

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

CONFIDENTIAL

API NO. 15- 033-21079-00-00
County COMANCHE COUNTY, KANSAS
S/2 SE SW Sec. 16 Twp. 32 Rge. 18 E W

Operator: License # 3869
Name: IMPERIAL OIL PROPERTIES, INC
Address 200 E. First ST. #413

City/State/Zip WICHITA, KS. 67202
Purchaser: KANSAS GAS SUPPLY

Operator Contact Person: JON T. WILLIAMS, JR.
Phone (316) 263-5596

Contractor: Name: VAL ENERGY
License: 5822

Wellsite Geologist: JON T. WILLIAMS, JR.

Designate Type of Completion
New Well Re-Entry Workover
 Oil SWD SLOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover: KANSAS CORPORATION COMMISSION

Operator:
Well Name: MAY 16 2000

Comp. Date Old Total Depth
CONSERVATION DIVISION
Deepening Re-perf. WICHITA to Inj/SWD
Plug Back PBT
Commingled Docket No.
Dual Completion Docket No.
Other (SWD or Inj?) Docket No.
3/31/00 4/11/00 4/12/00
Spud Date Date Reached TD Completion Date

330 Feet from S/N (circle one) Line of Section
1980 Feet from E/W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)

Lease Name BERGNER/ACRES Well # UNIT #1
Field Name NESCATUNGA

Producing Formation DRUM and PAWNEE
Elevation: Ground 2124 KB 2134
Total Depth 5252 PBDT 5166

Amount of Surface Pipe Set and Cemented at 697 Feet

Multiple Stage Cementing Collar Used? Yes X No

If yes, show depth set Feet

If Alternate II completion, cement circulated from

feet depth to w/ sx cmt.

Drilling Fluid Management Plan AH.1 5-23-00 uc
(Data must be collected from the Reserve Pit)

Chloride content 11,000 ppm Fluid volume 1040 bbls
Watering method used HAULED TO SWDW

Location of fluid disposal if hauled offsite:

Operator Name STAR RESOURCES

Lease Name CURRIER 2-9 License No. 32389

SW Quarter Sec. 20 Twp. 32 S Rng. 18 E/W

County COMANCHE Docket No. D-27668

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

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.

Signature: [Signature]
Title: GEOLOGIST AGENT Date: 5/16/00

Subscribed and sworn to before me this 16 day of May 2000

Notary Public: Patricia S. Armstrong

Date Commission Expires

PATRICIA S. ARMSTRONG
NOTARY PUBLIC
STATE OF KANSAS
MY APPT. EXPIRES 1-9-2004

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
Distribution
KCC SWD/Rep NGPA
KGS Plug Other (Specify)

Operator Name IMPERIAL OIL PROPERTIES, INC Lease Name BERGNER/ACRES Well # UNIT #1

Sec. 16 Twp. 32 Rge. 18

East
 West

County COMANCHE COUNTY, KANSAS

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem 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 during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken (Attach Additional Sheets.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	HEEBNER	4312	-2178
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	BROWN LIME	4486	-2352
List All E.Logs Run:		LANSING	4504	-2370
Dual Compensated Porosity		BASE K.C.	4909	-2775
Dual Induction		MARMATON	4967	-2833
Microresistivity		PAWNEE	5066	-2932
		CHEROKEE SHALE	5107	-2973
		MISSISSIPPI	5160	-3026

CASING RECORD

New 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
CONDUCTOR		20"					
SURFACE	12 1/4"	8 5/8"	23.4#	697'	A-Con Common	100	3% CC 2% CC
PRODUCTION	7 7/8"	5 1/2"	15.5#	5246'	EA-2 ST	200	5% GIL 10% salt

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				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4	5073 to 5084 (PAWNEE)	1500 gal 15% HCL	
4	4700 to 4708 (DRUM)	1500 gal 15% HCL	

TUBING RECORD	Size 2 3/8"	Set At 5069'	Packer At 4716'	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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Date of First, Resumed Production, SWD or Inj.	Producing Method <input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)
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Estimated Production Per 24 Hours	Oil Bbls. None	Gas Mcf 1.7 & 2.2	Water Bbls. None	Gas-Oil Ratio	Gravity
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Disposition of Gas: **METHOD OF COMPLETION** Production Interval 4700'-4708'
 Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled 5073'-5084'
 (If vented, submit ACO-18.) Other (Specify) _____

CONFIDENTIAL

ORIGINAL



FIELD ORDER

02426

INVOICE NO.	Subject to Correction		
Date 3-31-00	Lessee BERGNER/ACRES	Well # LAWY #1	Legal 16-325-18W
Customer ID	County COMMERCE	State KS.	Station Pratt, Ks.
CHARGE IMPERIAL OIL PROPERTIES, INC	Depth	Formation	Shoe Joint
	Casing 8 5/8	Casing Depth 700'	TD 700
	Job Type SURFACE - WELL	NEW WELL	
Customer Representative JON WILLIAMS	Treater HEVEN CHOPLEY		

AFE Number _____ PO Number _____ Materials Received by *J. Williams agent*

Product Code	QUANTITY	MATERIAL, EQUIPMENT and SERVICES USED	UNIT PRICE	AMOUNT	CORRECTION	ACCOUNTING AMOUNT
D101	100 SACS	COMMON CEMENT				
D200	160 SACS	'A-CON' CEMENT				
C310	641 LBS.	CALCIUM CHLORIDE		KOC		
C195	62 LBS	CELL FLUKE				
F143	1 EA.	8 5/8 WOOD PUG		157.6 2000		
F212	1 EA.	8 5/8 ALUM. BATTING PATE		CONFIDENTIAL		
F103	2 EA.	8 5/8 CENTRALIZER				
P113	1 EA.	8 5/8 BASKET				
F173	1 EA.	8 5/8 TEARS PAT. CHARGE SHEET				
				RECEIVED		
				KANSAS CORPORATION COMMISSION		
				MAY 16 2000		
				CONSERVATION DIVISION		
				WICHITA KS		
				RELEASED		
				MAY 29 2001		
E107	260 SACS	CEMENT SURFACE CHARGE		FROM CONFIDENTIAL		
E100	60 miles	UNITS 10000 MILES				
E104	735 TONS	TONS MILES				
R202	1 EA.	EA. 700' PUMP CHARGE				
ADD SERVICE BED PRICE =				5011.95		
PLUS TAX						

