

FLUID SAMPLE DATA				Date 2-7-80		Ticket Number 684467	
Sampler Pressure 0 P.S.I.G. at Surface Recovery: Cu. Ft. Gas 0 cc. Oil 0 cc. Water 2100 cc. Mud 0 Tot. Liquid cc. 2100 Gravity _____ ° API @ _____ °F. Gas/Oil Ratio _____ cu. ft./bbl. RESISTIVITY CHLORIDE CONTENT Recovery Water .0120 @ 74 °F. _____ ppm Recovery Mud 2.32 @ 60 °F. _____ ppm Recovery Mud Filtrate _____ @ _____ °F. _____ ppm Mud Pit Sample 1.60 @ 55 °F. 1212 ppm Mud Pit Sample Filtrate _____ @ _____ °F. _____ ppm Mud Weight 9.3 vis 60 sec.				Kind of D.S.T. OPEN HOLE PACKER Location FARMINGTON Tester ROBERTS Witness MOORE Drilling Contractor LAMA DRILLING # 4 NM S			
EQUIPMENT & HOLE DATA							
Formation Tested Entrada				Elevation 6410' Ft.			
Net Productive Interval 10' Ft.				All Depths Measured From Rotary Kelly Bushing			
Total Depth 4581' Ft.				Main Hole/Casing Size 8 3/4"			
Drill Collar Length 398' I.D. 2.25"				Drill Pipe Length 4141' I.D. 2.764" ??			
Packer Depth(s) 4565.5' - 4571.5' Ft.				Depth Tester Valve 4547.4' Ft.			
Cushion		TYPE AMOUNT NONE	Ft.	Depth Back Pres. Valve NONE	Surface Choke 3/4" ADJ.	Bottom Choke 3/4"	
Recovered 60'		Feet of mud					
Recovered 4487'		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 (00:00-24:00 hrs.)		
Depth: 4551' Ft.		Depth: 4576' Ft.	Depth:	Hour Clock		Tool	
Est. 110 °F.		Blanked Off NO	Blanked Off YES	Blanked Off		Opened 2113	
Actual 134 °F.		Pressures		Pressures		Opened Bypass 2328	
	Field	Office	Field	Office	Field	Office	Reported
Initial Hydrostatic	2267.0	2180.2	2275.9	2185.6			Minutes
First Period	Flow Initial	1996	1057.9-0	1977	1201.8		
	Flow Final	1996	1770.2	1977	1788.6		15 10
	Closed In	1996	1978.3	1977	1986.4		30 35
Second Period	Flow Initial	1996	1809.4	1977	1831.9		
	Flow Final	1806.8	1979.7	1841.5	1986.4		30 31
	Closed in	1239.2 ?	1982.4	1407.9 ?	1989.1		60 59
Third Period	Flow Initial						
	Flow Final						
	Closed in						
Final Hydrostatic	2212.8	2176.1	2275.9	2180.2			

Legal Location Sec. - Twp. - Rng. 33 - 20N - 10W
 Lease Name DOME SANTA FE 33-20-10
 Well No. 1
 Test No. 1
 Tested Interval 4571' - 4581'

Field Area WILDCAT
 County MC KINLEY
 State NEW MEXICO
 Lease Owner/Company Name DOME PETROLEUM CORPORATION

