

ORIGINAL

SIDE ONE

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

Operator: License # 4243

Name: CROSS BAR PETROLEUM, INC.

Address P.O. BOX 20080

City/State/Zip WICHITA, KANSAS 67208

Purchaser: TEXACO

Operator Contact Person: ALBERT BRENSING

Phone (316) 799-2933

Contractor: Name: EAGLE DRILLING, INC.

License: 5380

Wellsite Geologist: ALBERT BRENSING

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD

Gas Inj Temp. Abd.

Dry Other (Core, Water Supply, etc.)

If **OWNO**: old well info as follows:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Drilling Method:

Mud Rotary Air Rotary Cable

11-7-90 11-17-90 12-5-90

Spud Date Date Reached TD Completion Date

API NO. 15- 097-21,297-400-06

County KIOWA

200' N NW SW Sec. 22 Twp. 28S Rge. 20 East West

2180 Ft. North from Southeast Corner of Section

4620 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

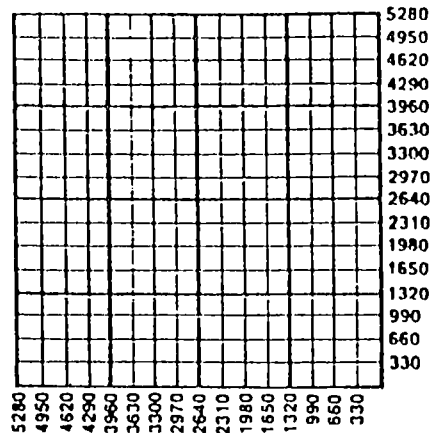
Lease Name ALDRICH Well # ONE

Field Name WILDCAT

Producing Formation MISSISSIPPIAN

Elevation: Ground 2298 KB 2311

Total Depth 5600 PBDT 5600



Amount of Surface Pipe Set and Cemented at 465 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

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 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 drillers time log 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. Any recompletion, workover or conversion of a well requires filing of ACO-2 within 120 days from commencement date of such work.

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 Albert B

Title PRESIDENT Date 3-1-91

Subscribed and sworn to before me this 2ND day of MARCH, 19 91.

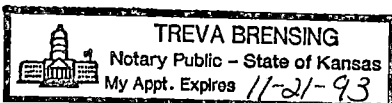
Notary Public Treva Brensing

Date Commission Expires 11-21-93

K.C.C. OFFICE USE ONLY

F Letter of Confidentiality Attached
C Wireline Log Received
C Drillers Timelog Received

Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other
(Specify)



SIDE TWO

Operator Name CROSS BAR PETROLEUM, INC. Lease Name ALDRICH Well # ONE
 Sec. 22 Twp. 28S Rge. 20 East West
 County KIOWA

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 Yes No
 (Attach Additional Sheets.)
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No
 Electric Log Run Yes No
 (Submit Copy.)

Formation Description		
Name	Top	Bottom
ANHYDRITE	+1071	
HEEBNER	-1814	
LANSING	-1983	
MISSISSIPPI	-2594	
ARBUCKLE	-3235	

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
SURFACE	12 1/4"	8 5/8"	28 LB	465	LIGHT	150	3%CC
PRODUCTION	7 7/8"	5 1/2"	14-15.5	5565	STND, POZ	100	3%CC, 2%GEL
					STND, LGT	150	3%CC, 2%GEL
					POZ	100	2% GEL

PERFORATION RECORD		Acid, Fracture, Shot, Cement Squeeze Record	
Shots Per Foot	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used)	Depth
4SPF	5314-18	500 GAL DSFE ACID	SAME
	"	NON-COMMERCIAL SET W/LINE PLG	5280'
4SPF	4923-26	500 GAL DSFE ACID	SAME
	"	1500 GAL SWIC ACID	SAME
4SPF	4584-86	250 GAL DSFE ACID	SAME
		NON-COM SQZ PERFS 50SX STND	4584-86

TUBING RECORD Size 2 3/8" Set At 4966' Packer At _____
 Liner Run Yes No

Date of First Production JAN 1991 Producing Method Flowing Pumping Gas Lift Other (Explain) _____
 Estimated Production Per 24 Hours Oil 25 Bbls. Gas 10 Mcf Water 60 Bbls. Gas-Oil Ratio _____ Gravity 35

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.)
 METHOD OF COMPLETION: Open Hole Perforation Dually Completed Commingled
 Other (Specify) _____
 Production Interval 4923-26



REMIT TO:
 P.O. BOX 951946
 DALLAS, TX 75395-1046

INVOICE

INVOICE NO.	DATE
040914	11/07/1990

A Halliburton Company

WELL LEASE NO./PLANT NAME		WELL/PLANT LOCATION		STATE	WELL/PLANT OWNER	
AIDRICH 1		KJOWA		KS	SAME	
SERVICE LOCATION		CONTRACTOR	JOB PURPOSE		TICKET DATE	
PRATT		EAGLE DRUG	CEMENT SURFACE CASING		11/07/1990	
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.	
202259	K O STEINERT			COMPANY TRUCK	04949	

CROSS BAR PETROLEUM INC
 P O BOX 20080
 WICHITA, KS 67208

RECEIVED
 STATE CORPORATION COMMISSION

MAR 19 1991

DIRECT CORRESPONDENCE TO:
 SUITE 1300
 LIBERTY TOWER
 100 BROADWAY AVENUE
 OKLAHOMA CITY, OK 73102-0000

CONSERVATION DIVISION

PRICE REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
PRICING AREA 000-117	A - MID CONTINENT MILEAGE	38	MI	2.35	89.30
000-118	MILEAGE SURCHARGE-CEMENT-LAND	38	MI	.40	15.20
001-016	CEMENTING CASING	463	FT	480.00	460.00
030-503	CMTG PLUG LA-11, CP-1, CP-3, TOP	1	UNT		
597	HAFFLE PLATE - 8 5/8"	1	EA	39.00	39.00
825.1269					
504-316	HALLIBURTON LIGHT W/STANDARD	150	SK	5.64	846.00
504-308	STANDARD CEMENT	60	SK	5.35	321.00
506-105	POZMIX A	40	SK	2.79	111.60
506-121	HALLIBURTON-GEL 2%	2	SK	.00	N/C
509-406	ANHYDROUS CALCIUM CHLORIDE	6	SK	25.75	154.50
500-307	MILEAGE SURCHARGE-CEMENT MAT.	438.56	TMI	.10	43.86
500-207	BULK SERVICE CHARGE	262	CFP	1.10	288.20
500-306	MILEAGE CMTG MAT DEL OR RETURN	438.56	TMI	.75	328.92
INVOICE SUBTOTAL					2,776.58
DISCOUNT-(BID)					641.58
INVOICE BID AMOUNT					2,135.00
* - KANSAS STATE SALES TAX					68.27
* - PRATT COUNTY SALES TAX					16.08
INVOICE TOTAL - PLEASE PAY THIS AMOUNT					\$2,219.35

TERMS INVOICES PAYABLE NET BY THE 20TH OF THE FOLLOWING MONTH AFTER DATE OF INVOICE. UPON CUSTOMER'S DEFAULT IN PAYMENT OF CUSTOMER'S ACCOUNT BY THE LAST DAY OF THE MONTH FOLLOWING THE MONTH IN WHICH THE INVOICE IS DATED, CUSTOMER AGREES TO PAY INTEREST THEREON AFTER DEFAULT AT THE HIGHEST LAWFUL CONTRACT RATE APPLICABLE BUT NEVER TO EXCEED 18% PER ANNUM. IN THE EVENT IT BECOMES NECESSARY TO EMPLOY AN ATTORNEY TO ENFORCE COLLECTION OF SAID ACCOUNT, CUSTOMER AGREES TO PAY ALL COLLECTION COSTS AND ATTORNEY FEES IN THE AMOUNT OF 20% OF THE AMOUNT OF THE UNPAID ACCOUNT.



INVOICE

A Halliburton Company

INVOICE NO.	DATE
040897	11/17/1990

WELL LEASE NO./PLANT NAME		WELL/PLANT LOCATION		STATE	WELL/PLANT OWNER	
ALDRICH 1		KIOWA		KS	SAME	
SERVICE LOCATION		CONTRACTOR		JOB PURPOSE		TICKET DATE
PRATT		EAGLE DRUG		CEMENT PRODUCTION CASING		11/17/1990
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.	
202259	ROBERT MOOREHEAD			COMPANY TRUCK	05507	

RECEIVED
STATE COMMISSION

CROSS BAR PETROLEUM INC
P O BOX 20080
WICHITA, KS 67208

MAR 10 10 01

DIRECT CORRESPONDENCE TO:
SUITE 1300
LIBERTY TOWER
100 BROADWAY AVENUE
OKLAHOMA CITY, OK 73102-0000

Wichita, Kansas

PRICE REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
000-117	MILEAGE	38	MI	2.35	89.30
000-118	MILEAGE SURCHARGE-CEMENT-LAND	38	MI	.40	15.20
001-016	CEMENTING CASING	5565	FT	1,400.00	1,400.00
030-018	CEMENTING PLUG 5W, PLASTIC TOP	5.5	IN	53.00	53.00
12A	GUIDE SHOE - 5 1/2" 8RD THD.	1	EA	104.00	104.00
825.205					
24A	INSERT FLOAT VALVE - 5 1/2" 8RD	1	EA	83.00	83.00
815.19251					
40	CENTRALIZER 5-1/2" MODEL S-4	0	EA	44.00	352.00
807.93022					
320	CEMENT BASKET 5 1/2"	2	EA	90.00	180.00
800.8883					
27	FILL-UP UNIT 5 1/2"-6 5/8"	1	EA	30.00	30.00
815.19311					
018-317	SUPER FLUSH	7	SK	74.00	518.00
350	HALLIBURTON WELD-A	1	LB	11.00	11.00
890.10802					
504-316	HALLIBURTON LIGHT W/STANDARD	50	SK	5.64	282.00
504-308	STANDARD CEMENT	100	SK	5.35	535.00
506-105	POZMIX A	100	SK	2.79	279.00
506-121	HALLIBURTON-GEL 2%	3	SK	.00	N/C
509-968	SALT	1000	LB	.10	100.00
509-968	SALT	100	LB	.10	10.00
508-292	GILSONITE, SACRED	1000	LB	.42	420.00
507-153	CFR-3	101	LB	3.90	393.90
500-307	MILEAGE SURCHARGE-CEMENT MAT.	454.99	TMI	.10	45.50
500-207	BULK SERVICE CHARGE	286	CFT	1.10	314.60
500-306	MILEAGE CMTG MAT DEL OR RETURN	454.99	TMI	.75	341.24

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TERMS INVOICES PAYABLE NET BY THE 20TH OF THE FOLLOWING MONTH AFTER DATE OF INVOICE. UPON CUSTOMER'S DEFAULT IN PAYMENT OF CUSTOMER'S ACCOUNT BY THE LAST DAY OF THE MONTH FOLLOWING THE MONTH IN WHICH THE INVOICE IS DATED, CUSTOMER AGREES TO PAY INTEREST THEREON AFTER DEFAULT AT THE HIGHEST LAWFUL CONTRACT RATE APPLICABLE BUT NEVER TO EXCEED 18% PER ANNUM. IN THE EVENT IT BECOMES NECESSARY TO EMPLOY AN ATTORNEY TO ENFORCE COLLECTION OF SAID ACCOUNT, CUSTOMER AGREES TO PAY ALL COLLECTION COSTS AND ATTORNEY FEES IN THE AMOUNT OF 20% OF THE AMOUNT OF THE UNPAID ACCOUNT.



