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RELEASED

CONFIDENTIAL

MAY 07 2001

KCC

WELL NAME:

Vade Belle Unit #18-1

COMPANY:

Imperial American Oil Corp.

LOCATION:

18-11s-19w

Ellis co KS

DATE:

2/10/00

FROM CONFIDENTIAL

ORIGINAL

APR 10 2000

CONFIDENTIAL

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TRILOBITE TESTING L.L.C.

ORIGINAL

OPERATOR : Imperial American Oil
WELL NAME: Vade Belle Unit #18-1
LOCATION : 18-11s-19w Ellis co KS
INTERVAL : 3254.00 To 3325.00 ft

DATE 2-06-00
KB 2004.00 ft TICKET NO: 12664 DST #1
GR 1999.00 ft FORMATION: LKC A-D
TD 3325.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA-----
PF 30	Rec.	11085	11085	3027			PF Fr. 1542 to 1612 hr
SI 45	Range(Psi)	4300.0	4300.0	4995.0	0.0	0.0	IS Fr. 1612 to 1657 hr
SF 45	Clock(hrs)	12hr	12hr	elec			SF Fr. 1657 to 1742 hr
FS 60	Depth(ft)	3258.0	3258.0	3264.0	0.0	0.0	FS Fr. 1742 to 1842 hr

	Field	1	2	3	4	
A. Init Hydro	1603.0	1615.0	1605.0	0.0	0.0	T STARTED 1325 hr
B. First Flow	121.0	138.0	52.0	0.0	0.0	T ON BOTM 1539 hr
31. Final Flow	275.0	295.0	291.0	0.0	0.0	T OPEN 1542 hr
C. In Shut-in	800.0	804.0	801.0	0.0	0.0	T PULLED 1842 hr
D. Init Flow	385.0	384.0	298.0	0.0	0.0	T OUT 2214 hr
E. Final Flow	473.0	459.0	421.0	0.0	0.0	
F. Fl Shut-in	800.0	810.0	798.0	0.0	0.0	
G. Final Hydro	1571.0	1573.0	1574.0	0.0	0.0	
Inside/Outside	o	o	i			

RECOVERY

Tot Fluid 870.00 ft of 521.00 ft in DC and 349.00 ft in DP
60.00 ft of Gas in pipe
30.00 ft of Muddy gassy oil 5% gas 87% oil 8% mud
180.00 ft of Heavily oil & gas cut watery mud
0.00 ft of 12% gas 28% oil 20% water 40% mud
60.00 ft of Oil & gas cut muddy water
0.00 ft of 10% gas 6% oil 64% water 20% mud
60.00 ft of Oil & gas cut muddy water 10%g 6%o 79%w 5%
540.00 ft of Water 100% water
SALINITY 43000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:
Weak to a strong blow in 8 minutes.

Final Flow:

Weak to a good blow 1/2" to 8" blow.

Final Shut-In:

No blow.

KCC

APR 10 2000

CONFIDENTIAL**RELEASED****MAY 07 2001****FROM CONFIDENTIAL**

SAMPLES:
SENT TO:

Test Successful: Y

TOOL DATA-----
Tool Wt. 2000.00 lbs
Wt Set On Packer 20000.00 lbs
Wt Pulled Loose 65000.00 lbs
Initial Str Wt 58000.00 lbs
Unseated Str Wt 61000.00 lbs
Bot Choke 0.75 in
Hole Size 7.78 in
D Col. ID 2.25 in
D. Pipe ID 3.80 in
D.C. Length 521.00 ft
D.P. Length 2739.00 ft

MUD DATA-----
Mud Type Chemical
Weight 9.50 lb/cf
Vis. 49.00 S/L
W.L. 8.20 in3
F.C. 0.00 in
Mud Drop

Amt. of fill 0.00 ft
Btm. H. Temp. 106.00 F
Hole Condition good
% Porosity 0.00
Packer Size 6.75 in
No. of Packers 2
Cushion Amt. 0.00
Cushion Type
Reversed Out N
Tool Chased N
Tester Ray Schwager
Co. Rep. Randy Killian
Contr. Murfin Drlg.
Rig # 8
Unit #
Pump T.

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Vade Belle Unit #18-1

LOCATION : 18-11s-19w Ellis co KS

TICKET No. 12664 D.S.T. No. 1 DATE 2-06-00

TOTAL TOOL TO BOTTOM OF TOP PACKERS 20

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 39

TOTAL TOOL 59

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single 1 Total 32

TOTAL ASSEMBLY 91

D.C. ABOVE TOOLS.Stands9 Single Total 521

D.P. ABOVE TOOLS.Stands44 Single Total 2739

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 3351

TOTAL DEPTH 3325

TOTAL DRILL PIPE ABOVE K.B. 26

REMARKS:

Rw .29 @ 43 degrees F.

P.O. SUB	3113
C.O. SUB	3235
S.I. TOOL	3239
HMV	3244
JARS	
SAFETY JOINT	
PACKER	3249
PACKER	3254
DEPTH	3255
ANCHOR 5'perf	3260
32'pipe	3292
5'perf	3297
5' "	3302
Alpine@3264	
AK-1 @3258	
5'perf	3307
5' "	3312
5' "	3317
5' "	3322
BULLNOSE 3'bullplug	3325
T.D.	3325

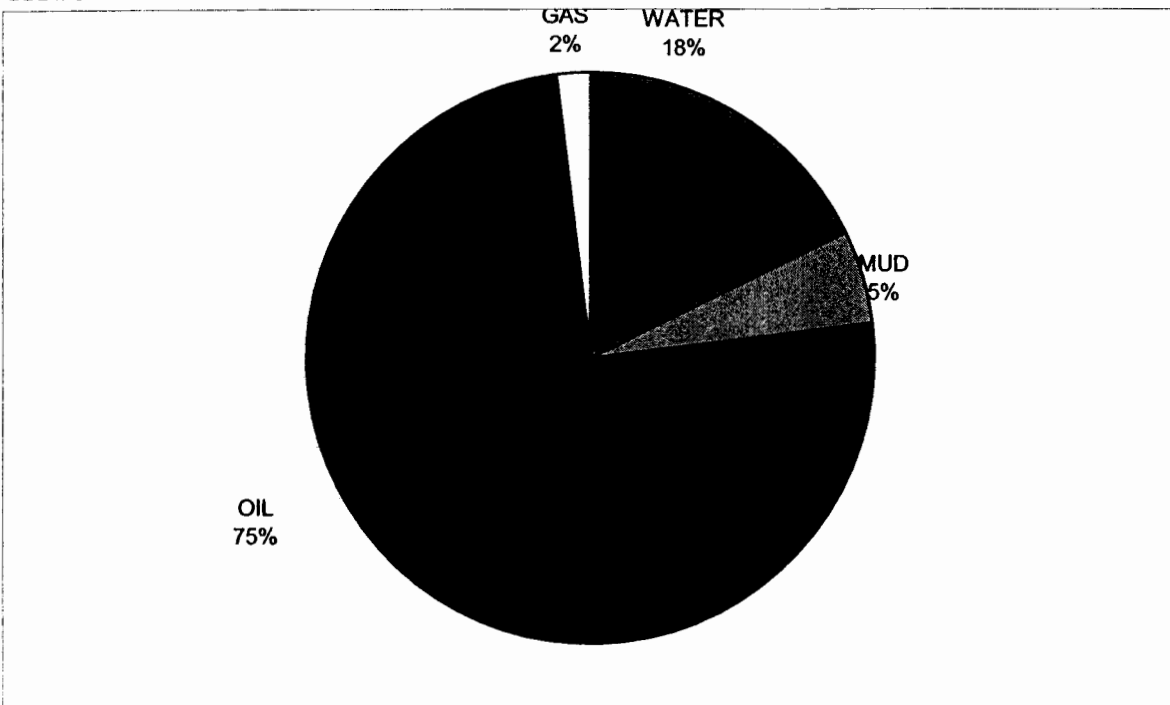
CALCULATED RECOVERY ANALYSIS

DST 1

TICKET 12664

SAMPLE #		TOTAL FEET	GAS %	FEET	OIL %	FEET	WATER %	FEET	MUD %	FEET
DRILL	1	1239	0	0	100	1239	0	0	0	0
PIPE	2	30	5	1.5	87	26.1	0	0	8	2.4
	3	180	12	21.6	28	0	20	36	40	72
	4	60	10	6	6	3.6	64	38.4	20	12
	5	60	10	6	6	3.6	79	47.4	5	3
	6	19	0	0	0	0	100	19	0	0
WEIGHT	1	0	0	0	0	0	0	0	0	0
PIPE	2	0	0	0	0	0	0	0	0	0
	3	0	0	0	0	0	0	0	0	0
	4	0	0	0	0	0	0	0	0	0
	5	0	0	0	0	0	0	0	0	0
DRILL	1	521	0	0	0	0	100	521	0	0
COLLARS	2	0	0	0	0	0	0	0	0	0
	3	0	0	0	0	0	0	0	0	0
	4	0	0	0	0	0	0	0	0	0
	5	0	0	0	0	0	0	0	0	0
TOTAL		2109	0	35.1	0	1272.3	0	661.8	0	89.4

BBL OIL= 18.092106 * HRS OPEN 1.25 = BBL/DAY 347.36844
 BBL WATER= 4.279686 * = 82.169971
 BBL MUD= 1.271268



TEST HISTORY

12664 DST#1 Vade Belle Unit #18-1 Imperial American Oil Corp.

Flag Points

t(Min.)	P(PSig)
A: 0.00	1605.65
B: 0.00	52.22
C: 30.00	291.70
D: 44.00	801.35
E: 0.00	298.11
F: 45.00	421.42
G: 61.50	798.65
H: 0.00	1574.37

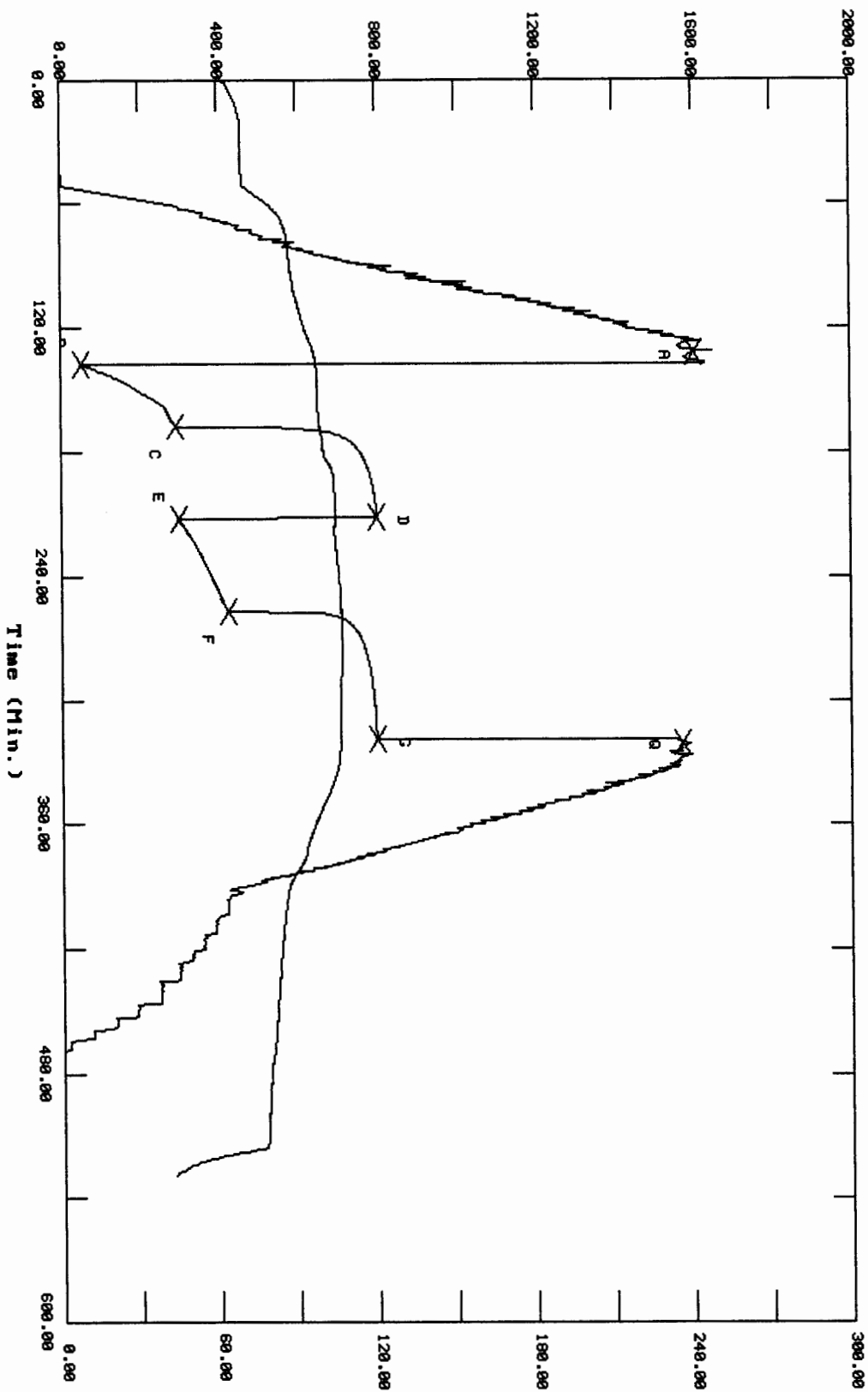
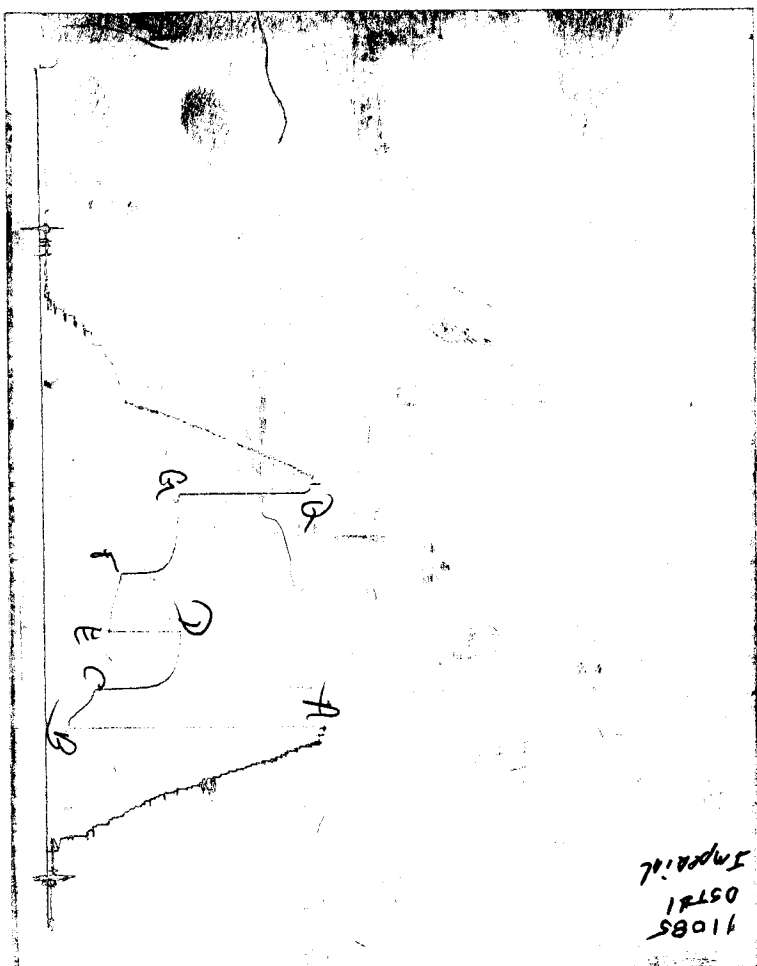


