

N. M. O. C. C. COPY
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
SUBMIT IN DUPLICATE.
(See other instructions on reverse side)Form approved.
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other _____
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other _____

2. NAME OF OPERATOR

J. Frank Stringer

3. ADDRESS OF OPERATOR

P. O. Box 3037, San Angelo, Texas

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface 660' FSL & 660' FWL Sec. 17, T12S, R31E

At top prod. interval reported below

At total depth

Same

Same

14. PERMIT NO.

NA

DATE ISSUED

7-27-70

12. COUNTY OR PARISH

Chaves

13. STATE

New Mexico

15. DATE SPUDDED

7-30-70

16. DATE T.D. REACHED

8-9-70

17. DATE COMPL. (Ready to prod.)

9-25-70

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*

4084GL (4094 DF)

19. ELEV. CASINGHEAD

4085'

20. TOTAL DEPTH, MD & TVD

4060'

21. PLUG, BACK T.D., MD & TVD

2576'

22. IF MULTIPLE COMPL., HOW MANY*

--

23. INTERVALS DRILLED BY

ROTARY TOOLS

0-4060'

CABLE TOOLS

-

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

2535 to 2542

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

Density, Laterolog, Micro Lateral

27. WAS WELL CORED

Yes

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8	20	295	12 1/4	200 sacks	0
4 1/2	9.5	2607	7 7/8	350 sacks	0

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
-	-	-	-	-

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
-	-	-

31. PERFORATION RECORD (Interval, size and number)

2535 - 2542

2 shots per foot

3/8 diam. holes

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
2535-2542	500 gallons regular acid
	15,000 gal. crude oil with
	22,500 lbs. sand

33.* PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)					WELL STATUS (Producing or shut-in)	
9-15-70		Flow					Shut-in	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO	
9-15-70	1/2	3/8	→	0	45.1	0	-	
FLOW, TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)		
-	695	→	0	2,167.5	0	-		

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Shut-in

TEST WITNESSED BY
Neil Tefteller

35. LIST OF ATTACHMENTS

4 Point Test, Bottom Hole Pressure

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

TITLE

Geologist

DATE

9-24-70

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES:

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
CORE #1 Queen	2550	2596	No Drill Stem Test Red Shale & Salt & Anhydrite (no shows)

38.

GEOMARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Rustler	1005	Straight
Salt	1080	Hole
Tansil	1650	
Yates	1790	
Seven Rivers	2005	
Queen	2508	
Grayburg	2645	
San Andres	3130	
P. Marker	3605	

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
 Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 9-15-70	
Company The Stringer Company		Connection	
Pool Wildcat		Formation Queen	
Completion Date		Total Depth	Unit
		Plug Back TD 2587	Elevation 4094 KB
Farm or Lease Name Terra Federal		Well No. 1	
Csg. Size 4.5	Wt. d	Set At 2607	Perforations: From 2535 To 2542
Tbg. Size	Wt. d	Set At	Perforations: From To
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single Gas		Packer Set At	Unit Sec. Twp. Rge. SW 1/4 17 12S 31E
Producing Thru Casing	Reservoir Temp. °F 89 @ 2439	Mean Annual Temp. °F	Baro. Press. - P _a 13.2
State New Mexico		County Chaves	
L	H	Gg	% CO ₂ % N ₂ % H ₂ S
Prover		Meter Run Taps	
X			

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
SI											
1.	2"		1/8	698.2			No Tubing		807		
2.	2"		3/16	718.2					685	70	1 hr
3.	2"		1/4	723.2					705	70	1 hr
4.	2"		3/8	708.2					710	70	1 hr
5.									695	70	1/2 hr

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	0.2648		698.2	.9905	1.195	1.087	237.9
2	0.6082		718.2	.9905	1.195	1.087	562.1
3	1.087		723.2	.9905	1.195	1.087	1011.7
4	2.378		708.2	.9905	1.195	1.087	2167.5
5							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Dry Gas	Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons	None	
2.					Specific Gravity Separator Gas	0.700	XXXXXXX
3.					Specific Gravity Flowing Fluid	XXXXX	0.700
4.					Critical Pressure	P.S.I.A.	P.S.I.A.
5.					Critical Temperature	R	R

NO.	P _t ²	P _w ²	P _s ²	P _f ² - P _s ²
1	943.2	890	108	XXXXX
2	926.2	858	140	
3	918.2	843	155	
4	898.2	807	191	
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$ _____

