

SUGGESTED FIELD DATA SHEET (Not Required To File)

660 FNL

1980 FEL

Type Test FOUR POINT ☒ Initial Annual ☐ Special ☐	Test Date	Lease No. or Serial No.
Company FRED POOL DRILLING COMPANY	Connection TRANSWESTERN PIPELINE	Attention
Field UNDESIGNATED	Reservoir ABO	Location J
Completion Date 2-1-81	Total Depth 3.750	Plug Back TD 3711
Perforations: From 3734	Perforations: To 3658	Elevation 3756 KB
Perforations: From 3675	Perforations: To ENDED	Sec. 19
Type Completion (Describe) SINGLE	Packer Set At NONE	County or Parish CHAPARRAL
Producing Thru TUBING	Reservoir Temp. F 98	Mean Annual Temp. F 60
Baro. Press. - P _a 13.2	% CO ₂	% N ₂
% H ₂ S	Prove	State NEW MEXICO
21"	FLANGE	

DATE	ELAP. TIME	Wellhead Working Pressure			METER OR PROVER				REMARKS
		Tbg. Psig.	Csg. Psig.	Temp. F	Pressure Psig.	Diff.	Temp. F	Orifice	
Time of Reading	Hrs.								(Include fluid production data: Type-A, P.L. Gravity-Amount)
	80 1/2	695		72	335	0	56	.375	100" X 1000" BARTON
0520	0	695		72	335	1.5	56	3/8	5/64
0535	1/4	690		76	335	12.0	54		
0550	1/2	685		78	335	11.5	52		
0605	3/4	675		79	335	15.5	51		
0620	1	670		79	335	15.5	51		END RATE 1
0635	1-1/4	665			335	30.5	50		07/64
0650	1-1/2	655		75	335	30.0	49		
0705	1-3/4	650		72	335	30.0	48		
0720	2	645		70	335	29.0	48		END RATE 2
0735	2-1/4	640		68	335	59.0	48		77/64
0750	2-1/2	630		67	330	58.0	48		
0805	2-3/4	625		67	330	56.5	48		
0820	3	615		67	330	56.5	48		END RATE 3
0835	3-1/4	605		67	330	95.5	48		73/64
0850	3-1/2	600		66	330	93.0	48		
0905	3-3/4	595		67	330	91.0	48		
0920	4	580		67	330	89	48		END RATE 4

NO FLUID IN TANK

SHUT IN: 0845 9-25-81

Page 1 of 1

Data By DON BENNETT

NEW-TEX LAB

P. O. BOX 1181
HOBBS, N.M. 88240

No. 5723
Run No. _____
Date of Run 9-30-81
Date Secured 9-28-81

CERTIFICATE OF ANALYSIS

A Sample of Fred Pool Corn Brothers Inc. Well #1
Secured from Bennett-Cathey
At Box 787 Secured by _____
Artesia, NM 88210 Time _____ Date _____
Sampling conditions: _____ Press _____
_____ Temp. _____

FRACTIONAL ANALYSIS

Percentage Composition

	MOL %	LIQ. %	G.P.M.
Carbon Dioxide	.102		
Air			
Nitrogen	3.604		
Oxygen			
Hydrogen sulfide			
Hydrogen			
Methane	86.975		
Ethane	5.132		1.369
Propane	2.053		.564
Butanes			
Iso Butane	.341		.111
PI Buta	.200		.220
Pentanes			
iso-Pentane	.242		.088
ni-Pentane	.260		.094
Hexanes	.197		.081
Heptanes	.394		.181
Octane			
TOTA	100.000		2.708

Calc. Sp. Gr. 0.6544
Calc. A.P.I. _____
Calc. Vapor Press. _____ PSIA
Sp. Gr. _____
Mol. Wt. 18.98

LIQUID CONTENT (GAL./MCF)

Propane Calc. G.P.M. .564
Butanes Calc. G.P.M. .131
Pentanes Plus. G.P.M. .444
Ethane Calc. G.P.M. 1.369
_____ RVP Gasoline G.P.M. _____
B.T.U./Cu. Ft. @ 14.696 P.S.I.A.
Dry Basis 1106
Wet Basis 1087
Sulfur Analysis by Titration
Gr./100 Cu. Ft. _____
Hydrogen Sulfide _____
Mercaptans _____
Sulfides _____
Residual Sulfur _____
Total Sulfur _____