CHART PAGE



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

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

Nº 12664

Well Name & No.	<u>Uade Belle Unit #18-1</u>	Test No.	<u>1</u>	Date	<u>2-6-00</u>
Company	<u>Imperial American Oil Corp.</u>	Zone Tested	<u>Lansing A-D</u>		
Address	<u>10004 W 20th St. N. Wichita, Ks 67212</u>	Elevation	<u>2004</u>	KB	<u>1999</u> GL
Co. Rep / Geo.	<u>Randy Killian</u>	Cont.	<u>Martin B</u>	Est. Ft. of Pay	<u>-</u> Por. <u>-</u> %
Location: Sec.	<u>18</u>	Twp.	<u>11^s</u>	Rge.	<u>19^w</u> Co. <u>Ellis</u> State <u>Ks</u>
No. of Copies	<u>Reg</u>	Distribution Sheet (Y, N)	<u>N</u>	Turnkey (Y, N)	<u>N</u> Evaluation (Y, N) <u>-</u>

Interval Tested	<u>3254-3325</u>	Initial Str Wt/Lbs.	<u>58000</u>	Unseated Str Wt/Lbs.	<u>61000</u>
Anchor Length	<u>71</u>	Wt. Set Lbs.	<u>20000</u>	Wt. Pulled Loose/Lbs.	<u>65000</u>
Top Packer Depth	<u>3249</u>	Tool Weight	<u>2000</u>		
Bottom Packer Depth	<u>3254</u>	Hole Size — 7 7/8"	<u>yes</u>	Rubber Size — 6 3/4"	<u>yes</u>
Total Depth	<u>3325</u>	Wt. Pipe Run	<u>-</u>	Drill Collar Run	<u>521</u>
Mud Wt.	<u>9.5</u> LCM <u>TR</u> Vis. <u>49</u> WL <u>8.2</u>	Drill Pipe Size	<u>4 1/2 X H</u>	Ft. Run	<u>2739</u>
Blow Description	<u>FFP - WEAK building To A Strong Blow in 8 min</u> <u>FFP - WEAK building To A Good Blow 1/2" To 8" Blow</u> <u>No Blow on SHUT-IN</u>				

Recovery — Total Feet	<u>870</u>	GIP	<u>60</u>	Ft. in DC	<u>521</u>	Ft. in DP	<u>349</u>
Rec.	<u>30</u>	Feet Of	<u>MGO</u>	5 %gas	87 %oil	%water	8 %mud
Rec.	<u>180</u>	Feet Of	<u>H₂O + GCMW</u>	12 %gas	28 %oil	20 %water	40 %mud
Rec.	<u>60</u>	Feet Of	<u>O₂ + GCMW</u>	10 %gas	6 %oil	64 %water	20 %mud
Rec.	<u>60</u>	Feet Of	<u>O₂ + GCMW</u>	10 %gas	6 %oil	79 %water	5 %mud
Rec.	<u>540</u>	Feet Of	<u>WATER</u>	%gas	%oil	%water	%mud
BHT	<u>106</u>	°F Gravity	<u>-</u>	°API D@	<u>-</u>	°F Corrected Gravity	<u>-</u> °API
RW	<u>.29</u> @ <u>43</u>	°F Chlorides	<u>43000</u>	ppm Recovery	<u>5000</u>	ppm System	

	AK-1	Alpine				
(A) Initial Hydrostatic Mud	<u>1603</u>	<u>1605</u>	PSI Recorder No.	<u>3027</u>	T-On Location	<u>1200</u>
(B) First Initial Flow Pressure	<u>121</u>	<u>52</u>	PSI (depth)	<u>3264</u>	T-Started	<u>1325</u>
(C) First Final Flow Pressure	<u>275</u>	<u>291</u>	PSI Recorder No.	<u>11085</u>	T-Open	<u>1542</u>
(D) Initial Shut-In Pressure	<u>800</u>	<u>801</u>	PSI (depth)	<u>3258</u>	T-Pulled	<u>1842</u>
(E) Second Initial Flow Pressure	<u>385</u>	<u>298</u>	PSI Recorder No.	<u>-</u>	T-Out	<u>2215</u>
(F) Second Final Flow Pressure	<u>473</u>	<u>8421</u>	PSI (depth)	<u>-</u>	T-Off Location	<u>2245</u>
(G) Final Shut-in Pressure	<u>800</u>	<u>798</u>	PSI Initial Opening	<u>30</u>	Test	☒
(Q) Final Hydrostatic Mud	<u>1571</u>	<u>1574</u>	PSI Initial Shut-in	<u>45</u>	Jars	
			Final Flow	<u>45</u>	Safety Joint	
			Final Shut-in	<u>60</u>	Straddle	

TRILOBITE TESTING L.L.C. SHALL NOT BE LIABLE FOR DAMAGE 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.

Approved By _____

Our Representative Ray Schwager Thankyou

Circ. Sub _____
Sampler _____
Extra Packer _____
Elec. Rec. ☒ _____
Mileage _____
Other _____
TOTAL PRICE \$ ☒ _____

TRILOBITE TESTING L.L.C.

OPERATOR : Imperial American Oil
 WELL NAME: Vade Belle Unit #18-1
 LOCATION : 18-11s-19w Ellis co KS
 INTERVAL : 3320.00 To 3358.00 ft

DATE 2-07-00
 KB 2004.00 ft
 GR 1999.00 ft
 TD 3358.00 ft

TICKET NO: 12665
 DST #2
 FORMATION: Lansing F-G
 TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	11085		3027			PF Fr. 0850 to 0920 hr
SI 45 Range(Psi)	4300.0	0.0	4995.0	0.0	0.0	IS Fr. 0920 to 1005 hr
SF 45 Clock(hrs)	12hr		elec			SF Fr. 1005 to 1050 hr
FS 60 Depth(ft)	3329.0	0.0	3324.0	0.0	0.0	FS Fr. 1050 to 1150 hr

	Field	1	2	3	4	
A. Init Hydro	0.0	0.0	1605.0	0.0	0.0	T STARTED 0621 hr
B. First Flow	0.0	0.0	32.0	0.0	0.0	T ON BOTM 0847 hr
31. Final Flow	0.0	0.0	187.0	0.0	0.0	T OPEN 0850 hr
C. In Shut-in	0.0	0.0	646.0	0.0	0.0	T PULLED 1150 hr
D. Init Flow	0.0	0.0	193.0	0.0	0.0	T OUT 1504 hr
E. Final Flow	0.0	0.0	262.0	0.0	0.0	
F. Fl Shut-in	0.0	0.0	574.0	0.0	0.0	
G. Final Hydro	0.0	0.0	1579.0	0.0	0.0	
Inside/Outside	o		i			

RECOVERY

Tot Fluid 645.00 ft of 521.00 ft in DC and 124.00 ft in DP
 375.00 ft of Gas in pipe
 360.00 ft of Clean Oil
 0.00 ft of 100% oil
 225.00 ft of Slightly muddy gassy oil
 0.00 ft of 5% gas 90% oil 5% mud
 60.00 ft of Muddy gassy oil
 0.00 ft of 15% gas 50% oil 35% mud
 0.00 ft of
 SALINITY 0.00 P.P.M. A.P.I. Gravity 30.00

TOOL DATA-----
 Tool Wt. 2000.00 lbs
 Wt Set On Packer 20000.00 lbs
 Wt Pulled Loose 70000.00 lbs
 Initial Str Wt 62000.00 lbs
 Unseated Str Wt 62000.00 lbs
 Bot Choke 0.75 in
 Hole Size 7.78 in
 D Col. ID 2.25 in
 D. Pipe ID 3.80 in
 D.C. Length 521.00 ft
 D.P. Length 2801.00 ft

BLOW DESCRIPTION

Initial Flow:
 Weak to a strong blow in 12 minutes.

Final Flow:
 Weak to a good blow 1/2" to 8" blow.

Final Shut-In:
 No blow.

SAMPLES:
 SENT TO:

MUD DATA-----
 Mud Type Chemical
 Weight 9.50 lb/cf
 Vis. 49.00 S/L
 W.L. 8.20 in3
 F.C. 0.00 in
 Mud Drop
 Amt. of fill 0.00 ft
 Btm. H. Temp. 104.00 F
 Hole Condition good
 % Porosity 0.00
 Packer Size 6.75 in
 No. of Packers 2
 Cushion Amt. 0.00
 Cushion Type
 Reversed Out N
 Tool Chased N
 Tester Ray Schwager
 Co. Rep. Randy Killian
 Contr. Murfin Drlg.
 Rig # 8
 Unit #
 Pump T.

Test Successful: Y

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Vade Belle Unit #18-1

LOCATION : 18-11s-19w Ellis co KS

FICKET No. 12665 D.S.T. No. 2 DATE 2-07-00

TOTAL TOOL TO BOTTOM OF TOP PACKERS 20

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 38

TOTAL TOOL 58

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY

D.C. ABOVE TOOLS.Stands9 Single Total 521

D.P. ABOVE TOOLS.Stands45 Single Total 2801

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 3380

TOTAL DEPTH 3358

TOTAL DRILL PIPE ABOVE K.B. 22

REMARKS:

P.O. SUB	3180
C.O. SUB	3300
S.I. TOOL	3305
HMV	3310
JARS	
SAFETY JOINT	
PACKER	3315
PACKER	3320
DEPTH	3321
ANCHOR 5'perf	3326
5' "	3331
5' "	3336
5' "	3341
Alpine@3324	
Ak-1 @3329	
5'perf	3346
5' "	3351
4' "	3355
BULLNOSE 3'bullplug	3358
T.D.	3358

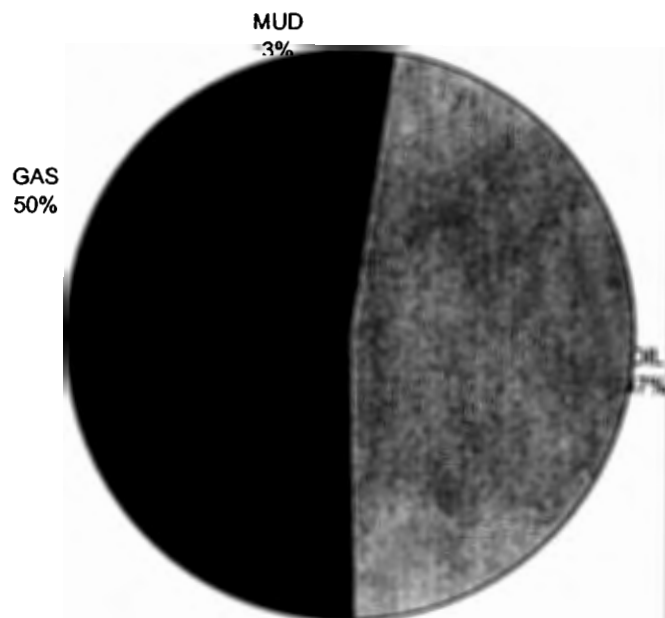
CALCULATED RECOVERY ANALYSIS

DST 2

TICKET 12665

SAMPLE #		TOTAL FEET	GAS %	FEET	OIL %	FEET	WATER %	FEET	MUD %	FEET
DRILL	1	124	100	124	0	0	0	0	0	0
PIPE	2	0	0	0	0	0	0	0	0	0
	3	0	0	0	0	0	0	0	0	0
	4	0	0	0	0	0	0	0	0	0
	5	0	0	0	0	0	0	0	0	0
	6	0	0	0	0	0	0	0	0	0
WEIGHT	1	0	0	0	0	0	0	0	0	0
PIPE	2	0	0	0	0	0	0	0	0	0
	3	0	0	0	0	0	0	0	0	0
	4	0	0	0	0	0	0	0	0	0
	5	0	0	0	0	0	0	0	0	0
DRILL	1	251	100	251	0	0	0	0	0	0
COLLARS	2	360	0	0	100	360	0	0	0	0
	3	225	5	11.25	90	202.5	0	0	5	11.25
	4	60	15	9	50	30	0	0	35	21
	5	0	0	0	0	0	0	0	0	0
TOTAL		1020	0	395.25	0	592.5	0	0	0	32.25

