

DRILL STEM TEST REPORT

Prepared For: **Keith Walker Oil & Gas, LLC.**

PO Box 1725
Ardmore OK. 73402

ATTN: Barry Jones

25/34/26

Bingo 1-13

Start Date: 2004.12.21 @ 18:01:15

End Date: 2004.12.22 @ 09:21:30

Job Ticket #: 20584 DST #: 1

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

Keith Walker Oil & Gas, LLC.

Bingo 1-13

25/34/26

DST # 1

Marrow

2004.12.21



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Keith Waker Oil & Gas, LLC.

Bingo 1-13

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25/34/26

ATTN: Barry Jones

Job Ticket: 20584

DST#: 1

Test Start: 2004.12.21 @ 18:01:15

GENERAL INFORMATION:

Formation: **Marrow**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:00:30

Time Test Ended: 09:21:30

Test Type: Conventional Bottom Hole

Tester: Harley Davidson

Unit No: 15

Interval: **5765.00 ft (KB) To 5787.00 ft (KB) (TVD)**

Reference Elevations: 2151.00 ft (KB)

Total Depth: 5787.00 ft (KB) (TVD)

2141.00 ft (CF)

Hole Diameter: 7.78 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 6769

Inside

Press@RunDepth: 95.44 psig @ 5768.00 ft (KB)

Capacity: 7000.00 psig

Start Date: 2004.12.21

End Date: 2004.12.22

Last Calib.: 1899.12.30

Start Time: 18:01:17

End Time: 09:21:30

Time On Btrr: 2004.12.21 @ 23:58:45

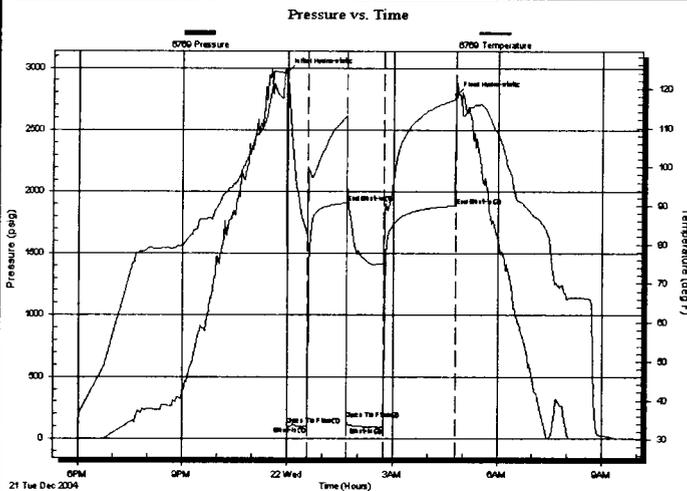
Time Off Btrr: 2004.12.22 @ 04:47:30

TEST COMMENT: F- BOB ASAO GTS, 3min.

IS- No blow back.

FF- BOB, GTS, ASAO.

FS- No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2963.88	124.82	Initial Hydro-static
2	110.81	122.53	Open To Flow (1)
36	99.31	82.44	Shut-In(1)
102	1909.91	113.06	End Shut-In(1)
103	155.46	96.53	Open To Flow (2)
166	95.44	74.79	Shut-In(2)
289	1888.47	117.25	End Shut-In(2)
289	2781.11	119.36	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
93.00	100% mud	0.46

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.75	10.00	381.12
Last Gas Rate	0.75	5.50	310.84
Max. Gas Rate	0.75	10.00	381.12



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TOOL DIAGRAM

Keith Walker Oil & Gas, LLC.

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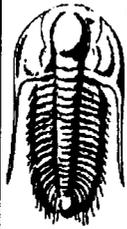
Tool Information

Drill Pipe:	Length: 5090.00 ft	Diameter: 3.80 inches	Volume: 71.40 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: 30000.00 lb
Drill Collar:	Length: 660.00 ft	Diameter: 2.25 inches	Volume: 3.25 bbl	Weight to Pull Loose: 100000.0 lb
			<u>Total Volume: 74.65 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial 98000.00 lb
Depth to Top Packer:	5765.00 ft			Final 98000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	22.00 ft			
Tool Length:	53.00 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	2.00			5736.00	
Shut In Tool	5.00			5741.00	
Sampler	3.00			5744.00	
Hydraulic tool	5.00			5749.00	
Jars	5.00			5754.00	
Safety Joint	2.00			5756.00	
Packer	5.00			5761.00	31.00 Bottom Of Top Packer
Packer	4.00			5765.00	
Stubb	1.00			5766.00	
Perforations	2.00			5768.00	
Recorder	0.00	6769	Inside	5768.00	
Perforations	15.00			5783.00	
Recorder	0.00	6724	Outside	5783.00	
Bullnose	4.00			5787.00	22.00 Bottom Packers & Anchor