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$ _____

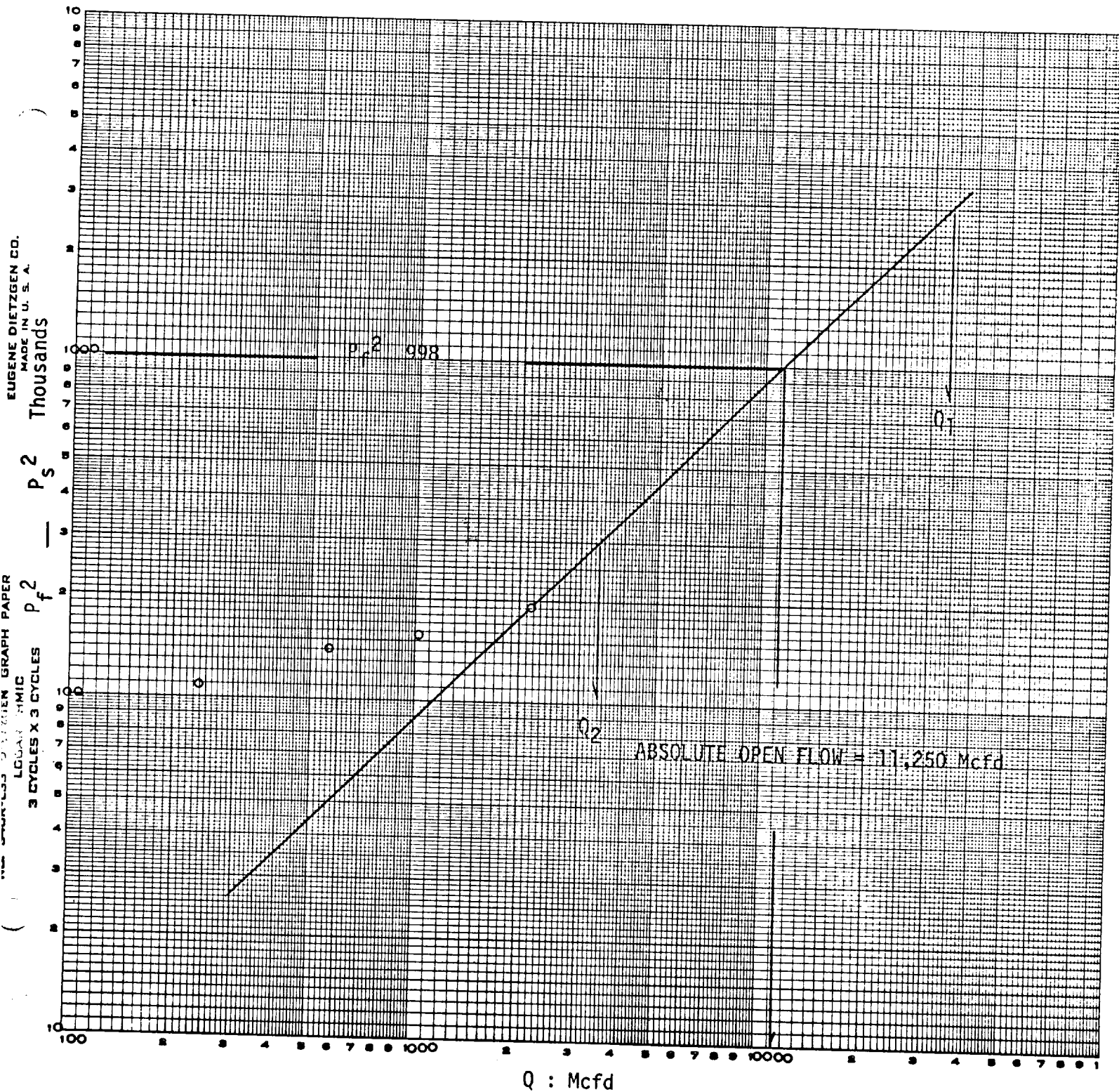
(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$ _____

Absolute Open Flow	11,250 Mcfd @ 15.025	Angle of Slope	45°	Slope, n	1.000
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Remarks: Well cleaning up throughout test.

Approved By Commission:	Conducted By: Tefteller, Inc.	Calculated By: Neil Tefteller	Checked By:
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Company : The Stringer Company
 Well : Terra Feder No. 1
 Location : SW $\frac{1}{4}$ 17 12S 31E
 County : Chaves
 Date : 9-15-70



