

BENNETT - CATHEY
Artesia, New Mexico 88210
SUBSURFACE PRESSURE MEASUREMENTS

COMPANY FRANKS PETROLEUM CORPORATION WELL NAME UNION FEDERAL WELL NO. 1
DATE OF TEST 12-16-81 TO 12-19-81 FORMATION MORROW MIDDLE PAGE 1 OF 2

CHART READINGS AND CALCULATIONS FOR BUILDUP OR DRAWDOWN TEST

ELEMENT NUMBER RPG3 #21034 RANGE 0-8,000 LBS.
CLOCK NUMBER H9499 RANGE 90 HOURS
TIME WELL SHUT IN N.A.
TIME CLOCK STARTED 0712 HOURS
DEAD WEIGHT ELEMENT ON SURFACE 4140 LBS.
TIME ELEMENT REACHED BOTTOM 1013
DEAD WEIGHT ELEMENT ON BOTTOM 1013 LBS.
ELEMENT SET AT 14,174 FEET.
TEMPERATURE 14,174 FT. 238 °F.
4481 PSIA DEAD WEIGHT AT THE END OF 46 HOURS 30 MINUTES.

DATE	HOUR	TIME	DEFLECTION in/inches	CALCULATED PRESSURE psig	CORRECTION P ± PC psig	CORRECTED PRESSURE psia	PRESSURE AT MID-POINT OF PERFORATIONS psia
12-17-81	0	1013		5995	13.2	6008	
	0	1115		5977	13.2	5990	
	1/4	1130		5619	13.2	5632	
	1/2	1145		5572	13.2	5585	
	3/4	1200		5574	13.2	5587	
END RATE 1	1	1215		5579	13.2	5592	
	1-1/4	1230		5184	13.2	5197	
	1-1/2	1245		5160	13.2	5173	
	1-3/4	1300		5221	13.2	5234	
END RATE 2	2	1315		5451	13.2	5470	
	2-1/4	1330		5022	13.2	5035	
	2-1/2	1345		4727	13.2	4740	
	2-3/4	1400		4621	13.2	4634	
END RATE 3	3	1415		4578	13.2	4591	
	3-1/4	1430		4184	13.2	4197	
	3-1/2	1445		4180	13.2	4193	
	3-3/4	1500		4192	13.2	4205	
END RATE 4	4	1515		4196	13.2	4209	
	4-1/4	1530		3895	13.2	3908	
	4-1/2	1545		3887	13.2	3900	
	4-3/4	1600		3907	13.2	3920	
END RATE 5	5	1615		3916	13.2	3929	
START BUILDUP	0	1615		3916	13.2	3929	
	10 MIN	1625		5070	13.2	5083	
	20	1635		5696	13.2	5709	
	30	1645		5920	13.2	5933	
	40	1655		5936	13.2	5949	
	50	1705		5949	13.2	5962	
	1 HR.	1715		5951	13.2	5964	
	1-1/4	1730		5957	13.2	5970	
	1-1/2	1745		5959	13.2	5972	
	1-3/4	1800		5962	13.2	5975	
	2	1815		5965	13.2	5978	
	3	1915		5965	13.2	5978	
	4	2015		5965	13.2	5978	
	5	2115		5966	13.2	5979	

SUBSURFACE PRESSURE MEASUREMENTS

CHART READINGS AND CALCULATIONS FOR BUILDUP OR DRAWDOWN TEST

[illegible]

TEST DEPTH: 14,174 FEET

ELEMENT NO.: RFG3 #21034

RANGE: 8,000 LBS.

CLOCKS: H9499

RANGE: 90 HOURS

OPERATOR: BO FAULKENBERRY

Note: See Attached Sheet for Tabulation of Pressure
And Time.

KLON FRAMM

FRANK'S PETROLEUM

UNION FEDERAL WELL NO. 1

BENNETT-CATHEY WIRE LINE SERVICE

Box 787

Artesia, N.M. 88210

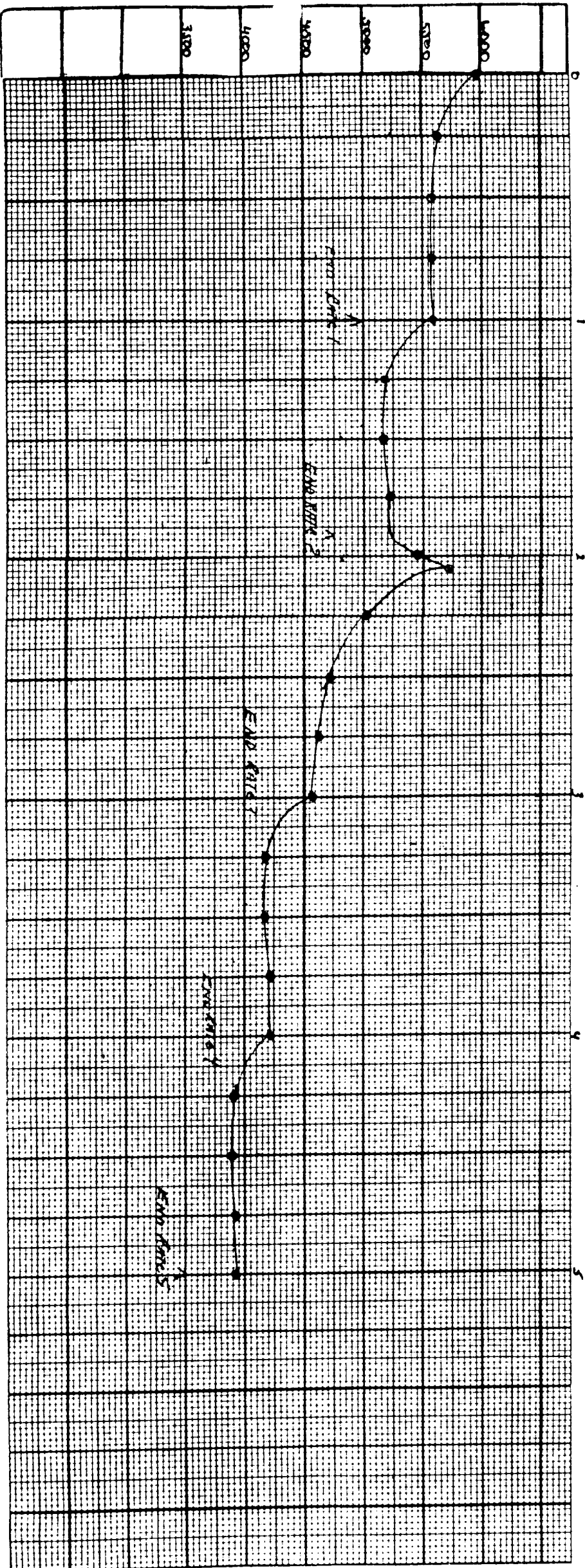
505/746-3281

Drawn By

Scale: As Shown

BENNETT-
CATHEY
WELL SERVICES

TIME IN HOURS



PRESSURE

TEST DEPTH: 14, 17 1/4 FEET
ELEMENT NO.: RFG #21034
RANGE: 8,000 LBS.
CLOCKS: H9499
RANGE: 90 HOURS
OPERATOR: BO FAULKENBERRY
Note: See Attached Sheet for Tabulation of Pressure
And Time.

UNION FEDERAL WELL NO. 1

FRANK'S PETROLEUM

BENNETT-CATHEY WIRE LINE SERVICE
Box 787
Artesia, N.M. 88210
505/746-3281

Drawn By
Scale: As Shown

BENNETT-CATHEY
WELL SERVICES

