KOLAR Document ID: 1314849

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
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	□NE □NW □SE □SW
CONTRACTOR: License #	GPS Location: Lat:, Long:
Name:	Datum: NAD27 NAD83 WGS84
Wellsite Geologist:	County:
Purchaser:	·
Designate Type of Completion:	Lease Name: Well #:
☐ New Well ☐ Re-Entry ☐ Workover	Field Name:
☐ Oil ☐ WSW ☐ SWD ☐ Gas ☐ DH ☐ EOR	Producing Formation: Kelly Bushing:   Elevation: Ground: Kelly Bushing:   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? Yes No
Cathodic Other (Core, Expl., etc.):	If yes, show depth set: Feet
If Workover/Re-entry: Old Well Info as follows:	If Alternate II completion, cement circulated from:
Operator:	•
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 #:	Operator Name:
GSW Permit #:	Lease Name: License #:
	Quarter Sec TwpS. R EastWest
Spud Date or Date Reached 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: 1314849

#### 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		Type and F	Percent Additives	
Perforate Protect Casi Plug Back T								
Plug Off Zor								
Did you perform a     Does the volume     Was the hydraulic	of the total base f	fluid of the hydrauli		_	=	No (If No, sk	ip questions 2 an ip question 3) out Page Three	,
Date of first Product Injection:	tion/Injection or R	esumed Production	Producing Meth	nod:	Gas Lift 0	Other (Explain)		
Estimated Production Per 24 Hours	on	Oil Bbls.					Gas-Oil Ratio	Gravity
DISPOS	SITION OF GAS:		N	METHOD OF COMP	LETION:			DN INTERVAL: Bottom
	Sold Used	I on Lease	Open Hole			mmingled mit ACO-4)	Тор	BOROTT
,	,			B.11 B1				
Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid,	Fracture, Shot, Cer (Amount and Kind	menting Squeeze I of Material Used)	Record
TUBING RECORD:	: Size:	Set	Δ+-	Packer At:				
TODING RECORD:	. 3126.		n.	i donei Al.				

Form	ACO1 - Well Completion
Operator	Raymond Oil Company, Inc.
Well Name	JACKSON FAMILY 19-1
Doc ID	1314849

# Tops

Name	Тор	Datum
Bern	802	722
Heebner	1416	108
Douglas	1496	28
Lansing	1722	198
Kansas City	2003	479
ВКС	2170	646
Marmaton	2268	744
Squirrel	2439	915
Miss	2731	1207

Form	ACO1 - Well Completion
Operator	Raymond Oil Company, Inc.
Well Name	JACKSON FAMILY 19-1
Doc ID	1314849

# 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	270	Class A	3% cc, 2% gel



CUSTOMER#

**TICKET NUMBER** LOCATION EL Dorndo **FOREMAN** 

PO Box 884, Chanute, KS 66720 620-431-9210 or 800-467-8676

DATE

FIELD TICKET & TREATMENT REPORT CEMENT

SECTION

WELL NAME & NUMBER

mvola TOWNSHIP RANGE COUNTY 8 4 245 Butters DRIVER TRUCK# DRIVER

8.4.16 7158 JACKSON FAMILY 19 CUSTOMER ROSALA Raymond O', 1 TRUCK# MAILING ADDRESS 9 N -603 TIALRY 2 EIN 681 ZIP CODE KS Wickita 67201 HOLE DEPTH 270 JOB TYPE SUCE ALE HOLE SIZE CASING SIZE & WEIGHT CASING DEPTH 263 DRILL PIPE TUBING OTHER SLURRY WEIGHT 14.2 SLURRY VOL 36.3 WATER gal/sk CEMENT LEFT IN CASING 20 DISPLACEMENT 15. 4 DISPLACEMENT PSI MIX PSI Summid Dala 5 83L CIASS Cement did 4004A STROUATO 6+

ACCOUNT CODE	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
CE0450/	1	PUMP CHARGE	1500	1500
(60002	20	MILEAGE	715	14300
(60711	7400	Townilrage Dulibrary (min)	66000	66000
1658@R	1404 1505KS	class'A'	2000	3000
ec5965	300 ±	Gel	.30	9000
cc 5325	4004	calcium chlande	100	4.000
0660751	75*	Poly. Stake	200	12000
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		6.75%	SALES TAX	135 14
vin 3737	LAKE-	1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ESTIMATED TOTAL	3403 29
UTHORIZTION_		TITLE	DATE	3 To 18 Mg

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.



