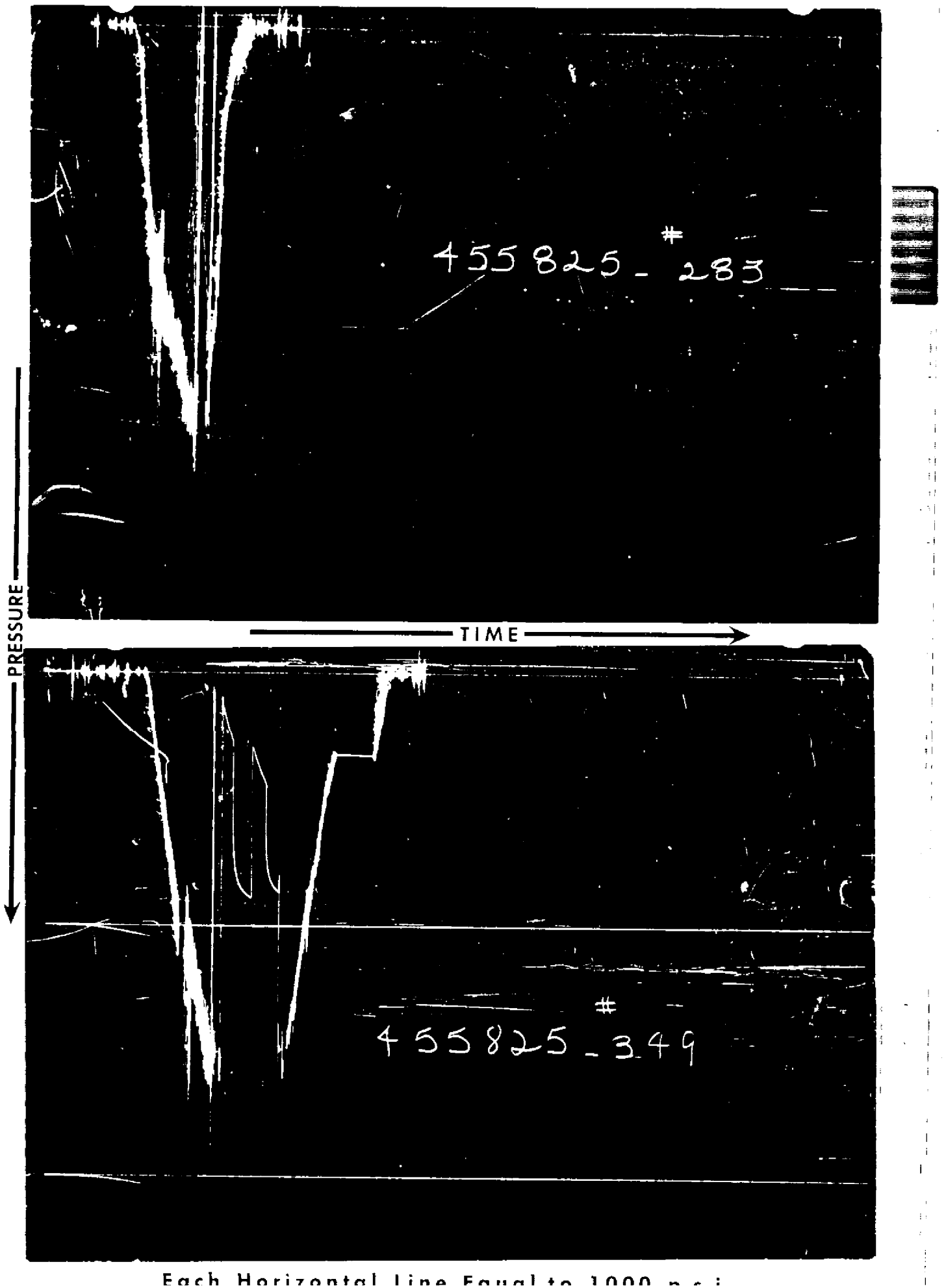

Each Horizontal Line Equal to 1000 p.s.i.