BBL OIL= 2.897325 * HRS OPEN 1.25 = BBL/DAY 55.62864
 BBL WATER= 0 * = 0
 BBL MUD= 0.1577025



TEST HISTORY

12665 DST#2 Vade Belle Unit #18-1 Imperial American Oil Corp.

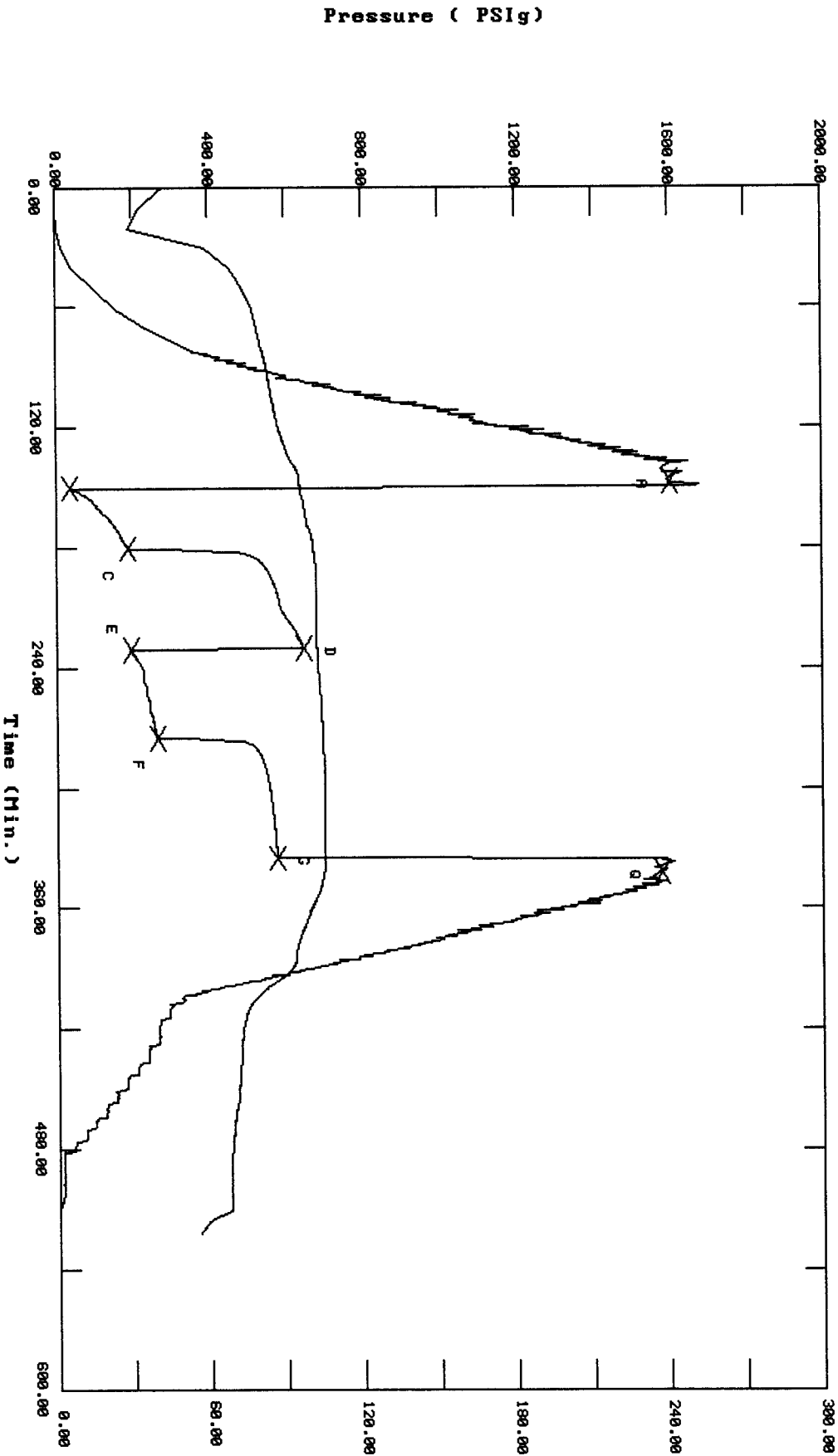
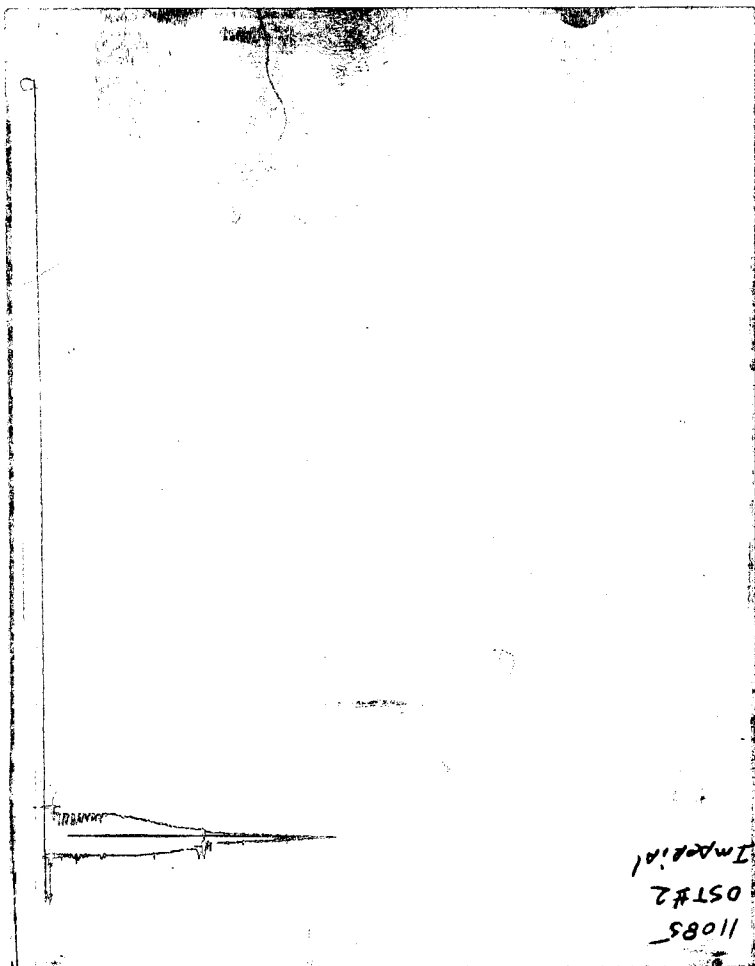


CHART PAGE



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

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

N^o 12665

Well Name & No.	<u>Uade Belle Unit #18-1</u>	Test No.	<u>2</u>	Date	<u>2-7-00</u>
Company	<u>Imperial American Oil Corp</u>	Zone Tested	<u>Lansing F-G</u>		
Address	<u>10004 W 20th St. N. Wichita, Ks 67212</u>	Elevation	<u>2004</u>	KB	<u>1999</u> GL
Co. Rep / Geo.	<u>Randy Killian</u>	Cont.	<u>Murfin 8</u>	Est. Ft. of Pay	<u>-</u> Por. <u>-</u> %
Location: Sec.	<u>18</u>	Twp.	<u>11^s</u>	Rge.	<u>19^w</u> Co. <u>ELLIS</u> State <u>Ks</u>
No. of Copies	<u>Reg</u>	Distribution Sheet (Y, N)	<u>N</u>	Turnkey (Y, N)	<u>N</u> Evaluation (Y, N) <u>-</u>

Interval Tested	<u>3320 - 3358</u>	Initial Str Wt./Lbs.	<u>62000</u>	Unseated Str Wt./Lbs.	<u>62000</u>
Anchor Length	<u>38</u>	Wt. Set Lbs.	<u>20000</u>	Wt. Pulled Loose/Lbs.	<u>70000</u>
Top Packer Depth	<u>3315</u>	Tool Weight	<u>2000</u>		
Bottom Packer Depth	<u>3320</u>	Hole Size — 7 7/8"	<u>yes</u>	Rubber Size — 6 3/4"	<u>yes</u>
Total Depth	<u>3358</u>	Wt. Pipe Run	<u>-</u>	Drill Collar Run	<u>521</u>
Mud Wt.	<u>9.5</u>	LCM	<u>TR</u>	Vis.	<u>49</u> WL <u>8.2</u>
		Drill Pipe Size	<u>4 1/2 XH</u>	Ft. Run	<u>2801</u>
Blow Description	<u>IFP - WEAK TO A STRONG BLOW IN 12 min</u>				
	<u>FFP - WEAK TO A GOOD BLOW 1/2" TO 8" BLOW</u>				
	<u>No Blow on SHUT-IN</u>				

Recovery — Total Feet	<u>645</u>	GIP	<u>375</u>	Ft. in DC	<u>521</u>	Ft. in DP	<u>124</u>
Rec.	<u>360</u>	Feet Of	<u>CO</u>	%gas	%oil	%water	%mud
Rec.	<u>225</u>	Feet Of	<u>SMGO</u>	<u>5</u> %gas	<u>90</u> %oil	%water	<u>5</u> %mud
Rec.	<u>60</u>	Feet Of	<u>MGO</u>	<u>15</u> %gas	<u>50</u> %oil	%water	<u>35</u> %mud
Rec.		Feet Of		%gas	%oil	%water	%mud
Rec.		Feet Of		%gas	%oil	%water	%mud
BHT	<u>104</u>	°F Gravity	<u>30</u>	°API D@	<u>60</u>	°F Corrected Gravity	<u>30</u> °API
RW	<u>-</u>	@	<u>-</u>	°F Chlorides	<u>-</u>	ppm Recovery	Chlorides <u>5000</u> ppm System

	AK-1	Alpine				
(A) Initial Hydrostatic Mud		<u>1605</u>	PSI Recorder No.	<u>3027</u>	T-On Location	<u>0540</u>
(B) First Initial Flow Pressure		<u>32</u>	PSI (depth)	<u>3324</u>	T-Started	<u>0621</u>
(C) First Final Flow Pressure		<u>187</u>	PSI Recorder No.	<u>11085</u>	T-Open	<u>0850</u>
(D) Initial Shut-In Pressure		<u>646</u>	PSI (depth)	<u>3329</u>	T-Pulled	<u>0150</u>
(E) Second Initial Flow Pressure		<u>193</u>	PSI Recorder No.	<u>-</u>	T-Out	<u>1504</u>
(F) Second Final Flow Pressure		<u>262</u>	PSI (depth)	<u>-</u>	T-Off Location	<u>1530</u>
(G) Final Shut-in Pressure		<u>574</u>	PSI Initial Opening	<u>30</u>	Test	<u>✓</u>
(Q) Final Hydrostatic Mud		<u>1579</u>	PSI Initial Shut-in	<u>45</u>	Jars	

Final Flow	<u>45</u>	Safety Joint	
Final Shut-in	<u>60</u>	Straddle	
		Circ. Sub	
		Sampler	
		Extra Packer	
		Elec. Rec.	<u>✓</u>
		Mileage	
		Other	
		TOTAL PRICE \$	<u>✓</u>

TRILOBITE TESTING L.L.C. SHALL NOT BE LIABLE FOR DAMAGE 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.

Approved By Randy Killian

Our Representative Ray Schwager Thank You

TRILOBITE TESTING L.L.C.

