

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 # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

New Well Re-Entry Workover

Oil WSW SWD

Gas DH EOR

OG GSW

CM (Coal Bed Methane)

Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

Deepening Re-perf. Conv. to EOR Conv. to SWD

Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

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 III Approved by: _____ Date: _____

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
3. Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	King Production Service, Inc.
Well Name	JAMES DALE 11-5
Doc ID	1485888

Tops

Name	Top	Datum
Anhydrite	3002	+59
Topeka	3030	-741
Oread	3910	-850
LKC A	4007	-947
LKC B	4062	-1002
LKC C	4116	-1054
LKC D	4163	-1103
LKC E	4204	-1144
LKC F	4246	-1186
Pawnee	4393	-1333
Cherokee	4456	-1396
TD	4695	-1635



DRILL STEM TEST REPORT

Prepared For: **King Production Service Inc.**

502 7th Ave
Yuma, CO 80759

ATTN: Richard Bell

James Dale #11-5

5-1s-36w Rawlins KS

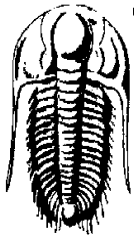
Start Date: 2019.11.17 @ 19:13:00

End Date: 2019.11.18 @ 03:09:30

Job Ticket #: 66459 DST #: 1

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

Printed: 2019.11.21 @ 15:39:46



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

King Production Service Inc.

5-1s-36w Rawlins KS

502 7th Ave
Yuma, CO 80759

James Dale #11-5

ATTN: Richard Bell

Job Ticket: 66459

DST#: 1

Test Start: 2019.11.17 @ 19:13:00

GENERAL INFORMATION:

Formation: **LKC " A "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:34:10

Time Test Ended: 03:09:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Ryan Nichols

Unit No: 71

Interval: 3968.00 ft (KB) To 4018.00 ft (KB) (TVD)

Reference Elevations: 3064.00 ft (KB)

Total Depth: 4018.00 ft (KB) (TVD)

3053.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

Serial #: 8366 Outside

Press@RunDepth: 19.20 psig @ 3969.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2019.11.17 End Date: 2019.11.18

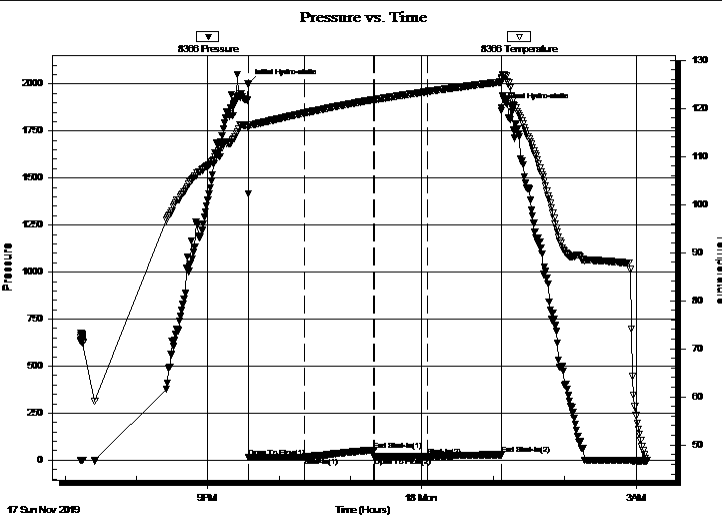
Last Calib.: 2019.11.18

Start Time: 19:13:01 End Time: 03:09:30

Time On Btm: 2019.11.17 @ 21:33:50

Time Off Btm: 2019.11.18 @ 01:06:50

TEST COMMENT: 45 IF - Blow built to 1"
60 ISI - No return
45 FF - Surface blow
60 FSI - No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1999.63	116.62	Initial Hydro-static
1	14.75	116.00	Open To Flow (1)
48	16.17	118.99	Shut-In(1)
106	53.70	121.80	End Shut-In(1)
106	17.01	121.79	Open To Flow (2)
151	19.20	123.47	Shut-In(2)
213	28.44	125.46	End Shut-In(2)
214	1874.15	126.24	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	OCM - 20%o - 80%M	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

King Production Service Inc.

5-1s-36w Rawlins KS

502 7th Ave
Yuma, CO 80759

James Dale #11-5

Job Ticket: 66459

DST#: 1

ATTN: Richard Bell

Test Start: 2019.11.17 @ 19:13:00

Tool Information

Drill Pipe:	Length: 3854.00 ft	Diameter: 3.80 inches	Volume: 54.06 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 121.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 54.66 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	35.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	3968.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	50.00 ft			
Tool Length:	78.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut In Tool	5.00			3945.00	
Hydraulic tool	5.00			3950.00	
Jars	5.00			3955.00	
Safety Joint	3.00			3958.00	
Packer	5.00			3963.00	28.00 Bottom Of Top Packer
Packer	5.00			3968.00	
Stubb	1.00			3969.00	
Recorder	0.00	8353	Inside	3969.00	
Recorder	0.00	8366	Outside	3969.00	
Perforations	13.00			3982.00	
Blank Spacing	33.00			4015.00	
Bullnose	3.00			4018.00	50.00 Bottom Packers & Anchor

Total Tool Length: 78.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

King Production Service Inc.