CONFIDENTIAL

KCC

KCC

MAY 16 2000

TREATMENT REPORT

05/15/2000



Customer ID	Date
Customer IMPERIAL OIL Prod. Div.	3-31-00
Lease BEACHER / ACRES	Lease No.
Well #	UNIT #1
Field Order # 02426	Station POMPA, KS
Casing 8 3/8	Depth 700
County HENNINGTON	State KS
Type Job SURFACE - NEW WELL	Formation
	Legal Description 16-32S-18W

PIPE DATA		PERFORATING DATA		FLUID USED	TREATMENT RESUME		
Casing Size 8" ID	Tubing Size	Shots/Ft		160 SLS. A-CON	RATE	PRESS	ISIP
Depth 700	Depth	From	To	3 1/4" CELLFLEX	Max		5 Min.
Volume	Volume	From	To	3% CC	Min		10 Min.
Max Press	Max Press	From	To	100 SLS. COMMON	Avg		15 Min.
Well Connection	Annulus Vol.	From	To	1/4" CELLFLEX	NHP Used		Annulus Pressure
Plug Depth	Packer Depth	From	To	2% CC	Gas Volume		Total Load

Customer Representative: JOHN WILSON Station Manager: DINE RUTAY Treas: HEVON CONLEY

Service Units	107	35	57	32	70
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Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
1800					ON LOCATION TD-700'
					RECEIVED KANSAS CORPORATION COMMISSION MAY 16 2000 CONSERVATION DIVISION WICHITA, KS RELEASED MAY 29 2001 FROM CONFIDENTIAL
2150	200		0	6	SET CASING AT 700' BRONN CASE W/ REG PUMP HOOK UP PUMP TRK TO CSC.
					START MIX COMPOST
					(160 SLS. 'A-CON' CEMENT 1/4" CELLFLEX 100 SLS. COMMON CEMENT 3% CC
	100		106	6	FINISH MIX COMPOST
					SHUT DOWN - RELEASE PLUG
	0		0	6	START DESP.
2230	400		41.6	1	PLUG DOWN
					SHUT DN COMPOST HORN ✓ CIRC 30 SLS CEMENT TO PET.
2330					JOB COMPLETE THANKS HEVON CONLEY



CONFIDENTIAL

ORIGINAL

JOB LOG

ORDER NO. 70006

REGION North America	NWA/COUNTRY M-I CONTINENT	BDA / STATE KS	COUNTY MUSKOGEE
MBU ID / EMP # 1001 T...	EMPLOYEE NAME John Woodrow	DEPARTMENT 700001 Production	
LOCATION LERRAL KS	COMPANY Imperial Oil Properties	CUSTOMER REP / PHONE L... Halliburton 913-291-1020	
TICKET AMOUNT 1000	WELL TYPE OI	API / UWI #	
WELL LOCATION ... KS	DEPARTMENT CEMENT	JOB PURPOSE CODE 0015	
LEASE / WELL # BERNER / ACRES UNIT #1	SEC / TWP / RNS 16-32S-18W		

CONFIDENTIAL

HES EMP NAME/EMP#/(EXPOSURE HOURS) :HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) :HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) :HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) :HRS
John Woodrow 1001 10			

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (psf)		JOB DESCRIPTION / REMARKS
				T	C	T _{bg}	C _{cg}	
	0900							JOB READY
	0900							Pump truck & BULK CMT ON LOCATION HAZARD PRE JOB SITE ASSESSMENT - SPOT EQUIPMENT RIG UP - RIG LAYING DOWN DRILL PIPE
	0800							D.P. LAYED DOWN
	0850							START RUNNING 5 1/2 CSG & FLT EQUIPMENT
	1130							CASING ON BOTTOM 5217'
	1155							Hook up 5 1/2" pipe & CIRCULATING TROD
	1200							START CIRCULATING WITH RIG PUMP - WORK PIPE WHILE CIRCULATING -
	1214					2000		THROUGH CIRCULATING - Hook up to pump truck TEST PUMP & LINES
	1214	3.0	5			1190		JOB PROCEDURE PUMP 5 BBL 28 RCL WATER
	1228	3.0	10			200		PUMP 10 BBL SUPER FLUSH
	1223	3.0	50			200		PUMP 5 BBL 28 RCL WATER
	1225	6.0	480			300		START MIXING 200 SCS CMT AT 15.2 TCM
	1236							THROUGH MIXING CEMENT - SHUT DOWN
	1239							WASH OUT PUMP & LINES - RELEASE PLUG
	1237	6.0				1100		START DISPLACING
	1254		95					190 Disp REACHED CMT 200/140 MAX LIFT PRESSURE BEFORE LANDING PLUG
	1300		125			1140		PLUG DOWN RELEASE FLT - FLT HELD RELEASED

RECEIVED
KANSAS CORPORATION COMMISSION

MAY 29 2001

MAY 16 2001

FROM CONFIDENTIAL FOR CARRIE HALLIBURTON

CONSERVATION DIVISION
WICHITA, KS

WOODY & CREW

CONFIDENTIAL

ORIGINAL

WELL NAME: Bergner/ Acres Unit #1
COMPANY: Imperial Oil Prop.
LOCATION: 16-32s-18w
Comanche co KS
DATE: 4/13/00