TICKET NUMBER 51335

LOCATION 180

FOREMAN Jacob Stocm

PO Box 884, Chanute, KS 66720 620-431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT

620-431-9210 or 80			CEMEN	T A	0, 15-015	-24068-	00-00
DATE CU	STOMER#	WELL NAME & NUMI	BER	SECTION	TOWNSHIP	RANGE	COUNTY
8-11-16 71	58	Jackson Fan	mily 19-1	19	245	8E	Butler
CUSTOMER	1 oil						
MAILING ADDRESS	017		Section 1	TRUCK#	DRIVER	TRUCK#	DRIVER
PO Box	418789	2		603	Jeach		
CITY	10100	STATE ZIP CODE	79570 b	113	Jud		
Wichita		KS 67201		9	Jacob	Lat time of a	
JOB TYPE Plug		HOLE SIZE 77/8	] [	22.0		527	
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DISPLACEMENT	1	DISPLACEMENT PSI	MIX PSI_		RATE	35 sks	60/40 goz
REMARKS: Sa	1	edding Run	MIX PSI_ pipe to	300 f	RATE		2 4/gel
REMARKS: Sa	1	DISPLACEMENT PSI_	MIX PSI_	300 f	RATE	35 sks	60/40 poz 2 4/gel top off
REMARKS: Sa	1	edding Run	MIX PSI_ pipe to	300 f	RATE	35 sks	2 4/gel
REMARKS: Sa	1	edding Run	MIX PSI_ pipe to	300 f	RATE	35 sks	2 4/gel
REMARKS: Sa	1	edding Run	MIX PSI_ pipe to	300 f	RATE	35 sks	2 4/gel
REMARKS: Sa	1	edding Run	MIX PSI_ pipe to	300 f	RATE	35 sks	2 4/gel

ACCOUNT CODE	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
CE0450		PUMP CHARGE	1500.00	1500.00
CE 0002	20	MILEAGE	7.15	143.00
CEO711		Min bulk delivery	660,00	660,00
CS829	60	60/40 4'/gel	16,00	9,000
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I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.

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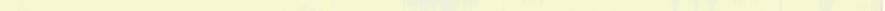
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Raymond Oil



# DRILL STEM TEST REPORT

Prepared For: Raymond Oil

PO Box 48788 Wichita, KS 67201

ATTN: Robert Turner

# Jackson Family #19-1

# 19-24S-8E Butler, KS

Start Date: 2016.08.10 @ 08:59:00 End Date: 2016.08.10 @ 18:46:45 Job Ticket #: 63079 DST #: 1

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



Raymond Oil

19-24S-8E Butler, KS

PO Box 48788 Wichita, KS 67201 Jackson Family #19-1

80

Job Ticket: 63079

Tester:

Unit No:

ATTN: Robert Turner Test Start: 2016.08.10 @ 08:59:00

### **GENERAL INFORMATION:**

Formation: Squirrel Sand

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

Time Tool Opened: 12:00:30 Time Test Ended: 18:46:45

Interval:

2417.00 ft (KB) To 2452.00 ft (KB) (TVD) Reference Elevations:

Total Depth: 2452.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF:

10.00 ft

Jimmy Ricketts

DST#: 1

1524.00 ft (KB)

1514.00 ft (CF)

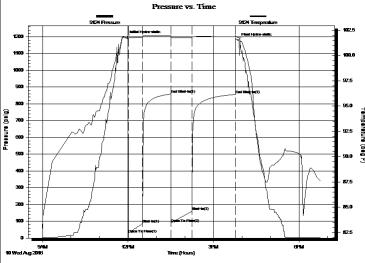
Serial #: 9124 Outside

Press@RunDepth: 2418.00 ft (KB) Capacity: 159.86 psig @ 8000.00 psig

Start Date: 2016.08.10 End Date: 2016.08.10 Last Calib.: 2016.08.10 Start Time: 08:59:05 End Time: 18:46:45 Time On Btm: 2016.08.10 @ 11:56:00 Time Off Btm: 2016.08.10 @ 15:51:45

TEST COMMENT: IF - Weak blow building to 11 inches during initial flow period.