NOMENCLATURE

b	= Approximate Radius of Investigation	Feet
b_1	= Approximate Radius of Investigation (Net Pay Zone h_1)	Feet
D.R.	= Damage Ratio	—
El	= Elevation	Feet
GD	= B.T. Gauge Depth (From Surface Reference)	Feet
h	= Interval Tested	Feet
h_1	= Net Pay Thickness	Feet
K	= Permeability	md
K_1	= Permeability (From Net Pay Zone h_1)	md
m	= Slope Extrapolated Pressure Plot (Psi^2/cycle Gas)	psi/cycle
OF_1	= Maximum Indicated Flow Rate	MCF/D
OF_2	= Minimum Indicated Flow Rate	MCF/D
OF_3	= Theoretical Open Flow Potential with/Damage Removed Max.	MCF/D
OF_4	= Theoretical Open Flow Potential with/Damage Removed Min.	MCF/D
P_s	= Extrapolated Static Pressure	Psig.
P_f	= Final Flow Pressure	Psig.
P_{ot}	= Potentiometric Surface (Fresh Water *)	Feet
Q	= Average Adjusted Production Rate During Test	bbls/day
Q_1	= Theoretical Production w/Damage Removed	bbls/day
Q_g	= Measured Gas Production Rate	MCF/D
R	= Corrected Recovery	bbls
r_w	= Radius of Well Bore	Feet
t	= Flow Time	Minutes
t_p	= Total Flow Time	Minutes
T	= Temperature Rankine	°R
Z	= Compressibility Factor	—
μ	= Viscosity Gas or Liquid	CP
Log	= Common Log	

* Potentiometric Surface Reference to Rotary Table When Elevation Not Given, Fresh Water Corrected to 100° F.

FLUID SAMPLER DATA

Sampler Pressure _____ P.S.I.G. at Surface
Recovery: Cu. Ft. Gas _____
cc. Oil _____
cc. Water _____
cc. Mud _____
Tot. Liquid cc. _____
Gravity _____ ° API @ _____ °F.
Gas/Oil Ratio _____ cu. ft./bbl.

	RESISTIVITY	CHLORIDE CONTENT
Recovery Water	____ @ ____ °F.	____ ppm
Recovery Mud	____ @ ____ °F.	
Recovery Mud Filtrate	____ @ ____ °F.	____ ppm
Mud Pit Sample	____ @ ____ °F.	
Mud Pit Sample Filtrate	____ @ ____ °F.	____ ppm
Mud Weight	9.4 vis 42 cp	

Date 11-7-71 Ticket Number 455825
Kind of Job OPEN HOLE Halliburton District FARMINGTON
Tester PULTE Witness WILLIAMS
Drilling Contractor STEWART BROTHERS DRILLING COMPANY

EQUIPMENT & HOLE DATA

Formation Tested Dakota
Elevation 7181' Ft.
Net Productive Interval 2935' - 2998' Ft.
All Depths Measured From Kelly Bushing
Total Depth 2998' Ft.
Main Hole/Casing Size 6¼"
Drill Collar Length 195' I.D. 2"
Drill Pipe Length 2750' I.D. 2.441"
Packer Depth(s) 2935' Ft.
Depth Tester Valve 2909' Ft.

Cushion TYPE NONE AMOUNT ____ Ft. Depth Back Pres. Valve NONE Surface Choke 1/8" Bottom Choke 3/4"

Recovered 925' Feet of fresh water - small amount of drilling mud mixed...
Recovered ____ Feet of
Recovered ____ Feet of
Recovered ____ Feet of
Recovered ____ Feet of

Meas. From Tester Valve

Remarks Tool opened with a weak blow - picked up to a good blow for a 19 minute first flow. Rotated tool for a 35 minute first closed in pressure. Tool reopened with a weak to a good blow for a 26 minute second flow. Took a 25 minute second closed in pressure.

