

GALLOWASH

Lease Name

Well No.

Test No.

5522' - 5537'

Tested Interval

DOME PETROLEUM CORPORATION

Lease Owner/Company Name

Legal Location
Sec. - Twp. - Rng.

24 - 21 - 9

Field
Area

WILDCAT

County

SAN JUAN

State

NEW MEXICO

FLUID SAMPLE DATA				Date		Ticket Number	
Sampler Pressure 0 P.S.I.G. at Surface				12-9-77		281696	
Recovery: Cu. Ft. Gas 0				Kind of Job		Halliburton District FARMINGTON	
cc. Oil 0				Tester		HOEFER	
cc. Water 2250				Witness		MOORE	
cc. Mud 0				Drilling Contractor			
Tot. Liquid cc. 2250				FOUR CORNERS # 3 NM S			
Gravity * API @ * F.				EQUIPMENT & HOLE DATA			
Gas/Oil Ratio cu. ft./bbl.				Formation Tested			
RESISTIVITY CHLORIDE CONTENT				Entrada			
Recovery Water .93 @ 65 °F. ppm				Elevation 6493' Ft.			
Recovery Mud 3.82 @ 63 °F. ppm				Net Productive Interval 8' Ft.			
Recovery Mud Filtrate @ °F. ppm				All Depths Measured From Kelly Bushing			
Mud Pit Sample 3.12 @ 63 °F. ppm				Total Depth 5537' Ft.			
Mud Pit Sample Filtrate @ °F. ppm				Main Hole/Casing Size 8 3/4"			
Mud Weight 9.0 vis 35 sec				Drill Collar Length 627' I.D. 2 1/4"			
				Drill Pipe Length 4857' I.D. 3.826"			
				Packer Depth(s) 5516' - 5522' Ft.			
				Depth Tester Valve 5494' Ft.			
TYPE		AMOUNT		Depth Back		Surface	
Cushion		NONE		Pres. Valve		Choke	
				NONE		3/4" ADJ. Bottom Choke 3/4"	
Recovered		150' Feet of		water cut mud			
Recovered		4750' Feet of		water			
Recovered		Feet of					
Recovered		Feet of					
Recovered		Feet of					
Remarks		Q = QUESTIONABLE... SEE PRODUCTION TEST DATA SHEET...					
TEMPERATURE							
Gauge No. 6040		Gauge No. 6039		Gauge No.		TIME	
Depth: 5499' Ft.		Depth: 5533' Ft.		Depth: Ft.			
Est. *F. 12 Hour Clock		24 Hour Clock		Hour Clock		Tool	
Blanked Off NO		Blanked Off YES		Blanked Off		Opened 4:09 A.M.	
Actual 152 °F.		Pressures		Pressures		Opened A.M.	
		Pressures		Pressures		Bypass 8:00 P.M.	
		Field Office		Field Office		Reported Computed	
		Field Office		Field Office		Minutes Minutes	
Initial Hydrostatic		2569 2629		2607 2653			
First Period Flow Initial		1434 1593-Q		1466 1643-Q			
Flow Final		2245 2265		2281 2289		15 15	
Closed in		2340 2357		2376 2375		36 35	
Second Period Flow Initial		2299 2327		2327 2349			
Flow Final		2374 2361		2376 2379		60 62	
Closed in		2374 2361		2376 2380		120 119	
Third Period Flow Initial							
Flow Final							
Closed in							
Final Hydrostatic		2569 2576		2594 2598			

Casing perms. _____ Bottom choke _____ Surf. temp. _____ °F Ticket No. 281696
 Gas gravity _____ Oil gravity _____ GOR _____
 Spec. gravity _____ Chlorides _____ ppm Res. _____ @ _____ °F
 INDICATE TYPE AND SIZE OF GAS MEASURING DEVICE USED _____