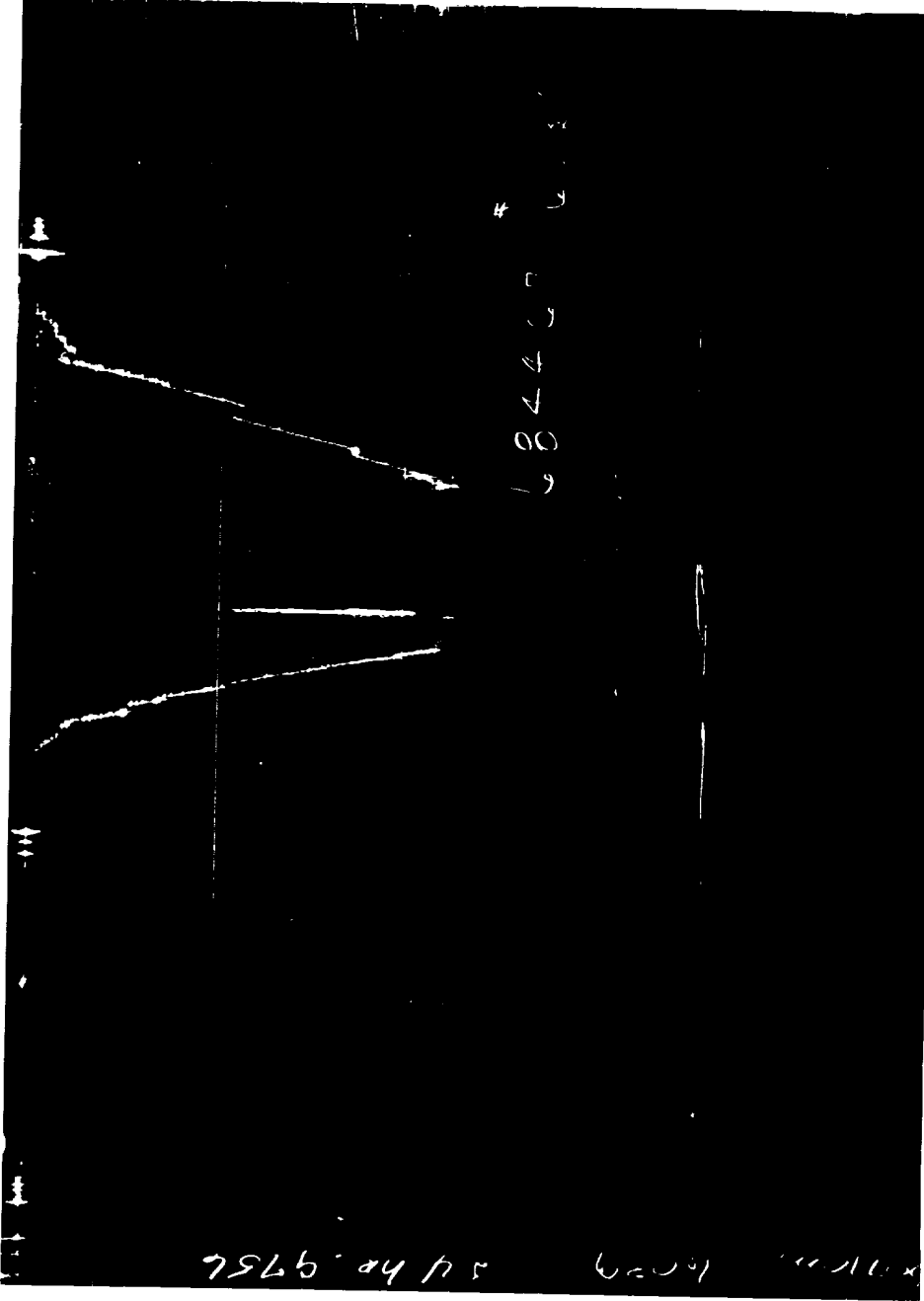
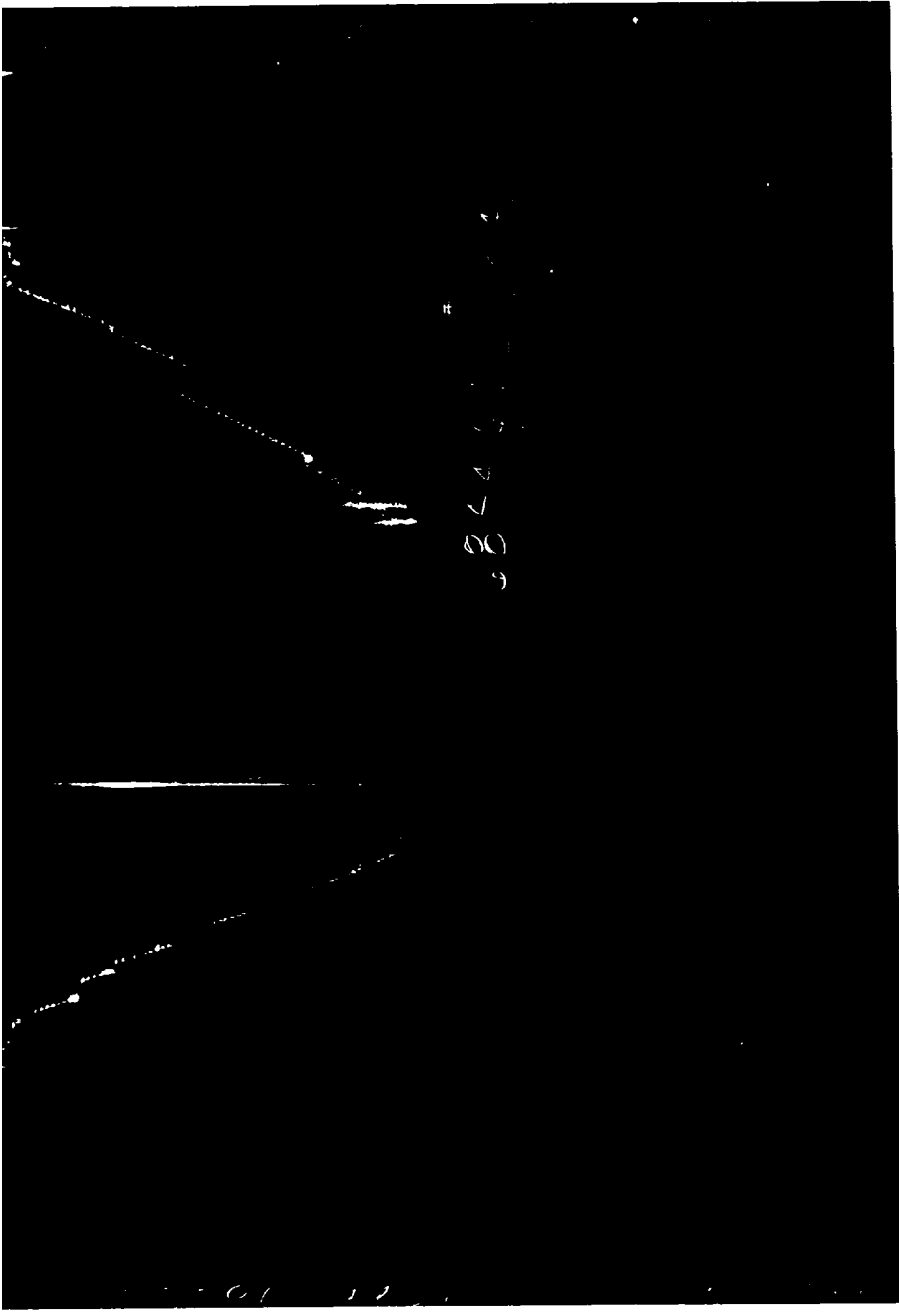
Gauge No. 6040				Depth 4551'				Clock No. 10444				12 hour				Ticket No. 684467							
First Flow Period				First Closed In Pressure				Second Flow Period				Second Closed In Pressure				Third Flow Period				Third Closed In Pressure			
Time Defl. "000"	PSIG Temp. Corr.	Log $t + \frac{\theta}{\theta}$	PSIG Temp. Corr.	Time Defl. "000"	PSIG Temp. Corr.	Log $t + \frac{\theta}{\theta}$	PSIG Temp. Corr.	Time Defl. "000"	PSIG Temp. Corr.	Log $t + \frac{\theta}{\theta}$	PSIG Temp. Corr.	Time Defl. "000"	PSIG Temp. Corr.	Log $t + \frac{\theta}{\theta}$	PSIG Temp. Corr.	Time Defl. "000"	PSIG Temp. Corr.	Log $t + \frac{\theta}{\theta}$	PSIG Temp. Corr.				
0	.000	1057.90	.000	1770.2	.000	1809.4	.000	.000	1809.4	.000	1979.7												
1	.0134	1191.3	.0067	1935.1	.0399	1920.2*	.400	.400	1920.2*	.400	1982.4												
2	.0268	1412.3	.0134	1944.6	.0731	1959.4			1959.4														
3	.0402	1562.1	.0201	1950.0	.1063	1971.6			1971.6														
4	.0536	1679.7	.0269	1955.4	.1395	1977.0			1977.0														
5	.0670	1770.2	.0336	1959.4	.1728	1978.3			1978.3														
6			.0403	1960.8	.2060	1979.7			1979.7														
7			.0470	1962.1																			
8			.0537	1964.8																			
9			.0604	1966.2																			
10			.0671	1967.5																			
11			.1007	1971.6																			
12			.1343	1975.6																			
13			.1679	1977.0																			
14			.2014	1978.3																			
15			.2350	1978.3																			