OPERATOR : Imperial American Oil DATE 2-08-00
WELL NAME: Vade Belle Unit #18-1 KB 2004.00 ft TICKET NO: 12666 DST #3
LOCATION : 18-11s-19w Ellis co KS GR 1999.00 ft FORMATION: Lansing I-J
INTERVAL : 3407.00 To 3482.00 ft TD 3482.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	11085		3027			PF Fr. 0709 to 0739 hr
SI 45 Range(Psi)	4300.0	0.0	4995.0	0.0	0.0	IS Fr. 0739 to 0824 hr
SF 45 Clock(hrs)	12hr		elec			SF Fr. 0824 to 0909 hr
FS 60 Depth(ft)	3419.0	0.0	3415.0	0.0	0.0	FS Fr. 0909 to 1009 hr

	Field	1	2	3	4	
A. Init Hydro	0.0	0.0	1681.0	0.0	0.0	T STARTED 0447 hr
B. First Flow	0.0	0.0	28.0	0.0	0.0	T ON BOTM 0706 hr
B1. Final Flow	0.0	0.0	107.0	0.0	0.0	T OPEN 0709 hr
C. In Shut-in	0.0	0.0	1105.0	0.0	0.0	T PULLED 1009 hr
D. Init Flow	0.0	0.0	120.0	0.0	0.0	T OUT 1247 hr
E. Final Flow	0.0	0.0	216.0	0.0	0.0	
F. Fl Shut-in	0.0	0.0	1098.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	0.0	0.0	1637.0	0.0	0.0	Tool Wt. 2000.00 lbs
Inside/Outside	o		i			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 70000.00 lbs
						Initial Str Wt 62000.00 lbs
						Unseated Str Wt 63000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.78 in
						D Col. ID 2.25 in
						D. Pipe ID 3.80 in
						D.C. Length 521.00 ft
						D.P. Length 2896.00 ft

RECOVERY

Tot Fluid 425.00 ft of 425.00 ft in DC and 0.00 ft in DP
360.00 ft of Gas in pipe
245.00 ft of clean oil
0.00 ft of 100% oil
120.00 ft of Gassy muddy oil
0.00 ft of 5% gas 90% oil 5% mud
60.00 ft of Gassy muddy oil
0.00 ft of 5% gas 75% oil 20% mud
0.00 ft of

SALINITY 0.00 P.P.M. A.P.I. Gravity 29.00

BLOW DESCRIPTION

Initial Flow:
Weak to a good blow. 1/2" to 6" blow.

Final Flow:
Weak to a fair blow. 1/2" to 4" blow.

Final Shut-In:
No blow.

SAMPLES:
SENT TO:

MUD DATA-----
Mud Type Chemical
Weight 9.40 lb/cf
Vis. 50.00 S/L
W.L. 10.00 in3
F.C. 0.00 in
Mud Drop

Amt. of fill 0.00 ft
Btm. H. Temp. 101.00 F
Hole Condition good
% Porosity 0.00
Packer Size 6.75 in
No. of Packers 2
Cushion Amt. 0.00
Cushion Type
Reversed Out N
Tool Chased N
Tester Ray Schwager
Co. Rep. Randy Killian
Contr. Murfin Drlg.
Rig # 8
Unit #
Pump T.

Test Successful: Y

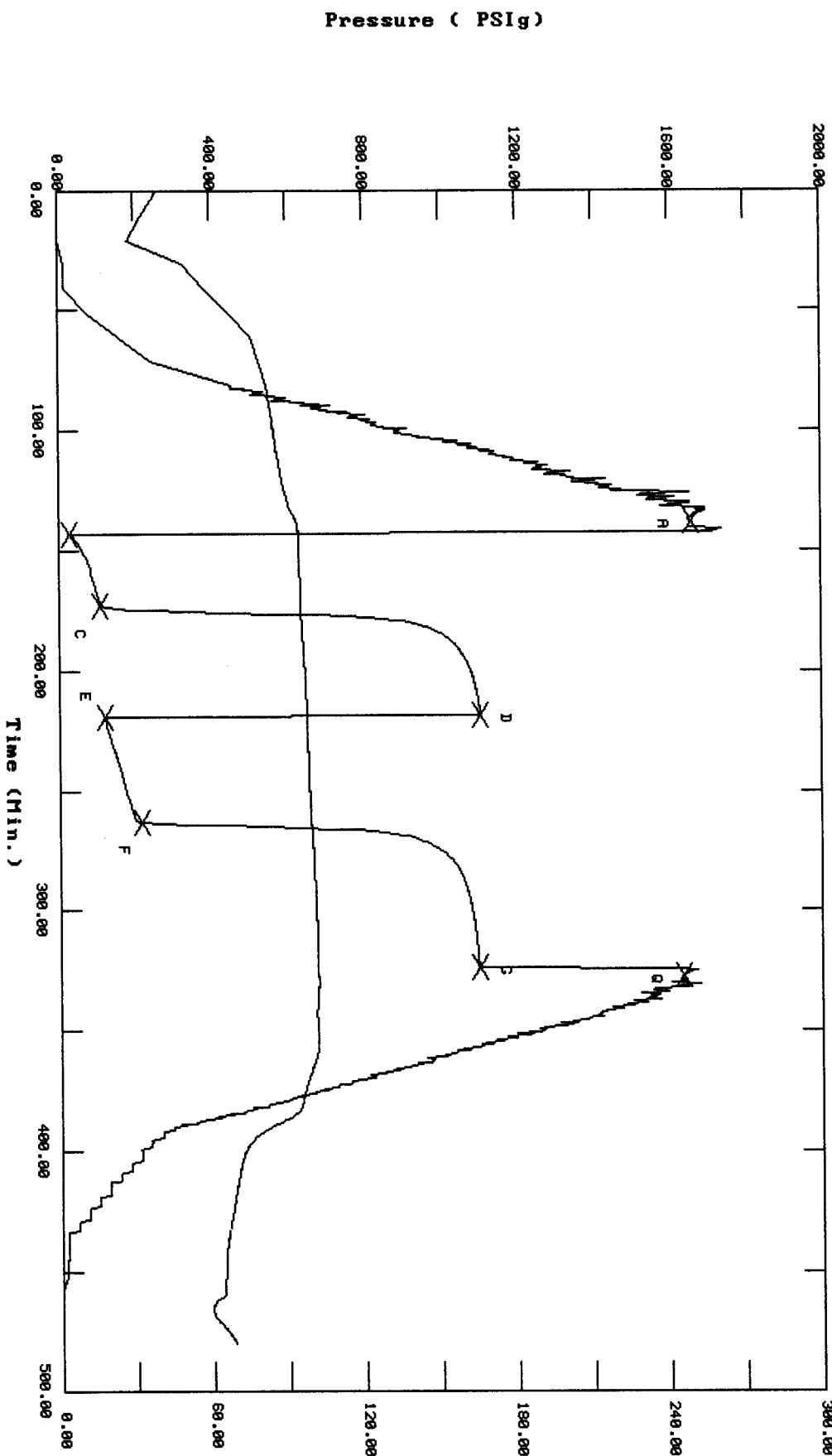
P.O.	SUB	3265
C.O.	SUB	3387
S.I.	TOOL	3392
HMV		3397
JARS		
SAFETY JOINT		
PACKER		3402
PACKER		3407
DEPTH		3408
ANCHOR 5'perf		3413
5' "		3418
5' "		3423
32'pipe		3455
Alpine@3415		
Ak-1 @3419		
5'perf		3460
5' "		3465
5' "		3470
5' "		3475
4' "		3479
BULLNOSE 3'bullplug		3482
T.D.		3482

TEST HISTORY

12666 DST#3 Vade Belle Unit #18-1 Imperial American Oil Corp.

Flag Points

t(Min.)	P(PSig)
R: 0.00	1661.44
B: 0.00	28.28
C: 30.00	107.89
D: 45.50	1105.21
E: 0.00	120.11
F: 44.00	216.66
G: 61.00	1098.90
Q: 0.00	1637.97



CALCULATED RECOVERY ANALYSIS

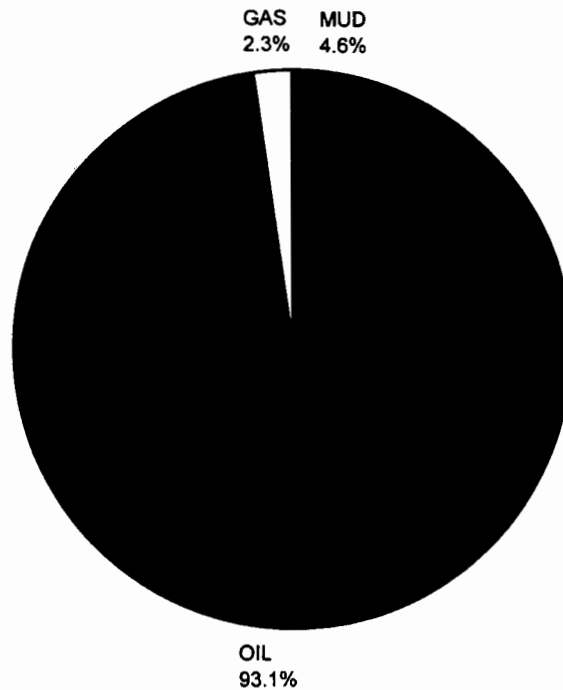
DST 3

TICKET 12666

SAMPLE #		TOTAL FEET	GAS %	FEET	OIL %	FEET	WATER %	FEET	MUD %	FEET
DRILL	1	0	0	0	0	0	0	0	0	0
PIPE	2	0	0	0	0	0	0	0	0	0
	3	0	0	0	0	0	0	0	0	0
	4	0	0	0	0	0	0	0	0	0
	5	0	0	0	0	0	0	0	0	0
	6	0	0	0	0	0	0	0	0	0
WEIGHT	1	0	0	0	0	0	0	0	0	0
PIPE	2	0	0	0	0	0	0	0	0	0
	3	0	0	0	0	0	0	0	0	0
	4	0	0	0	0	0	0	0	0	0
	5	0	0	0	0	0	0	0	0	0
DRILL	1	245	0	0	100	245	0	0	0	0
COLLARS	2	120	5	6	90	75	0	0	5	6
	3	60	5	3	75	45	0	0	20	12
	4	0	0	0	0	0	0	0	0	0
	5	0	0	0	0	0	0	0	0	0
TOTAL		425	0	9	0	365	0	0	0	18