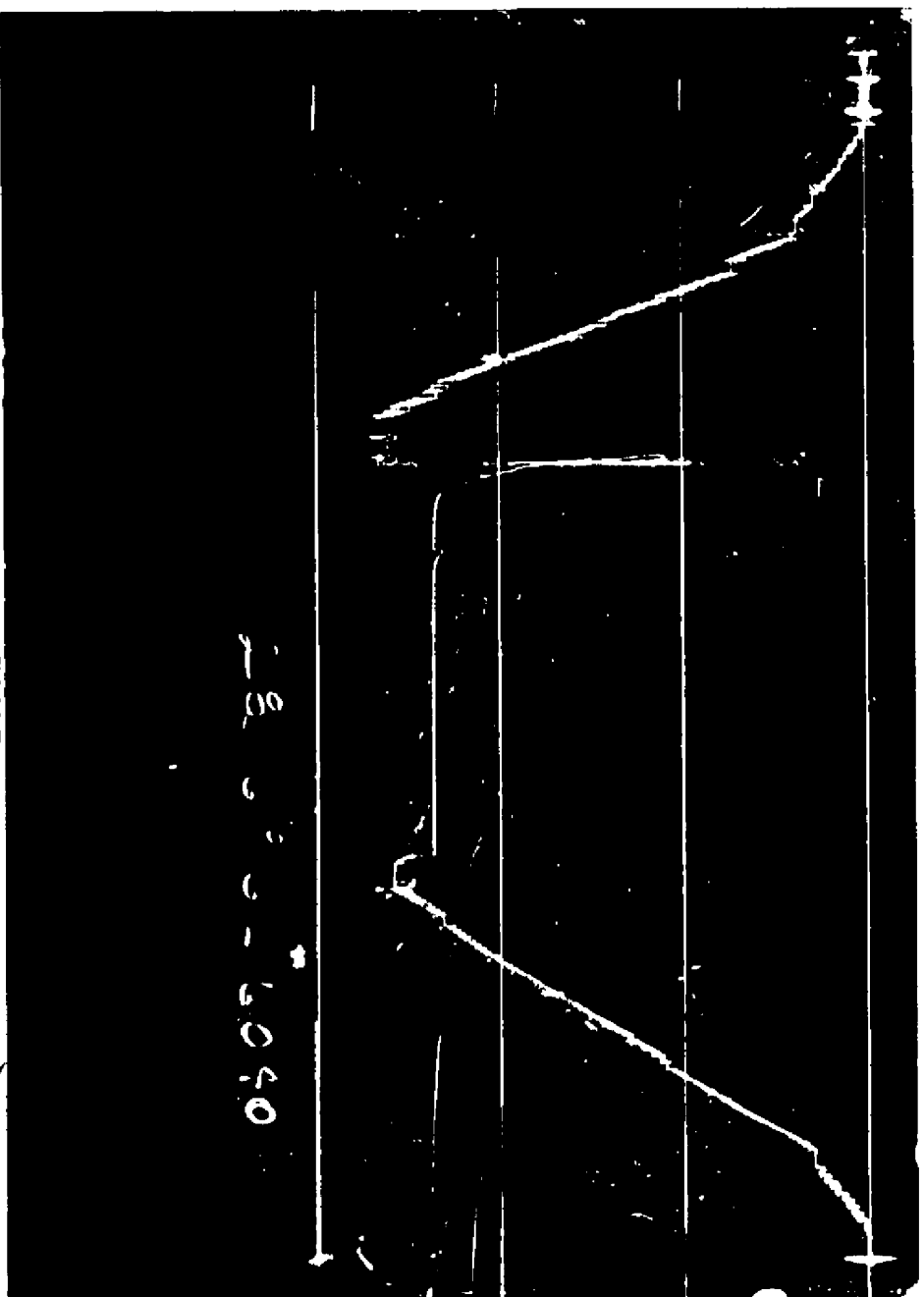
[illegible]

Gauge No.		6040		Depth		5499'		Clock No.		14121		12 hour		Ticket No.		281696	
First Flow Period		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"	
Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	$\log \frac{t + \theta}{\theta}$	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	$\log \frac{t + \theta}{\theta}$	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	$\log \frac{t + \theta}{\theta}$	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.
0	.000	1593-0	.000	.000	2327	.000	.000	.000	2361								
1	.0206	1884	.0207	.0780	2353**	.828			2361								
2	.0412	2014	.0413	.1430	2358												
3	.0618	2123	.0620	.2080	2359												
4	.0824	2205	.0826	.2730	2359												
5	.1030	2265	.1033	.3380	2361												
6			.1239	.4030	2361												
7			.1446														
8			.1653														
9			.1859														
10			.2066														
11			.2410														
12																	
13																	
14																	
15																	