FF - No blow building to 11 inches during final flow period.



		PI	RESSUR	RE SUMMARY
Ī	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
	0	1192.83	101.86	Initial Hydro-static
	5	27.63	101.43	Open To Flow (1)
	35	85.74	101.80	Shut-In(1)
4	94	858.44	101.92	End Shut-In(1)
Temperature (deg F)	95	89.57	101.75	Open To Flow (2)
refure	139	159.86	101.75	Shut-In(2)
(d eg	230	856.26	101.83	End Shut-In(2)
J	236	1179.29	101.80	Final Hydro-static

#### Recovery

Description	Volume (bbl)			
00 A few oil specks in testing tool				
20.00 Mud cut w ater 90% W & 10% M				
Heavy water cut mud 35% W & 65% M	0.59			
Drilling mud 100% M	0.30			
	A few oil specks in testing tool Mud cut w ater 90% W & 10% M Heavy w ater cut mud 35% W & 65% M			

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

Trilobite Testing, Inc Ref. No: 63079 Printed: 2016.08.12 @ 08:56:31



Raymond Oil

19-24S-8E Butler, KS

PO Box 48788 Wichita, KS 67201 Jackson Family #19-1

Job Ticket: 63079

Reference Elevations:

Tester:

DST#: 1

1524.00 ft (KB)

ATTN: Robert Turner

Test Start: 2016.08.10 @ 08:59:00

### **GENERAL INFORMATION:**

Formation: Squirrel Sand

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

Time Tool Opened: 12:00:30 Time Test Ended: 18:46:45

Unit No: 80

Interval: 2417.00 ft (KB) To 2452.00 ft (KB) (TVD) Total Depth: 2452.00 ft (KB) (TVD)

1514.00 ft (CF)

Jimmy Ricketts

Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 10.00 ft

Serial #: 6798 Inside

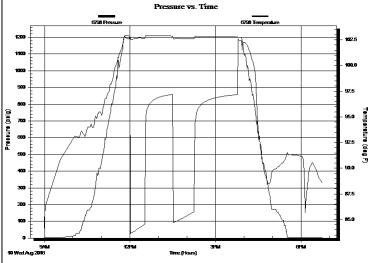
Press@RunDepth: 2418.00 ft (KB) 8000.00 psig psig @ Capacity:

Start Date: 2016.08.10 End Date: 2016.08.10 Last Calib.: 1899.12.30

Start Time: 08:59:05 End Time: Time On Btm: 18:46:45 Time Off Btm:

TEST COMMENT: IF - Weak blow building to 11 inches during initial flow period.

FF - No blow building to 11 inches during final flow period.



	PI	RESSUR	E SUMMARY
ne.	Pressure	Temp	Annotation

		Г	\L330I\	L SUMMAN
5	Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
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)				
Temp				
Temperature (deg F)				
(deg F)				

#### Recovery

Length (ft)	Description	Volume (bbl)
0.00	A few oil specks in testing tool	0.00
120.00	Mud cut w ater 90% W & 10% M	0.59
120.00	Heavy water cut mud 35% W & 65% M	0.59
60.00	Drilling mud 100% M	0.30

#### Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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Trilobite Testing, Inc Ref. No: 63079 Printed: 2016.08.12 @ 08:56:31



**TOOL DIAGRAM** 

Raymond Oil

19-24S-8E Butler, KS

PO Box 48788 Wichita, KS 67201 Jackson Family #19-1

Job Ticket: 63079

DST#: 1

ATTN: Robert Turner

Test Start: 2016.08.10 @ 08:59:00

**Tool Information** 

Drill Collar:

Drill Pipe: Length: 2102.00 ft Diameter: Heavy Wt. Pipe: Length:

0.00 ft Diameter: Length: 314.00 ft Diameter:

2.60 inches Volume: 13.80 bbl inches Volume: 2.25 inches Volume:

Total Volume:

0.00 bbl 1.54 bbl 15.34 bbl Tool Weight: 2600.00 lb Weight set on Packer: 20000.00 lb Weight to Pull Loose: 27000.00 lb Tool Chased