Gauge No. 6039				Depth 4576'				Clock No. 9756				hour 24			
Time Defl. "000"	PSIG Temp. Corr.	Log $t + \frac{\theta}{\theta}$	PSIG Temp. Corr.	Time Defl. "000"	PSIG Temp. Corr.	Log $t + \frac{\theta}{\theta}$	PSIG Temp. Corr.	Time Defl. "000"	PSIG Temp. Corr.	Log $t + \frac{\theta}{\theta}$	PSIG Temp. Corr.	Time Defl. "000"	PSIG Temp. Corr.	Log $t + \frac{\theta}{\theta}$	PSIG Temp. Corr.
0	.000	1201.8	.000	1788.6	.000	1831.9	.000	.000	1831.9	.000	1986.4				
1	.0074	1241.1	.0033	1943.0	.0197	1932.2**	.200	.200	1932.2**	.200	1989.1				
2	.0148	1434.9	.0066	1952.5	.0362	1967.4			1967.4						
3	.0222	1607.0	.0099	1959.3	.0526	1979.6			1979.6						
4	.0296	1695.1	.0131	1963.4	.0691	1983.7			1983.7						
5	.0370	1788.6	.0164	1967.4	.0855	1985.0			1985.0						
6			.0197	1970.1	.1020	1986.4			1986.4						
7			.0230	1972.8											
8			.0263	1974.2											
9			.0296	1974.2											
10			.0329	1976.9											
11			.0493	1979.6											
12			.0657	1982.3											
13			.0821	1985.0											
14			.0986	1985.0											
15			.1150	1986.4											