BBL OIL= 1.78485 *
 BBL WATER= 0 *
 BBL MUD= 0.08802
 BBL GAS = 0.04401

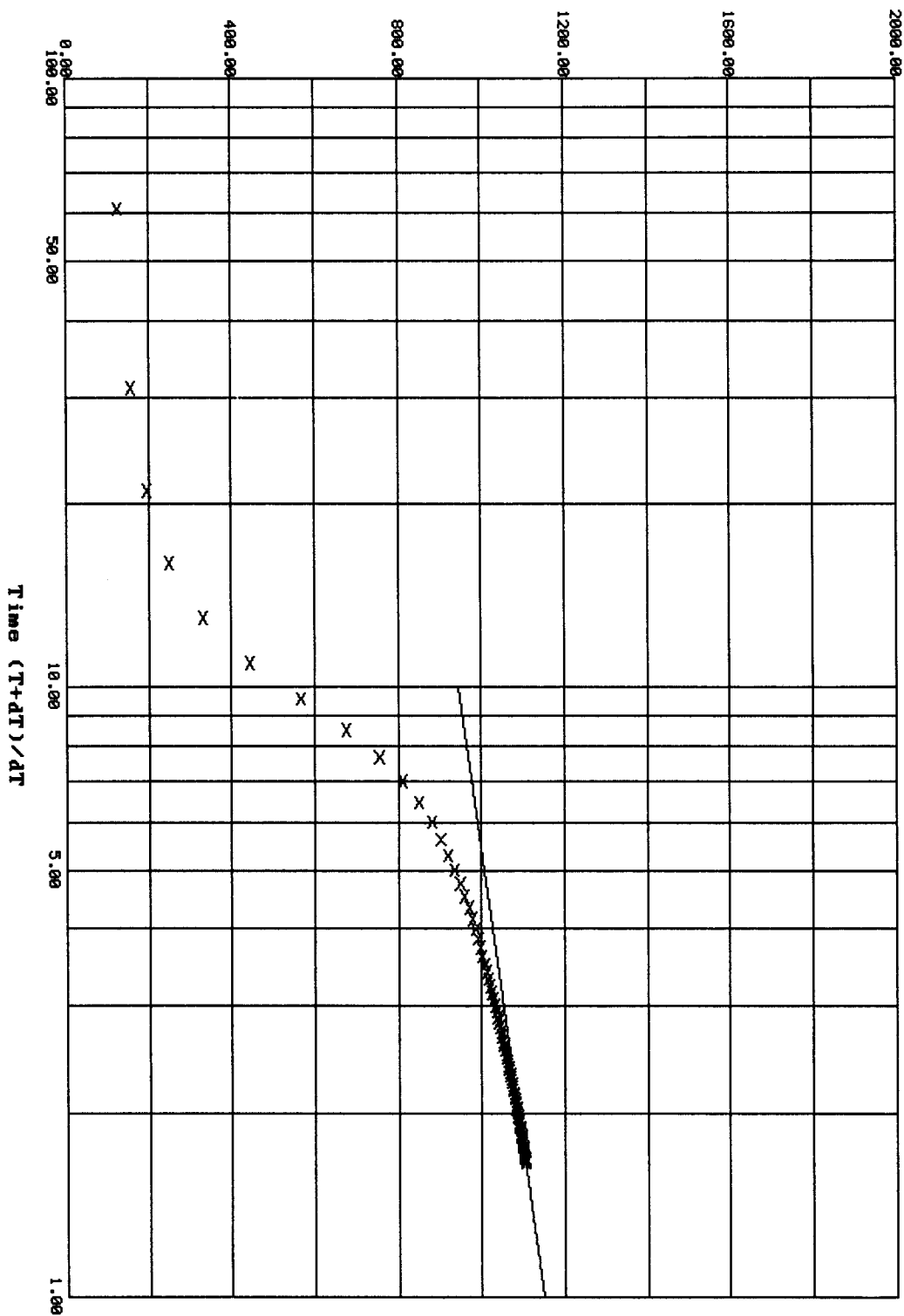
HRS OPEN 1.25 =
 BBL/DAY 34.26912
 = 0



Horner Plot: shut-in #1

12666 DST#3 Vade Belle Unit #18-1 Imperial American Oil Corp.

Slope: 207.7193 PSig/cycle
Ext. Pressure: 1150.9041 PSig



Horner Plot: shut-in #2

12666 DST#3 Uade Belle Unit #18-1 Imperial American Oil Corp.

Slope: 123.2944 PSig/cycle
Ext. Pressure: 1141.4486 PSig

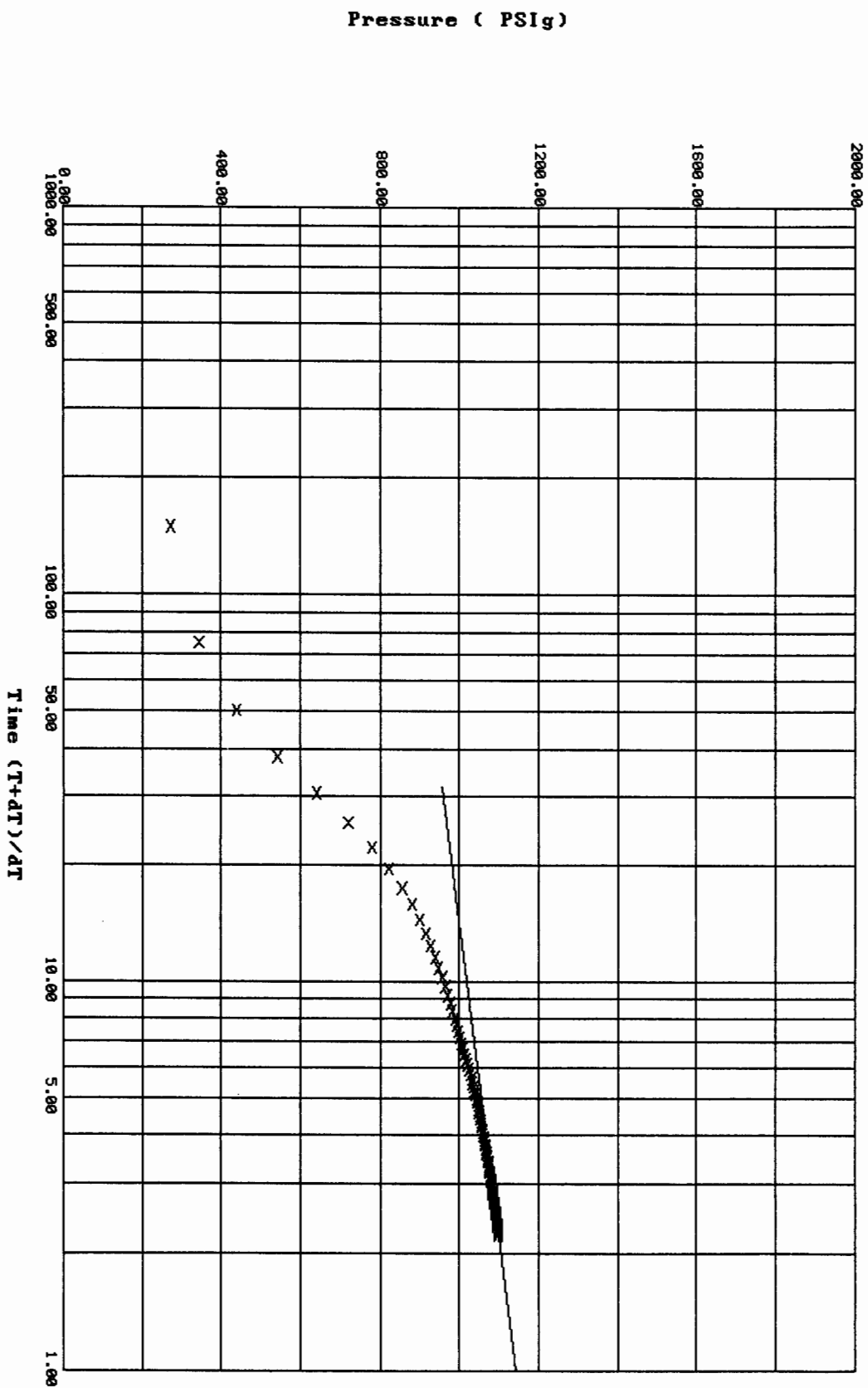
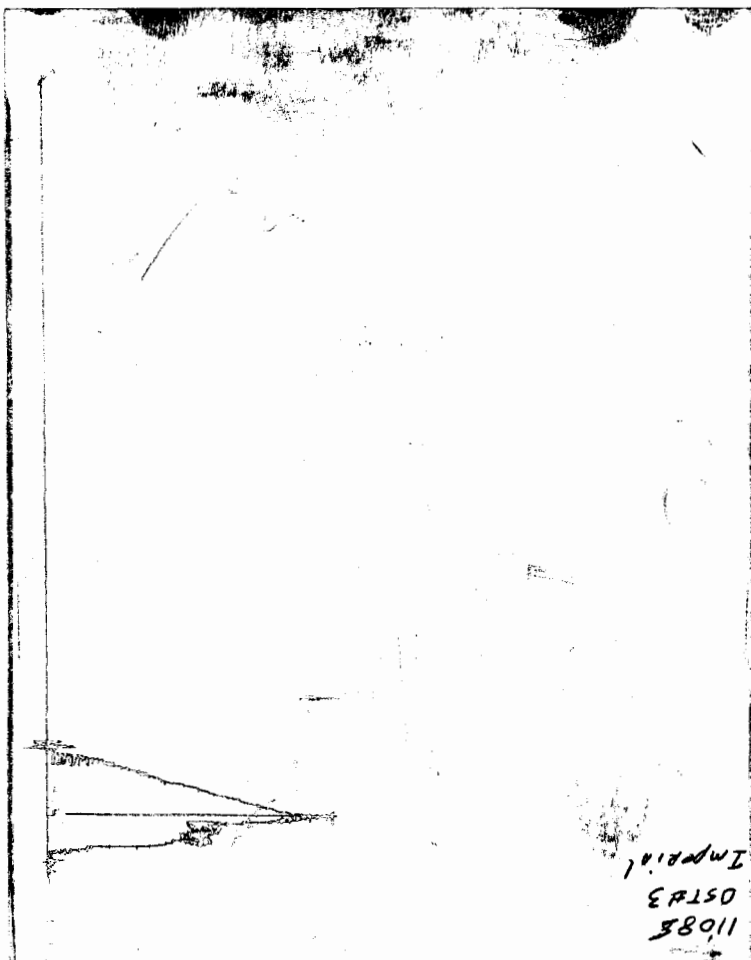


CHART PAGE



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

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

Nº 12666

Well Name & No.	<u>Uade Belle Unit #18-1</u>	Test No.	<u>3</u>	Date	<u>2-8-00</u>
Company	<u>Imperial American Oil Corp</u>	Zone Tested	<u>Lansing I-L</u>		
Address	<u>10004 W 20th ST. N. WICHITA, KS 67212</u>	Elevation	<u>2004</u>	KB	<u>1999</u> GL
Co. Rep / Geo.	<u>Randy Killian</u>	Cont.	<u>Murfin 8</u>	Est. Ft. of Pay	<u>—</u> Por. <u>—</u> %
Location: Sec.	<u>18</u>	Twp.	<u>11^s</u>	Rge.	<u>19^w</u> Co. <u>ELLIS</u> State <u>K</u>
No. of Copies	<u>Reg</u>	Distribution Sheet (Y, N)	<u>N</u>	Turnkey (Y, N)	<u>N</u> Evaluation (Y, N) <u>—</u>

Interval Tested	<u>3407-3482</u>	Initial Str Wt./Lbs.	<u>62000</u>	Unseated Str Wt./Lbs.	<u>63000</u>
Anchor Length	<u>75-</u>	Wt. Set Lbs.	<u>20000</u>	Wt. Pulled Loose/Lbs.	<u>70000</u>
Top Packer Depth	<u>3402</u>	Tool Weight	<u>2000</u>		
Bottom Packer Depth	<u>3407</u>	Hole Size — 7 7/8"	<u>yes</u>	Rubber Size — 6 3/4"	<u>yes</u>
Total Depth	<u>3482</u>	Wt. Pipe Run	<u>—</u>	Drill Collar Run	<u>521</u>
Mud Wt.	<u>9.4</u> LCMTR Vis. <u>50</u> WL <u>10</u>	Drill Pipe Size	<u>4 1/2 XH</u>	Ft. Run	<u>2896</u>
Blow Description	<u>IFP - WEAK To a Good Blow 1/2" To 6" Blow</u> <u>FFP - WEAK To a Fair Blow 1/2" To 4" Blow</u> <u>No Blow on SHUT-IN</u>				

Recovery — Total Feet	<u>425</u>	GIP	<u>360</u>	Ft. in DC	<u>425</u>	Ft. in DP	<u>—</u>			
Rec.	<u>245</u>	Feet Of	<u>CO</u>	%gas		%oil		%water		%mud
Rec.	<u>120</u>	Feet Of	<u>GMO</u>	<u>5</u> %gas	<u>90</u> %oil			%water	<u>5</u>	%mud
Rec.	<u>60</u>	Feet Of	<u>GMO</u>	<u>5</u> %gas	<u>75</u> %oil			%water	<u>20</u>	%mud
Rec.		Feet Of		%gas		%oil		%water		%mud
Rec.		Feet Of		%gas		%oil		%water		%mud
BHT	<u>101</u>	°F Gravity.	<u>29</u>	°API D@	<u>60</u>	°F Corrected Gravity	<u>29</u>	°API		
RW	<u>—</u>	@	<u>—</u>	°F Chlorides	<u>—</u>	ppm Recovery		Chlorides	<u>5000</u>	ppm System

	AK-1	Alpine					
(A) Initial Hydrostatic Mud		<u>1681</u>	PSI Recorder No.	<u>3027</u>	T-On Location	<u>0420</u>	
(B) First Initial Flow Pressure		<u>28</u>	PSI (depth)	<u>3415</u>	T-Started	<u>0447</u>	
(C) First Final Flow Pressure		<u>107</u>	PSI Recorder No.	<u>11085</u>	T-Open	<u>0709</u>	
(D) Initial Shut-In Pressure		<u>1105</u>	PSI (depth)	<u>3419</u>	T-Pulled	<u>1009</u>	
(E) Second Initial Flow Pressure		<u>120</u>	PSI Recorder No.	<u>—</u>	T-Out	<u>1247</u>	
(F) Second Final Flow Pressure		<u>216</u>	PSI (depth)	<u>—</u>	T-Off Location	<u>1315</u>	
(G) Final Shut-in Pressure		<u>1098</u>	PSI Initial Opening	<u>30</u>	Test	☒	
(Q) Final Hydrostatic Mud		<u>1637</u>	PSI Initial Shut-in	<u>45</u>	Jars		
			Final Flow	<u>45</u>	Safety Joint		
			Final Shut-in	<u>60</u>	Straddle		

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Approved By _____

Our Representative

Ray Schwager THANK YOU

Mileage _____
Other _____
TOTAL PRICE \$ ✓

TRILOBITE TESTING L.L.C.

OPERATOR : Imperial American Oil
WELL NAME: Vade Belle Unit 18-1
LOCATION : 18-11s-19w Ellis co KS
INTERVAL : 3564.00 To 3579.00 ft

DATE 2-09-00
KB 2004.00 ft
GR 1999.00 ft
TD 3579.00 ft

TICKET NO: 12667
FORMATION: Arbuckle
TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	11085	11085	3027			PF Fr. 0310 to 0340 hr
SI 45 Range(Psi)	4300.0	4300.0	4995.0	0.0	0.0	IS Fr. 0340 to 0425 hr
SF 45 Clock(hrs)	12hr	12hr	elec			SF Fr. 0425 to 0510 hr
FS 60 Depth(ft)	3576.0	3576.0	3566.0	0.0	0.0	FS Fr. 0510 to 0610 hr

	Field	1	2	3	4	
A. Init Hydro	1722.0	1722.0	1734.0	0.0	0.0	T STARTED 0032 hr
B. First Flow	198.0	160.0	93.0	0.0	0.0	T ON BOTM 0307 hr
B1. Final Flow	528.0	508.0	559.0	0.0	0.0	T OPEN 0310 hr
C. In Shut-in	1126.0	1077.0	1138.0	0.0	0.0	T PULLED 0610 hr
D. Init Flow	647.0	622.0	568.0	0.0	0.0	T OUT 1047 hr
E. Final Flow	854.0	826.0	875.0	0.0	0.0	
F. Fl Shut-in	1126.0	1083.0	1133.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1722.0	1695.0	1722.0	0.0	0.0	Tool Wt. 2000.00 lbs
Inside/Outside	o	o	i			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 74000.00 lbs
						Initial Str Wt 63000.00 lbs
						Unseated Str Wt 71000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.78 in
						D Col. ID 2.25 in
						D. Pipe ID 3.80 in
						D.C. Length 521.00 ft
						D.P. Length 3051.00 ft

RECOVERY

Tot Fluid 2140.00 ft of 521.00 ft in DC and 1619.00 ft in DP
2140.00 ft of Clean oil
0.00 ft of 100% oil
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of

SALINITY 0.00 P.P.M. A.P.I. Gravity 25.00

BLOW DESCRIPTION

Initial Flow:
Weak to a strong blow in 2 minutes.

