or services listed. The amount of taxes required to be paid by QUALITY shall be added to the quoted prices charged to CUSTOMER.
- TOWING CHARGES: QUALITY will make a reasonable attempt to get to and from each job site using its own equipment. Should QUALITY be unable to do so because of poor or inadequate road conditions, and should it become necessary to employ a tractor or other pulling equipment to get to or from the job site, the tractor or pulling equipment will be supplied by CUSTOMER or, if furnished by QUALITY, will be charged to and paid by CUSTOMER.
- PREPARATION CHARGES: If a job and/or merchandise is ordered and CUSTOMER cancels the order after preparation of a chemical solution or other material, CUSTOMER will pay QUALITY for the expenses incurred by QUALITY as a result of the cancellation.
- DEADHAUL, CHARGES: Unless otherwise specified on the front of this Contract, a deadhaul charges as set forth in QUALITY'S current price book will be charged each way for each service unit which is ordered by CUSTOMER but not used.
- SERVICE CONDITIONS AND LIABILITIES: 1. QUALITY carries public liability and property damage insurance, but since there are so many uncertain and unknown conditions beyond QUALITY'S control, QUALITY shall not be liable for injuries to property or persons or for loss or damage arising from the performance of the job or delivery of the merchandise. Customer shall be responsible for and indemnify, defend, and hold harmless QUALITY, its officers, agents and employees, from and against any and all claims or suits for:
- (A) Damage to property or for bodily injury, sickness, disease, or death, brought by any person, including CUSTOMER and/or the well owner; and:
- (B) Oil spills, pollution, surface or sub-surface damage, injury to the well, reservoir loss, or damage arising from a well blowout arising out of or in connection with QUALITY'S performance of the job or furnishing of merchandise in accordance with this contract, unless such loss or damage is caused by the willful misconduct or gross negligence of QUALITY or its employees.
- 2. With respect to any of QUALITY'S tools, equipment, or instruments which are lost in the well or damaged when performing or attempting to perform the job or, in the case of marine operations, are lost or damaged at any time after delivery to the landing for CUSTOMER and before return to QUALITY at the landing, CUSTOMER shall either recover the lost item without cost to QUALITY or reimburse QUALITY the current replacement cost of the item unless the loss or damage results from the sole negligence of QUALITY or its employees.
- 3. QUALITY does not assume any liability or responsibility for damages or conditions resulting from chemical action in cements caused by contamination of water or other fluids.
- WARRANTIES: 1. QUALITY warrants all merchandise manufactured or furnished by it to be free from defects in material and workmanship under normal use and service when installed, and used, and/or serviced in the manner provided and intended. QUALITY'S obligation under this warranty is expressly limited to repair replacement, or allowance for credit, at its option, for any merchandise which is determined by QUALITY to be defective. THIS IS THE SOLE WARRANTY OF QUALITY AND NO OTHER WARRANTY IS APPLICABLE, EITHER EXPRESS OR OTHERWISE IMPLIED, IN FACT OR IN LAW, INCLUDING ANY WARRANTY AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE, CUSTOMER'S sole and only remedy with regard to any defective merchandise shall be the repair or replacement thereof or allowance for credit as herein provided, and QUALITY shall-not be liable for any consequential, special, incidental, or punitive damages resulting from or caused by defective materials, products or supplies.
  - 2. More specifically:
- (A) Nothing in this contract shall be constructed as a warranty by QUALITY of the success or the effectiveness of the result of any work done or merchandise used, sold, or furnished under this contract.
- (B) Nothing in this contract shall be construed as a warranty of the accuracy or correctness of any facts, information, or data furnished by QUALITY or any interpretation of test, meter readings, chart information, analysis or research, or recommendations made by QUALITY, unless the inaccuracy or incorrectness is caused by the willful misconduct or gross negligence of QUALITY or its employees in the preparation or furnishing of such facts, information or data. (C) Work done by QUALITY shall be under the direct supervision and control of the CUSTOMER or his agent and QUALITY will accomplish the job as an independent contractor and not as an employee or agent of the CUSTOMER.