

11/26/96

NEW MEXICO OIL CONSERVATION COMMISSION
MULTI-POINT BACK PRESSURE TEST FOR GAS WELL

Form O-122
Revised 12-1-55

Well No. <u>11-1-55</u>		Formation <u>U. - T. - T. - T.</u>		County <u>San Juan</u>	
Initial <u>X</u>	Annual	Special	Date of Test: <u>5-10-59</u>		
Company <u>Phillips 1. 1. 1.</u>		Lease <u>Shogren</u>		Well No. <u>5</u>	
Dist. <u>A</u>	Sec. <u>14</u>	Twp. <u>30N</u>	Range	Purchaser	
Depth <u>277</u>	Wt. <u>20"</u>	I.D.	Set at <u>225</u>	Perf. <u>385</u>	To <u>575</u>
Temp. <u>110.2</u>	Wt.	I.D.	Set at	Perf.	To
Oil Pay: From <u>0</u> To <u>245</u>	L	G	GL	Bar. Press.	
Producing Through:		Casing	Tubing	Type Well - Single - Braden head - G.C. or G.C. Dual	
Depth: Completion <u>11-1-55</u>	Packer		Reservoir Temp.		

OBSERVED DATA

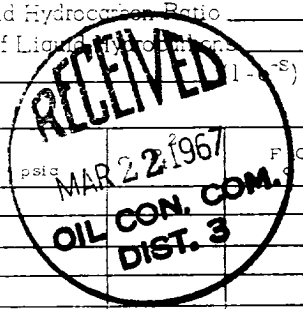
Type of Taps									
Prover <input checked="" type="checkbox"/>	Choke <input type="checkbox"/>	Meter <input type="checkbox"/>							
FLOW DATA					TUBING DATA		CASING DATA		DURATION OF FLOW HR.
(Prover) (Name) Size	(Choke) (Orifice) Size	Press. psig.	Diff. h.w.	Temp. °F.	Press. psig.	Temp. °F.	Press. psig.	Temp. °F.	

FLOW CALCULATIONS

Q	Coefficient (24 Hour)	$\sqrt{P_w P_t}$	Pressure psia	Flow Temp. Factor F_t	Gravity Factor F_g	Compress. Factor F_{pv}	Rate of Flow Q-MCF PD @ 15,025 psia
1							
2							
3							
4							
5							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio _____ ci/bbl. Specific Gravity Separator Gas _____
 Gravity of Liquid Hydrocarbon _____ deg. Specific Gravity Flowing Fluid _____
 P_c _____ P_c^2 _____



Q	$P_w P_t$ psia	FO	$(FO)^2$	$(F_c Q)^2 (1-e^{-s})$	P_w^2	$P_c^2 - P_w^2$	Cal P_w	$\frac{P}{Q}$
1								
2								
3								
4								
5								