Final Flow:
Strong blow throughout.

Final Shut-In:
Had blow back.

SAMPLES:

SENT TO:

MUD DATA-----

Mud Type	Chemical
Weight	9.30 lb/cf
Vis.	50.00 S/L
W.L.	10.00 in3
F.C.	0.00 in
Mud Drop	

Amt. of fill	0.00 ft
Btm. H. Temp.	114.00 F
Hole Condition	good
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out N	
Tool Chased N	
Tester	Ray Schwager
Co. Rep.	Randy Killian
Contr.	Murfin Drlg.
Rig #	8
Unit #	
Pump T.	

Test Successful: Y

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Vade Belle Unit 18-1

LOCATION : 18-11s-19w Ellis co KS

TICKET No. 12667 D.S.T. No. 4 DATE 2-09-00

TOTAL TOOL TO BOTTOM OF TOP PACKERS 20

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 15

TOTAL TOOL 35

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY

D.C. ABOVE TOOLS.Stands9 Single Total 521

D.P. ABOVE TOOLS.Stands49 Single Total 3051

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 3607

TOTAL DEPTH 3579

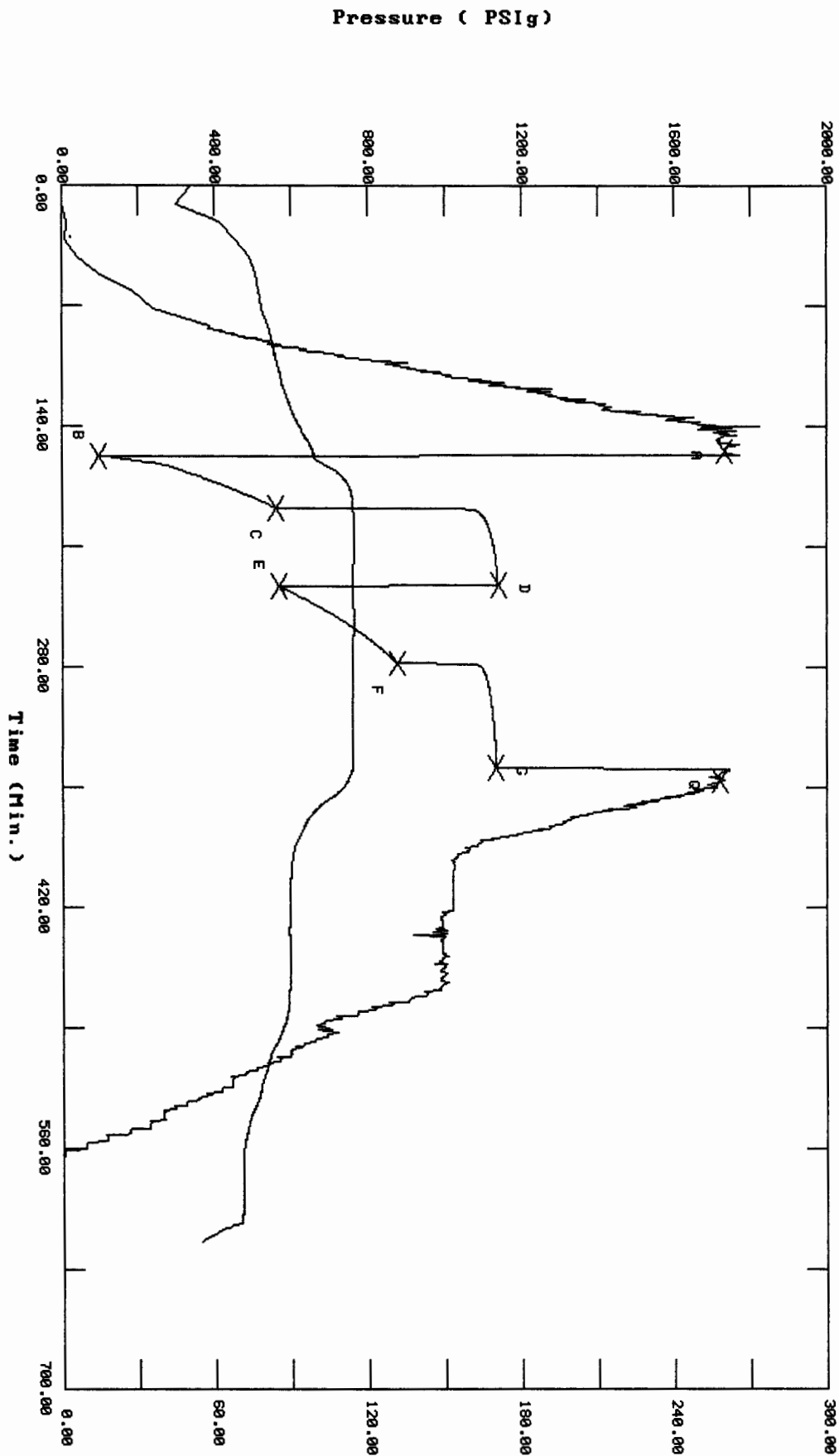
TOTAL DRILL PIPE ABOVE K.B. 28

REMARKS:

P.O. SUB	3422
C.O. SUB	3544
S.I. TOOL	3549
HMV	3554
JARS	
SAFETY JOINT	
PACKER	3559
PACKER	3564
DEPTH	3565
ANCHOR 5'perf	3570
4' "	3574
Alpine@3566	
Ak-1 @3576	
2'perf	3576
BULLNOSE 3'bullplug	3579
T.D.	3579

TEST HISTORY

12667 DST#4 Uade Belle Unit #18-1 Imperial American Oil Corp.



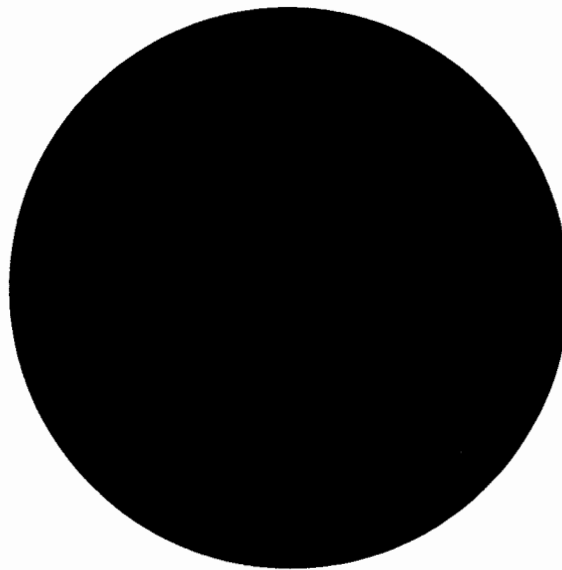
CALCULATED RECOVERY ANALYSIS

DST 4

TICKET 15667

SAMPLE #		TOTAL FEET	GAS %	FEET	OIL %	FEET	WATER %	FEET	MUD %	FEET
DRILL	1	1619	0	0	100	1619	0	0	0	0
PIPE	2	0	0	0	0	0	0	0	0	0
	3	0	0	0	0	0	0	0	0	0
	4	0	0	0	0	0	0	0	0	0
	5	0	0	0	0	0	0	0	0	0
	6	0	0	0	0	0	0	0	0	0
WEIGHT	1	0	0	0	0	0	0	0	0	0
PIPE	2	0	0	0	0	0	0	0	0	0
	3	0	0	0	0	0	0	0	0	0
	4	0	0	0	0	0	0	0	0	0
	5	0	0	0	0	0	0	0	0	0
DRILL	1	521	0	0	100	521	0	0	0	0
COLLARS	2	0	0	0	0	0	0	0	0	0
	3	0	0	0	0	0	0	0	0	0
	4	0	0	0	0	0	0	0	0	0
	5	0	0	0	0	0	0	0	0	0
TOTAL		2140	0	0	0	2140	0	0	0	0

BBL OIL=	25.56987	*	HRS OPEN	=	BBL/DAY
BBL WATER=	0	*	1.25	=	490.9415
BBL MUD=	0				0
BBL GAS =	0				

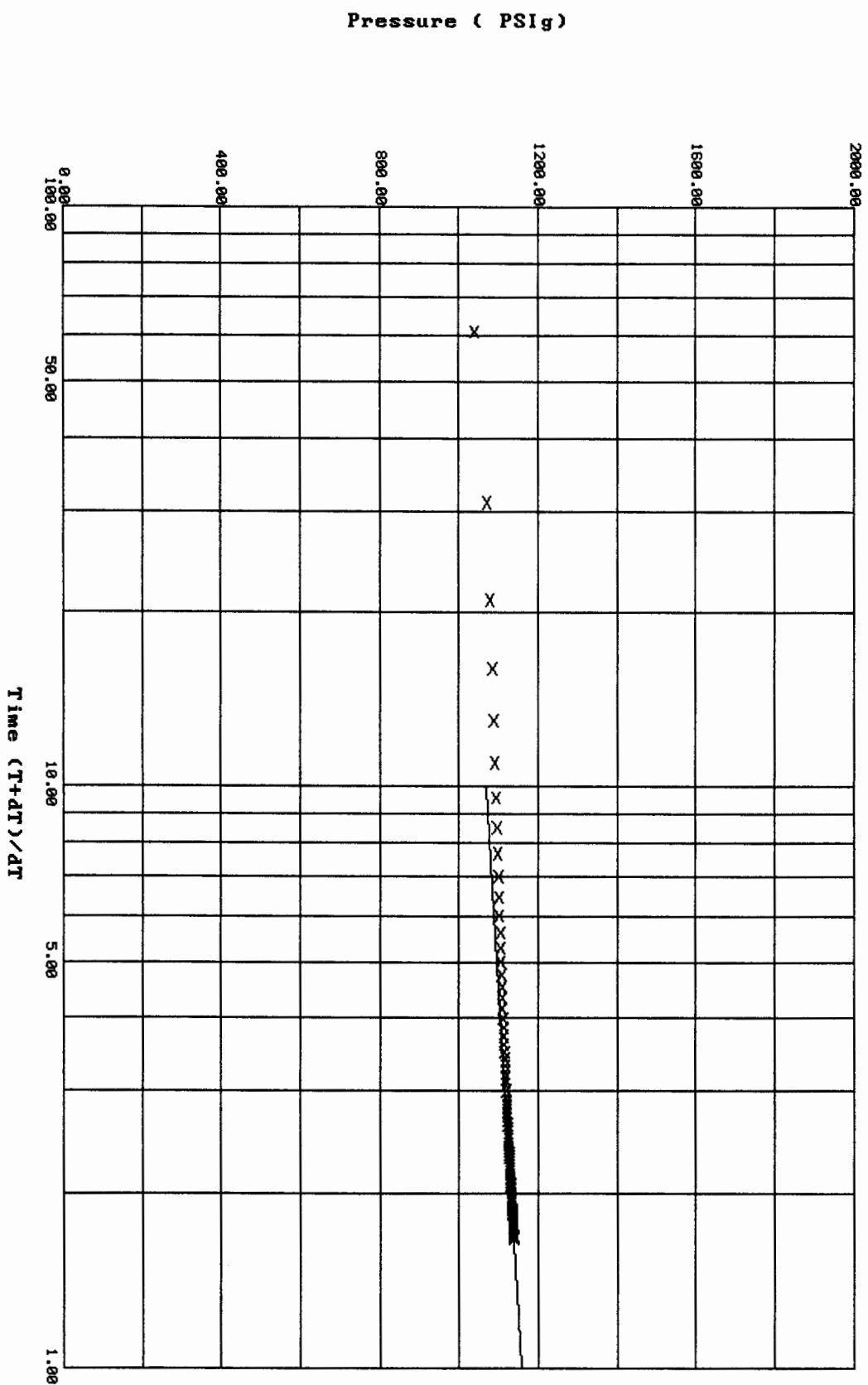


OIL
100.0%

Horner Plot: shut-in #1

12667 DST#4 Uade Belle Unit #18-1 Imperial American Oil Corp.

Slope: 88.8070 PSig/cycle
Ext. Pressure: 1158.3109 PSig



Horner Plot: shut-in #2
12667 DST#4 Uade Belle Unit #18-1 Imperial American Oil Corp.