TEMPERATURE	Gauge No. 283 Depth: 2914' Ft.		Gauge No. 349 Depth: 2994' Ft.		Gauge No. Depth: Ft.		TIME	
	12 Hour Clock		24 Hour Clock		Hour Clock		Tool Opened 1115 A.M. (P.M.)	
Est. 90 °F.	Blanked Off NO		Blanked Off YES		Blanked Off			
Actual 108 °F.	Pressures		Pressures		Pressures		Tool Closed 1300 A.M. P.M.	
	Field	Office	Field	Office	Field	Office	Reported Minutes	Computed Minutes
Initial Hydrostatic	NO READINGS ARE		1484	1499				
First Period Flow Initial	AVAILABLE.		66	129			____	____
First Period Flow Final	CLOCK STOPPED...		92	272			20	19
First Period Closed in			856	886			33	35
Second Period Flow Initial			263	298			____	____
Second Period Flow Final			375	438			30	26
Second Period Closed in			856	865			22	25
Third Period Flow Initial							____	____
Third Period Flow Final								
Third Period Closed in								
Final Hydrostatic			1438	1486			____	____

Legal Location Sec. - Twp. - Rng. 33 - 14N - 7W
Lease Name FERNANDEZ Well No. 10 Test No. 1
Tested Interval 2935' - 2998'
Field Area SAN METEO WILDCAT County MC KINLEY State NEW MEXICO
Lease Owner/Company Name SHAR ALLEN OIL COMPANY

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FORMATION TEST DATA

LITTLE S 83429 15M 4/69—39, 34-13

C-13

Gauge No.	283	Depth	2914'	Clock No.	1778	12 hour	Ticket No.	455825

	First Flow Period		First Closed In Pressure			Second Flow Period		Second Closed In Pressure			Third Flow Period		Third Closed In Pressure		
	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.
0															
1															
2															
3															
4															
5															
6				NO READINGS		ARE AVAILABLE.		CLOCK STOPPED...							
7															
8															
9															
10															
11															
12															
13															
14															
15															

Gauge No.	349		Depth	2994'		Clock No.	2273	hour	24					
0	.000	129	.000		272	.000	298	.000		438					
1	.0171	162	.0134		757	.0165	322	.0101		763					
2	.0342	202	.0268		809	.0330	353	.0202		799					
3	.0513	241	.0402		833	.0495	382	.0303		821					
4	.065	272*	.0536		850	.0660	405	.0404		832					
5			.0670		861	.086	438***	.0505		843					
6			.0804		871			.0606		852					
7			.0938		878			.0707		858					
8			.1072		883			.0808		864					
9			.117		886**			.084		865****					
10															
11															
12															
13															
14															
15															
Reading Interval	5		4			5		3							Minutes

REMARKS: * INTERVAL = 4 MINUTES. ** INTERVAL = 3 MINUTES. *** INTERVAL = 6 MINUTES. **** INTERVAL = 1 MINUTE.

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SPECIAL PRESSURE DATA

LITTLE'S

455825

	O. D.	I. D.	LENGTH	DEPTH
Reversing Sub				
Water Cushion Valve				
Drill Pipe	2 7/8"	2.441"	2750'	
Drill Collars	4½"	2"	195'	
Handling Sub & Choke Assembly				
Dual CIP Valve				
Dual CIP Sampler				
Hydro-Spring Tester	4"	1"	6'	2909'
Multiple CIP Sampler				
Extension Joint				
AP Running Case	3 3/4"	2"	5'	2914'
Hydraulic Jar	3 5/8"	1"	9'	
VR Safety Joint	3 7/8"	1½"	3'	
Pressure Equalizing Crossover				
Packer Assembly	5¼"	1½"	6'	2953'
Distributor				
Packer Assembly				
Flush Joint Anchor	3 3/4"	1 3/4"	10'	
Pressure Equalizing Tube				
Blanked-Off B.T. Running Case				
Drill Collars				
Anchor Pipe Safety Joint				
Packer Assembly				
Packer Assembly				
Anchor Pipe Safety Joint				
Side Wall Anchor				
Drill Collars	4"	2"	45'	
Flush Joint Anchor				
Blanked-Off B.T. Running Case	3½"	2"	7'	2994'