$$Q_1 = 34,000 \text{ Mcfd} : \text{Log } Q_1 = 5.53148$$

$$Q_2 = 3,400 \text{ Mcfd} ; \text{Log } Q_2 = 4.53148$$

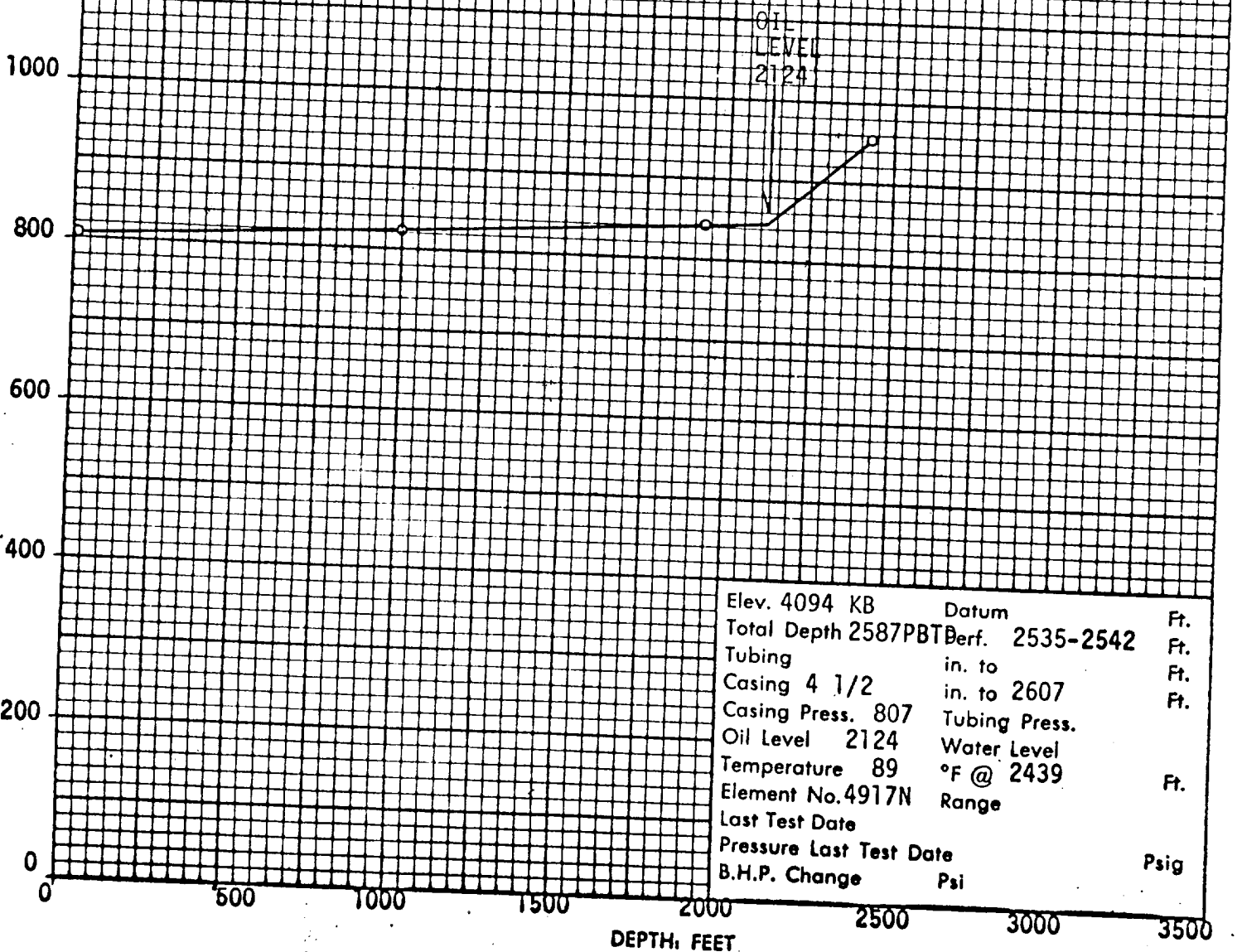
$$n = 1.0000$$

Company THE STRINGER COMPANY Lease TERRA FEDERAL Well No. 1
 Field WILDCAT WELL County CHAVES State NEW MEXICO
 Formation QUEEN Test Date SEPTEMBER 15, 1970

Status of Well Shut in 96 hrs

DEPTH Feet	PRESSURE Psig	GRADIENT Psi/Ft.
10	807	
1000	822	0.015
1939	841	0.020
2439	955	0.228
2539 Mid-Perf	986	0.350

Datum Pressure Psig



Elev. 4094 KB	Datum	Ft.
Total Depth 2587PBT	Berf. 2535-2542	Ft.
Tubing	in. to	Ft.
Casing 4 1/2	in. to 2607	Ft.
Casing Press. 807	Tubing Press.	
Oil Level 2124	Water Level	
Temperature 89	°F @ 2439	Ft.
Element No. 4917N	Range	
Last Test Date		
Pressure Last Test Date		Psig
B.H.P. Change	Psi	

RECEIVED

SEP 29 1970
OIL CONSERVATION COM. A.
13.2.1.1.1.

RECEIVED

SEP 29 1970

O. C. C.
ARTESIA, OFFICE