HALLIBURTON SERVICES

REMIT TO:
P.O. BOX 951046
DALLAS, TX 75395-1046

INVOICE

A Halliburton Company

INVOICE NO.	DATE
040897	11/17/1990

WELL LEASE NO./PLANT NAME		WELL/PLANT LOCATION		STATE	WELL/PLANT OWNER	
ALDRICH 1		KIOWA		KS	SAME	
SERVICE LOCATION		CONTRACTOR	JOB PURPOSE		TICKET DATE	
PRATT		EAGLE DRLC	CEMENT PRODUCTION CASING		11/17/1990	
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.	
202259	ROBERT MOOREHEAD			COMPANY TRUCK	05507	

CROSS BAR PETROLEUM INC
P O BOX 20080
WICHITA, KS 67208

DIRECT CORRESPONDENCE TO:
SUITE 1300
LIBERTY TOWER
100 BROADWAY AVENUE
OKLAHOMA CITY, OK 73102-0000

PRICE REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
	INVOICE SUBTOTAL				5,556.74
	DISCOUNT - (BID)				1,222.48
	INVOICE BID AMOUNT				4,334.26
	*-KANSAS STATE SALES TAX				98.09
	*-PRATT COUNTY SALES TAX				23.07
	INVOICE TOTAL - PLEASE PAY THIS AMOUNT				\$4,455.42

TERMS INVOICES PAYABLE NET BY THE 20TH OF THE FOLLOWING MONTH AFTER DATE OF INVOICE. UPON CUSTOMER'S DEFAULT IN PAYMENT OF CUSTOMER'S ACCOUNT BY THE LAST DAY OF THE MONTH FOLLOWING THE MONTH IN WHICH THE INVOICE IS DATED, CUSTOMER AGREES TO PAY INTEREST THEREON AFTER DEFAULT AT THE HIGHEST LAWFUL CONTRACT RATE APPLICABLE BUT NEVER TO EXCEED 18% PER ANNUM. IN THE EVENT IT BECOMES NECESSARY TO EMPLOY AN ATTORNEY TO ENFORCE COLLECTION OF SAID ACCOUNT, CUSTOMER AGREES TO PAY ALL COLLECTION COSTS AND ATTORNEY FEES IN THE AMOUNT OF 20% OF THE AMOUNT OF THE UNPAID ACCOUNT.



INVOICE

A Halliburton Company

INVOICE NO.	DATE
041896	12/06/1990

WELL LEASE NO./PLANT NAME		WELL/PLANT LOCATION		STATE	WELL/PLANT OWNER	
ALDRICH 1		KIDWA		KS	SAME	
SERVICE LOCATION		CONTRACTOR	JOB PURPOSE		TICKET DATE	
PRATT		PRATT WELL SERVICE	SQUEEZE PERFORATIONS		12/06/1990	
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.	
202259	ROBERT MOOREHEAD			COMPANY TRUCK	06602	

CROSS BAR PETROLEUM INC
P O BOX 20060
WICHITA, KS 67208

DIRECT CORRESPONDENCE TO:
SUITE 1300
LIBERTY TOWER
100 BROADWAY AVENUE
OKLAHOMA CITY, OK 73102-0000

PRICE REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
000-117	MILEAGE	48	MI	2.35	112.80
000-118	MILEAGE SURCHARGE-CEMENT-LAND	48	MI	.40	19.20
009-134	CEMENT SQUEEZE	4586	FT	1,260.00	1,260.00
510-222	SACKED SAND 20/40 & SMALLER	2	SK	8.60	17.20
504-308	STANDARD CEMENT	50	SK	5.35	267.50
507-665	HALAD-9	14	LB	6.65	93.10
500-307	MILEAGE SURCHARGE-CEMENT MAT.	113.14	TNI	.10	11.31
500-207	BULK SERVICE CHARGE	50	CFT	1.10	55.00
500-306	MILEAGE CMTG MAT DEL OR RETURN	113.14	TNI	.75	84.86
INVOICE SUBTOTAL					1,920.97
DISCOUNT-(BID)					326.53
INVOICE BID AMOUNT					1,594.44
*--KANSAS STATE SALES TAX					17.65
*--PRATT COUNTY SALES TAX					4.15
INVOICE TOTAL - PLEASE PAY THIS AMOUNT					\$1,616.24

TERMS INVOICES PAYABLE NET BY THE 20TH OF THE FOLLOWING MONTH AFTER DATE OF INVOICE. UPON CUSTOMER'S DEFAULT IN PAYMENT OF CUSTOMER'S ACCOUNT BY THE LAST DAY OF THE MONTH FOLLOWING THE MONTH IN WHICH THE INVOICE IS DATED, CUSTOMER AGREES TO PAY INTEREST THEREON AFTER DEFAULT AT THE HIGHEST LAWFUL CONTRACT RATE APPLICABLE BUT NEVER TO EXCEED 18% PER ANNUM. IN THE EVENT IT BECOMES NECESSARY TO EMPLOY AN ATTORNEY TO ENFORCE COLLECTION OF SAID ACCOUNT, CUSTOMER AGREES TO PAY ALL COLLECTION COSTS AND ATTORNEY FEES IN THE AMOUNT OF 20% OF THE AMOUNT OF THE UNPAID ACCOUNT.

ORIGINAL

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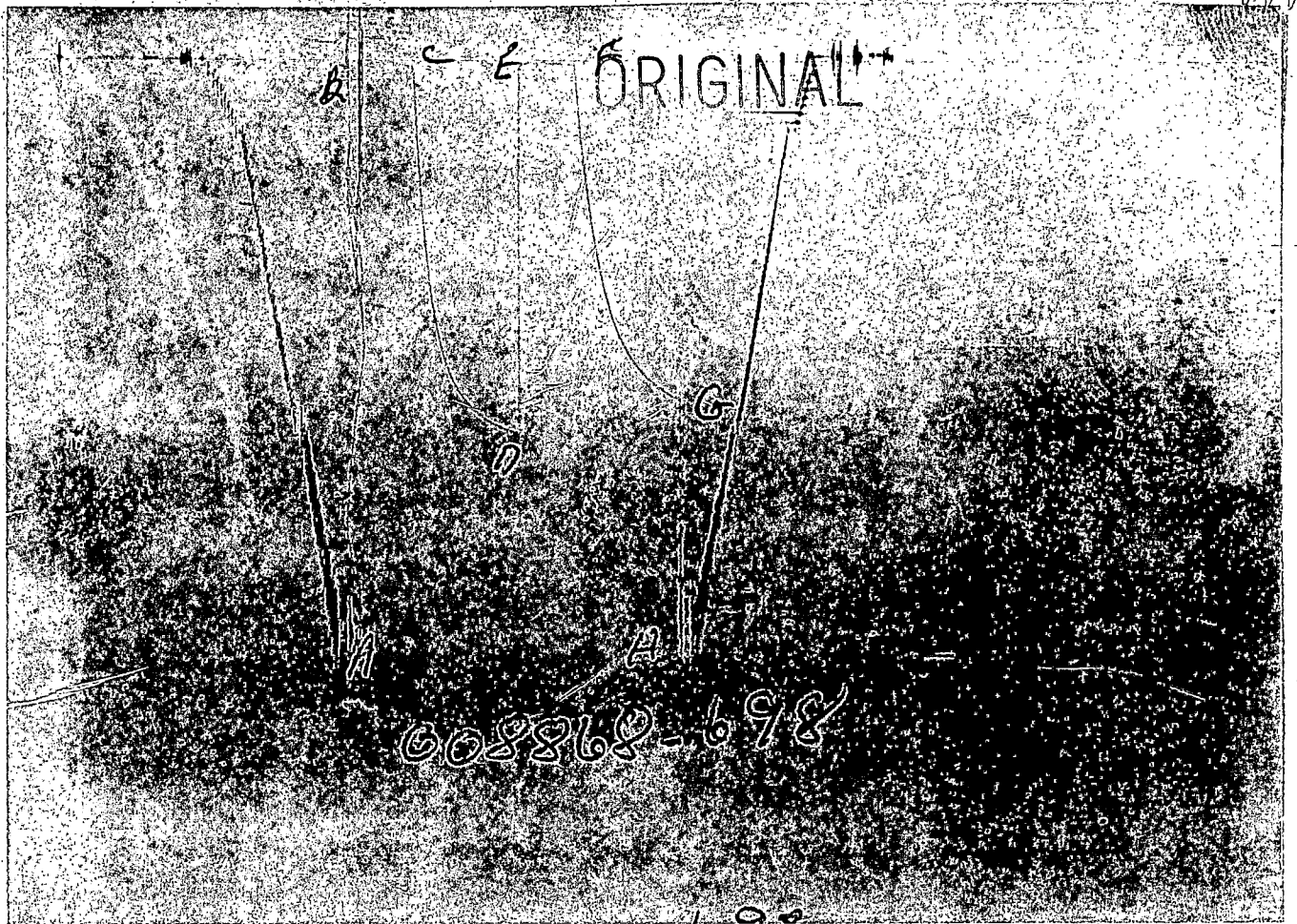
CROSSBAR PETROLEUM, INC.