Run by R.H. Hamilton Checked by Deane Simpson Approved by Deane Simpson

Additional Data and Remarks

COMPANY FRED POOL, JR. WELL NAME CORN BROTHERS, INC. WELL NO. 1
DATE OF TEST 9-28-81 FORMATION ABO PAGE 1 OF 1

ELEMENT NUMBER	RPG3 #9526	RANGE	8,100 LBS.
CLOCK NUMBER	20915	RANGE	12 HOURS
TIME WELL SHUT IN	0848 HOURS		9-25-81
TIME CLOCK STARTED	1027 HOURS		
DEAD WEIGHT ELEMENT ON SURFACE	708 P.S.I.A.		LBS.
TIME ELEMENT REACHED BOTTOM	1210 HOURS		
DEAD WEIGHT ELEMENT ON BOTTOM	700 P.S.I.A.		LBS.
ELEMENT SET AT	3739		FEET.
TEMPERATURE	3739	FT.	98 °F.
DEAD WEIGHT AT THE END OF	75 HOURS	22	MINUTES

Ward, Myers & Stetson, 1991

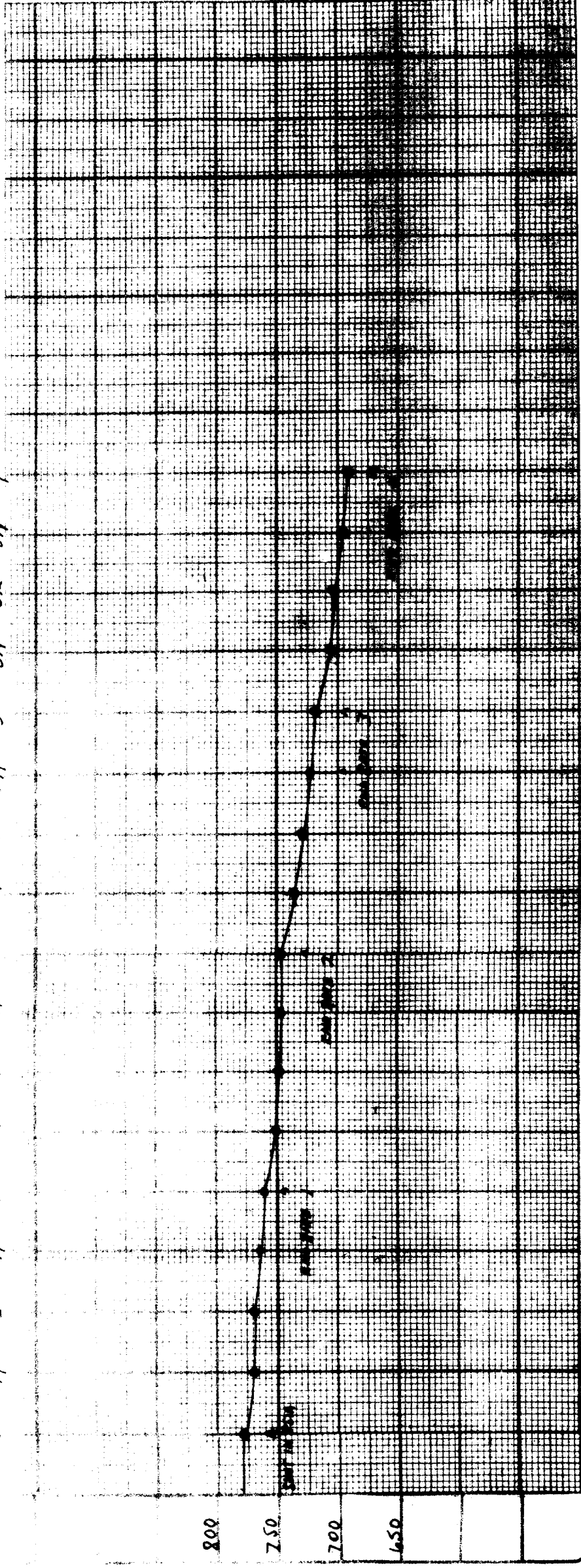
BENNETT.

CATHEY

WELL SERVICES

PRESSURE

0 1/4 1/2 3/4 1 1 1/4 1 1/2 1 3/4 2 2 1/4 2 1/2 3 3 1/4 3 3/4 4



[illegible]

2000

Figure 1. The effect of the concentration of the *Agrobacterium* suspension on the transformation efficiency of *Agrobacterium* strains. The concentration of the *Agrobacterium* suspension was 10⁶ cells/ml (a), 10⁷ cells/ml (b), 10⁸ cells/ml (c), and 10⁹ cells/ml (d). The concentration of the *Agrobacterium* suspension was 10⁶ cells/ml (a), 10⁷ cells/ml (b), 10⁸ cells/ml (c), and 10⁹ cells/ml (d). The concentration of the *Agrobacterium* suspension was 10⁶ cells/ml (a), 10⁷ cells/ml (b), 10⁸ cells/ml (c), and 10⁹ cells/ml (d). The concentration of the *Agrobacterium* suspension was 10⁶ cells/ml (a), 10⁷ cells/ml (b), 10⁸ cells/ml (c), and 10⁹ cells/ml (d).