2.00 ft String Weight: Initial 24000.00 lb

Final 25000.00 lb

Drill Pipe Above KB: 27.00 ft Depth to Top Packer: 2417.00 ft

Depth to Bottom Packer: ft Interval between Packers: 35.00 ft Tool Length: 63.00 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			2390.00		
Shut In Tool	5.00			2395.00		
Hydraulic tool	5.00			2400.00		
Jars	5.00			2405.00		
Safety Joint	3.00			2408.00		
Packer	4.00			2412.00	28.00	Bottom Of Top Packer
Packer	5.00			2417.00		
Stubb	1.00			2418.00		
Recorder	0.00	9124	Outside	2418.00		
Recorder	0.00	6798	Inside	2418.00		
Perforations	29.00			2447.00		
Bullnose	5.00			2452.00	35.00	Bottom Packers & Anchor

**Total Tool Length:** 63.00

Trilobite Testing, Inc Ref. No: 63079 Printed: 2016.08.12 @ 08:56:31



**FLUID SUMMARY** 

Raymond Oil 19-24S-8E Butler, KS

Wichita, KS 67201 Job Ticket: 63079 **DST#:1** 

ATTN: Robert Turner Test Start: 2016.08.10 @ 08:59:00

#### **Mud and Cushion Information**

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

Mud Weight: 9.00 lb/gal Cushion Length: ft Water Salinity: 90000 ppm

Viscosity: 43.00 sec/qt Cushion Volume: bbl

Water Loss: 8.78 in³ Gas Cushion Type:

Resistivity: ohm.m Gas Cushion Pressure: psig

Salinity: 1800.00 ppm Filter Cake: inches

### **Recovery Information**

### Recovery Table

Length ft	Description	Volume bbl
0.00	A few oil specks in testing tool	0.000
120.00	Mud cut w ater 90% W & 10% M	0.590
120.00	Heavy water cut mud 35% W & 65% M	0.590
60.00	Drilling mud 100% M	0.295

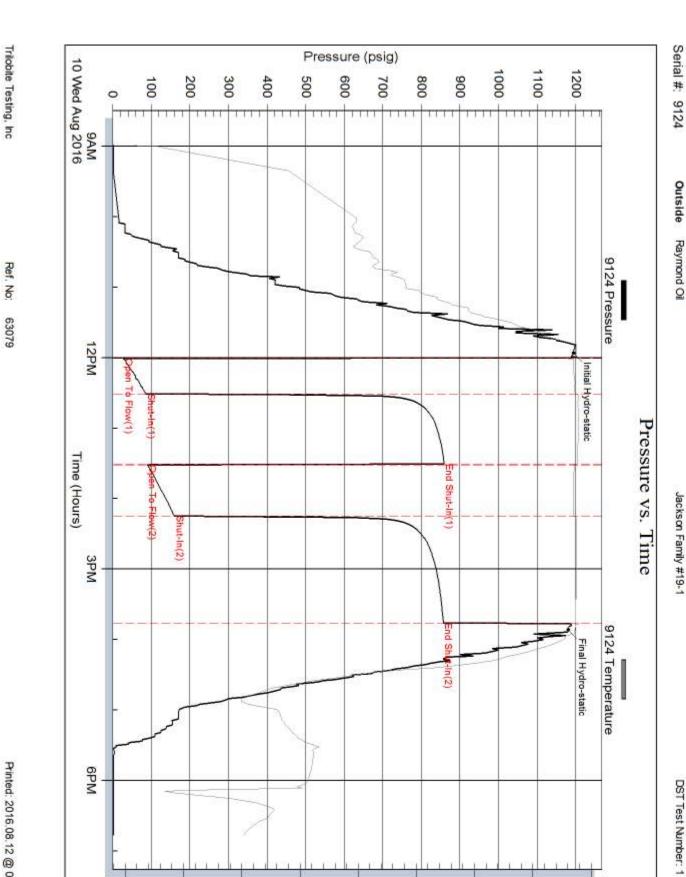
Total Length: 300.00 ft Total Volume: 1.475 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

Trilobite Testing, Inc Ref. No: 63079 Printed: 2016.08.12 @ 08:56:31



90.0

87.5

92.5

Temperature (deg F)