KCC

MAY 16 2000

CONFIDENTIAL

RELEASED

MAY 29 2001

FROM CONFIDENTIAL

RECEIVED
STATE CORPORATION COMMISSION

MAY 19 2000

CONSERVATION DIVISION
Wichita, Kansas

ORIGINAL

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Nº 12096

CONFIDENTIAL

Test Ticket

CONFIDENTIAL

Well Name & No. Bergner / Acres Unit #1 Test No. #1 Date 4/16/2000
 Company Imperial Oil Prop. 212 N. Market Zone Tested Douglas Sd.
 Address #573 Wichita, Ks 67201 Elevation 2134 KB 2124 GL
 Co. Rep / Geo. Jon T. Williams Cont. Val Energy #2 Est. Ft. of Pay Por. %
 Location: Sec. 16 Twp. 32S Rge. 18W Co. Comanche State Ks
 No. of Copies 5 Distribution Sheet (Y, N) - Turnkey (Y, N) - Evaluation (Y, N) -

Interval Tested 4332' - 4390' Initial Str Wt./Lbs. 86000 Unseated Str Wt./Lbs. 92000
 Anchor Length 58' Wt. Set Lbs. 22000 Wt. Pulled Loose/Lbs. 62000
 Top Packer Depth 4327' Tool Weight 2100
 Bottom Packer Depth 4332' Hole Size — 7 7/8" ✓ Rubber Size — 6 3/4" ✓
 Total Depth 4390 Wt. Pipe Run N/A Drill Collar Run 612.56
 Mud Wt. 9.0 LCM TR Vis. 4B WL 14.8 Drill Pipe Size 4 1/2 XH Ft. Run 3750.44
 Blow Description TF Packer Failure. Pull Tool
ISL!
FF!
FST!

Recovery — Total Feet 1100 GIP Ft. in DC 612 Ft. in DP 488'
 Rec. 1100 Feet Of Drilling Mud %gas %oil %water %mud
 Rec. Feet Of RELEASED %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 103° °F Gravity °API °F Corrected Gravity °API
 RW @ °F Chlorides ppm Recovery Chlorides 5800 ppm System

	AK-1	Alpine	PSI Recorder No.	T-On Location
(A) Initial Hydrostatic Mud			<u>2350</u>	<u>20.90</u>
(B) First Initial Flow Pressure			(depth) <u>4338'</u>	T-Started <u>20180</u>
(C) First Final Flow Pressure			PSI Recorder No. <u>10991</u>	T-Open <u>0005</u>
(D) Initial Shut-In Pressure			PSI (depth) <u>4387'</u>	T-Pulled <u>0030</u>
(E) Second Initial Flow Pressure			PSI Recorder No. <u> </u>	T-Out <u>0300</u>
(F) Second Final Flow Pressure			PSI (depth) <u> </u>	T-Off Location <u>0400</u>
(G) Final Shut-in Pressure			PSI Initial Opening <u>3 min</u>	Test <u>✓</u>
(Q) Final Hydrostatic Mud			PSI Initial Shut-in <u> </u>	Jars <u>✓</u>
			Final Flow <u> </u>	Safety Joint <u>✓</u>
			Final Shut-in <u> </u>	Straddle <u> </u>
				Circ. Sub <u> </u>
				Sampler <u> </u>
				Extra Packer <u> </u>
				Elec. Rec. <u> </u>
				Mileage <u> </u>
				Other <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 [Signature]
 Our Representative [Signature]