ABSOLUTE POTENTIAL: 440 MCFPD; n _____

COMPANY Thomas A. Dent WITNESSED _____

ADDRESS Phillips 1. 1. 1. COMPANY _____

AGENT AND TITLE _____

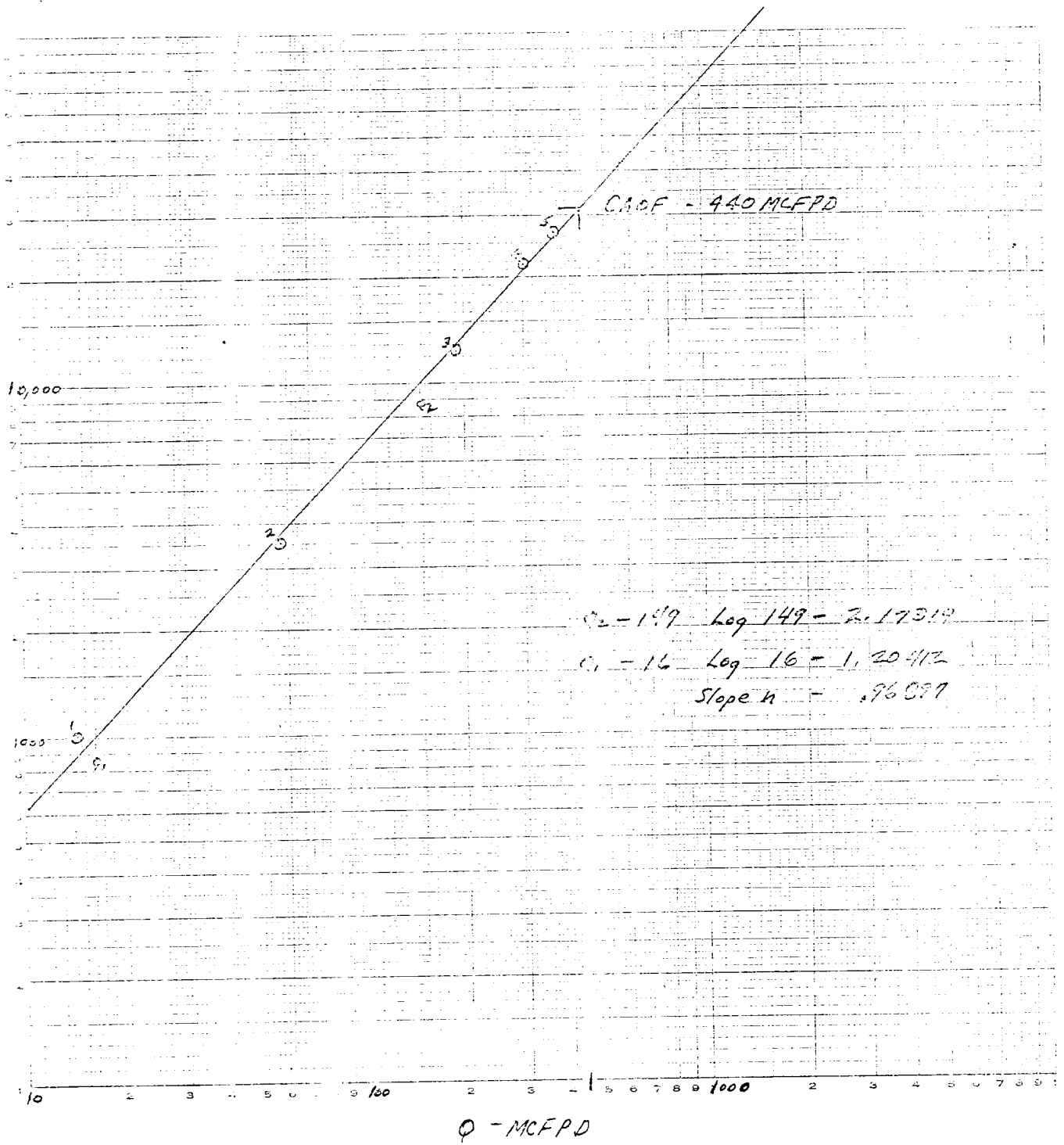
MINI-POINT BACK PRESSURE TEST

Thomas A. Dugan - Shiprock #3

Sec. 14, T30N, R18W, San Juan County, New Mexico

DATE: 10/11/66 TIME: 10:00 AM

Pressure 7190 psig



REPORT OF ANALYSIS

F.S.N.- 10746 M.S.N.-26719 OBS. PRES. 69.9 CAL. PRES. 69.27
 STATE- NEW MEXICO COUNTY- SAN JUAN
 FIELD- WILDCAT WELL NAME-SHEPROCK NO. 3
 LOCATION-SEC. 14, T30N, R18W OWNER- THOMAS A. DUGAN
 DATE COMPLETED- DATE SAMPLED- 10-14-66
 SAMPLED BY- JIM JACOBBS
 NAME OF PRODUCING FORMATION- TOCITO
 DEPTH IN FEET- 370 THICKNESS IN FEET- 10
 SPOT IN WELLHEAD PRES., PSIG- OPEN FLOW, MCF/D-

CHECK OF DATA-
 THE WELL DATA ARE ACCURATE,WITHOUT CORRECTION,AS CORRECTED ABOVE.

REMARKS-

ANALYSIS-

METHANE	92.4 %	NORMAL PENTANE	0.0 %	OXYGEN	0.0 %
ETHANE	1.1 %	ISOPENTANE	0.0 %	ARGON	0.0 %
PROPANE	TRACE %	CYCLOPENTANE	0.0 %	HYDROGEN	0.0 %
NORMAL BUTANE	0.0 %	HEXANES PLUS	0.0 %	H2S	0.0 %
ISOBUTANE	0.0 %	NITROGEN	1.1 %	CO2	5.4 %
SPECIFIC GRAV	.617			HELIUM	TRACE %
				TOTAL	100.0 %

CALCULATED GROSS BTU/CL FT, DAY AT 60 DEG F AND 30 IN. MERCURY- 956.

PERMISSION FOR RELEASE-
 PERMISSION IS HEREBY GRANTED FOR THE BUREAU OF MINES TO RELEASE THE ABOVE
 DATA, TOGETHER WITH SIMILAR DATA RELEASED BY OTHER OPERATORS AS PUBLIC
 INFORMATION AND AS PARTS OF A SERIES OF PAPERS ON ANALYSES OF GASES FROM
 VARIOUS FIELDS, STATES, OR REGIONS.

COMPANY.....
 BY.....
 TITLE.....