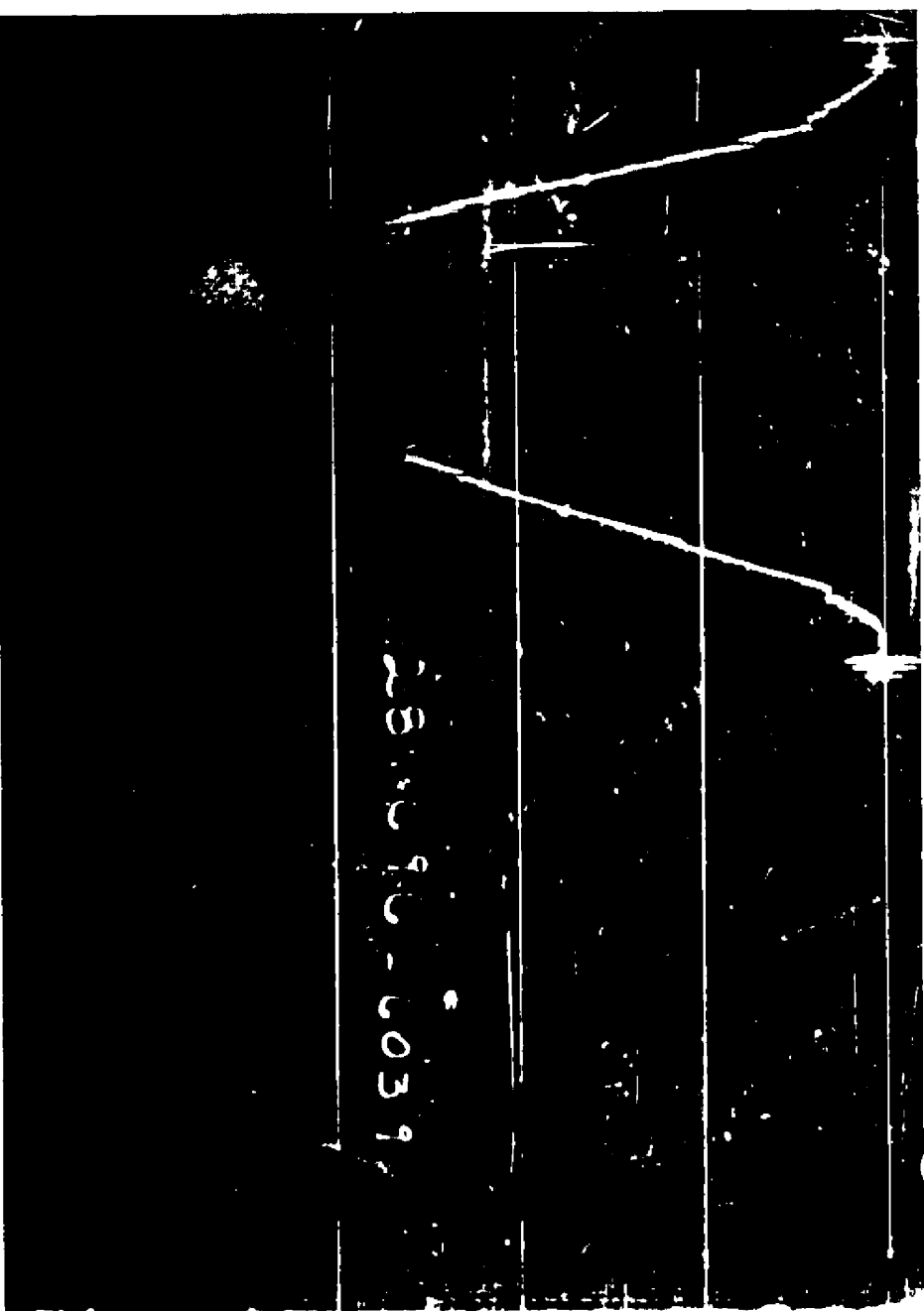
Gauge No.		6039		Depth		5533		Clock No.		14128		hour		24	
Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	$\log \frac{t + \theta}{\theta}$	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	$\log \frac{t + \theta}{\theta}$	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	$\log \frac{t + \theta}{\theta}$	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.
0	.000	1643-0	.000	.000	2349	.000	.000	.000	2379						
1	.0102	2003	.0102	.0403	2371**	.401			2380						
2	.0204	2092	.0204	.0738	2376										
3	.0306	2175	.0306	.1074	2378										
4	.0408	2240	.0408	.1409	2378										
5	.0510	2289	.0510	.1744	2379										
6			.0612	.2080	2379										
7			.0714												
8			.0816												
9			.0918												
10			.1020												
11			.1190												
12															
13															
14															
15															

Reading Interval		3		10	
REMARKS:		* INTERVAL = 5 MINUTES.		** INTERVAL = 12 MINUTES.	

	O. D.	I. D.	LENGTH	DEPTH
Drill Pipe or Tubing	6"	2.50"	1'	
Reversing Sub				
Water Cushion Valve				
Drill Pipe	4½"	3.826"	4857'	
Drill Collars	6½"	2¼"	627'	
Handling Sub & Choke Assembly				
Dual CIP Valve				
Dual CIP Sampler	5"	.89"	8'	5486'
Hydro-Spring Tester	5"	.75"	5'	5494'
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5"	3.50"	4'	5499'
Hydraulic Jar	5"	1.75"	5'	
VR Safety Joint	5"	1.00"	3'	
Pressure Equalizing Crossover				
Packer Assembly	7 3/4"	1.53"	6'	5516'
Distributor				
Packer Assembly	7 3/4"	1.53"	6'	5522'
Flush Joint Anchor				
Pressure Equalizing Tube				
Blanked-Off B.T. Running Case				
Drill Collars				
Anchor Pipe Safety Joint				
Packer Assembly				
Distributor				
Packer Assembly				
Anchor Pipe Safety Joint				
Side Wall Anchor				
Drill Collars				
Flush Joint Anchor	5 3/4"	2.50"	10'	
Blanked-Off B.T. Running Case	5 3/4"	3.50"	4'	5533'
Total Depth				5537'



TIME



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_{oi}	= Potentiometric Surface (Fresh Water *)	Feet
Q	= Average Adjusted Production Rate During Test	bbls/day
Q_1	= Theoretical Production w/Damage Removed	bbls/day
Q_9	= Measured Gas Production Rate	MCF/D
R	= Corrected Recovery	bbls
r_w	= Radius of Well Bore	Feet
t	= Flow Time	Minutes
t_o	= 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.