stored by
 from Isr
 a Hemp to DST

RECEIVED
 MAY 19 2000
 TOTAL PRICE

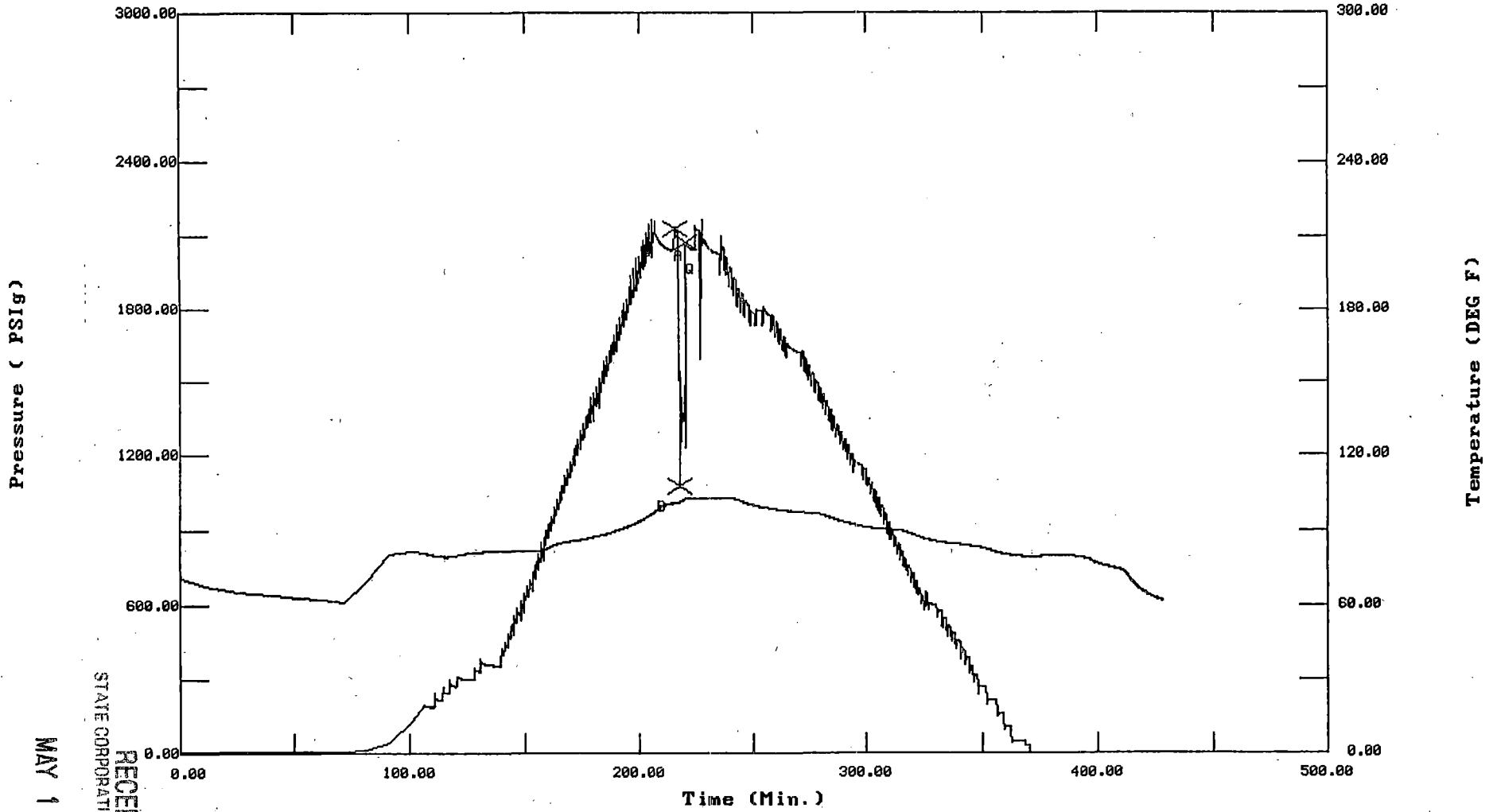
TEST HISTORY

Tk#12096 DST#1 Bergner Acres Unit #1 Imperial Oil, Prop

Flag Points

t (Min.) P (PSig)

A: 0.00 2127.98
B: 0.00 1074.44
Q: 0.00 2075.19



Pressure (PSig)

Temperature (DEG F)

Time (Min.)

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STATE CORPORATION COMMISSION

MAY 19 2000

CONSERVATION DIVISION
WICHITA, KANSAS

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

No 12097

Test Ticket

Well Name & No. Bergner / Acres Unit #1 Test No. #2 Date 4/8/2000
 Company Imperial Oil Prop. 212 W. Market Zone Tested (Swope)
 Address #513 Wichita, Ks 67201 Elevation 2134 KB 2124 GL
 Co. Rep / Geo. Jon T. Williams Cont. Val Energy #2 Est. Ft. of Pay Por. %
 Location: Sec. 16 Twp. 32^s Rge. 18^w Co. Comanche State Ks
 No. of Copies 5 Distribution Sheet (Y, N) Turnkey (Y, N) Evaluation (Y, N)

Interval Tested 4796' - 4825' Initial Str Wt./Lbs. 89000 Unseated Str Wt./Lbs. 89000
 Anchor Length 29' Wt. Set Lbs. 20000 Wt. Pulled Loose/Lbs. 25000
 Top Packer Depth 4791' Tool Weight 2100
 Bottom Packer Depth 4796' Hole Size — 7 7/8" Rubber Size — 6 3/4"
 Total Depth 4825' Wt. Pipe Run N/A Drill Collar Run 612.56
 Mud Wt. 9.1 LCM 2nd Vis. 47 WL 8.8 Drill Pipe Size 4 1/2 x H Ft. Run 4183.74

Blow Description FF: strong blow b.o. in 20 sec. BTS in 6 mins. Gauge bad.
ISL: Blud down for 90 mins test would not die off.
FF: Gauge bad.
EST: Blud down for 10 mins build back to 1/2" in 120 bucket.

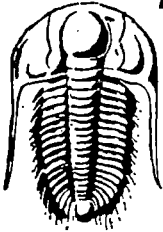
Recovery — Total Feet 180' GIP 4616' Ft. in DC 180' Ft. in DP
 Rec. 180' Feet Of SOCM %gas 8 %oil %water Trace %mud 92
 Rec. 4616' Feet Of Gas In pipe %gas %oil %water %mud
 Rec. Feet Of %gas %oil %water %mud
 Rec. Feet Of %gas %oil %water %mud
 Rec. Feet Of %gas %oil %water %mud
 BHT 115" °F Gravity °API D@ °F Corrected Gravity °API
 RW @ °F Chlorides ppm Recovery Chlorides 9000 ppm System

	AK-1	Alpine	PSI	Recorder No.	T-On Location
(A) Initial Hydrostatic Mud	2345	2350		2350	0700
(B) First Initial Flow Pressure	32	54		(depth) 4802'	T-Started 0800
(C) First Final Flow Pressure	43	77		Recorder No. 10991	T-Open 1115
(D) Initial Shut-In Pressure	1087	1123		(depth) 4822'	T-Pulled 1545
(E) Second Initial Flow Pressure	43	74		Recorder No. <u> </u>	T-Out 1800
(F) Second Final Flow Pressure	53	79		(depth) <u> </u>	T-Off Location 1920
(G) Final Shut-in Pressure	1534	1574		Initial Opening 30	Test <input checked="" type="checkbox"/>
(Q) Final Hydrostatic Mud	2366	2416		Initial Shut-in 90	Jars <input checked="" type="checkbox"/>
				Final Flow 60	Safety Joint <input checked="" type="checkbox"/>
				Final Shut-in 90	Straddle <u> </u>

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Approved By Jon T. Williams, Jr.
 Our Representative Daron Lomberg

RECEIVED
 STATE CORPORATION COMMISSION
 Other
 TOTAL PRICE \$ 2000



TRILOBITE TESTING

P.O. Box 362 • Hays, Kansas 67601 • (913) 625-4778

GAS VOLUME REPORT

Imperial Oil Prop.
OPERATOR

Bergner Acres Unit #1
WELL NAME AND NO. *Swope*

#2
DST NO.

GTS in 6 min on IF:

Min.	Ins. of Water PSIG	Orifice Size	MCF/D	Min.	Ins. of Water PSIG	Orifice Size	MCF/D
11	40"	3/4	89,000	5	2.5	3/4	121,000
16	2.5#	3/4	121,000	10	2#	3/4	108,000
21	2.5#	3/4	121,000	15	2#	3/4	108,000
26	2.5#	3/4	121,000	20	2#	3/4	108,000
30	2.5#	3/4	121,000	25	2#	3/4	108,000
				30	50"	3/4	100,000
				35	48"	3/4	98,400
				40	46"	3/4	96,300
				45	46"	3/4	96,300
				50	46"	3/4	96,300
				55	46"	3/4	96,300
				60	46"	3/4	96,300

RECEIVED
STATE CORPORATION COMMISSION

Remarks:

MAY 19 2000

TEST HISTORY

Tk#12097 DST#2 Bergner Acres Unit #1 Imperial Oil Prop.

