

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 3-3-88	
Company C.W. Trainer			Connection Llano		
Pool Undesignated N. Vacuum			Formation Atoka		Unit
Completion Date 2-20-88		Total Depth 12,150'		Plug Back TD 12121	Elevation 3984.3
Farm or Lease Name Betty State					
Csq. Size 5 1/2"	Wt. 17#	d 4.892	Set At 12150	Perforations: From 12006 To 12021	
Well No. 1					
Thq. Size 2 7/8"	Wt. 6.5#	d 2.441	Set At 11957	Perforations: From Open-Ended	
Unit L	Sec. 16	Twp. 17-S	Rge. 35E		
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Single				Packer Set At 11922	
County Lea					
Producing Thru Tubing		Reservoir Temp. °F 194° @ 11955		Mean Annual Temp. °F 60°	
Baro. Press. - P _a 13.2		State N.M.			
L 11957	H 11957	Gg .633	% CO ₂ 0.397	% N ₂ 0.781	% H ₂ S
Prover		Meter Run 3.068		Taps Flange	
FLOW DATA					
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w
SI					Temp. °F
1.	3	X	1.000	585	4.00
2.	3	X	1.000	600	20.00
3.	3	X	1.000	585	34.00
4.	3	X	1.000	585	46.00
5.					
TUBING DATA					
				Press. p.s.i.g.	Temp. °F
				1572	
				1444	
				1278	
				1117	
				870	
CASING DATA					
				Press. p.s.i.g.	Temp. °F
				PKR	CHOKE
					6/64
					9/64
					11/64
					14/64
RATE OF FLOW CALCULATIONS					
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g
				Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	4.789	48.92	59	.9962	1.257
2	4.789	110.74	613.2	.9535	1.257
3	4.789	142.61	598.2	.9619	1.257
4	4.789	165.88	598.2	.9786	1.257
5					
NO.	R _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.	.89	524	1.42	.888	A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.	.91	572	1.55	.910	Specific Gravity Separator Gas .633 X X X X X X X X
3.	.89	562	1.52	.912	Specific Gravity Flowing Fluid X X X X X
4.	.89	543	1.47	.900	Critical Pressure 670 P.S.I.A.
5.					Critical Temperature 368 P.S.I.A.
					R _____ R
P _c 1585.2 P _c ² 2512.9					
NO.	P _i ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.772$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.331$
1	2256.2	1576.2	2484.4	28.5	
2	2101.2	1405.2	1974.6	538.3	
3	1866.2	1249.4	1561.0	951.9	
4	1653.2	1032.7	1066.5	1418.4	
5	1358.2				
Absolute Open Flow 1,371 Mcfd @ 15.025 Angle of Slope @ 63.5 Slope, n .500					
Remarks: * Shut-in BHP Test calculated from known BHP.					
** Flowing BHP'S					
No Fluid Produced during Test.					
Approved By Commission:		Conducted By:		Calculated By:	
		W.S.		B.M.	
				B.M.	