LEASE : ALDRICH

WELL NO. : 1
TEST NO. : 1

TICKET NO. 00886800
19-NOV-90
PRATT.

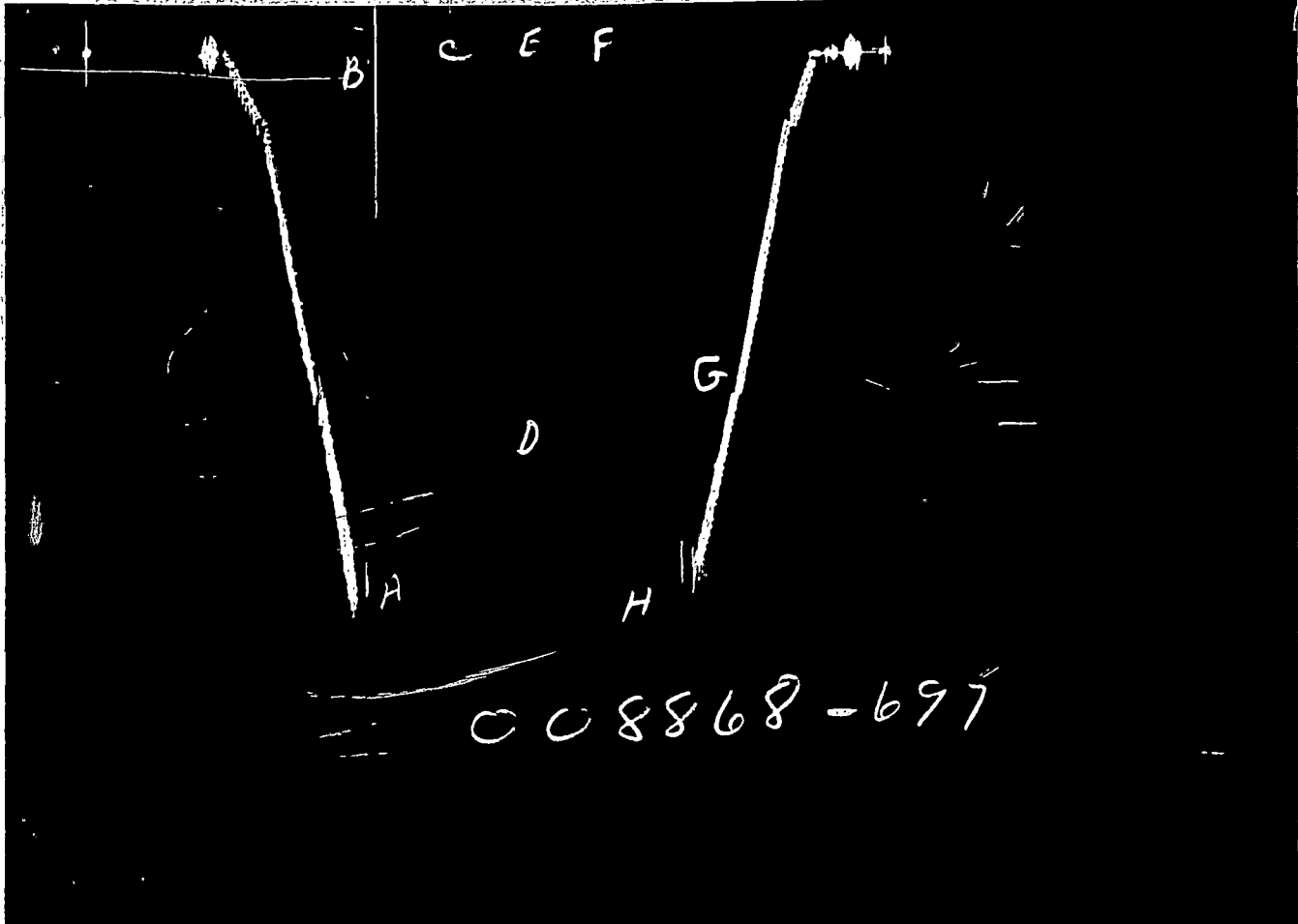
ALDRICH
 LEASE NAME
 WELL NO. 1
 TEST NO. 1
 4326.0 - 4338.0
 TESTED INTERVAL
 CROSSBAR PETROLEUM, INC.
 LEASE OWNER / COMPANY NAME
 LEGAL LOCATION
 SEC. - TWP. - RANG. 22-28S-30M
 FIELD AREA
 COUNTY K IOWA
 STATE KANSAS DR



GAUGE NO: 698 DEPTH: 4305.0 BLANKED OFF: NO HOUR OF CLOCK: 12

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC		2067.5			
B	INITIAL FIRST FLOW		34.5			
C	FINAL FIRST FLOW		30.0	30.0	30.3	F
C	INITIAL FIRST CLOSED-IN		30.0			
D	FINAL FIRST CLOSED-IN		1375.4	60.0	59.7	C
E	INITIAL SECOND FLOW		32.5			
F	FINAL SECOND FLOW		25.0	30.0	30.7	F
F	INITIAL SECOND CLOSED-IN		25.0			
G	FINAL SECOND CLOSED-IN		1253.3	60.0	59.4	C
H	FINAL HYDROSTATIC		2060.0			

ORIGINAL



GAUGE NO: 697 DEPTH: 4335.0 BLANKED OFF: YES HOUR OF CLOCK: 12

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC	2065	2076.6			
B	INITIAL FIRST FLOW	20	31.6			
C	FINAL FIRST FLOW	30	34.1	30.0	30.3	F
C	INITIAL FIRST CLOSED-IN	30	34.1			
D	FINAL FIRST CLOSED-IN	1369	1380.5	60.0	59.7	C
E	INITIAL SECOND FLOW	20	33.1			
F	FINAL SECOND FLOW	30	29.7	30.0	30.7	F
F	INITIAL SECOND CLOSED-IN	30	29.7			
G	FINAL SECOND CLOSED-IN	1248	1255.3	60.0	59.4	C
H	FINAL HYDROSTATIC	2065	2068.4			

ORIGINAL

EQUIPMENT & HOLE DATA

FORMATION TESTED: KANSAS CITY "B"
 NET PAY (ft): 10.0
 GROSS TESTED FOOTAGE: 12.0
 ALL DEPTHS MEASURED FROM: KELLY BUSHING
 CASING PERFS. (ft): _____
 HOLE OR CASING SIZE (in): 7.875
 ELEVATION (ft): 2311.0
 TOTAL DEPTH (ft): 4338.0
 PACKER DEPTH(S) (ft): 4320, 4326
 FINAL SURFACE CHOKE (in): 0.12500
 BOTTOM HOLE CHOKE (in): 0.750
 MUD WEIGHT (lb/gal): 9.30
 MUD VISCOSITY (sec): 43
 ESTIMATED HOLE TEMP. (°F): _____
 ACTUAL HOLE TEMP. (°F): 104 @ 4333.0 ft

TICKET NUMBER: 00886800
 DATE: 11-12-90 TEST NO: 1
 TYPE DST: OPEN HOLE
 FIELD CAMP: PRATT
 TESTER: L.R. PARKER
 WITNESS: A. BRENSING
 DRILLING CONTRACTOR: EAGLE DRILLING COMPANY

FLUID PROPERTIES FOR RECOVERED MUD & WATER

SOURCE	RESISTIVITY	CHLORIDES
_____	_____ @ _____ °F	_____ ppm
_____	_____ @ _____ °F	_____ ppm
_____	_____ @ _____ °F	_____ ppm
_____	_____ @ _____ °F	_____ ppm
_____	_____ @ _____ °F	_____ ppm
_____	_____ @ _____ °F	_____ ppm

SAMPLER DATA

Psig AT SURFACE: _____
 cu.ft. OF GAS: _____
 cc OF OIL: _____
 cc OF WATER: _____
 cc OF MUD: _____
 TOTAL LIQUID cc: _____

HYDROCARBON PROPERTIES

OIL GRAVITY (°API): _____ @ _____ °F
 GAS/OIL RATIO (cu.ft. per bbl): _____
 GAS GRAVITY: _____

CUSHION DATA

TYPE	AMOUNT	WEIGHT
_____	_____	_____
_____	_____	_____

RECOVERED :

15' OF SLIGHT OIL AND GAS CUT MUD

MEASURED FROM
TESTER VALVE

REMARKS :

-----TIGHT HOLE INFORMATION-----

ORIGINAL

TICKET NO : 00886800
 CLOCK NO : 26740 HOUR : 12

GAUGE NO : 698
 DEPTH : 4305.0

REF	MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
FIRST FLOW					
B 1	0.0	34.5			
2	5.0	20.7	-13.8		
3	10.0	19.2	-1.4		
4	15.0	22.0	2.8		
5	20.0	24.5	2.5		
6	25.0	27.4	2.9		
C 7	30.3	30.0	2.6		
FIRST CLOSED-IN					
C 1	0.0	30.0			
2	1.0	124.6	94.6	1.0	1.485
3	2.0	236.7	206.7	1.9	1.212
4	3.0	353.1	323.1	2.7	1.042
5	4.0	440.2	410.3	3.5	0.937
6	5.0	524.8	494.9	4.3	0.850
7	6.0	600.3	570.3	5.0	0.779
8	7.0	680.8	650.8	5.7	0.727
9	8.0	735.0	705.0	6.3	0.679
10	9.0	790.9	761.0	6.9	0.640
11	10.0	840.4	810.4	7.5	0.606
12	12.0	928.9	898.9	8.6	0.548
13	14.0	996.0	966.0	9.6	0.500
14	16.0	1054.3	1024.3	10.5	0.461
15	18.0	1099.3	1069.3	11.3	0.429
16	20.0	1138.9	1109.0	12.0	0.401
17	22.0	1171.2	1141.2	12.7	0.377
18	24.0	1197.1	1167.1	13.4	0.354
19	26.0	1220.5	1190.5	14.0	0.335
20	28.0	1240.1	1210.1	14.6	0.318
21	30.0	1257.5	1227.5	15.1	0.303
22	35.0	1293.2	1263.2	16.2	0.271
23	40.0	1320.4	1290.4	17.2	0.245
24	45.0	1340.3	1310.3	18.1	0.224
25	50.0	1355.4	1325.5	18.9	0.205
26	55.0	1367.4	1337.4	19.5	0.191
D 27	59.7	1375.4	1345.5	20.1	0.178
SECOND FLOW					
E 1	0.0	32.5			
2	5.0	18.0	-14.5		
3	10.0	18.0	0.0		
4	15.0	19.4	1.5		
5	20.0	22.1	2.6		
6	25.0	24.2	2.1		
F 7	30.7	25.0	0.8		