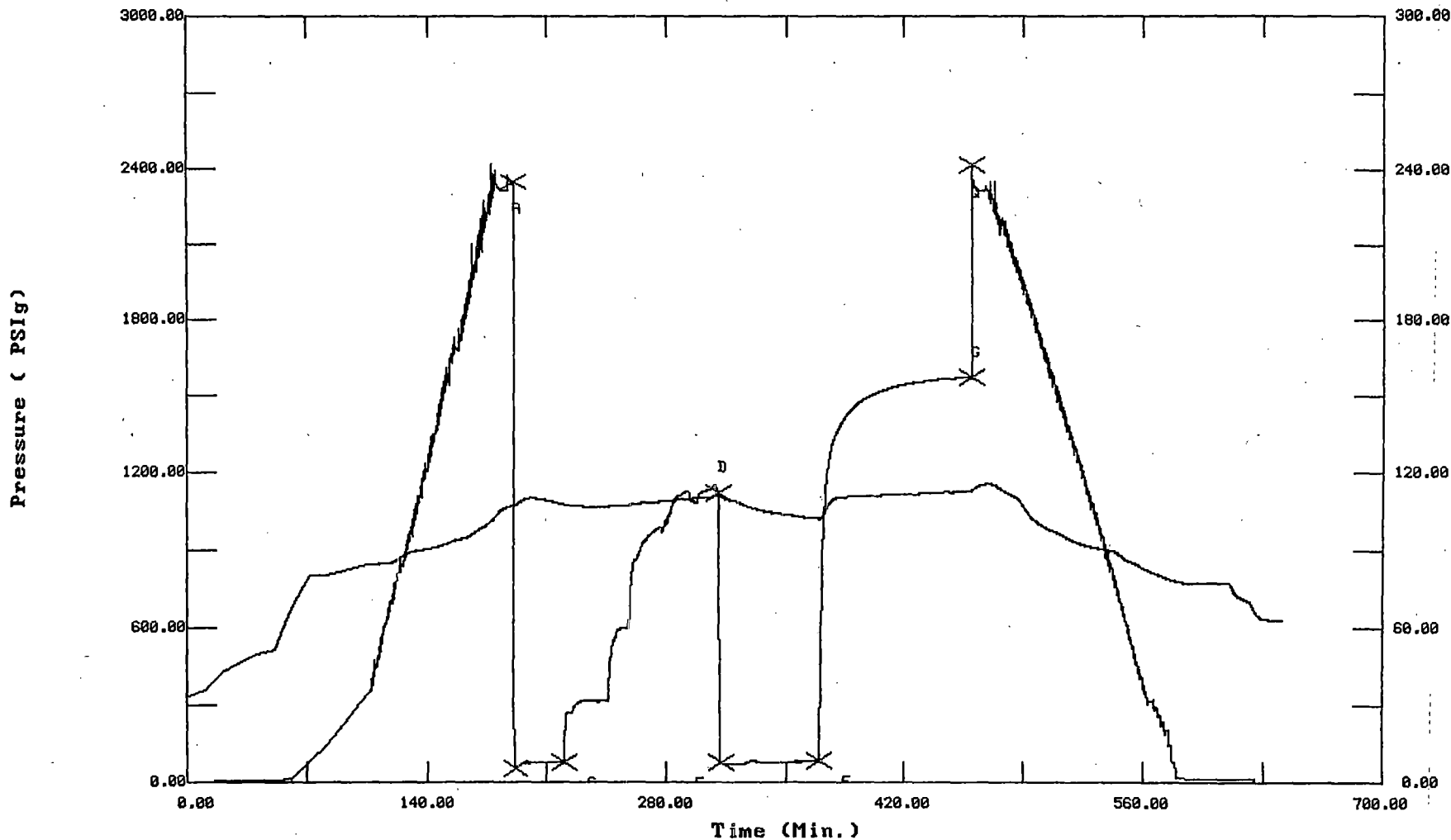
Flag Points
t (Min.) P (PSig)

R:	0.00	2349.72
B:	0.00	53.79
C:	28.83	77.29
D:	90.00	1122.95
E:	0.00	73.68
F:	57.83	79.47
G:	89.50	1573.72
Q:	0.00	2416.36

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MAY 19 2000

CONSERVATION DIVISION
Wichita, Kansas



TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

N^o 12098

Test Ticket

Well Name & No. Bergner / Acres Unit #1 Test No. #3 Date 04/09/2000
 Company Imperial Oil, Prop 212 N. Market Zone Tested Altamont
 Address #513 Wichita, KS 67201 Elevation 2134 KB 2124 GL
 Co. Rep / Geo. Jon T. Williams Cont. Val Energy #2 Est. Ft. of Pay Por. %
 Location: Sec. 16 Twp. 32S Rgs. 18W Co. Comanche State KS
 No. of Copies 5 Distribution Sheet (Y, N) Turnkey (Y, N) Evaluation (Y, N)

Interval Tested 5000' - 5034' Initial Str Wt./Lbs. 91,000 Unseated Str Wt./Lbs. 95,000
 Anchor Length 34' Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 100,000
 Top Packer Depth 4995' Tool Weight 2100
 Bottom Packer Depth 5000' Hole Size - 7 7/8" Rubber Size - 6 3/4"
 Total Depth 5034' Wt. Pipe Run N/A Drill Collar Run 642.56
 Mud Wt. 9.2 LCM 2# Vis. 45+ WL 9.6 Drill Pipe Size 4 1/2 KH Ft. Run 4363.44

Blow Description FF: Strong blow h.o.b in 20 sec. GTS in 3 mins. Gauge 60.
1ST: Bled down for 10 mins built back to 1/2" in H2O bucket
FF: Strong blow h.o.b in 15 sec. Gauge 60.
1ST: Bled down for 10 mins. built back to 6" in H2O bucket