Reading Interval 2 * 5 Minutes

REMARKS: * FIRST 10 READINGS = 1 MINUTE EACH AND THE LAST 5 READINGS = 5 MINUTES EACH... ** INTERVAL = 6 MINUTES.

	O. D.	I. D.	LENGTH	DEPTH
Drill Pipe or Tubing				
Drill Collars				
Reversing Sub	6"	3"	1'	
Water Cushion Valve				
Drill Pipe	3½"	2.764"	4141'	
Drill Collars	5½" x 4"	2.25"	398'	
Handling Sub & Choke Assembly				
Dual CIP Valve				
Dual CIP Sampler	5"	.75"	6.75'	4542.4
Hydro-Spring Tester	5"	.75"	5'	4547.4'
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5"	3"	4.1'	4551.5'
Hydraulic Jar	5"	1.75"	5'	
VR Safety Joint	5"	1"	3'	
Pressure Equalizing Crossover				
Packer Assembly	7 3/4"	1.53"	6'	4565.5'
Distributor				
Packer Assembly	7 3/4"	1.53"	6'	4571.5'
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"	3½"	5'	
Blanked-Off B.T. Running Case	5 3/4"	2½"	4.5'	4576.5'
Total Depth				4581'



NOMENCLATURE

- b = Approximate Radius of Investigation Feet
- b_1 = Approximate Radius of Investigation (Net Pay Zone h) 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) md
- m = Slope Extrapolated Pressure Plot (Psi²/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_{wt} = 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_o = Total Flow Time Minutes
- T = Temperature Rankine °R
- Z = Compressibility Factor
- μ = Viscosity Gas or Liquid CP
- Log = Common Log

* Potentiometric Surface Reference is Bottom Hole True When Elevation Not Given,
Else Water Column Height is Used