REF	MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
SECOND CLOSED-IN					
F 1	0.0	25.0			
2	1.0	101.9	76.9	1.0	1.775
3	2.0	167.2	142.3	1.9	1.498
4	3.0	245.6	220.6	2.8	1.333
5	4.0	318.9	293.9	3.7	1.212
6	5.0	368.1	343.1	4.6	1.123
7	6.0	421.8	396.8	5.5	1.048
8	7.0	471.2	446.2	6.3	0.988
9	8.0	517.8	492.8	7.1	0.934
10	9.0	568.5	543.5	7.8	0.891
11	10.0	614.1	589.1	8.6	0.853
12	12.0	693.1	668.1	10.0	0.785
13	14.0	760.1	735.2	11.4	0.730
14	16.0	819.2	794.2	12.6	0.683
15	18.0	876.9	851.9	13.9	0.642
16	20.0	920.3	895.3	15.0	0.608
17	22.0	964.3	939.3	16.2	0.576
18	24.0	998.7	973.7	17.2	0.549
19	26.0	1029.0	1004.0	18.2	0.524
20	28.0	1055.6	1030.6	19.2	0.502
21	30.0	1078.0	1053.1	20.1	0.482
22	35.0	1129.0	1104.0	22.2	0.438
23	40.0	1166.5	1141.5	24.2	0.402
24	45.0	1197.3	1172.3	25.9	0.372
25	50.0	1221.9	1196.9	27.5	0.346
26	55.0	1240.0	1215.1	28.9	0.324
G 27	59.4	1253.3	1228.3	30.1	0.307

REMARKS:

TICKET NO: 00886800
 CLOCK NO: 14285 HOUR: 12

















ORIGINAL

GAUGE NO: 697
 DEPTH: 4335.0

REF	MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
FIRST FLOW					
B 1	0.0	31.6			
2	5.0	27.4	-4.2		
3	10.0	26.1	-1.3		
4	15.0	28.0	1.9		
5	20.0	30.6	2.6		
6	25.0	32.8	2.2		
C 7	30.3	34.1	1.3		
FIRST CLOSED-IN					
C 1	0.0	34.1			
2	1.0	154.6	120.5	1.0	1.478
3	2.0	262.5	228.4	1.9	1.212
4	3.0	368.6	334.5	2.7	1.048
5	4.0	456.3	422.1	3.5	0.938
6	5.0	547.5	513.4	4.3	0.849
7	6.0	629.3	595.2	5.0	0.784
8	7.0	699.8	665.7	5.7	0.727
9	8.0	755.7	721.6	6.3	0.679
10	9.0	814.6	780.5	6.9	0.641
11	10.0	853.7	819.6	7.5	0.606
12	12.0	943.7	909.6	8.6	0.548
13	14.0	1017.3	983.2	9.6	0.500
14	16.0	1068.5	1034.4	10.5	0.462
15	18.0	1115.0	1080.9	11.3	0.428
16	20.0	1148.0	1113.9	12.0	0.401
17	22.0	1182.7	1148.6	12.8	0.376
18	24.0	1208.4	1174.3	13.4	0.355
19	26.0	1229.8	1195.7	14.0	0.336
20	28.0	1249.4	1215.3	14.5	0.319
21	30.0	1267.4	1233.3	15.1	0.303
22	35.0	1303.5	1269.3	16.2	0.271
23	40.0	1328.2	1294.1	17.2	0.245
24	45.0	1345.8	1311.7	18.1	0.224
25	50.0	1361.0	1326.9	18.9	0.206
26	55.0	1373.1	1339.0	19.5	0.190
D 27	59.7	1380.5	1346.4	20.1	0.178
SECOND FLOW					
E 1	0.0	33.1			
2	5.0	20.5	-12.6		
3	10.0	22.2	1.7		
4	15.0	24.6	2.4		
5	20.0	26.3	1.7		
6	25.0	28.2	1.9		
F 7	30.7	29.7	1.6		

REF	MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
SECOND CLOSED-IN					
F 1	0.0	29.7			
2	1.0	106.3	76.5	1.0	1.786
3	2.0	164.5	134.7	1.9	1.505
4	3.0	231.6	201.8	2.8	1.331
5	4.0	302.3	272.6	3.8	1.211
6	5.0	359.6	329.8	4.6	1.119
7	6.0	422.6	392.8	5.5	1.046
8	7.0	470.0	440.3	6.3	0.987
9	8.0	526.8	497.0	7.1	0.937
10	9.0	570.3	540.5	7.8	0.892
11	10.0	621.6	591.8	8.6	0.851
12	12.0	706.2	676.5	10.0	0.785
13	14.0	774.8	745.0	11.4	0.728
14	16.0	830.6	800.9	12.7	0.681
15	18.0	881.9	852.2	13.9	0.642
16	20.0	926.9	897.1	15.1	0.607
17	22.0	965.8	936.0	16.2	0.577
18	24.0	1004.9	975.2	17.2	0.549
19	26.0	1035.4	1005.6	18.2	0.524
20	28.0	1063.0	1033.3	19.2	0.502
21	30.0	1083.9	1054.1	20.1	0.482
22	35.0	1132.9	1103.1	22.2	0.438
23	40.0	1170.9	1141.1	24.1	0.402
24	45.0	1201.3	1171.5	25.9	0.372
25	50.0	1225.3	1195.5	27.5	0.346
26	55.0	1242.9	1213.2	28.9	0.324
G 27	59.4	1255.3	1225.5	30.1	0.307

REMARKS:

		O.D.	I.D.	LENGTH	DEPTH
1	 DRILL PIPE.....	4.500	3.826	3742.0	
3	 DRILL COLLARS.....	6.000	2.250	423.0	
50	 IMPACT REVERSING SUB.....	6.000	2.750	1.0	4165.5
3	 DRILL COLLARS.....	6.000	2.250	121.0	
5	 CROSSOVER.....	6.000	2.250	1.0	
11	 HANDLING SUB & CHOKE ASSEMBLY...	5.000	3.650	5.0	
12	 DUAL CIP VALVE.....	5.000	0.870	6.0	
60	 HYDROSPRING TESTER.....	5.000	0.750	5.0	4303.0
80	 AP RUNNING CASE.....	5.000	2.250	4.0	4305.0
15	 JAR.....	5.000	1.750	5.0	
16	 VR SAFETY JOINT.....	5.000	1.000	3.0	
70	 OPEN HOLE PACKER.....	6.750	1.530	6.0	4320.0
70	 OPEN HOLE PACKER.....	6.750	1.530	6.0	4326.0
20	 FLUSH JOINT ANCHOR.....	5.000	2.370	4.0	
83	 HT-500 TEMPERATURE CASE.....	5.000	2.650	2.0	4333.0
81	 BLANKED-OFF RUNNING CASE.....	5.000		4.0	4335.0
	TOTAL DEPTH				4338.0

ORIGINAL

349

CROSSBAR PETROLEUM, INC.

LEASE : ALDRICH

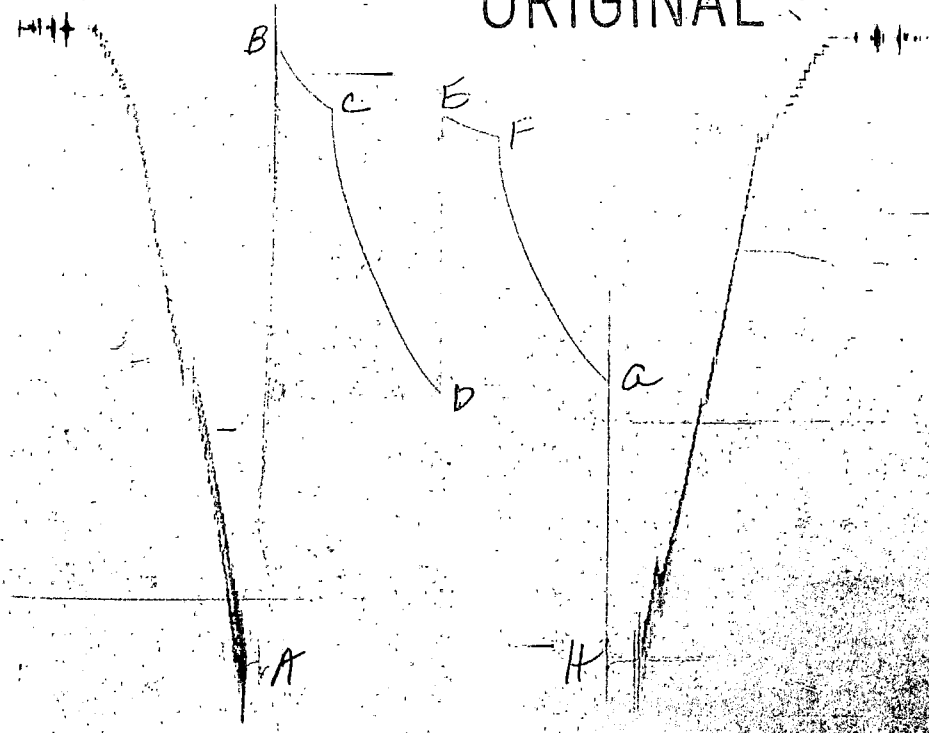
WELL NO. : 1

TEST NO. : 2

TICKET NO. 00886900
 19-NOV-90
 PRATT.