Slope: 50.5175 PSig/cycle
Ext. Pressure: 1151.4543 PSig

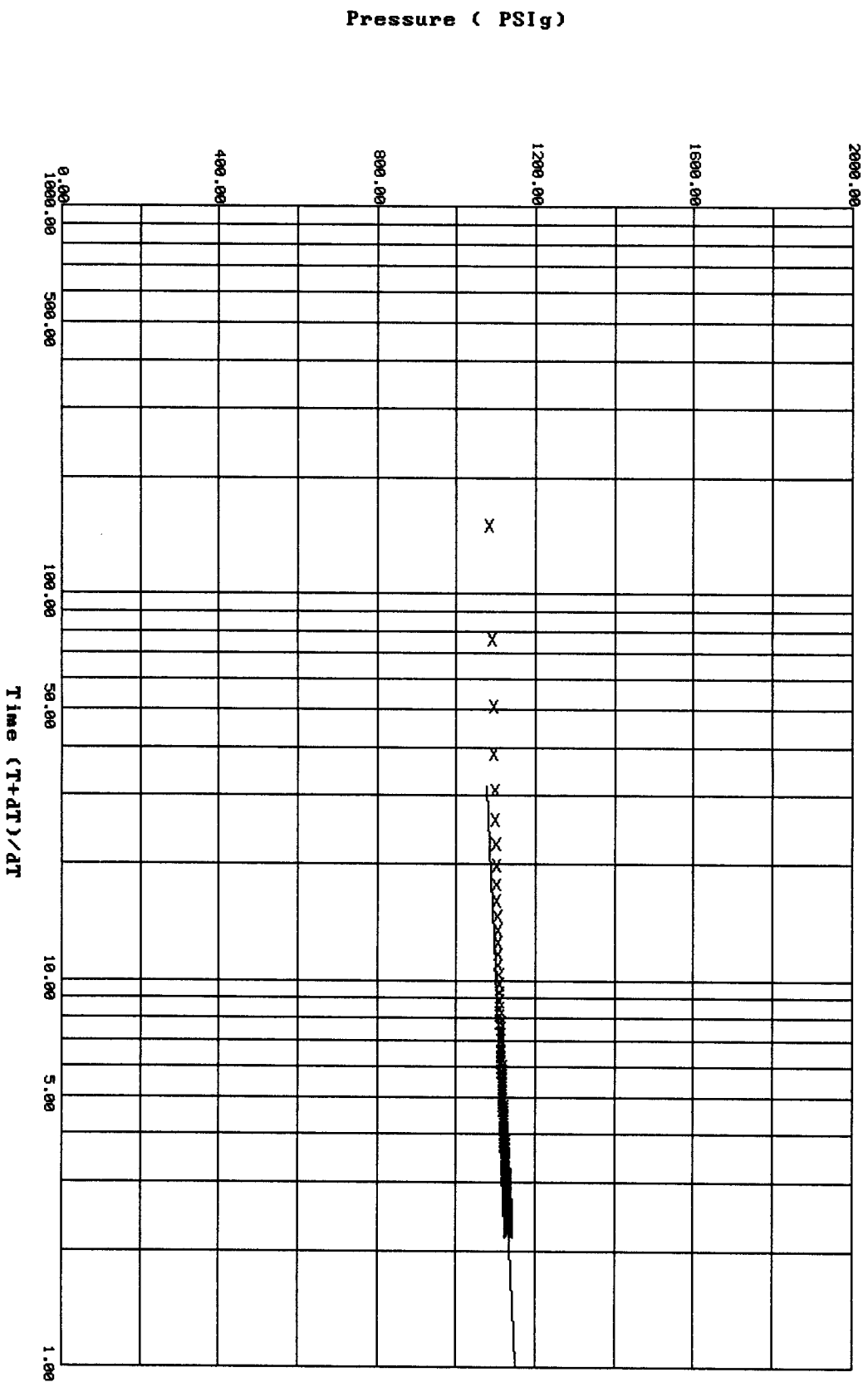
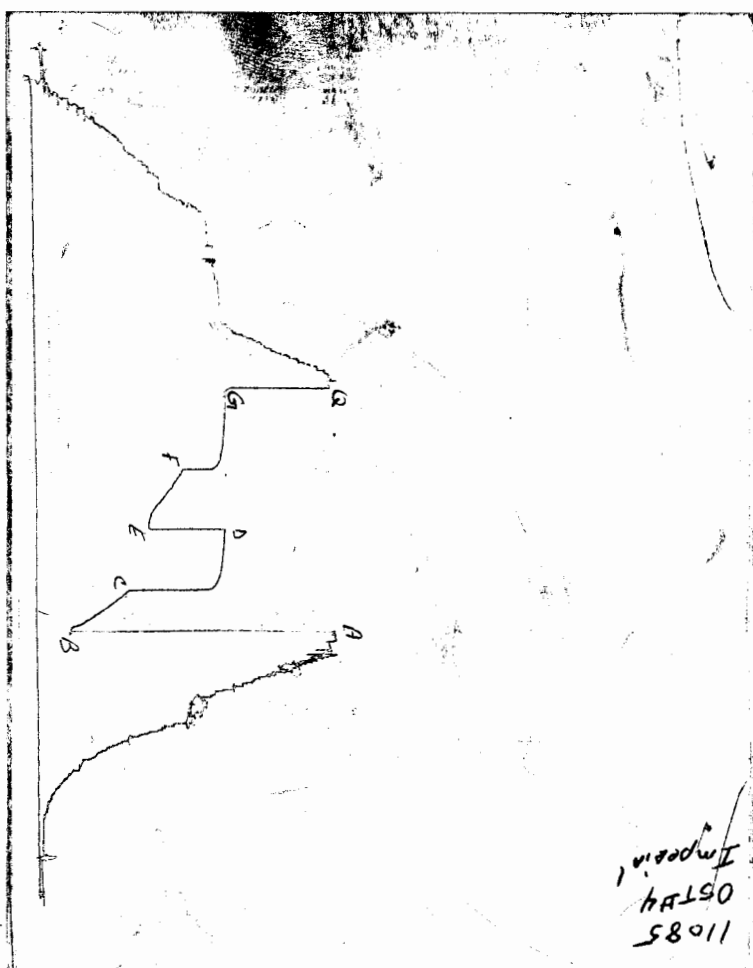


CHART PAGE



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

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

N^o 12667

Well Name & No.	<u>Uade Belle Unit #18-1</u>	Test No.	<u>4</u>	Date	<u>2-9-00</u>
Company	<u>Imperial American Oil Corp</u>	Zone Tested	<u>Rebuckle</u>		
Address	<u>10004 W 20th ST. N. Wichita, Ks 67212</u>	Elevation	<u>2004</u>	KB	<u>1999</u> GL
Co. Rep / Geo.	<u>Randy Killian</u>	Cont.	<u>Murfin</u>	Est. Ft. of Pay	<u>8</u> Por. <u> </u> %
Location: Sec.	<u>18</u>	Twp.	<u>11^s</u>	Rge.	<u>19^w</u> Co. <u>Ellis</u> State <u>K</u>
No. of Copies	<u>Reg</u>	Distribution Sheet (Y, N)	<u>N</u>	Turnkey (Y, N)	<u>N</u> Evaluation (Y, N) <u> </u>

Interval Tested	<u>3564-3579</u>	Initial Str Wt./Lbs.	<u>63000</u>	Unseated Str Wt./Lbs.	<u>71000</u>
Anchor Length	<u>15</u>	Wt. Set Lbs.	<u>20000</u>	Wt. Pulled Loose/Lbs.	<u>74000</u>
Top Packer Depth	<u>3559</u>	Tool Weight	<u>2000</u>		
Bottom Packer Depth	<u>3564</u>	Hole Size — 7 7/8"	<u>yes</u>	Rubber Size — 6 3/4"	<u>yes</u>
Total Depth	<u>3579</u>	Wt. Pipe Run	<u> </u>	Drill Collar Run	<u>521</u>
Mud Wt. <u>9.3</u> LCM <u>Fe.</u> Vis. <u>50</u> WL <u>10</u>		Drill Pipe Size	<u>4 1/2 XH</u>	Ft. Run	<u>3051</u>
Blow Description	<u>IFP - WEAK TO A STRONG BLOW in 2 min</u> <u>FFP - STRONG BLOW Throughout</u> <u>HAD BLOW BACK on SHUT-IN</u>				

Recovery — Total Feet	<u>2140</u>	GIP	<u>180</u>	Ft. in DC	<u>521</u>	Ft. in DP	<u>1619</u>
Rec.	<u>2140</u>	Feet Of	<u>Clean Oil</u>	%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.		Feet Of		%gas	%oil	%water	%mud
BHT	<u>114</u>	°F Gravity	<u>24</u>	°API D@	<u>50</u>	°F Corrected Gravity	<u>25</u> °API
RW	<u> </u>	@	<u> </u>	°F Chlorides	<u> </u>	ppm Recovery	Chlorides <u>6000</u> ppm System

	AK-1	Alpine		
(A) Initial Hydrostatic Mud	<u>1722</u>	<u>1734</u>	PSI Recorder No.	<u>3027</u> T-On Location <u>0000</u>
(B) First Initial Flow Pressure	<u>198</u>	<u>93</u>	PSI (depth)	<u>3566</u> T-Started <u>0032</u>
(C) First Final Flow Pressure	<u>528</u>	<u>559</u>	PSI Recorder No.	<u>11085</u> T-Open <u>0310</u>
(D) Initial Shut-In Pressure	<u>1126</u>	<u>1138</u>	PSI (depth)	<u>3576</u> T-Pulled <u>0610</u>
(E) Second Initial Flow Pressure	<u>647</u>	<u>568</u>	PSI Recorder No.	<u> </u> T-Out <u>1047</u>
(F) Second Final Flow Pressure	<u>854</u>	<u>875</u>	PSI (depth)	<u> </u> T-Off Location <u>1115</u>
(G) Final Shut-in Pressure	<u>1126</u>	<u>1133</u>	PSI Initial Opening	<u>30</u> Test ☒
(Q) Final Hydrostatic Mud	<u>1722</u>	<u>1722</u>	PSI Initial Shut-in	<u>45</u> Jars <u> </u>

Final Flow	<u>45</u>	Safety Joint	<u> </u>
Final Shut-in	<u>60</u>	Straddle	<u> </u>
		Circ. Sub	<u> </u>
		Sampler	<u> </u>

TRILOBITE TESTING L.L.C. SHALL NOT BE LIABLE FOR DAMAGE 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.

Approved By

Our Representative RAY SCHWAGER THANKYOU

Extra Packer
Elec. Rec. ☒
Mileage
Other
TOTAL PRICE \$

TRILOBITE TESTING L.L.C.

OPERATOR : Imperial American Oil
WELL NAME: Vade Belle Unit #18-1
LOCATION : 18-11s-19w Ellis co KS
INTERVAL : 3580.00 To 3590.00 ft

DATE 2-09-00
KB 2004.00 ft
GR 1999.00 ft
TD 3590.00 ft

TICKET NO: 12668 DST #5
FORMATION: Arbuckle
TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 10 Rec.	11085	11085	3027			PF Fr. 1905 to 1915 hr
BI 30 Range(Psi)	4300.0	4300.0	4995.0	0.0	0.0	IS Fr. 1915 to 1945 hr
BF 10 Clock(hrs)	12hr	12hr	elec			SF Fr. 1945 to 1955 hr
FS 45 Depth(ft)	3587.0	3587.0	3582.0	0.0	0.0	FS Fr. 1955 to 2040 hr

	Field	1	2	3	4	
A. Init Hydro	1777.0	1847.0	1729.0	0.0	0.0	T STARTED 1653 hr
B. First Flow	473.0	629.0	382.0	0.0	0.0	T ON BOTM 1902 hr
BI. Final Flow	691.0	689.0	728.0	0.0	0.0	T OPEN 1905 hr
C. In Shut-in	1126.0	1095.0	1137.0	0.0	0.0	T PULLED 2040 hr
D. Init Flow	745.0	734.0	680.0	0.0	0.0	T OUT 1234 hr
E. Final Flow	756.0	747.0	777.0	0.0	0.0	
F. Fl Shut-in	1126.0	1098.0	1136.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1766.0	1767.0	1723.0	0.0	0.0	Tool Wt. 2000.00 lbs
Inside/Outside	o	o	i			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 73000.00 lbs
						Initial Str Wt 59000.00 lbs
						Unseated Str Wt 64000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.78 in
						D Col. ID 2.25 in
						D. Pipe ID 3.80 in
						D.C. Length 521.00 ft
						D.P. Length 3053.00 ft

RECOVERY

Tot Fluid 1760.00 ft of 521.00 ft in DC and 1239.00 ft in DP
1760.00 ft of Clean oil
0.00 ft of 100% oil
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of

SALINITY 0.00 P.P.M. A.P.I. Gravity 25.00

BLOW DESCRIPTION

Initial Flow:
Strong blow throughout.

Final Flow:
Strong blow throughout.

Final Shut-In:
Had blow back.

SAMPLES:

SENT TO:

MUD DATA-----

Mud Type Chemical
Weight 9.30 lb/c.
Vis. 50.00 S/L
W.L. 10.00 in3
F.C. 0.00 in
Mud Drop

Amt. of fill 0.00 ft
Btm. H. Temp. 114.00 F
Hole Condition good
% Porosity 0.00
Packer Size 6.75 in
No. of Packers 2
Cushion Amt. 0.00
Cushion Type
Reversed Out N
Tool Chased N
Tester Ray Schwager
Co. Rep. Randy Killian
Contr. Murfin Drlg.
Rig # 8
Unit #
Pump T.