5-1s-36w Rawlins KS

502 7th Ave
Yuma, CO 80759

James Dale #11-5

Job Ticket: 66459

DST#: 1

ATTN: Richard Bell

Test Start: 2019.11.17 @ 19:13:00

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:

ppm

Viscosity: 69.00 sec/qt

Cushion Volume:

bbf

Water Loss: 5.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 600.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
5.00	OCM - 20%o - 80%M	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbf

Num Fluid Samples: 0

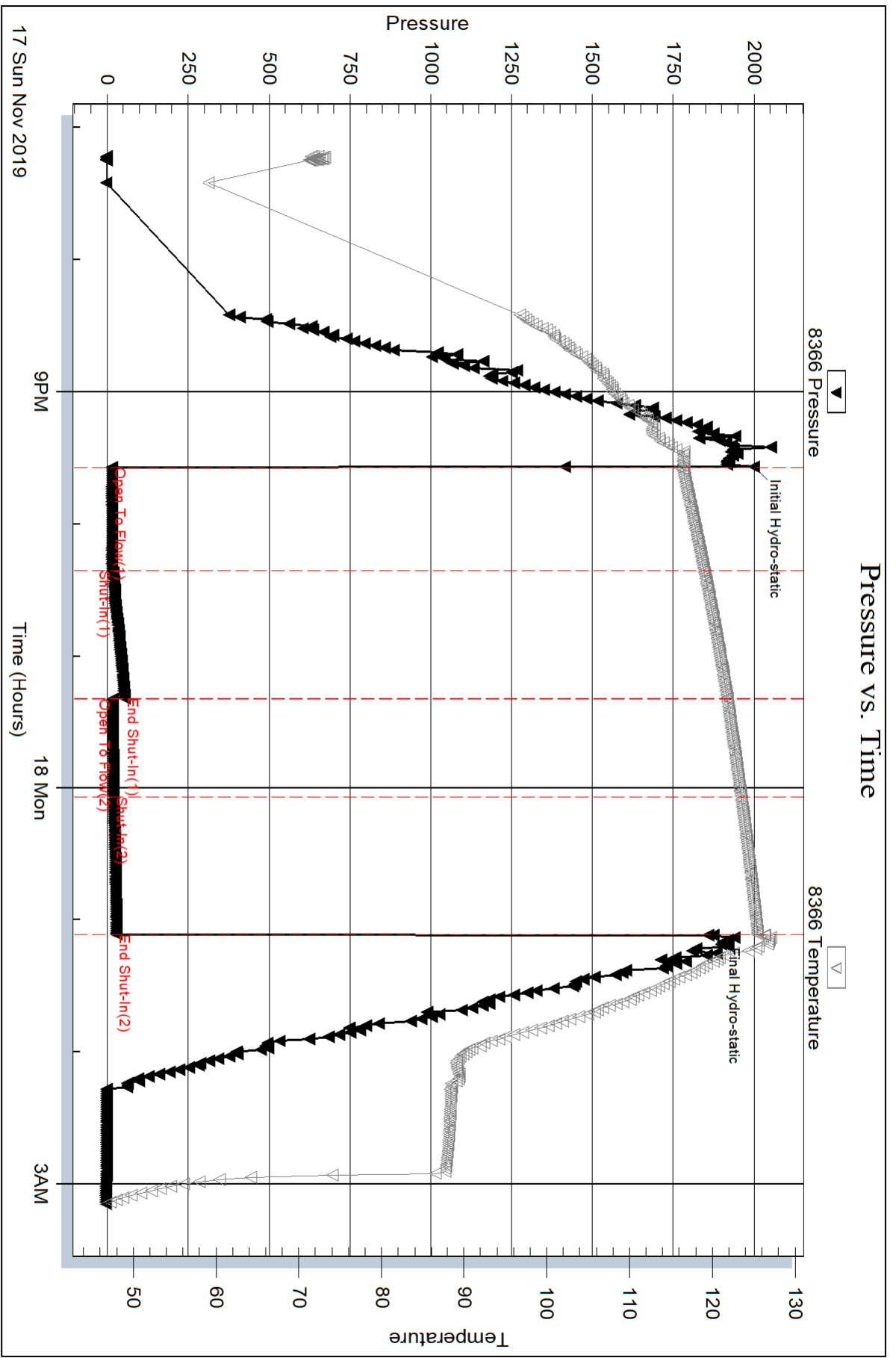
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