LEGAL LOCATION SEC. - TWP. - RANG.	22-28S-20W	FIELD AREA	COUNTY	KIOWA	STATE	KANSAS	SM
LEASE NAME	ALDRICH	WELL NO.	1	TEST NO.	2	TESTED INTERVAL	4589.0 - 4601.0
LEASE OWNER/COMPANY NAME						CROSSBAR PETROLEUM, INC.	

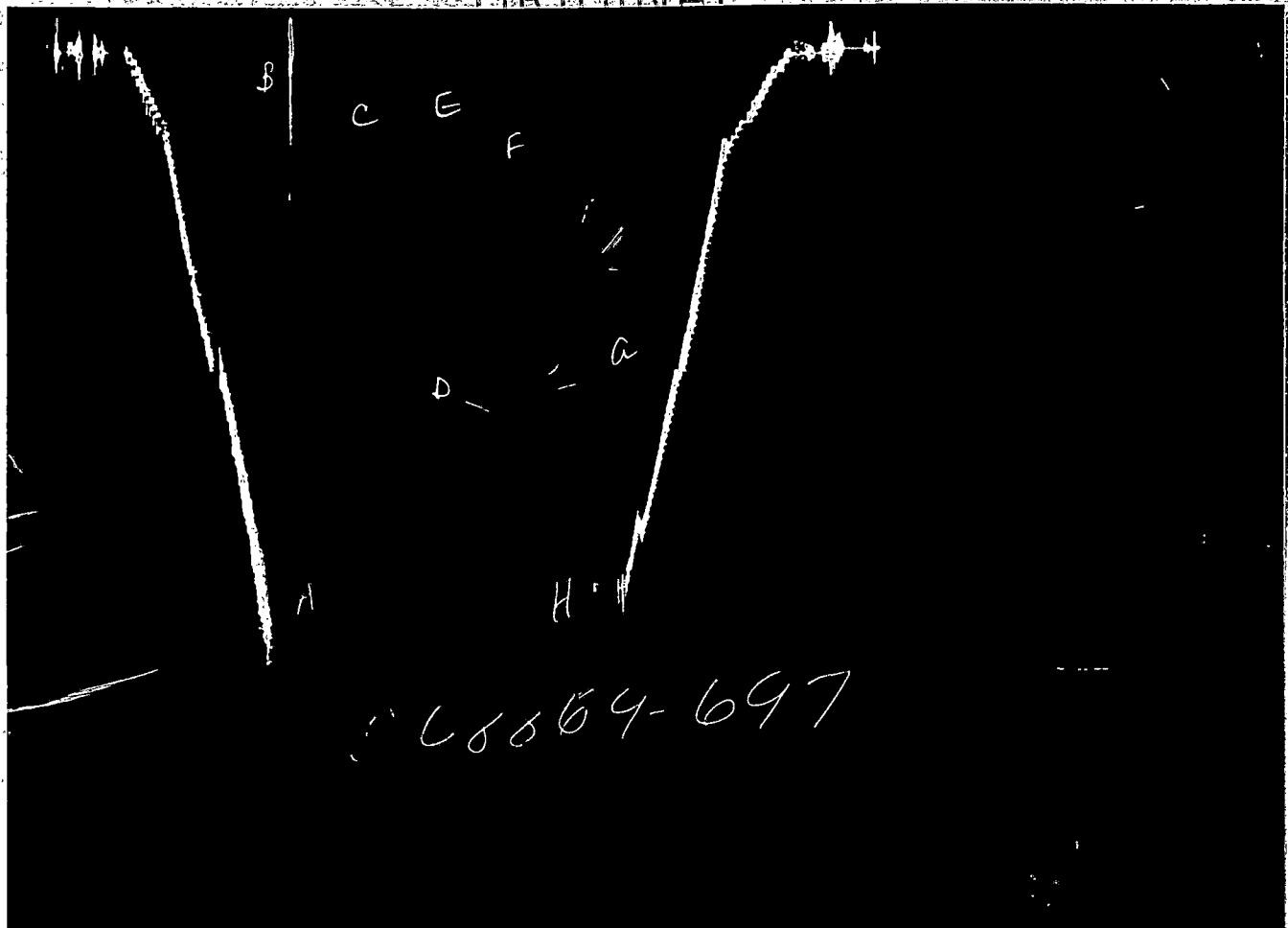
ORIGINAL



008869-698

GAUGE NO: 698 DEPTH: 4568.0 BLANKED OFF: NO HOUR OF CLOCK: 12

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC		2205.4			
B	INITIAL FIRST FLOW		37.4			
C	FINAL FIRST FLOW		268.9	30.0	30.3	F
C	INITIAL FIRST CLOSED-IN		268.9	60.0	59.4	C
D	FINAL FIRST CLOSED-IN		1261.4			
E	INITIAL SECOND FLOW		297.5			
F	FINAL SECOND FLOW		363.3	30.0	30.1	F
F	INITIAL SECOND CLOSED-IN		363.3	60.0	60.2	C
G	FINAL SECOND CLOSED-IN		1216.0			
H	FINAL HYDROSTATIC		2183.5			



6864-697

GAUGE NO: 697 DEPTH: 4598.0 BLANKED OFF: YES HOUR OF CLOCK: 12

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC	2208	2210.8			
B	INITIAL FIRST FLOW	40	47.1			
C	FINAL FIRST FLOW	279	286.9	30.0	30.3	F
C	INITIAL FIRST CLOSED-IN	279	286.9			
D	FINAL FIRST CLOSED-IN	1259	1276.1	60.0	59.4	C
E	INITIAL SECOND FLOW	289	310.2			
F	FINAL SECOND FLOW	379	381.2	30.0	30.1	F
F	INITIAL SECOND CLOSED-IN	379	381.2			
G	FINAL SECOND CLOSED-IN	1228	1230.0	60.0	60.2	C
H	FINAL HYDROSTATIC	2197	2194.0			

EQUIPMENT & HOLE DATA	TICKET NUMBER: <u>00886900</u>
FORMATION TESTED: <u>SUOPE</u>	DATE: <u>11-13-90</u> TEST NO: <u>2</u>
NET PAY (ft): <u>7.0</u>	TYPE DST: <u>OPEN HOLE</u>
GROSS TESTED FOOTAGE: <u>12.0</u>	FIELD CAMP: _____
ALL DEPTHS MEASURED FROM: <u>KELLY BUSHING</u>	PRATT.
CASING PERFS. (ft): _____	TESTER: <u>L.R. PARKER</u>
HOLE OR CASING SIZE (in): <u>7.875</u>	WITNESS: <u>A. BRENSING</u>
ELEVATION (ft): <u>2311.0</u>	DRILLING CONTRACTOR: _____
TOTAL DEPTH (ft): <u>4601.0</u>	EAGLE DRILLING COMPANY
PACKER DEPTH(S) (ft): <u>4583, 4589</u>	
FINAL SURFACE CHOKE (in): _____	
BOTTOM HOLE CHOKE (in): <u>0.750</u>	
MUD WEIGHT (lb/gal): <u>9.30</u>	
MUD VISCOSITY (sec): <u>45</u>	
ESTIMATED HOLE TEMP. (°E): _____	
ACTUAL HOLE TEMP. (°F): <u>113 @ 4596.0</u> ft	

FLUID PROPERTIES FOR RECOVERED MUD & WATER

SOURCE	RESISTIVITY	CHLORIDES	
<u>PIT</u>	@ _____ °F	<u>7500</u> ppm	
<u>RECOVERY</u>	@ _____ °F	<u>118000</u> ppm	
_____	@ _____ °F	_____ ppm	
_____	@ _____ °F	_____ ppm	
_____	@ _____ °F	_____ ppm	
_____	@ _____ °F	_____ ppm	

SAMPLER DATA

Psig AT SURFACE: _____

cu.ft. OF GAS: _____

cc OF OIL: _____

cc OF WATER: _____

cc OF MUD: _____

TOTAL LIQUID cc: _____

HYDROCARBON PROPERTIES

OIL GRAVITY (°API): 35.0 @ 60 °F

GAS/OIL RATIO (cu.ft. per bbl): _____

GAS GRAVITY: _____

CUSHION DATA

TYPE	AMOUNT	WEIGHT
_____	_____	_____
_____	_____	_____

RECOVERED :

10 FEET OF FREE OIL

60 FEET OF OIL CUT WATER

665 FEET OF WATER

MEASURED FROM TESTER VALVE

REMARKS :

-----TIGHT HOLE INFORMATION-----

TICKET NO: 00886900

GAUGE NO: 698

CLOCK NO: 2674 HOUR: 12

DEPTH: 4568.0

REF	MINUTES	PRESSURE	AP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
FIRST FLOW					
B 1	0.0	37.4			
2	5.0	96.3	58.9		
3	10.0	146.5	50.3		
4	15.0	186.5	39.9		
5	20.0	219.8	33.4		
6	25.0	247.8	28.0		
C 7	30.3	268.9	21.1		
FIRST CLOSED-IN					
C 1	0.0	268.9			
2	1.0	361.3	112.4	0.9	1.505
3	2.0	431.6	162.7	1.9	1.206
4	3.0	467.4	198.5	2.7	1.049
5	4.0	501.3	232.4	3.6	0.931
6	5.0	526.7	257.8	4.3	0.850
7	6.0	553.5	284.6	5.0	0.782
8	7.0	575.1	306.2	5.7	0.728
9	8.0	596.4	327.5	6.3	0.682
10	9.0	618.5	349.6	6.9	0.640
11	10.0	640.1	371.2	7.5	0.605
12	12.0	660.0	411.1	8.6	0.547
13	14.0	714.8	445.9	9.6	0.501
14	16.0	750.5	481.6	10.5	0.461
15	18.0	782.5	513.6	11.3	0.429
16	20.0	815.1	546.2	12.1	0.400
17	22.0	843.5	574.6	12.7	0.377
18	24.0	869.5	600.6	13.4	0.355
19	26.0	898.7	629.8	14.0	0.335
20	28.0	929.8	660.9	14.6	0.318
21	30.0	959.1	690.2	15.1	0.303
22	35.0	1028.7	759.8	16.2	0.271
23	40.0	1090.2	821.3	17.2	0.245
24	45.0	1143.5	874.6	18.1	0.224
25	50.0	1191.1	922.2	18.9	0.206
26	55.0	1231.0	962.1	19.5	0.191
D 27	59.4	1261.4	992.5	20.1	0.179
SECOND FLOW					
E 1	0.0	297.5			
2	5.0	302.6	5.1		
3	10.0	319.1	16.5		
4	15.0	331.8	12.7		
5	20.0	343.3	11.5		
6	25.0	352.9	9.6		
F 7	30.1	363.3	10.3		