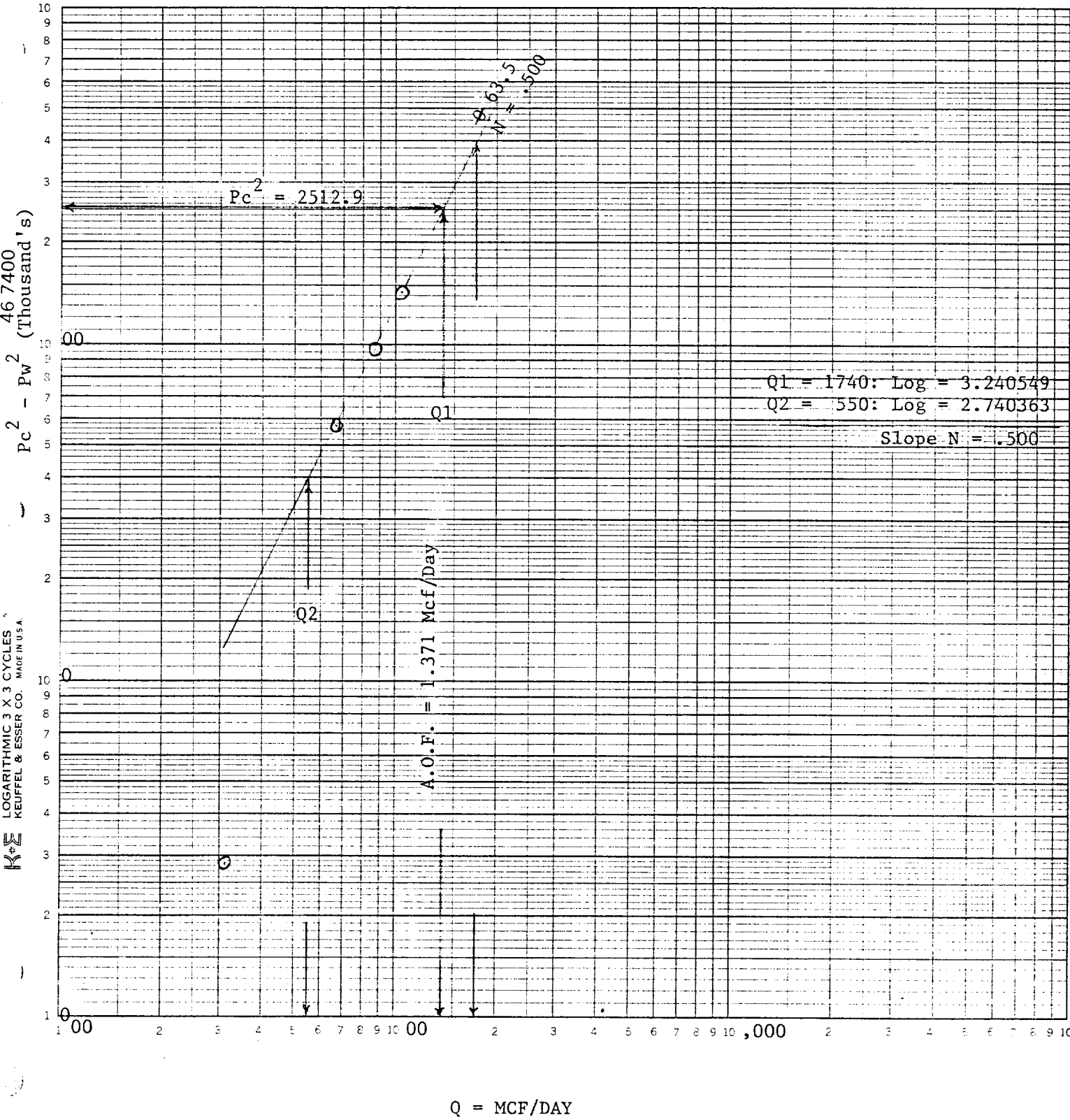
RECEIVED

MAR 7 - 1988

OCD

HOBBS OFFICE

C.W. TRAINER
BETTY STATE NO. 1
L-16-17S-35E.
Lea County, New Mexico
March 3, 1988



RECEIVED

MAR 7 - 1988

OCD

MOBBS OFFICE

WORK SHEET FOR CALCULATION OF WELLHEAD PRESSURES (P_f or P_s)
FROM KNOWN BOTTOM HOLE PRESSURE (P_f or P_s)

Form C-122F
Adopted 9-1-65

COMPANY C. W. TRIMMER LEASE ELBERT STONE WELL NO. 1 DATE 3-3-66
LOCATION: Unit _____ Section 16 Township 11 S Range 36 E
T. 11 S H. 11 S L/H 1660 G. 655 % CO₂ 0.59% % N₂ 0.98% % H₂S _____