95.0

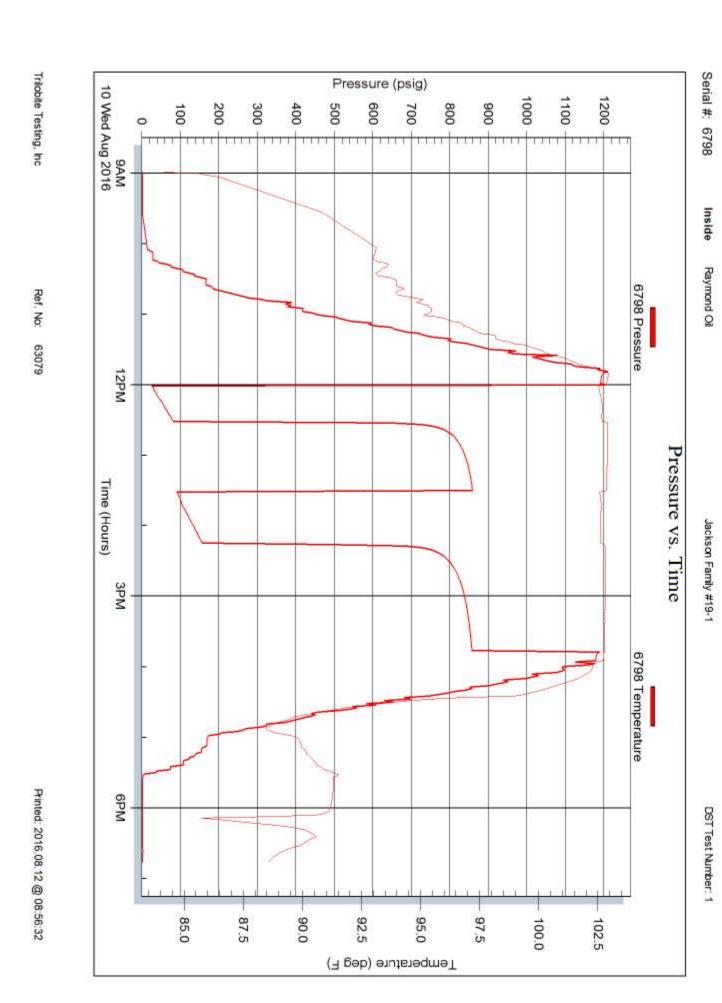
97.5

102.5

100.0

82.5

85.0





RILOBITE ESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

# **Test Ticket**

63079

4/10		
Co. Rep/Geo. Nobert Turn	Company Inc Elevation 15 Wichita KS. 67201	24 KB 1514 GL
Interval Tested 2417 - 2452  Anchor Length 35'  Top Packer Depth 2422  Bottom Packer Depth 2417  Total Depth 2452  Blow Description IF - weak b	Drill Pipe Run 2102  Drill Collars Run 314  Wt. Pipe Run 0  Chlorides 1800 ppm S  1/5 co 6 41	Mud Wt. 9, 1  Vis 43  WL 8,8  ystem LCM
Rec 120 Feet of Drilling Rec 120 Feet of HWC M Rec 120 Feet of MCW Rec Feet of Feet of Feet of Feet of	Mad %gas %gas %gas %gas	%oil         %water         106         %mud           %oil         35         %water         65         %mud           %oil         90         %water         10         %mud           %oil         %water         %mud           %oil         %water         %mud           %oil         %water         %mud
Rec Total 300 BHT  (A) Initial Hydrostatic 11 13  (B) First Initial Flow 28  (C) First Final Flow 858  (D) Initial Shut-In 858  (E) Second Initial Flow 90  (F) Second Final Flow 666	GravityAPI RW@  ☐ Test1050  ☐ Jars250  ☐ Safety Joint75  ☐ Circ Sub ☐ Hourly Standby  ☑ Mileage _ RT [38] 103.50	%oil %water %mud  °F Chlorides 90,006 ppm  T-On Location 0600  T-Started 915  T-Open 1201  T-Pulled 1546  T-Out Comments
(G) Final Shut-In	Sampler	Ruined Shale Packer Ruined Packer Extra Copies Sub Total 0 Total 1478.50 MP/DST Disc't
Approved By  Trilobite Testing Inc. shall not be liable for damaged of any kind of the property equipment, or its statements or opinion concerning the results of any test,	Our Representative  perty or personnel of the one for whom a test is made, or for any loss tools lost or damaged in the hole shall be paid for at cost by the party	uffered or sustained, directly or indirectly, through the use of its for whom the test is made.