REF	MINUTES	PRESSURE	AP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
SECOND CLOSED-IN					
F 1	0.0	363.3			
2	1.0	464.4	101.1	1.0	1.794
3	2.0	507.3	144.0	2.0	1.486
4	3.0	538.4	175.2	2.8	1.327
5	4.0	562.9	199.7	3.7	1.211
6	5.0	585.7	223.4	4.6	1.119
7	6.0	607.5	244.3	5.4	1.045
8	7.0	630.2	266.9	6.3	0.982
9	8.0	648.0	284.8	7.0	0.933
10	9.0	667.0	303.7	7.8	0.889
11	10.0	685.9	322.6	8.6	0.849
12	12.0	721.7	356.5	10.0	0.780
13	14.0	753.8	390.5	11.4	0.724
14	16.0	785.0	421.8	12.7	0.678
15	18.0	812.9	449.6	13.9	0.639
16	20.0	840.5	477.2	15.0	0.605
17	22.0	867.3	504.1	16.1	0.573
18	24.0	891.2	528.0	17.2	0.547
19	26.0	915.5	552.2	18.2	0.521
20	28.0	936.0	572.7	19.1	0.499
21	30.0	959.8	596.6	20.0	0.480
22	35.0	1015.4	652.2	22.2	0.436
23	40.0	1066.6	703.3	24.1	0.400
24	45.0	1111.1	747.9	25.8	0.370
25	50.0	1150.2	787.0	27.4	0.344
26	55.0	1185.1	821.8	28.8	0.322
G 27	60.2	1216.0	852.8	30.2	0.302

REMARKS:

ORIGINAL

TICKET NO: 00886900

GAUGE NO: 697

CLOCK NO: 14285 HOUR: 12

DEPTH: 4598.0



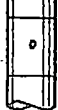












REF	MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
FIRST FLOW					
B 1	0.0	47.1			
2	5.0	117.8	70.8		
3	10.0	170.0	52.2		
4	15.0	209.9	39.9		
5	20.0	242.5	32.7		
6	25.0	268.7	26.2		
C 7	30.3	286.9	18.1		
FIRST CLOSED-IN					
C 1	0.0	286.9			
2	1.0	411.4	124.6	1.0	1.490
3	2.0	457.0	170.1	1.9	1.209
4	3.0	493.8	206.9	2.8	1.042
5	4.0	523.2	236.3	3.5	0.933
6	5.0	548.6	261.8	4.3	0.851
7	6.0	570.9	284.0	5.0	0.782
8	7.0	593.9	307.1	5.7	0.727
9	8.0	613.8	326.9	6.3	0.681
10	9.0	633.4	346.5	6.9	0.641
11	10.0	653.4	366.6	7.5	0.606
12	12.0	691.6	404.7	8.5	0.546
13	14.0	726.1	439.3	9.6	0.500
14	16.0	759.6	472.7	10.5	0.462
15	18.0	792.5	505.6	11.3	0.429
16	20.0	825.8	538.9	12.0	0.401
17	22.0	859.7	572.8	12.8	0.376
18	24.0	891.5	604.6	13.4	0.354
19	26.0	920.8	633.9	14.0	0.335
20	28.0	951.0	664.1	14.6	0.318
21	30.0	980.7	693.9	15.1	0.303
22	35.0	1048.0	761.2	16.2	0.271
23	40.0	1111.6	824.7	17.2	0.245
24	45.0	1164.8	877.9	18.1	0.224
25	50.0	1209.8	922.9	18.9	0.206
26	55.0	1249.0	962.1	19.5	0.191
D 27	59.4	1276.1	989.2	20.1	0.179
SECOND FLOW					
E 1	0.0	310.2			
2	5.0	320.9	10.7		
3	10.0	337.2	16.2		
4	15.0	351.3	14.2		
5	20.0	361.9	10.6		
6	25.0	371.4	9.5		
F 7	30.1	381.2	9.9		

REF	MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
SECOND CLOSED-IN					
F 1	0.0	381.2			
2	1.0	487.5	106.3	1.0	1.795
3	2.0	530.8	149.6	2.0	1.486
4	3.0	559.6	178.4	2.9	1.326
5	4.0	586.9	205.6	3.8	1.203
6	5.0	609.4	228.2	4.6	1.114
7	6.0	628.5	247.3	5.5	1.044
8	7.0	649.2	267.9	6.3	0.983
9	8.0	667.0	285.8	7.0	0.934
10	9.0	686.4	305.2	7.8	0.887
11	10.0	702.9	321.7	8.6	0.848
12	12.0	735.4	354.2	10.0	0.782
13	14.0	767.7	386.5	11.4	0.726
14	16.0	798.3	417.0	12.6	0.680
15	18.0	826.1	444.9	13.8	0.640
16	20.0	854.2	473.0	15.0	0.605
17	22.0	882.3	501.1	16.2	0.573
18	24.0	906.8	525.6	17.2	0.546
19	26.0	932.0	550.8	18.2	0.522
20	28.0	957.6	576.4	19.1	0.499
21	30.0	981.5	600.3	20.1	0.479
22	35.0	1036.1	654.9	22.2	0.435
23	40.0	1084.4	703.2	24.1	0.400
24	45.0	1129.7	748.4	25.8	0.370
25	50.0	1167.9	786.6	27.4	0.344
26	55.0	1201.7	820.5	28.8	0.322
G 27	60.2	1230.0	848.8	30.2	0.302

REMARKS:

ORIGINAL

TICKET NO. 100386900

		O.D.	I.D.	LENGTH	DEPTH
1	 DRILL PIPE	4.500	3.826	4009.0	
3	 DRILL COLLARS	6.000	2.250	424.0	
50	 IMPACT REVERSING SUB	6.000	2.750	1.0	4433.5
3	 DRILL COLLARS	6.000	2.250	121.0	
5	 CROSSOVER	6.000	2.250	1.0	
12	 DUAL CIP VALVE	5.000	0.870	6.0	
60	 HYDROSPRING TESTER	5.000	0.750	5.0	4566.0
80	 AP RUNNING CASE	5.000	2.250	4.0	4568.0
15	 JAR	5.000	1.750	5.0	
16	 VR SAFETY JOINT	5.000	1.000	3.0	
70	 OPEN HOLE PACKER	6.750	1.530	6.0	4583.0
70	 OPEN HOLE PACKER	6.750	1.530	6.0	4589.0
20	 FLUSH JOINT ANCHOR	5.000	2.370	4.0	
83	 HT-500 TEMPERATURE CASE	5.000	2.650	2.0	4596.0
81	 BLANKED-OFF RUNNING CASE	5.000		4.0	4598.0
TOTAL DEPTH					4601.0

EQUIPMENT DATA

ORIGINAL

CROSSBAR PETROLEUM, INC.