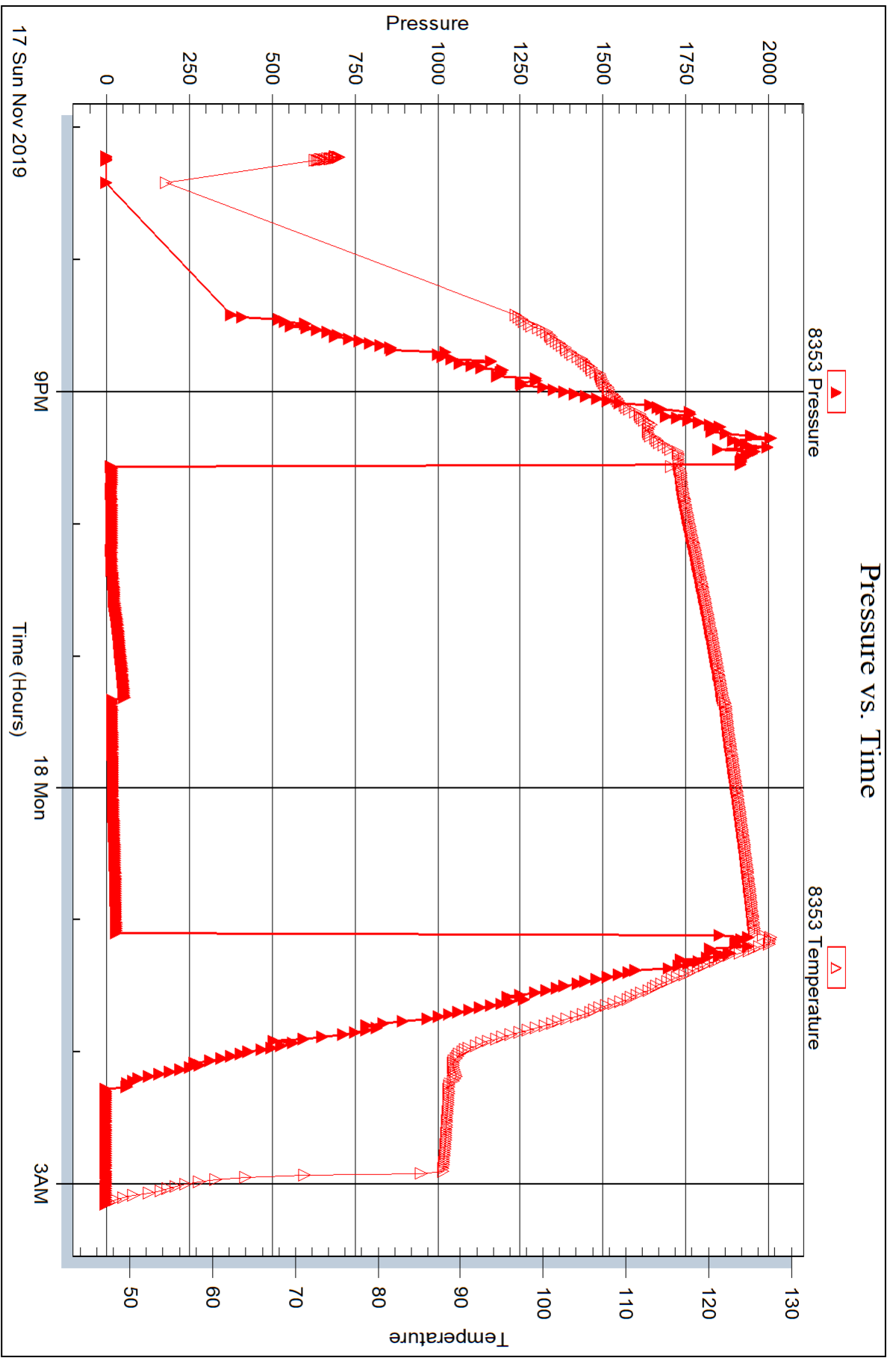
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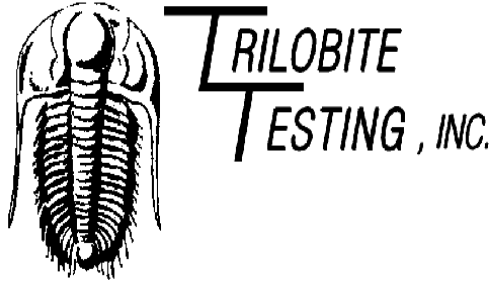
Inside

King Production Service Inc.

James Dale #11-5

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **King Production Service Inc.**

502 7th Ave
Yuma, CO 80759

ATTN: Richard Bell

James Dale #11-5

5-1s-36w Rawlins KS

Start Date: 2019.11.18 @ 15:26:00

End Date: 2019.11.18 @ 23:02:09

Job Ticket #: 66460 DST #: 2

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

Printed: 2019.11.21 @ 15:39:22

King Production Service Inc. 5-1s-36w Rawlins KS James Dale #11-5 DST # 2 LKC " B, B2, C " 2019.11.18



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

King Production Service Inc.

5-1s-36w Rawlins KS

502 7th Ave
Yuma, CO 80759

James Dale #11-5

ATTN: Richard Bell

Job Ticket: 66460

DST#: 2

Test Start: 2019.11.18 @ 15:26:00

GENERAL INFORMATION:

Formation: **LKC " B, B2, C "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:29:50

Time Test Ended: 23:02:09

Test Type: Conventional Bottom Hole (Reset)

Tester: Ryan Nichols

Unit No: 71

Interval: 4023.00 ft (KB) To 4130.00 ft (KB) (TVD)

Reference Elevations: 3064.00 ft (KB)

Total Depth: 4018.00 ft (KB) (TVD)

3053.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

Serial #: 8366

Outside

Press@RunDepth: 566.93 psig @ 4024.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2019.11.18