Test Successful: Y

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Vade Belle Unit #18-1

LOCATION : 18-11s-19w Ellis co KS

TICKET No. 12668 D.S.T. No. 5 DATE 2-09-00

TOTAL TOOL TO BOTTOM OF TOP PACKERS 20

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 10

TOTAL TOOL 30

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY

D.C. ABOVE TOOLS.Stands9 Single Total 521

D.P. ABOVE TOOLS.Stands49 Single Total 3053

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 3604

TOTAL DEPTH 3590

TOTAL DRILL PIPE ABOVE K.B. 14

REMARKS:

P.O. SUB	3440
C.O. SUB	3560
S.I. TOOL	3565
HMV	3570
JARS	
SAFETY JOINT	
PACKER	3575
PACKER	3580
DEPTH	3581
ANCHOR 5'perf	3586
Alpine@3582	
Ak-1 @3587	
1'perf	3587
BULLNOSE 3'bullplug	3590
T.D.	3590

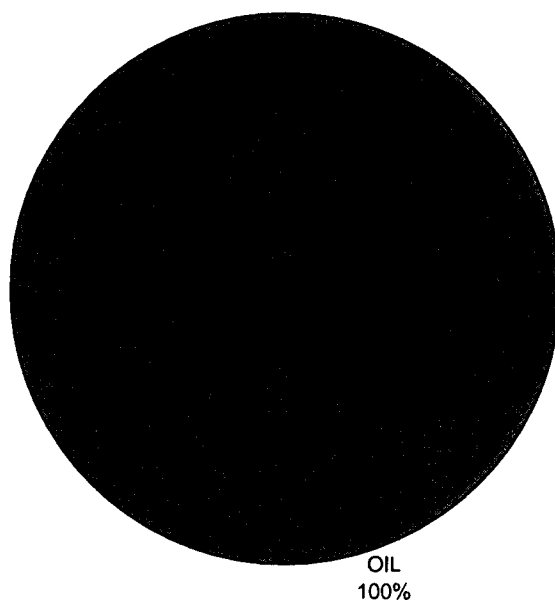
CALCULATED RECOVERY ANALYSIS

DST 5

TICKET 12668

SAMPLE		TOTAL		GAS		OIL		WATER		MUD	
#		FEET	%	FEET	%	FEET	%	FEET	%	FEET	%
DRILL	1	1239	0	0	100	1239	0	0	0	0	0
PIPE	2	0	0	0	0	0	0	0	0	0	0
	3	0	0	0	0	0	0	0	0	0	0
	4	0	0	0	0	0	0	0	0	0	0
	5	0	0	0	0	0	0	0	0	0	0
	6	0	0	0	0	0	0	0	0	0	0
WEIGHT	1	0	0	0	0	0	0	0	0	0	0
PIPE	2	0	0	0	0	0	0	0	0	0	0
	3	0	0	0	0	0	0	0	0	0	0
	4	0	0	0	0	0	0	0	0	0	0
	5	0	0	0	0	0	0	0	0	0	0
DRILL	1	521	0	0	100	521	0	0	0	0	0
COLLARS	2	0	0	0	0	0	0	0	0	0	0
	3	0	0	0	0	0	0	0	0	0	0
	4	0	0	0	0	0	0	0	0	0	0
	5	0	0	0	0	0	0	0	0	0	0
TOTAL		1760	0	0	0	1760	0	0	0	0	0

BBL OIL=	20.16627	*	HRS OPEN	0.3	=	BBL/DAY	1613.3016
BBL WATER=	0	*			=		0
BBL MUD=	0						



TEST HISTORY

12668 DST#5 Uade Belle Unit #18-1 Imperial American Oil Corp.

Flag Points

t(Min.)	P(PSig)
A: 0.00	1729.44
B: 0.00	382.08
C: 11.50	728.11
D: 29.00	1137.91
E: 0.00	680.97
F: 9.00	777.12
G: 47.00	1136.47
H: 0.00	1723.57

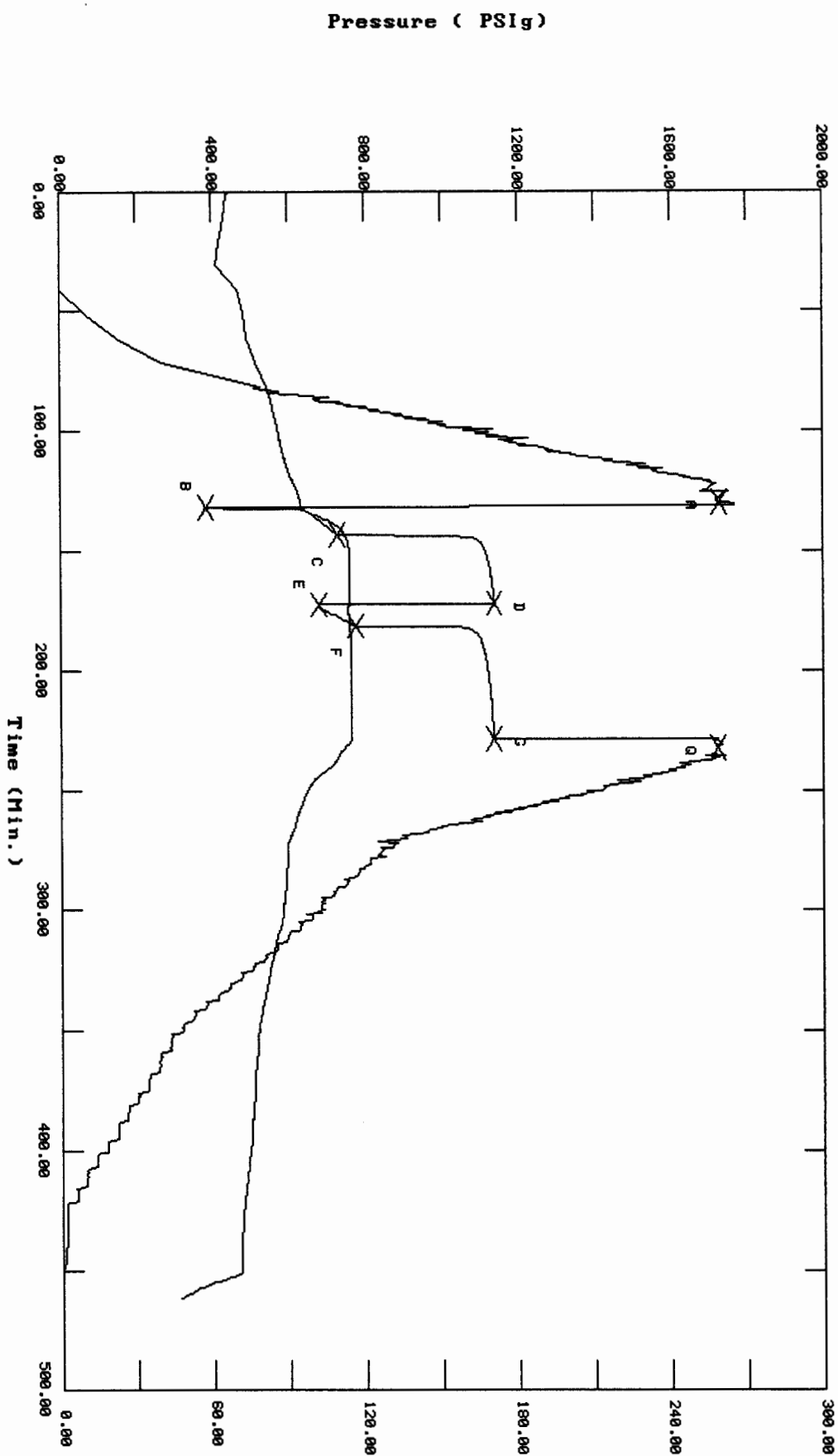
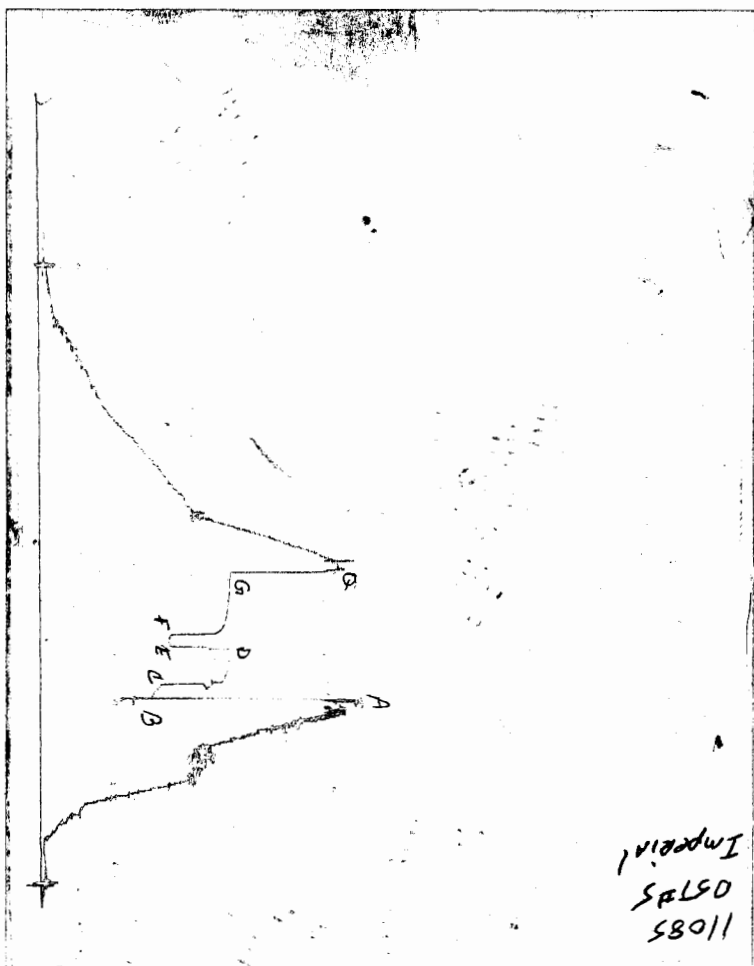


CHART PAGE



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

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

N^o 12668

Well Name & No.	<u>Vade Belle Unit #18-1</u>		Test No.	<u>5</u>	Date	<u>2-9-00</u>
Company	<u>Imperial American Oil Corp.</u>		Zone Tested	<u>Arbuckle</u>		
Address	<u>10004 W 20th ST. N. Wichita, KS 67212</u>		Elevation	<u>2004</u>	KB	<u>1999</u> GL
Co. Rep / Geo.	<u>Randy Killian</u>	Cont.	<u>Murfin 8</u>	Est. Ft. of Pay	<u>-</u>	Por. <u>-</u> %
Location: Sec.	<u>18</u>	Twp.	<u>11^s</u>	Rge.	<u>19^w</u>	Co. <u>ELLIS</u> State <u>Ks</u>
No. of Copies	<u>Reg</u>	Distribution Sheet (Y, N)	<u>N</u>	Turnkey (Y, N)	<u>N</u>	Evaluation (Y, N) <u>-</u>

Interval Tested	<u>3580 - 3590</u>	Initial Str Wt./Lbs.	<u>59000</u>	Unseated Str Wt./Lbs.	<u>64000</u>
Anchor Length	<u>10</u>	Wt. Set Lbs.	<u>20000</u>	Wt. Pulled Loose/Lbs.	<u>73000</u>
Top Packer Depth	<u>3578</u>	Tool Weight	<u>2000</u>		
Bottom Packer Depth	<u>3580</u>	Hole Size — 7 7/8"	<u>yes</u>	Rubber Size — 6 3/4"	<u>yes</u>
Total Depth	<u>3590</u>	Wt. Pipe Run	<u>-</u>	Drill Collar Run	<u>521</u>
Mud Wt. <u>9.3</u> LCM <u>1#</u> Vis. <u>50</u> WL <u>10</u>		Drill Pipe Size	<u>4 1/2 XH</u>	Ft. Run	<u>3053</u>
Blow Description	<u>IFP - Strong Blow throughout</u> <u>FFP - Strong Blow throughout</u> <u>HAD 'Blow Back' on SHUT-IN</u>				

Recovery — Total Feet	<u>1760</u>	GIP	<u>-</u>	Ft. in DC	<u>521</u>	Ft. in DP	<u>1239</u>
Rec.	<u>1760</u>	Feet Of	<u>CLEAN OIL</u>	%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.		Feet Of		%gas	%oil	%water	%mud
BHT	<u>114</u>	°F Gravity	<u>24</u>	°API D@	<u>50</u>	°F Corrected Gravity	<u>25</u>
RW	<u>-</u>	@	<u>-</u>	°F Chlorides	<u>-</u>	ppm Recovery	Chlorides <u>6000</u> ppm System

	AK-1	Alpine		
(A) Initial Hydrostatic Mud	<u>1777</u>	<u>1729</u>	PSI Recorder No.	<u>3027</u>
(B) First Initial Flow Pressure	<u>473</u>	<u>382</u>	PSI (depth)	<u>3582</u>
(C) First Final Flow Pressure	<u>691</u>	<u>728</u>	PSI Recorder No.	<u>11085</u>
(D) Initial Shut-In Pressure	<u>1126</u>	<u>1137</u>	PSI (depth)	<u>3587</u>
(E) Second Initial Flow Pressure	<u>745</u>	<u>680</u>	PSI Recorder No.	<u>-</u>
(F) Second Final Flow Pressure	<u>756</u>	<u>777</u>	PSI (depth)	<u>-</u>
(G) Final Shut-in Pressure	<u>1126</u>	<u>1136</u>	PSI Initial Opening	<u>10</u>
(Q) Final Hydrostatic Mud	<u>1766</u>	<u>1723</u>	PSI Initial Shut-in	<u>30</u>

T-On Location	<u>1640</u>
T-Started	<u>1653</u>
T-Open	<u>1905</u>
T-Pulled	<u>2040</u>
T-Out	<u>1234</u>
T-Off Location	<u>0130</u>
Test	☒
Jars	<u>-</u>
Safety Joint	<u>-</u>
Straddle	<u>-</u>
Circ. Sub	<u>-</u>
Sampler	<u>-</u>
Extra Packer	<u>-</u>
Elec. Rec.	☒
Mileage	<u>-</u>
Other	<u>-</u>

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Approved By _____

Our Representative Ray Schwager Thank you

TOTAL PRICE \$ ✓