Recovery - Total Feet	GIP	Ft. in DC	Ft. in DP
<u>120'</u>	<u>4546'</u>	<u>430'</u>	<u> </u>
Rec. <u>120'</u> Feet Of <u>5600M</u>	<u>10% gas</u>	<u>5% oil</u>	<u>85% mud</u>
Rec. <u>310'</u> Feet Of <u>H600CM</u>	<u>30% gas</u>	<u>20% oil</u>	<u>50% mud</u>
Rec. <u>4546'</u> Feet Of <u>Gas in pipe</u>	<u> </u>	<u> </u>	<u> </u>
Rec. <u> </u> Feet Of <u> </u>	<u> </u>	<u> </u>	<u> </u>
Rec. <u> </u> Feet Of <u> </u>	<u> </u>	<u> </u>	<u> </u>

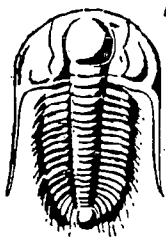
BHT 124° °F Gravity °API D@ °F Corrected Gravity °API
 RW @ °F Chlorides ppm Recovery Chlorides 13000 ppm System

	AK-1	Alpine	PSI Recorder No.	T-On Location
(A) Initial Hydrostatic Mud	<u>2481</u>	<u>2468</u>	<u>2350</u>	<u>1730</u>
(B) First Initial Flow Pressure	<u>85</u>	<u>94</u>	(depth) <u>5006'</u>	T-Started <u>1802</u>
(C) First Final Flow Pressure	<u>106</u>	<u>131</u>	PSI Recorder No. <u>10991</u>	T-Open <u>2040</u>
(D) Initial Shut-in Pressure	<u>1544</u>	<u>1578</u>	PSI (depth) <u>5031'</u>	T-Pulled <u>0040</u>
(E) Second Initial Flow Pressure	<u>564</u>	<u>565</u>	PSI Recorder No. <u> </u>	T-Out <u>0330</u>
(F) Second Final Flow Pressure	<u>468</u>	<u>536</u>	PSI (depth) <u> </u>	T-Off Location <u>0415</u>
(G) Final Shut-in Pressure	<u>1534</u>	<u>1564</u>	PSI Initial Opening <u>30</u>	Test <u> </u>
(Q) Final Hydrostatic Mud	<u>2450</u>	<u>2397</u>	PSI Initial Shut-in <u>60</u>	Jars <u> </u>
			Final Flow <u>60</u>	Safety Joint <u> </u>
			Final Shut-in <u>90</u>	Straddle <u> </u>
				Circ. Sub <u> </u>
				Sampler <u> </u>
				Extra Packer <u> </u>
				Elec. Rec. <u>RECEIVED</u>
				Mileage <u> </u>
				Other <u> </u>
				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 Jon T. Williams
 Our Representative Darren J. Merrill

STATE CORPORATION COMMISSION
 MAY 19 2000
 TOTAL PRICE



TRILOBITE TESTING

P.O. Box 362 • Hays, Kansas 67601 • (913) 625-4778

GAS VOLUME REPORT

Imperial Oil Prop.
OPERATOR

Belger / Acres Unit #1
WELL NAME AND NO.

#3
DST NO.

Altamont

GTS in 3 mins

Final Flow

Min.	Ins. of Water (PSIG)	Orifice Size	MCF/D	Min.	Ins. of Water (PSIG)	Orifice Size	MCF/D
8	15#	1/2"	147,000	5	15#	3/8	83,200
13	15#	1/2	147,000	10	6.5#	1/4	23,900
18	13#	1/2	134,000	15	6#	1/4	22,900
23	15#	3/8	83,200	20	5.5#	1/4	21,800
28	15#	3/8	83,200	25	4.5#	1/4	19,500
				30	4.5#	1/4	19,500
				35	4.5#	1/4	19,500
				40	4#	1/4	18,500
				45	3.5#	1/4	17,100
				50	4#	1/4	18,500
				55	5#	1/4	20,700
				60	5#	1/4	20,700

Remarks:

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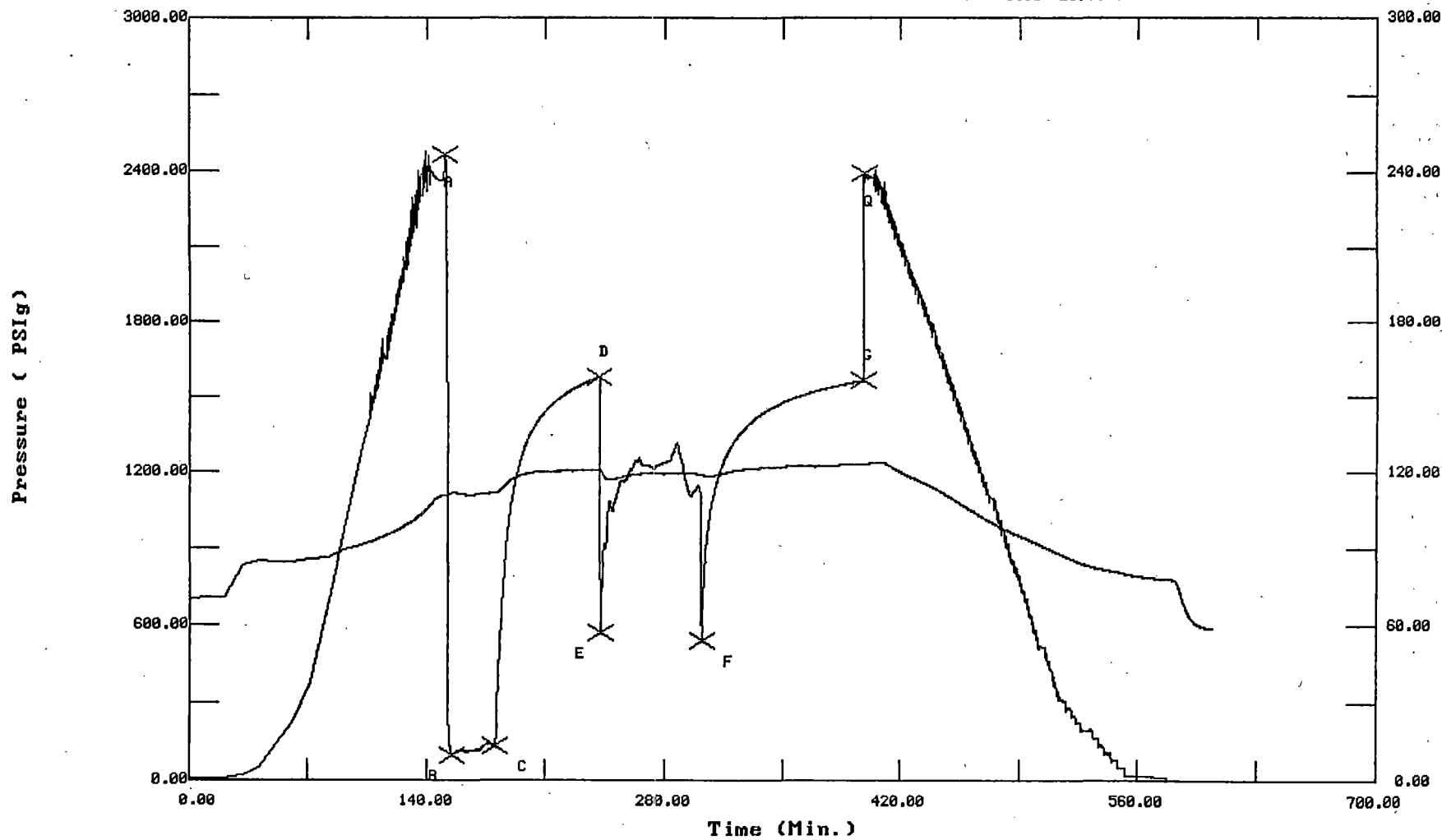
MAY 19 2000

TEST HISTORY

Tk#12898 DST#3 Bergner Acres Unit#1 Imperial Oil Properties

Flag Points
t (Min.) P (PSig)

A:	0.00	2467.89
B:	0.00	93.82
C:	25.67	131.09
D:	60.83	1578.17
E:	0.00	565.41
F:	59.17	536.37
G:	95.17	1563.99
Q:	0.00	2397.31



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Temperature (DEG F)

MAY 19 2000

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

No 12099

Test Ticket

Well Name & No. <u>Bergner/Aeres Unit #1</u>		Test No. <u>#4</u>	Date <u>04/10/2000</u>
Company <u>Imperial Oil Prop 212 N. Marke #513</u>		Zone Tested <u>Pawnee</u>	
Address <u>Wichita, Ks 67201</u>		Elevation <u>2134</u>	KB <u>2124</u> GL
Co. Rep / Geo. <u>Jon T. Williams</u>		Cont. <u>Val Energy #1</u>	Est. Ft. of Pay <u> </u> Por. <u> </u> %
Location: Sec. <u>16</u>	Twp. <u>32^s</u>	Rge. <u>18^w</u>	Co. <u>033</u> State <u>Ks</u>
No. of Copies <u>5</u>	Distribution Sheet (Y, N) <u> </u>	Turnkey (Y, N) <u> </u>	Evaluation (Y, N) <u> </u>

Interval Tested <u>5056' - 5092'</u>	Initial Str Wt./Lbs. <u>98,000</u>	Unseated Str Wt./Lbs. <u>98,000</u>
Anchor Length <u>36'</u>	Wt. Set Lbs. <u>20,000</u>	Wt. Pulled Loose/Lbs. <u>110,000</u>
Top Packer Depth <u>5051'</u>	Tool Weight <u>2100</u>	
Bottom Packer Depth <u>5056'</u>	Hole Size — <u>7 7/8"</u> ✓	Rubber Size — <u>6 3/4"</u> ✓
Total Depth <u>5092'</u>	Wt. Pipe Run <u>N/A</u>	Drill Collar Run <u>612.56</u>
Mud Wt. <u>8.9</u> LCM <u>2nd</u> Vis. <u>80</u> WL <u>8.8</u>	Drill Pipe Size <u>4 1/2 x H</u>	Ft. Run <u>4427.44</u>
Blow Description <u>IF: Strong blow b.o. bin 10 sec. 6TS in 3 mins Gauge 60</u>		
<u>IST: Bled down for 10 mins Weak surface flow back</u>		
<u>FF: Strong blow b.o. bin 10 sec. Gauge 0</u>		
<u>EST Bled down for 10 mins.</u>		

Recovery — Total Feet <u>307'</u>	GIP <u>4733'</u>	Ft. in DC <u>307'</u>	Ft. in DP <u> </u>
Rec. <u>307'</u> Feet Of <u>5CM</u>	<u>15%</u> gas	<u> </u> oil	<u> </u> water <u>85%</u> mud
Rec. <u>4733'</u> Feet Of <u>Gas In Pipe</u>	<u> </u> gas	<u> </u> oil	<u> </u> water <u> </u> mud
Rec. <u> </u> Feet Of <u> </u>	<u> </u> gas	<u> </u> oil	<u> </u> water <u> </u> mud
Rec. <u> </u> Feet Of <u> </u>	<u> </u> gas	<u> </u> oil	<u> </u> water <u> </u> mud
Rec. <u> </u> Feet Of <u> </u>	<u> </u> gas	<u> </u> oil	<u> </u> water <u> </u> mud
BHT <u>111°</u>	°F Gravity <u> </u>	*API D@ <u> </u>	*F Corrected Gravity <u> </u> *API <u> </u>
RW <u> </u> @ <u> </u>	°F Chlorides <u> </u>	ppm Recovery <u> </u>	Chlorides <u>10,500</u> ppm System