End Date: 2019.11.18

Last Calib.: 2019.11.18

Start Time: 15:26:01

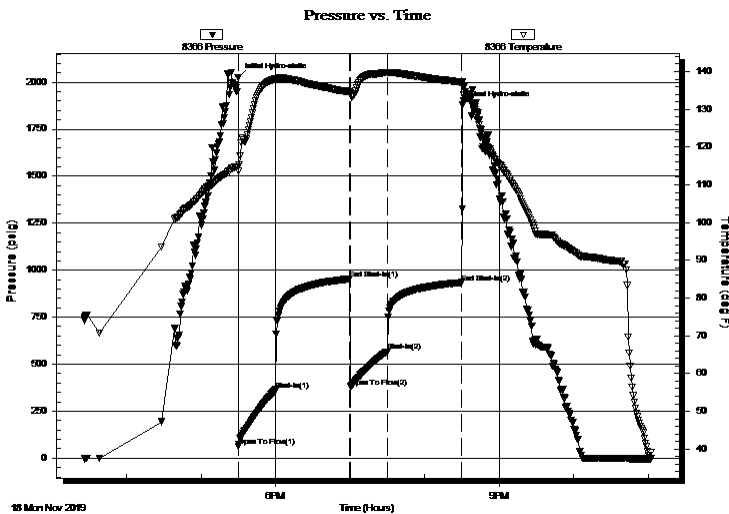
End Time: 23:02:10

Time On Btm: 2019.11.18 @ 17:29:30

Time Off Btm: 2019.11.18 @ 20:30:30

TEST COMMENT: 30 IF - BoB @ 3 1/2 mins
60 ISI - Surface return started @ 12 mins died @ 45 mins
30 FF - BoB @ 5 1/2 mins
60 FSI - No return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2026.11	114.83	Initial Hydro-static
1	63.44	113.61	Open To Flow (1)
31	363.69	138.03	Shut-In(1)
91	953.71	134.70	End Shut-In(1)
91	379.35	134.35	Open To Flow (2)
121	566.93	139.70	Shut-In(2)
181	934.41	137.16	End Shut-In(2)
181	1878.06	137.05	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	WCM - 40%W - 60%M	0.30
1075.00	MCW - 5%M - 95%W	14.52
126.00	OMCW - 5%o - 10%M - 85%W	1.77
252.00	OMCW - 10%o - 30%M - 60%W	3.53
2.00	Free Oil 100%o	0.03

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

King Production Service Inc.

5-1s-36w Rawlins KS

502 7th Ave
Yuma, CO 80759

James Dale #11-5

Job Ticket: 66460

DST#: 2

ATTN: Richard Bell

Test Start: 2019.11.18 @ 15:26:00

Tool Information

Drill Pipe:	Length: 3885.00 ft	Diameter: 3.80 inches	Volume: 54.50 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 121.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 55.10 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4023.00 ft			Final 64000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	107.00 ft			
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
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Shut In Tool	5.00			4000.00	
Hydraulic tool	5.00			4005.00	
Jars	5.00			4010.00	
Safety Joint	3.00			4013.00	
Packer	5.00			4018.00	28.00 Bottom Of Top Packer
Packer	5.00			4023.00	
Stubb	1.00			4024.00	
Recorder	0.00	8353	Inside	4024.00	
Recorder	0.00	8366	Outside	4024.00	
Perforations	7.00			4031.00	
Blank Spacing	96.00			4127.00	
Bullnose	3.00			4130.00	107.00 Bottom Packers & Anchor

Total Tool Length: 135.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

King Production Service Inc.

5-1s-36w Rawlins KS

502 7th Ave
Yuma, CO 80759

James Dale #11-5

Job Ticket: 66460

DST#: 2

ATTN: Richard Bell

Test Start: 2019.11.18 @ 15:26:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 63.00 sec/qt
Water Loss: 6.39 in³
Resistivity: ohm.m
Salinity: 1400.00 ppm
Filter Cake: 2.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: 30 deg API
Water Salinity: 30000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	WCM - 40%W - 60%M	0.295
1075.00	MCW - 5%M - 95%W	14.524
126.00	OMCW - 5%o - 10%M - 85%W	1.767
252.00	OMCW - 10%o - 30%M - 60%W	3.535
2.00	Free Oil 100%o	0.028

Total Length: 1515.00 ft Total Volume: 20.149 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

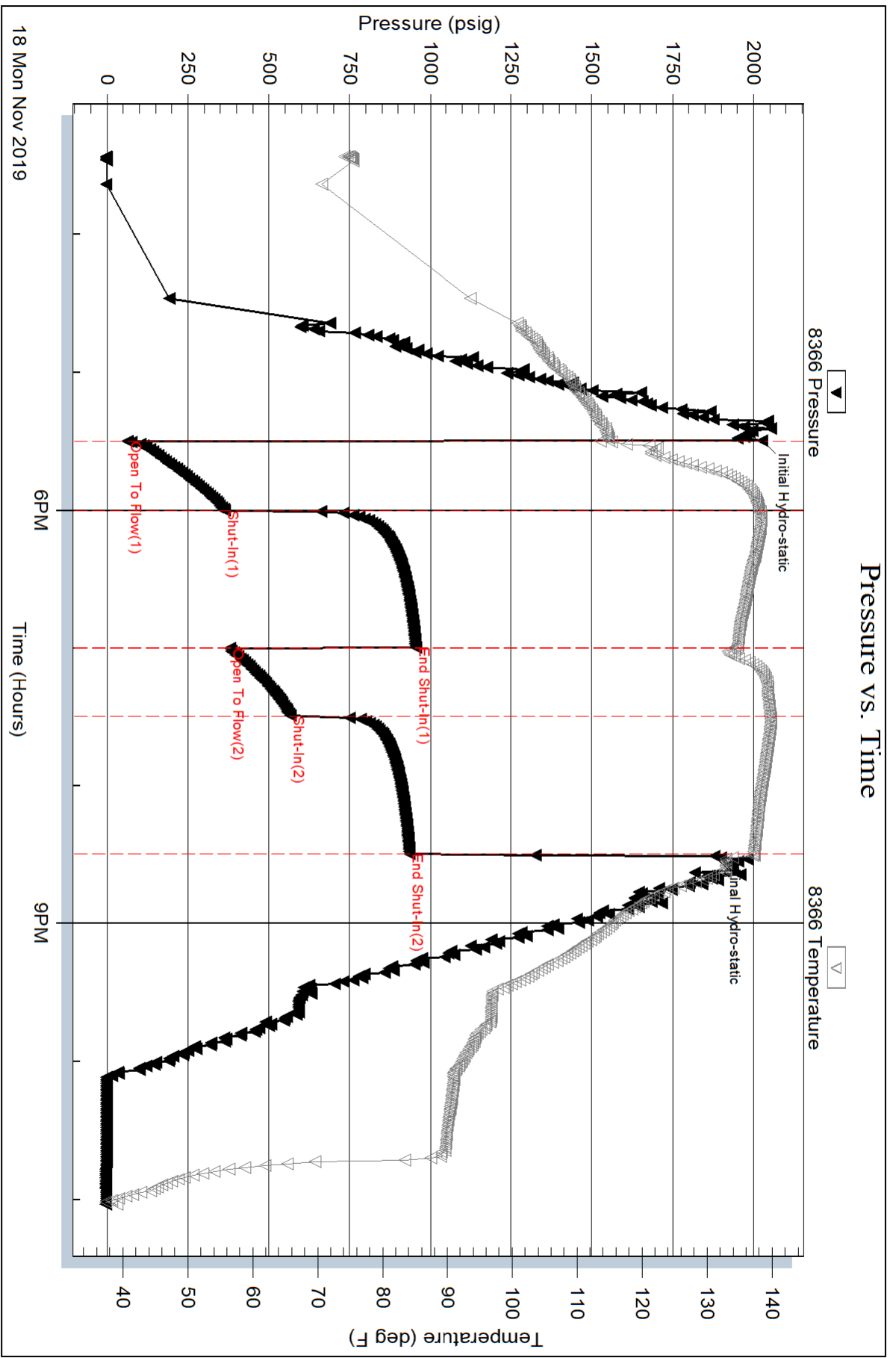
Laboratory Name:

Laboratory Location:

Recovery Comments: Gravity = 28 @ 40 DEG F = 30 COR 60 DEG F

RW = .445 @ 35 DEG F

Chlorides = 30,000 ppm



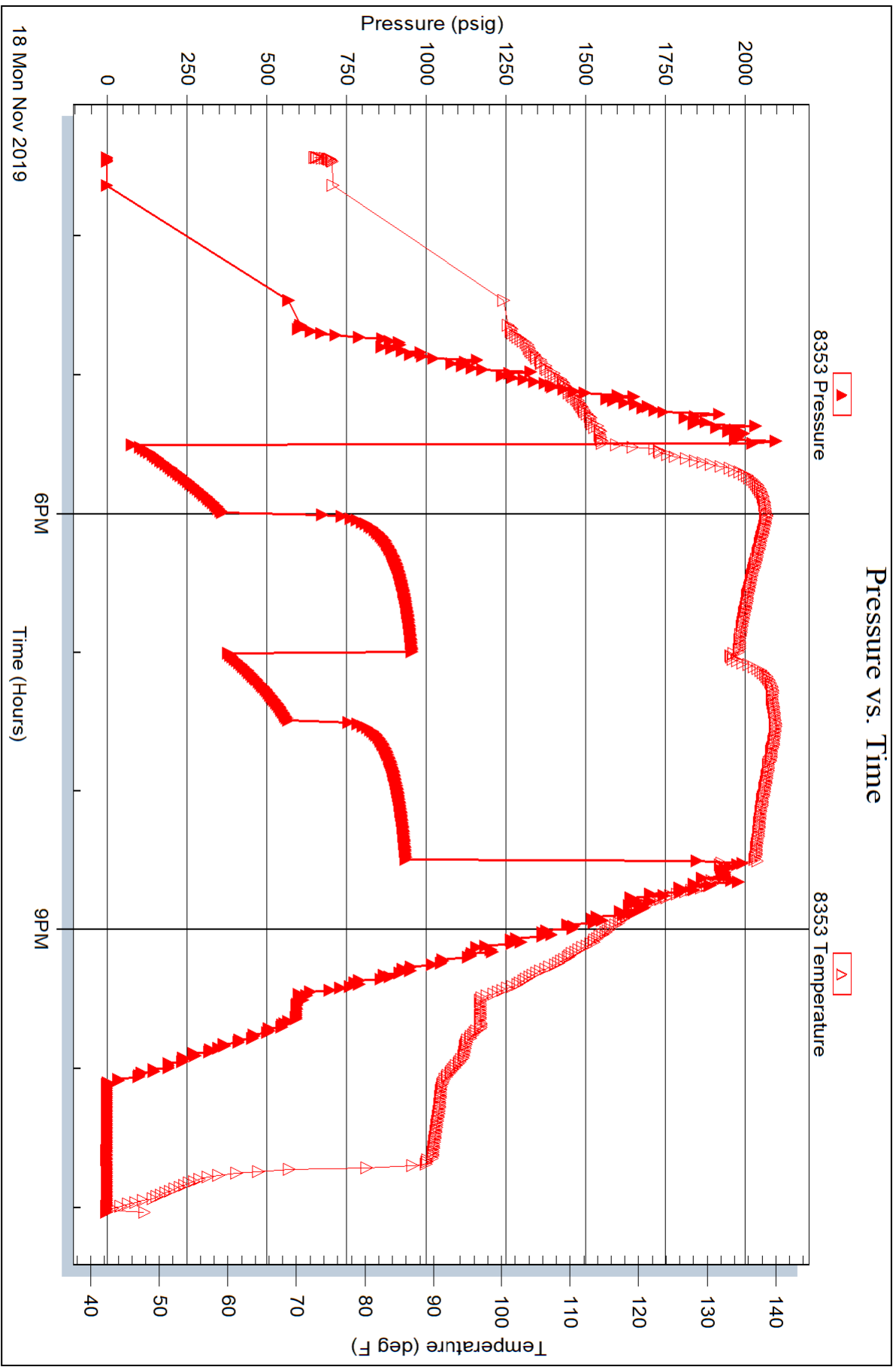
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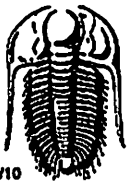
Inside

King Production Service Inc.

James Dale #11-5

DST Test Number: 2





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket 66459

NO.