Total Tool Length: 53.00



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FLUID SUMMARY

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25/34/26

Job Ticket: 20584

DST#: 1

ATTN: Barry Jones

Test Start: 2004.12.21 @ 18:01:15

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: 54.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.79 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 6500.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

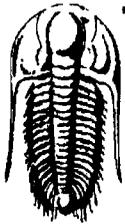
Length ft	Description	Volume bbl
93.00	100% mud	0.457

Total Length: 93.00 ft Total Volume: 0.457 bbl

Num Fluid Samples: 2 Num Gas Bombs: 0 Serial #:

Laboratory Name: Caraway Laboratory Location: Liberal, KS

Recovery Comments: Sampler Data- 110 CF gas @ 1850psi



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GAS RATES

Keith Walker Oil & Gas, LLC.

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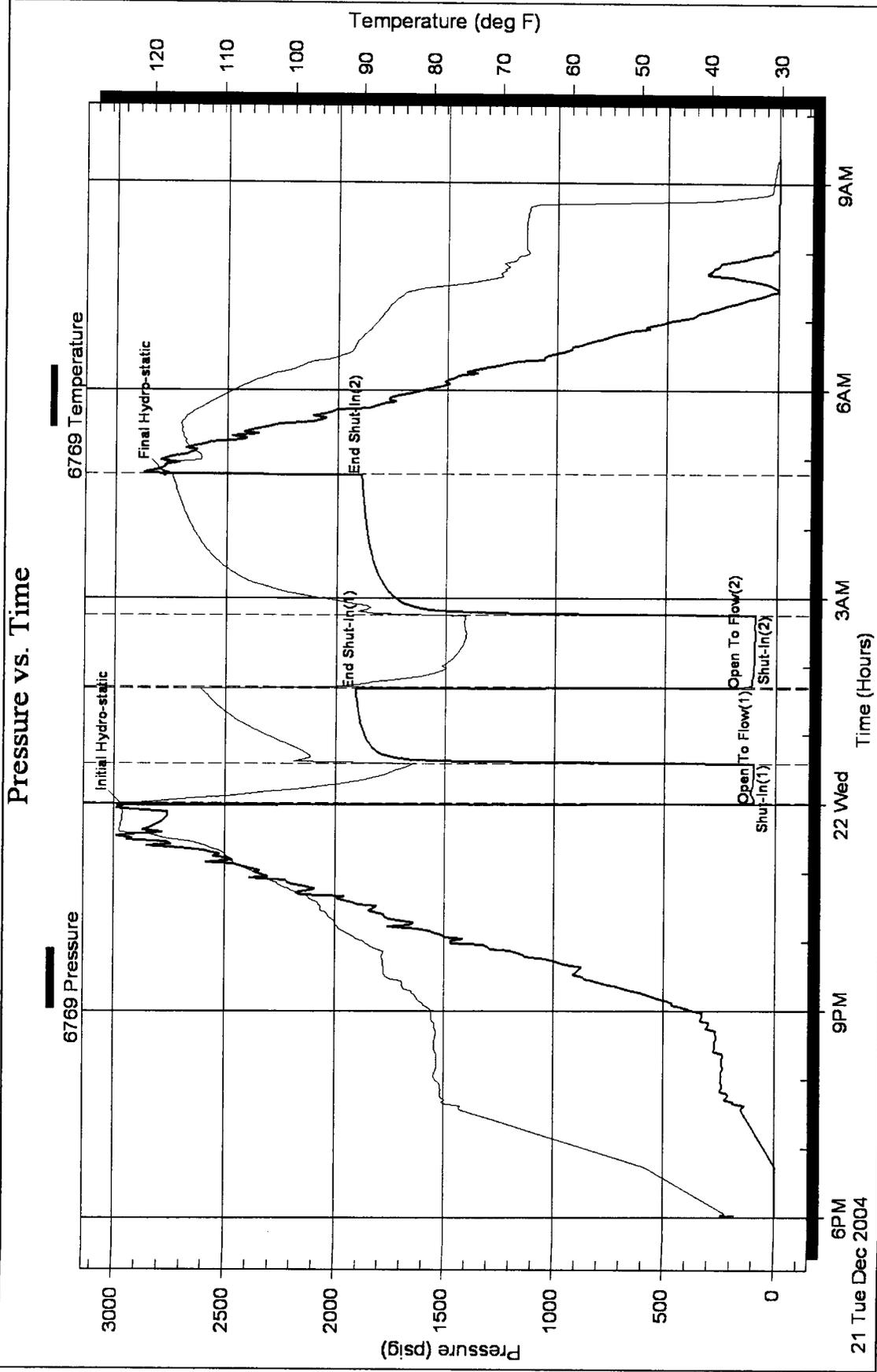
Gas Rates Information