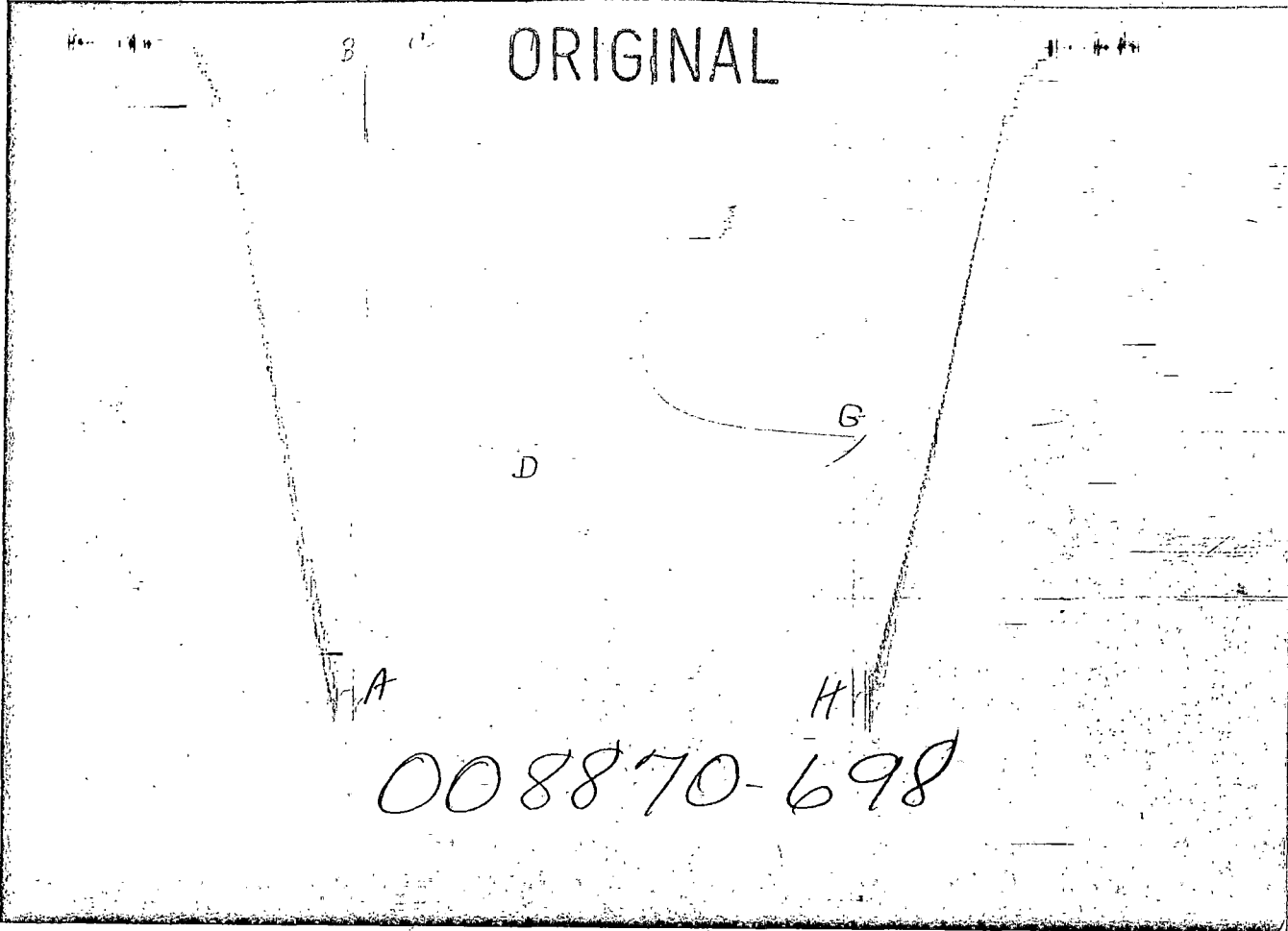
LEASE : ALDRICH

WELL NO. : 1

TEST NO. : 3

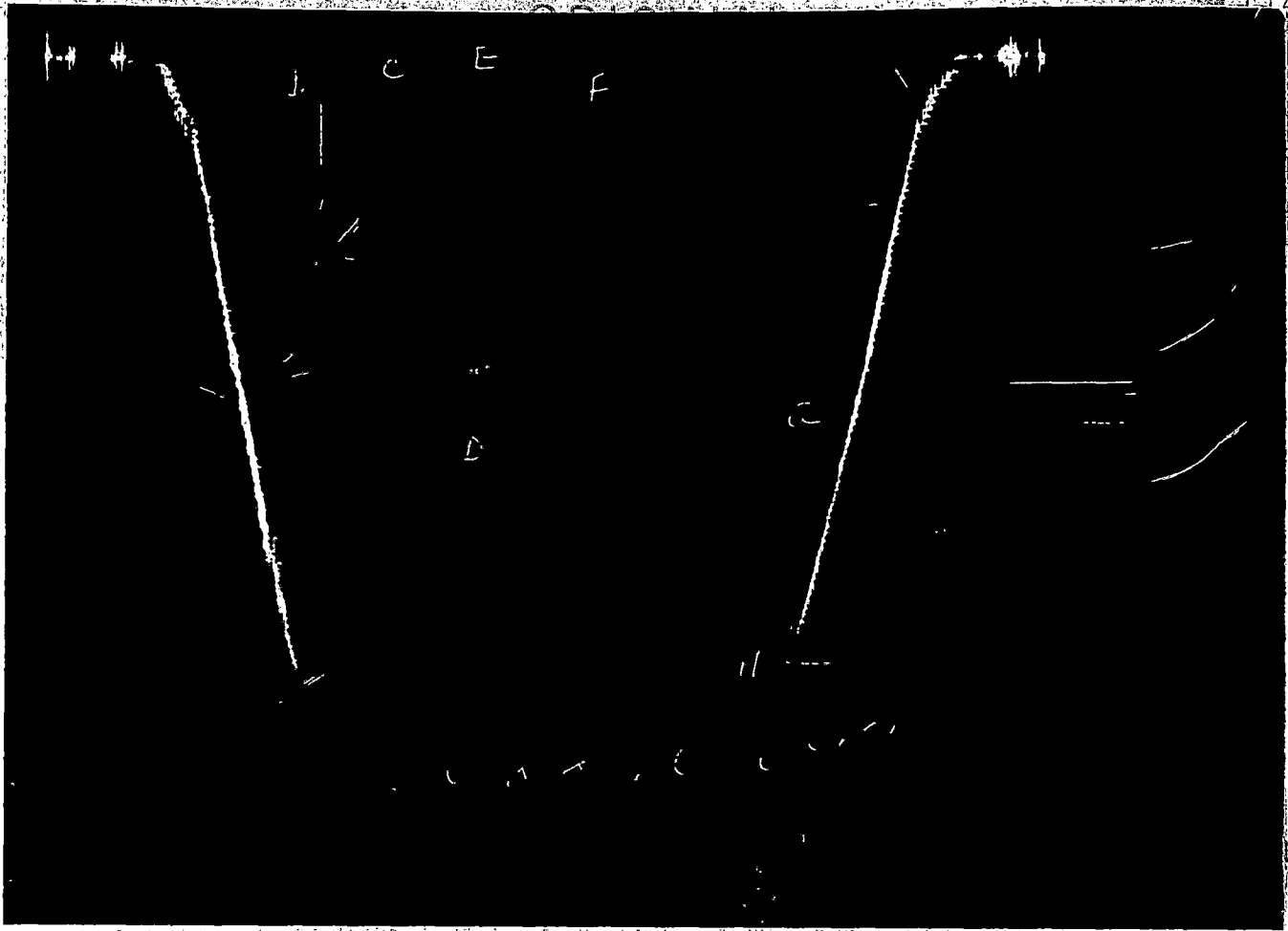
TICKET NO. 00887000
 19-NOV-90
 PRATT.

LEGAL LOCATION	ALDRICH	WELL NO.	1	TEST NO.	3	FIELD		TESTED INTERVAL	4916.0 - 4928.0	LEASE OWNER/COMPANY NAME	CROSSBAR PETROLEUM, INC.
SEC. - TWP. - RNG.	22-28S-20W					AREA					
						COUNTY	KIOWA				
						STATE	KANSAS				SM



GAUGE NO: 698 DEPTH: 4895.0 BLANKED OFF: NO HOUR OF CLOCK: 12

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC		2351.8			
B	INITIAL FIRST FLOW		84.8			
C	FINAL FIRST FLOW		67.5	30.0	31.3	F
C	INITIAL FIRST CLOSED-IN		67.5			
D	FINAL FIRST CLOSED-IN		1482.6	60.0	59.6	C
E	INITIAL SECOND FLOW		87.5			
F	FINAL SECOND FLOW		99.0	60.0	59.9	F
F	INITIAL SECOND CLOSED-IN		99.0			
G	FINAL SECOND CLOSED-IN		1421.7	120.0	119.2	C
H	FINAL HYDROSTATIC		2348.4			



GAUGE NO: 697 DEPTH: 4925.0 BLANKED OFF: YES HOUR OF CLOCK: 12

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC	2371	2358.8			
B	INITIAL FIRST FLOW	60	87.5			
C	FINAL FIRST FLOW	50	71.8	30.0	31.3	F
C	INITIAL FIRST CLOSED-IN	50	71.8			
D	FINAL FIRST CLOSED-IN	1469	1483.2	60.0	59.6	C
E	INITIAL SECOND FLOW	50	70.2			
F	FINAL SECOND FLOW	100	104.6	60.0	59.9	F
F	INITIAL SECOND CLOSED-IN	100	104.6			
G	FINAL SECOND CLOSED-IN	1429	1420.8	120.0	119.2	C
H	FINAL HYDROSTATIC	2371	2355.2			

EQUIPMENT & HOLE DATA

FORMATION TESTED: MISSISSIPPI
 NET PAY (ft): _____
 GROSS TESTED FOOTAGE: 12.0
 ALL DEPTHS MEASURED FROM: KELLY BUSHING
 CASING PERFS. (ft): _____
 HOLE OR CASING SIZE (in): 7.875
 ELEVATION (ft): 2311.0
 TOTAL DEPTH (ft): 4928.0
 PACKER DEPTH(S) (ft): 4910. 4916
 FINAL SURFACE CHOKE (in): 0.50000
 BOTTOM HOLE CHOKE (in): 0.750
 MUD WEIGHT (lb/gal): 9.40
 MUD VISCOSITY (sec): 44
 ESTIMATED HOLE TEMP. (°F): _____
 ACTUAL HOLE TEMP. (°F): 110 @ 4923.0 ft

TICKET NUMBER: 00887000

DATE: 11-14-90 TEST NO: 3

TYPE DST: OPEN HOLE

FIELD CAMP: PRATT

TESTER: L.R. PARKER

WITNESS: A. BRENSING

DRILLING CONTRACTOR: EAGLE DRILLING COMPANY

FLUID PROPERTIES FOR RECOVERED MUD & WATER

SOURCE	RESISTIVITY	CHLORIDES
<u>RECOVERY</u>	_____ @ _____ °F	<u>77500</u> ppm
<u>PIT</u>	_____ @ _____ °F	<u>7500</u> ppm
_____	_____ @ _____ °F	_____ ppm
_____	_____ @ _____ °F	_____ ppm
_____	_____ @ _____ °F	_____ ppm
_____	_____ @ _____ °F	_____ ppm

SAMPLER DATA

Psig AT SURFACE: _____
 cu.ft. OF GAS: _____
 cc OF OIL: _____
 cc OF WATER: _____
 cc OF MUD: _____
 TOTAL LIQUID cc: _____

HYDROCARBON PROPERTIES

OIL GRAVITY (°API): 35.0 @ 60 °F
 GAS/OIL RATIO (cu.ft. per bbl): _____
 GAS GRAVITY: _____

CUSHION DATA

TYPE	AMOUNT	WEIGHT
_____	_____	_____
_____	_____	_____

RECOVERED :

60 FEET OF FREE OIL
 90 FEET OF EMULSION CUT OIL
 90 FEET OF WATER

MEASURED FROM TESTER VALVE

REMARKS :