GH 7568.78 P_{CT} 690 T_{CT} 368
TABLE IX & X
157 200 200 200

.NE	1	2	3	4	5	6	7	8
1 T _w (W.H. °R)	554	554	554	554	554	554	554	554
2 T _s (B.H. °R)	654	654	654	654	654	654	654	654
3 T _f ($\frac{T_w + T_s}{2}$)	594	594	594	594	594	594	594	594
4 Z (Est.)	1853	1831	1865	1842	1898	1852	1900	1892
5 TZ	506.6	493.6	513.8	506.1	521.5	516.9	524.6	519.0
6 GH/TZ	13.775	15.233	14.781	15.123	14.592	14.938	14.159	14.622
7 e ^s (Table XIV)	1.676	1.799	1.737	1.763	1.713	1.751	1.700	1.738
8 P _f or P _s	2101.2	2101.2	1866.2	1866.2	1653.2	1653.2	1258.2	1358.2
9 P _f ² or P _s ²	4415.0	4415.0	3482.7	3482.7	2728.1	2728.1	1594.9	1840.9
10 P _f ² = P _f ² /e ^s or P _w ² = P _s ² /e ^s	2633.8	2484.3	2004.5	1954.3	1555.4	1560.4	934.0.8	1056.5
11 P _c or P _w	1622.9	1596.2	1415.8	1405.8	1259.0	1259.0	1146.5	1032.7
12 P _w = ($\frac{P_w + P_s}{2}$) or ($\frac{P_c + P_f}{2}$)	1882.0	1838.7	1601.0	1620.9	1466.3	1466.3	1344.4	1195.5
13 P _f = (P/P _{CT})	2.977	2.994	2.944	2.944	2.17	2.13	1.794	1.908
14 T _f = (T/T _{CT})	1.61	1.61	1.61	1.61	1.61	1.61	1.61	1.61
15 Z (Table XI)	.831	.831	.842	.842	.853	.853	.872	.892

RECEIVED

MAR 7 - 1988

OCD

HOBBS OFFICE

OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-103
Revised 10-1-78

NO. OF COPIES RECEIVED		
DISTRIBUTION		
SANTA FE		
FILE		
U.S.G.S.		
LAND OFFICE		
OPERATOR		

5a. Indicate Type of Lease State ☒ Fee ☐	
5. State Oil & Gas Lease No. V-1792	
7. Unit Agreement Name	
8. Farm or Lease Name Betty State	
9. Well No. 1	
10. Field and Pool, or Wildcat No. Vacuum Atoka-Morrow	
12. County Lea	

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR.
USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL ☐ GAS WELL ☒ OTHER- 2. Name of Operator C. W. Trainer 3. Address of Operator c/o Oil Reports & Gas Services, Inc., Box 755, Hobbs, NM 88241 4. Location of Well UNIT LETTER L, 1980 FEET FROM THE South LINE AND 660 FEET FROM THE West LINE, SECTION 16 TOWNSHIP 17 S RANGE 35 E NMPM.	15. Elevation (Show whether DF, RT, GR, etc.) 3965.8 GL
--	--

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK ☐	REMEDIAL WORK ☐
TEMPORARILY ABANDON ☐	COMMENCE DRILLING OPNS. ☒
PULL OR ALTER CASING ☐	CASING TEST AND CEMENT JOB ☒
OTHER ☐	OTHER ☐
PLUG AND ABANDON ☐	ALTERING CASING ☐
CHANGE PLANS ☐	PLUG AND ABANDONMENT ☐

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

Spud 2:00 PM 1/10/88. Cemented 13 3/8" H-40 48# casing at 494 with 275 sacks Pacesetter Lite with 1/4# per sack celloseal, tailed with 200 sacks Class "C" with 2% calcium chloride. Plug down 2:33 AM 1/11/88. Circulated 50 sacks. WOC 11 hours, test casing with 500# for 30 minutes, test O.K.

Cemented 8 5/8" 20# and 32# K-55 casing at 4914 with 2000 sacks Pacesetter Lite with 6# salt per sack and 1/4# celloseal per sack, tailed with 200 sacks Class "C" with 1/4# celloseal per sack. Plug down 4:30 PM 1/21/88. Circulated 55 sacks. WOC 12 1/2 hours, test casing with 500# for 30 minutes, test O.K.

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED W. Allen Holbo TITLE Agent DATE 1/28/88
ORIGINAL SIGNED BY JERRY SEXTON
DISTRICT 1 SUPERVISOR
PROVED BY _____ TITLE _____ DATE JAN 29 1988
CONDITIONS OF APPROVAL, IF ANY:

REC-100-100
JAN 23 1973
FBI - NEW YORK

RECEIVED FROM THE DIRECTOR
JAN 23 1973