[illegible]

SONY 1005 SCHOOL

CORK BROTHERS, INC.

WIRELESS TELETYPE WIRE LINE SERVICE
 5-5746228

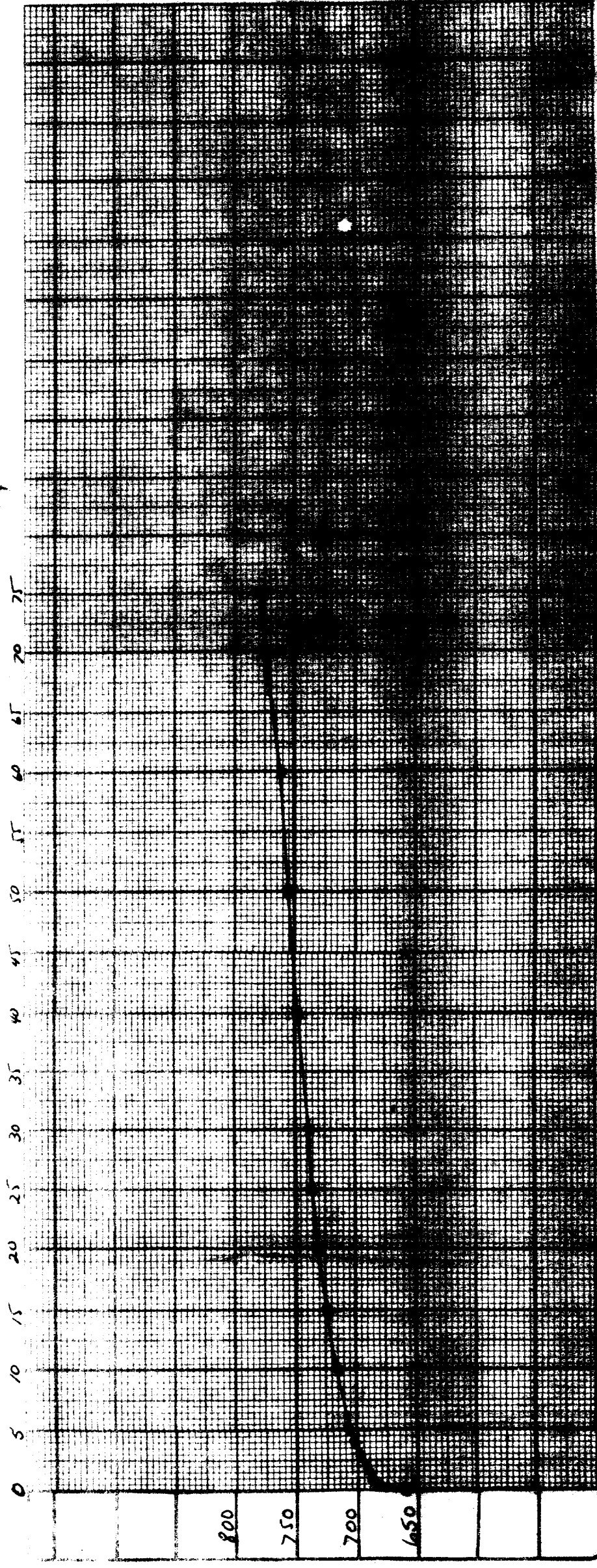
100
 90
 80
 70
 60
 50
 40
 30
 20
 10
 0

100
 90
 80
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 20
 10
 0

100

**BENNETT-
CATHEY
WELL SERVICES**

0
1
2
3
4
5
6
7
8
9





BENNETT-CATHEY WIRE LINE SERVICE



P. O. BOX 787
ARTESIA, NEW MEXICO 88210
Phone 746-3281

BOTTOM HOLE PRESSURE SURVEY REPORT

OPERATOR FRED POOL, JR.
LEASE CORN BROTHERS, INC.
WELL NO. 1
DATE 9-28-81 FORMATION ABO TIME 1210 HOURS
STATUS SHUT IN TEST DEPTH 3,739
TIME S.I. 0848 HOURS LAST TEST DATE 2-9-81
CAS. PRES. 9-25-81 BHP LAST TEST 1075
TUB. PRES. 708 BHP CHANGE -297
FLUID TOP
DATUM PLANE WATER TOP
DATUM PSIA 778 RUN BY STEVE HARWELL
TEMP 98 PRESSURE RANGE 8,100
CLOCK NO.
ELEMENT NO. RPG3 #9526

DEPTH	PRESSURE	GRADIENT
0	708	
1,000	724	1.6
2,000	730	1.9
3,000	762	1.9
3,589	772	1.7
3,739	778	4.0

TIME B.H.P. MEASURED: 1210 HOURS

LENGTH OF TIME WELL SHUT IN: 75 HOURS
22 MINUTES