Well Name & No. James Dale # 11-5 Test No. 1 Date 11/17/19
 Company King Production Service Inc. Elevation 3064 KB 3053 GL
 Address 502 7th Ave Yuma Co 80759
 Co. Rep / Geo. Richard Bell Rig STP
 Location: Sec. 9 Twp 15 Rge. 36 W Co. Rawlins State KS

Interval Tested 3968 - 4018 Zone Tested LKC "A"
 Anchor Length 50' Drill Pipe Run 3854' Mud Wt. 8.6
 Top Packer Depth 3963 Drill Collars Run 121' Vis 69
 Bottom Packer Depth 3968 Wt. Pipe Run 0' WL 6.0
 Total Depth 4018 Chlorides 600 ppm System LCM 2
 Blow Description 45 FF - Blow built to 1'
60 ISI - No retur
45 FF - Surface blow
60 FSI - No return

Rec	Feet of	%gas	%oil	%water	%mud
<u>5'</u>	<u>OCM</u>	<u>20</u>	<u>80</u>		
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 5' BHT 126° Gravity — API RW — @ — F Chlorides — ppm

(A) Initial Hydrostatic <u>2000</u>	<input checked="" type="checkbox"/> Test <u>1300</u>	T-On Location <u>18:45</u>
(B) First Initial Flow <u>15</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>19:13</u>
(C) First Final Flow <u>16</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>21:34</u>
(D) Initial Shut-In <u>54</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>01:06</u>
(E) Second Initial Flow <u>17</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>03:00</u>
(F) Second Final Flow <u>19</u>	<input checked="" type="checkbox"/> Mileage <u>124 RT</u> 124	Comments
(G) Final Shut-In <u>38</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>1874</u>	<input type="checkbox"/> Straddle	
Initial Open <u>45</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> EM Tool
Initial Shut-In <u>60</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Ruined Shale Packer
Final Flow <u>45</u>	<input type="checkbox"/> Extra Recorder	<input type="checkbox"/> Ruined Packer
Final Shut-In <u>60</u>	<input type="checkbox"/> Day Standby	<input type="checkbox"/> Extra Copies
	<input type="checkbox"/> Accessibility	Sub Total <u>0</u>
	Sub Total <u>1749</u>	Total <u>1749</u>

Approved By _____ Our Representative [Signature]
 Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket 66460

NO.

Well Name & No. James Dale #11-5 Test No. 2 Date 11/18/19
 Company King Production Service Inc. Elevation 3064 KB 3053 GL
 Address 502 7th Ave Yuma Co 80759
 Co. Rep / Geo. Richard Bell Rig STP
 Location: Sec. 5 Twp 1S Rge. 36W Co. Rawlins State KS

Interval Tested 4033 - 4130 Zone Tested LKC "B, B2, C"
 Anchor Length 107' Drill Pipe Run 3885' Mud Wt. 8.9
 Top Packer Depth 4018 Drill Collars Run 121' Vis 63
 Bottom Packer Depth 4023 Wt. Pipe Run 0' WL 6.4
 Total Depth 4130 Chlorides 1400 ppm System LCM 2

Blow Description 30 IF - BoB @ 3 1/2 mins
60 ISI - Surface blow started @ 12 mins died @ 45 mins
30 FF - BoB @ 5 1/2 mins
60 FSI - No return

Rec	Feet of	%gas	%oil	%water	%mud
<u>2'</u>	<u>FO</u>	<u>100</u>			
<u>252'</u>	<u>OMCW</u>	<u>10</u>	<u>60</u>	<u>30</u>	
<u>126'</u>	<u>OMCW</u>	<u>5</u>	<u>85</u>	<u>10</u>	
<u>1075'</u>	<u>MCW</u>		<u>95</u>	<u>5</u>	
<u>60'</u>	<u>WCM</u>		<u>40</u>	<u>60</u>	

Rec Total 1515' BHT 137° Gravity 30.00 @ 60° API RW .445 @ 35° F Chlorides 30,000 ppm

- (A) Initial Hydrostatic 2026
- (B) First Initial Flow 63
- (C) First Final Flow 364
- (D) Initial Shut-In 954
- (E) Second Initial Flow 379
- (F) Second Final Flow 567
- (G) Final Shut-In 934
- (H) Final Hydrostatic 1878

- Initial Open 30
- Initial Shut-In 60
- Final Flow 30
- Final Shut-In 60

- Test 1300
- Jars 250
- Safety Joint 75
- Circ Sub
- Hourly Standby
- Mileage 124 RTX 2
124+124
- Sampler
- Straddle
- Shale Packer
- Extra Packer
- Extra Recorder
- Day Standby 1.5d 14.5h
- Accessibility
- Sub Total 1873

- T-On Location 15:00
- T-Started 15:26
- T-Open 17:30
- T-Pulled 20:30
- T-Out 23:00

Comments loaded tools @ 01:30 on 11/21/19

- EM Tool
- Ruined Shale Packer
- Ruined Packer
- Extra Copies
- Sub Total 800
- Total 2673
- MP/DST Disc't

Approved By _____ Our Representative Richard Bell

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

Notice: Fill out COMPLETELY and return to Conservation Division at the address below within 60 days from plugging date.