-----TIGHT HOLE INFORMATION-----

TICKET NO: 00887000

GAUGE NO: 698

CLOCK NO: 26740 HOUR: 12

DEPTH: 4895.0

REF	MINUTES	PRESSURE	AP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
FIRST FLOW					
B 1	0.0	84.8			
2	3.0	75.8	-8.9		
3	6.0	72.9	-3.0		
4	9.0	71.4	-1.4		
5	12.0	70.3	-1.2		
6	15.0	69.3	-1.0		
7	18.0	68.5	-0.7		
8	21.0	68.0	-0.5		
9	24.0	67.6	-0.4		
10	27.0	67.6	0.0		
11	30.0	67.2	-0.5		
C 12	31.3	67.5	0.3		
FIRST CLOSED-IN					
C 1	0.0	67.5			
2	1.0	863.5	796.1	0.9	1.530
3	2.0	1127.2	1059.8	1.9	1.216
4	3.0	1200.5	1133.1	2.7	1.059
5	4.0	1246.9	1179.4	3.6	0.944
6	5.0	1277.6	1210.1	4.3	0.859
7	6.0	1302.0	1234.5	5.1	0.791
8	7.0	1319.1	1251.6	5.7	0.738
9	8.0	1335.0	1267.6	6.3	0.693
10	9.0	1347.5	1280.1	7.0	0.650
11	10.0	1360.3	1292.8	7.6	0.614
12	12.0	1378.4	1310.9	8.7	0.557
13	14.0	1393.3	1325.8	9.7	0.510
14	15.0	1406.1	1338.7	10.6	0.470
15	18.0	1415.8	1348.3	11.4	0.438
16	20.0	1425.4	1357.9	12.2	0.409
17	22.0	1433.7	1366.2	12.9	0.384
18	24.0	1440.7	1373.2	13.6	0.362
19	26.0	1446.5	1379.1	14.2	0.343
20	28.0	1451.9	1384.4	14.8	0.326
21	30.0	1455.7	1388.3	15.3	0.310
22	35.0	1464.0	1396.5	16.5	0.277
23	40.0	1470.3	1402.8	17.6	0.251
24	45.0	1474.7	1407.2	18.4	0.229
25	50.0	1478.0	1410.5	19.2	0.211
26	55.0	1480.7	1413.3	19.9	0.195
D 27	59.6	1482.6	1415.1	20.5	0.183
SECOND FLOW					
E 1	0.0	87.5			
2	5.0	72.1	-15.4		
3	10.0	77.5	5.4		
4	15.0	81.8	4.4		
5	20.0	83.8	2.0		

REF	MINUTES	PRESSURE	AP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
SECOND FLOW - CONTINUED					
6	25.0	85.6	1.7		
7	30.0	89.4	3.8		
8	35.0	92.9	3.5		
9	40.0	94.4	1.6		
10	45.0	95.5	1.1		
11	50.0	96.7	1.2		
12	55.0	97.8	1.1		
F 13	59.9	99.0	1.2		
SECOND CLOSED-IN					
F 1	0.0	99.0			
2	1.0	773.2	674.2	1.0	1.967
3	2.0	1017.2	918.2	1.9	1.674
4	3.0	1091.6	992.6	2.9	1.496
5	4.0	1135.0	1036.0	3.8	1.378
6	5.0	1166.8	1067.8	4.8	1.281
7	6.0	1191.9	1092.9	5.7	1.206
8	7.0	1211.0	1112.0	6.5	1.145
9	8.0	1225.8	1126.9	7.3	1.094
10	9.0	1240.2	1141.3	8.2	1.048
11	10.0	1252.8	1153.8	9.0	1.004
12	12.0	1271.6	1172.6	10.6	0.934
13	14.0	1285.7	1186.8	12.1	0.876
14	16.0	1298.3	1199.3	13.6	0.825
15	18.0	1308.0	1209.0	15.0	0.783
16	20.0	1316.9	1218.0	16.4	0.744
17	22.0	1324.3	1225.3	17.7	0.712
18	24.0	1331.3	1232.3	19.0	0.681
19	26.0	1337.8	1238.8	20.2	0.653
20	28.0	1343.2	1244.2	21.4	0.629
21	30.0	1348.5	1249.5	22.6	0.606
22	35.0	1360.0	1261.0	25.3	0.557
23	40.0	1369.2	1270.2	27.8	0.516
24	45.0	1377.0	1278.0	30.1	0.481
25	50.0	1383.1	1284.1	32.3	0.450
26	55.0	1388.3	1289.3	34.3	0.424
27	60.0	1392.5	1293.5	36.2	0.401
28	70.0	1399.9	1300.9	39.6	0.362
29	80.0	1405.7	1306.7	42.6	0.330
30	90.0	1411.2	1312.2	45.3	0.304
31	100.0	1414.9	1315.9	47.7	0.281
32	110.0	1419.3	1320.4	49.8	0.262
G 33	119.2	1421.7	1322.7	51.7	0.247

REMARKS:



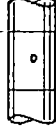












TICKET NO: 00887000
 CLOCK NO: 14285 HOUR: 12

GAUGE NO: 697
 DEPTH: 4925.0

REF	MINUTES	PRESSURE	AP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
FIRST FLOW					
B 1	0.0	87.5			
2	3.0	79.8	-7.6		
3	6.0	77.8	-2.0		
4	9.0	76.0	-1.9		
5	12.0	74.7	-1.3		
6	15.0	73.3	-1.4		
7	18.0	72.3	-1.0		
8	21.0	72.2	-0.1		
9	24.0	71.7	-0.5		
10	27.0	71.7	0.0		
11	30.0	71.9	0.2		
C 12	31.3	71.8	-0.1		
FIRST CLOSED-IN					
C 1	0.0	71.8			
2	1.0	1002.7	930.9	1.0	1.493
3	2.0	1166.2	1094.4	1.9	1.227
4	3.0	1234.4	1162.6	2.7	1.056
5	4.0	1272.5	1200.7	3.6	0.942
6	5.0	1297.1	1225.3	4.3	0.861
7	6.0	1319.5	1247.7	5.0	0.792
8	7.0	1335.8	1264.0	5.7	0.736
9	8.0	1349.4	1277.6	6.4	0.691
10	9.0	1360.9	1289.1	7.0	0.651
11	10.0	1371.0	1299.2	7.6	0.617
12	12.0	1387.6	1315.8	8.7	0.556
13	14.0	1400.6	1328.8	9.7	0.509
14	16.0	1411.6	1339.8	10.6	0.471
15	18.0	1421.7	1349.9	11.4	0.437
16	20.0	1429.8	1358.0	12.2	0.408
17	22.0	1437.0	1365.2	12.9	0.384
18	24.0	1443.2	1371.4	13.6	0.363
19	26.0	1448.7	1376.9	14.2	0.343
20	28.0	1453.4	1381.6	14.8	0.325
21	30.0	1457.5	1385.7	15.3	0.310
22	35.0	1465.0	1393.2	16.5	0.277
23	40.0	1470.6	1398.8	17.5	0.251
24	45.0	1475.2	1403.4	18.4	0.229
25	50.0	1478.5	1406.7	19.2	0.211
26	55.0	1481.3	1409.5	19.9	0.195
D 27	59.6	1483.2	1411.4	20.5	0.183
SECOND FLOW					
E 1	0.0	70.2			
2	5.0	75.2	5.0		
3	10.0	82.7	7.5		
4	15.0	86.2	3.6		
5	20.0	88.2	2.0		

REF	MINUTES	PRESSURE	AP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
SECOND FLOW - CONTINUED					
6	25.0	91.1	2.9		
7	30.0	95.8	4.7		
8	35.0	98.1	2.3		
9	40.0	99.3	1.2		
10	45.0	101.3	2.0		
11	50.0	102.3	1.0		
12	55.0	104.1	1.8		
F 13	59.9	104.6	0.6		
SECOND CLOSED-IN					
F 1	0.0	104.6			
2	1.0	809.6	704.9	1.0	1.961
3	2.0	1057.2	952.5	2.0	1.659
4	3.0	1115.9	1011.3	2.9	1.493
5	4.0	1156.3	1051.7	3.8	1.378
6	5.0	1184.8	1080.2	4.8	1.281
7	6.0	1205.3	1100.6	5.7	1.207
8	7.0	1223.8	1119.2	6.5	1.145
9	8.0	1237.0	1132.3	7.4	1.093
10	9.0	1250.0	1145.4	8.2	1.046
11	10.0	1260.3	1155.6	9.0	1.005
12	12.0	1277.1	1172.5	10.6	0.934
13	14.0	1290.6	1185.9	12.2	0.875
14	16.0	1301.6	1197.0	13.6	0.826
15	18.0	1312.0	1207.3	15.0	0.782
16	20.0	1320.1	1215.5	16.4	0.745
17	22.0	1327.4	1222.7	17.7	0.711
18	24.0	1333.9	1229.2	19.0	0.681
19	26.0	1339.5	1234.9	20.2	0.654
20	28.0	1345.8	1241.2	21.4	0.628
21	30.0	1350.6	1245.9	22.6	0.606
22	35.0	1361.1	1256.5	25.3	0.556
23	40.0	1369.4	1264.7	27.8	0.516
24	45.0	1376.0	1271.3	30.1	0.481
25	50.0	1382.6	1278.0	32.3	0.451
26	55.0	1388.0	1283.3	34.3	0.424
27	60.0	1392.4	1287.7	36.2	0.401
28	70.0	1399.3	1294.7	39.6	0.362
29	80.0	1405.0	1300.3	42.6	0.330
30	90.0	1407.9	1303.2	45.3	0.304
31	100.0	1412.7	1308.0	47.7	0.281
32	110.0	1417.2	1312.6	49.8	0.262
G 33	119.2	1420.8	1316.2	51.7	0.247

REMARKS:

		O.D.	I.D.	LENGTH	DEPTH	
1		DRILL PIPE.....	4.500	3.826	4336.0	
3		DRILL COLLARS.....	6.000	2.250	454.0	
50		IMPACT REVERSING SUB.....	6.000	2.750	1.0	4790.5
3		DRILL COLLARS.....	6.000	2.250	91.0	
5		CROSSOVER.....	6.000	2.250	1.0	
12		DUAL CIP VALVE.....	5.000	0.870	6.0	
60		HYDROSPRING TESTER.....	5.000	0.750	5.0	4893.0
80		AP RUNNING CASE.....	5.000	2.250	4.0	4895.0
15		JAR.....	5.000	1.750	5.0	
16		VR SAFETY JOINT.....	5.000	1.000	3.0	
70		OPEN HOLE PACKER.....	6.750	1.530	6.0	4910.0
70		OPEN HOLE PACKER.....	6.750	1.530	6.0	4916.0
20		FLUSH JOINT ANCHOR.....	5.000	2.370	4.0	
83		HT-500 TEMPERATURE CASE.....	5.000	2.650	2.0	4923.0
81		BLANKED-OFF RUNNING CASE.....	5.000		4.0	4925.0
TOTAL DEPTH						4928.0