	AK-1	Alpine				
(A) Initial Hydrostatic Mud	<u>2513</u>	<u>2540</u>	PSI	Recorder No. <u>2350</u>	T-On Location <u>1415</u>	
(B) First Initial Flow Pressure	<u>138</u>	<u>141</u>	PSI	(depth) <u>5062</u>	T-Started <u>1439</u>	
(C) First Final Flow Pressure	<u>170</u>	<u>209</u>	PSI	Recorder No. <u>10991</u>	T-Open <u>1740</u>	
(D) Initial Shut-in Pressure	<u>1639</u>	<u>1658</u>	PSI	(depth) <u>5089'</u>	T-Pulled <u>2125</u>	
(E) Second Initial Flow Pressure	<u>149</u>	<u>152</u>	PSI	Recorder No. <u> </u>	T-Out <u>0015</u>	
(F) Second Final Flow Pressure	<u>149</u>	<u>173</u>	PSI	(depth) <u> </u>	T-Off Location <u>0200</u>	
(G) Final Shut-in Pressure	<u>1639</u>	<u>1652</u>	PSI	Initial Opening <u>30</u>	Test <u> </u> ✓	
(Q) Final Hydrostatic Mud	<u>2481</u>	<u>2474</u>	PSI	Initial Shut-in <u>60</u>	Jars <u> </u> ✓	
				Final Flow <u>45</u>	Safety Joint <u> </u> ✓	
				Final Shut-in <u>90</u>	Straddle <u> </u>	

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Approved By [Signature]
 Our Representative Darren [Signature]

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Other 12 hr. Wait on D's
 TOTAL PRICE \$

MAY 19 2000

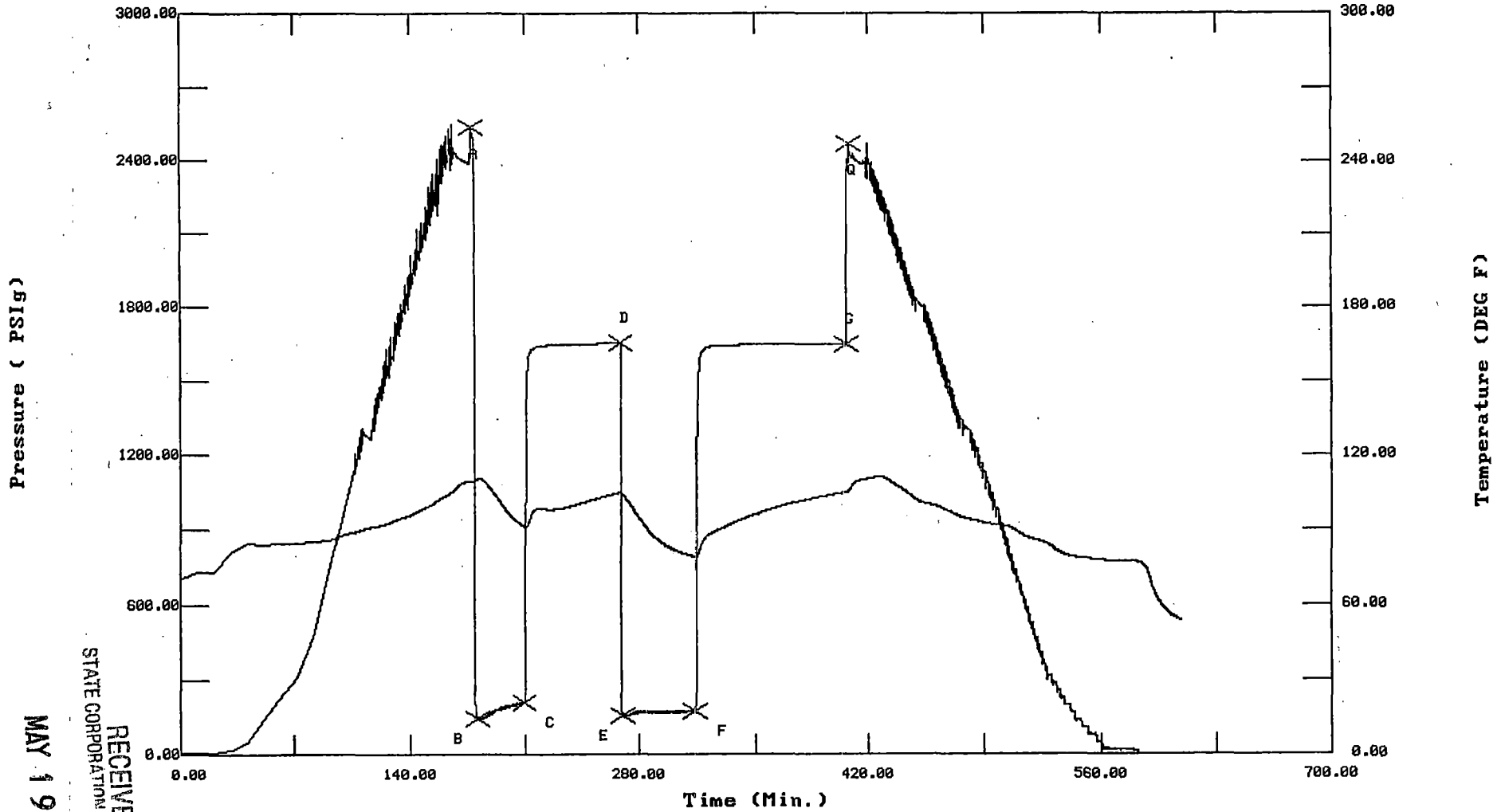
TEST HISTORY

Tk#12099 DST#4 Bergner/Acres Unit#1 Imperial Oil Prop.

Flag Points

t(Min.) P(PSIg)

A:	0.00	2539.65
B:	0.00	141.24
C:	28.83	208.89
D:	59.50	1657.86
E:	0.00	152.24
F:	43.67	173.85
G:	92.17	1651.77
Q:	0.00	2473.76



Pressure (PSIg)

Temperature (DEG F)

Time (Min.)

CONSERVATION DIVISION
MARTHA KARRISS

MAY 19 2000

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