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
WELL PLUGGING RECORD
K.A.R. 82-3-117

Form CP-4
July 2014
Type or Print on this Form
Form must be Signed
All blanks must be Filled

OPERATOR: License #: 32213
Name: King Production Service, Inc.
Address 1: 502 E 7th Ave
Address 2: _____
City: Yuma State: CO Zip: 80759 + 11-5
Contact Person: Rick King
Phone: (970) 630-5464
Type of Well: (Check one) Oil Well Gas Well OG D&A Cathodic
 Water Supply Well Other: _____ SWD Permit #: _____
 ENHR Permit #: _____ Gas Storage Permit #: _____
Is ACO-1 filed? Yes No If not, is well log attached? Yes No
Producing Formation(s): List All (If needed attach another sheet)

Depth to Top: _____ Bottom: _____ T.D. _____

Depth to Top: _____ Bottom: _____ T.D. _____

Depth to Top: _____ Bottom: _____ T.D. _____

API No. 15 - 153-21243-00-00
Spot Description: _____
NE SW SW SE Sec. 5 Twp. 1 S. R. 36 East West
560 Feet from North / South Line of Section
2270 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Rawlins
Lease Name: James Dale Well #: 11-5
Date Well Completed: 11/21/19
The plugging proposal was approved on: 11/18/19 (Date)
by: Ray Dinkel (KCC District Agent's Name)
Plugging Commenced: 9:15 am, 11/21/19
Plugging Completed: 12:45 pm, 11/21/19

Show depth and thickness of all water, oil and gas formations.

Oil, Gas or Water Records		Casing Record (Surface, Conductor & Production)			
Formation	Content	Casing	Size	Setting Depth	Pulled Out
		Surface	8 5/8	225	None

Describe in detail the manner in which the well is plugged, indicating where the mud fluid was placed and the method or methods used in introducing it into the hole. If cement or other plugs were used, state the character of same depth placed from (bottom), to (top) for each plug set.

Commenced plugging @ 9:15 am, 11/21/19. 50sx @ 3015', 100sx @ 2210', 50sx @ 275', 10sx @ 40', 30sx in the rat hole. Drilling mud was placed between all stages. Plugging completed @ 12:45 pm, 11/21/19, by Hurricane Services.

Plugging Contractor License #: 35410 Name: STP Drilling, LLC
Address 1: 2777 US Highway 24 Address 2: _____
City: Hill City State: Kansas Zip: 67642 + _____
Phone: (785) 421-2990
Name of Party Responsible for Plugging Fees: King Production Service, Inc.
State of Colorado County, Yuma, ss.
RICHARD KING Employee of Operator or Operator on above-described well,
(Print Name)

being first duly sworn on oath, says: That I have knowledge of the facts statements, and matters herein contained, and the log of the above-described well is as filed, and the same are true and correct, so help me God.

Signature: Richard King



CEMENT TREATMENT REPORT

Customer: King Production Service Inc	Well: James Dale #11-5	Ticket: ICT2818
City, State: Yuma, CO	County: Rawlins, KS	Date: 11/21/2019
Field Rep: STP #1 - Toolpusher	S-T-R: Sec 5 - T1S - R36W	Service: Cement - PTA

Downhole Information	
Hole Size:	7.875 in
Hole Depth:	4695 ft
Casing Size:	8.625 in
Casing Depth:	225 ft
Drill Pipe	4.5 in
Depth:	3015 ft
Tool / Packer:	
Depth:	ft
Displacement:	42.9 bbls

Calculated Slurry	
Weight:	13.8 # / sx
Water / Sx:	6.89 gal / sx
Yield:	1.42 ft ³ / sx
Bbls / Ft.:	
Depth:	ft
Annular Volume:	bbls
Excess:	
Total Slurry:	60.7 bbls
Total Sacks:	240 sx

Product	% / #	#
Class A	60.00	13536
Poz	40.00	7104
Gel	4.00	826
CaCl		
Gypsum		
Metso		
PhenoSeal		
Flo Seal		
Salt (bww)		
Total		21,466

TIME	RATE	PSI	BBLs	REMARKS
5:00				Call out
7:00				Depart yard
8:50				Arrive on locn. Rig @ 3015' & circulating w/ WBM
8:55				JSA, discuss moving on, spotting & rig-up of equipment
9:00				Move on, spot & rig-up equipment
9:15				Rig-up complete
				Plug #1 3015' - 2805'
9:20	4.0	275.0	5.0	Pump water spacer
9:24	3.0	230.0	12.6	Mix & pump 50sx cement @ 13.8ppg. Y - 1.42cuf/sk; MR - 6.89g/sk
9:28	3.0	85.0	2.0	Pump water spacer
9:37	6.5	275.0	37.8	Rig displace w/ WBM
9:45				Rig POOH w/ DP
				Plug #2 2210' - 1790'
10:12	4.0	225.0	5.0	Pump water spacer
10:17	3.3	155.0	25.3	Mix & pump 100sx cement @ 13.8ppg. Y - 1.42cuf/sk; MR - 6.89g/sk
10:24	3.0	75.0	2.0	Pump water spacer
10:27	6.5	150.0	23.1	Rig displace w/ WBM
10:32				Rig POOH w/ DP
				Plug #3 275' - 74'
11:30	3.3	150.0	12.6	Mix & pump 50sx cement @ 13.8ppg. Y - 1.42cuf/sk; MR - 6.89g/sk
11:34	2.0	25.0	1.6	Displace w/ water
11:35				Rig POOH w/ DP. Laydown kelly & rathole
12:25	2.0	35.0	7.6	Plug rathole w/ 30sx cement @ 13.8ppg
12:30	2.0	35.0	2.5	Plug #4 40' - 0' w/ 10sx cement @ 13.8ppg
12:35				End Job. Wash-up pumps & lines
12:45				JSA, discuss rigging down & racking up equipment
12:55				Rig down & rack up
13:00				JSA, discuss journey management
				Depart locn
				Thanks for calling Hurricane Services Inc