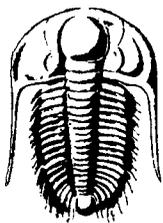
Temperature: 59 deg C
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m ³ /d)
1	7	0.75	10.00	381.12
1	14	0.75	10.00	381.12
1	7	0.75	10.00	381.12
1	20	0.75	4.00	287.41
2	30	0.75	6.00	318.65
2	40	0.75	5.50	310.84
2	50	0.75	5.50	310.84
2	60	0.75	5.50	310.84
2	10	0.75	5.50	310.84

Pressure vs. Time





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

INV
7069

Sent Dec 23
No 20584

05/03

Test Ticket

Well Name & No. Bingo 1-13 Test No. 1 Date 12-21-04
 Company Keith Walker Oil & Gas Co LLL Zone Tested Marrow
 Address PO Box 1725 Ardmore, OK 73402 Elevation 2151 KB 2141 GL
 Co. Rep / Geo. Barry Jones Cont. Big A #6 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 25 Twp. 34 s Rge. 26 w Co. Meade State KS
 No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 5765 - 5787 Initial Str Wt./Lbs. 98K Unseated Str Wt./Lbs. 98K
 Anchor Length 22 Wt. Set Lbs. 30K Wt. Pulled Loose/Lbs. 100K
 Top Packer Depth 5761 Tool Weight 2000
 Bottom Packer Depth 5765 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 5787 Wt. Pipe Run 0 Drill Collar Run 660
 Mud Wt. 9.1 LCM 4# Vis. 54 WL 7.8 Drill Pipe Size 4.5 Ft. Run 5064
 Blow Description IF-BOB ASAO GTS 3 min.
ISI- No pbw back
FF-BOB ASAO GTS ASAO
FSI-

Recovery - Total Feet 93 GIP _____ Ft. in DC _____ Ft. in DP _____
 Rec. 93 Feet of _____ %gas _____ %oil _____ %water 100 %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 _____
 BHT _____ °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 6500 ppm System

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	2963	PSI	6769	1100 ⁰⁰ 1100
(B) First Initial Flow Pressure	111	PSI	(depth) 5764	Elec. Rec. _____
(C) First Final Flow Pressure	99	PSI	Recorder No. 10242	Jars - 200 ⁰⁰ 200
(D) Initial Shut-In Pressure	1909	PSI	(depth) 5787	Safety Jt. 50 ⁰⁰ 50
(E) Second Initial Flow Pressure	155	PSI	Recorder No. _____	Circ Sub _____
(F) Second Final Flow Pressure	95	PSI	(depth) _____	Sampler 200 ⁰⁰ 200
(G) Final Shut-In Pressure	1888	PSI	Initial Opening 30	Straddle _____
(Q) Final Hydrostatic Mud	2781	PSI	Initial Shut-In 60	Ext. Packer _____
			Final Flow 60	Shale Packer 150 ⁰⁰ 150
			Final Shut-In 120	Mileage 117x2 234
			T-On Location 500 - 1700	Sub Total: 1934 ⁰⁰ 1934
			T-Started 1030 - 2230	Std. By 4x30 + 7x60 120
			T-Open 450	Other 540 ⁰⁰ 420
			T-Pulled 940	Total: 2474 ⁰⁰ 2474
			T-Out 145	

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Approved By Barry Jones
 Our Representative Harley Dads



TRILOBITE TESTING, INC.

P.O. Box 362 • Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. 20584 Date 12-21-04
 Company Name Keith Walker LLC
 Lease Bingo 1-13 Test No. 1
 County Meade Sec. 25 Twp. 34 Rng. 26

SAMPLER RECOVERY

Gas 110 CF ML
 Oil 0 ML
 Mud 0 ML
 Water 0 ML
 Other _____ ML
 Pressure 1850 ML
 Total _____ ML

PIT MUD ANALYSIS

Chlorides _____ ppm.
 Resistivity _____ ohms @ _____ F
 Viscosity _____
 Mud Weight _____
 Filtrate _____
 Other _____

SAMPLER ANALYSIS

Resistivity _____ ohms @ _____ F
 Chlorides _____ ppm.
 Gravity _____ corrected @60F

PIPE RECOVERY

TOP
 Resistivity _____ ohms @ _____ F
 Chlorides _____ ppm.

MIDDLE
 Resistivity _____ ohms @ _____ F
 Chlorides _____ ppm.

BOTTOM
 Resistivity _____ ohms @ _____ F
 Chlorides _____ ppm.

CHART PAGE
This is a photocopy of the actual AK-1 recorder chart