CREW		UNIT	SUMMARY		
Cementer:	Scott Green	74	Average Rate	Average Pressure	Total Fluid
Pump Operator:	Michael Rebarchek	266	3.55 bpm	143 psi	137 bbls
Bulk #1:	Kale Ochs	294			
Bulk #2:					

FRANKS Oilfield Service

◆ 815 Main Street Victoria, KS 67671 ◆ 24 Hour Phone (785) 639-7269
 ◆ Office Phone (785) 639-3949 ◆ Email: franksoilfield@yahoo.com

TICKET NUMBER 0112
 LOCATION Hoxie US
 FOREMAN Miles Shaw

FIELD TICKET & TREATMENT REPORT CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
11-13-19		James Dale 11-5	5	15	36W	Rawlins

CUSTOMER King Production Services
 MAILING ADDRESS Rick King
502 E 7th Ave
 CITY Yuma STATE CO ZIP CODE 80759

TRUCK #	DRIVER	TRUCK #	DRIVER
101	Sacht		
102	Miles		

JOB TYPE Surface HOLE SIZE 12.25" HOLE DEPTH 225' CASING SIZE & WEIGHT 8 5/8" 23#
 CASING DEPTH 225' DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 148 SLURRY VOL 141 WATER gal/sk _____ CEMENT LEFT in CASING 20'
 DISPLACEMENT 13 bbls DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety meeting and Rig up on STD drilling Circulate casing mix
200sx Surface blend Class A 38cc 29 gel displace 13 bbls ~~10~~ Water shut.
Cement did Circulate

Thanks Miles (19)

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
PL002	1	PUMP CHARGE	1150.00	1150.00
M001	90	MILEAGE	585.00	585.00
M002	9.9 tons	Ton Mileage delivery	1.50	1336.50
CB004	200 sx	Surface blend	24.50	4900.00
			Sub total	7971.50
			less 25% discount	1992.87
			Sub total	5978.63
			SALES TAX	275.63
			ESTIMATED TOTAL	6254.26

AUTHORIZATION [Signature] TITLE _____ DATE 11-13-19

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.

APP# 15-153-21243-02-00
 G E O L O G I C A L R E P O R T
 DRILLING TIME AND SAMPLE LOG
 COMPANY King Production Service, Inc.
 LEASE James Dale #11-5
 ELEVATION
 KB 3061
 DE 3060

LOCATION 560' ESE 1/4 2320' BE
 SEC 5 T15P 15 R0E 34W
 COUNTY Franklin STATE Kansas
 CONTRACTOR S I P Drilling Rig #1
 SPUD 11/13/19 COMP 11/18/19
 SAMPLES SAVED FROM 3430 TO 4700
 PRODUCED BY S I P
 ELCTRIC LOGS
 FORMATION TOPS AND STRUCTURAL POSITION

FORMATION	THICKNESS	DEPTH	GRAIN SIZE	SHAPE	STRUCTURE	POSITION
Adhydtic	3002	3003	±	SB		72L 8B
Basic Adhydtic	3003	3020	±	SB		74L 54
Speckle	3021	3023	-	24L		28L 82
Green	3010	3012	-	85D		84L 82
LKC A	4002	4003	-	94L		84L 82
LKC B	4003	4004	-	1002		79L 82
LKC C	4114	4115	-	1054		104L 102
LKC D	4204	4205	-	1103		108L 102
LKC E	4204	4206	-	1144		118L 112
LKC F	4204	4208	-	1186		114L
Cherokee Sh.	4493	4495	-	1233		1312
Cherokee Sh.	4495	4498	-	1233		
7500 Depth	4195	4197	-	1435		124L 118

REMARKS
 This well ran 11 feet lower on the Lansing A zone top than the producing King Production Service, Inc. Well # 15-55. The log structural position along with open hole log evaluation determined the James Dale #11-5 should be plugged and abandoned.
 Richard J. Shell
 11/21/19

LEGEND

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DEPTH	LITHOLOGY	SAMPLE DESCRIPTIONS	OIL SHOWS	REMARKS
2980				
3000				
3020				
3040				
3060				
3080				
3100				
3120				
3140				
3160				
3180				
3200				
3220				
3240				
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3980				
4000				
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4040				
4060				
4080				
4100				
4120				
4140				
4160				
4180				
4200				
4220				
4240				
4260				
4280				
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4500				
4520				
4540				
4560				
4580				
4600				
4620				
4640				
4660				
4680				
4700				

Tri-lobite Testing
 DST#1 3988' 4018'
 15-60 - 45-20
 IF: wk blow incr. to 1"
 PSI: No blow
 FSI: No surface blow
 Recovery: 5' 0cm 20%
 NYA: 2000 1874#
 FP: 15-16 / 17-19#
 BHP: 54 - 28#
 BHTemp: 126°F.

Incline 1°
 Pipe Strap @ 4018'
 Board 4032.37
 Strap 4031.56
 D:ff 81

DST#2 4023' 4130'
 30-60 - 30-60
 IF: B.O.B. 12 3/4 min
 PSI: wk blow 12 min
 Dead @ 45 min
 FP: B.O.B. @ 5 1/2 min
 FSI: No blow
 Recovery: 1515' Total
 2' 0" 1' gravity 30°
 252' 0mcw 10%
 60% w 30% m
 126' 0mcw 5%
 85% w 10% m
 1075' mcw 95% w 52% m
 60' wcm 40% w 10% m
 BHTemp: 137°F
 Chlorides: 30,000 ppm

CONTRACTOR _____ LOCATION _____
 LEASE _____ IP _____ SEC. _____ TWP _____ RNC _____
 ELEVATION _____ RTD. _____ COUNTY _____ STATE _____