

FLUID SAMPLE DATA				Date 7-30-77		Ticket Number 281201	
Sampler Pressure 200 P.S.I.G. at Surface				Kind of Job OPEN HOLE		Halliburton District EARMINGTON	
Recovery: Cu. Ft. Gas -				Tester HOEFER		Witness HOLLINGSWORTH	
cc. Oil 2250				Drilling Contractor FOUR CORNERS DRILLING COMPANY NM			
cc. Water				EQUIPMENT & HOLE DATA			
cc. Mud				Formation Tested Entrada			
Tot. Liquid cc 2250				Elevation 6371' Ft.			
Gravity _____ ° API @ _____ ° F.				Net Productive Interval 8' Ft.			
Gas/Oil Ratio _____ cu. ft./bbl.				All Depths Measured From Kelly Bushing			
RESISTIVITY CHLORIDE CONTENT				Total Depth 5410' Ft.			
Recovery Water @ _____ ° F. _____ ppm				Main Hole/Casing Size 8 3/4"			
Recovery Mud 3.8 @ 86 ° F. _____ ppm				Drill Collar Length 609' I.D. 2.25"			
Recovery Mud Filtrate @ _____ ° F. _____ ppm				Drill Pipe Length 4748' I.D. 3.826"			
Mud Pit Sample 2.2 @ 87 ° F. _____ ppm				Packer Depth(s) 5389' - 5395' Ft.			
Mud Pit Sample Filtrate @ _____ ° F. _____ ppm				Depth Tester Valve 5368' Ft.			
Mud Weight _____ vis _____ sec							
Cushion		TYPE	AMOUNT	Depth Back	Surface	Bottom	
			NONE	Ft. Pres. Valve	NONE	Choke 3/4"	ADJ. Choke 3/4"
Recovered		4145' Feet of oil					
Recovered		120' Feet of oil cut mud					
Recovered		Feet of					
Recovered		Feet of					
Recovered		Feet of					
Remarks		SEE PRODUCTION TEST DATA SHEET...					
TEMPERATURE		Gauge No. 6040	Gauge No. 6039	Gauge No.	TIME		
Depth: 5373' Ft.		Depth: 5406' Ft.	Depth:				
Est. ° F.		12 Hour Clock	24 Hour Clock	Hour Clock		Tool A.M.	
Blanked Off NO		Blanked Off YES	Blanked Off		Opened 05:00P.M.		
Actual 140 ° F.		Pressures		Pressures		Opened A.M.	
		Pressures		Pressures		Bypass 8:15P.M.	
	Field	Office	Field	Office	Field	Office	
Initial Hydrostatic	2582	2527	2594	2549			
First Period Flow	Initial	107	119	122	129		
	Final	642	641	652	671		
	Closed in	2299	2296	2308	2314		
Second Period Flow	Initial	736	784	774	795		
	Final	1637	1631	1643	1652		
	Closed in	2339	2339	2349	2353		
Third Period Flow	Initial						
	Final						
	Closed in						
Final Hydrostatic	2501	2514	2526	2533			

Legal Location Sec. - Twp. - Rng. **11 - 21 - 10**

Field Area **WILDCAT**

County **SAN JUAN**

State **NEW MEXICO**

SANTA FE LEGGS **1** Well No. **3** Test No. **5395' - 5410'** DOME PETROLEUM CORPORATION

Lease Owner/Company Name

281201

[illegible]

	O. D.	I. D.	LENGTH	DEPTH
Drill Pipe or Tubing	6"	2.25"	1'	
Reversing Sub				
Water Cushion Valve				
Drill Pipe	4.5"	3.826"	4748'	
Drill Collars	6.5"	2.25"	609'	
Handling Sub & Choke Assembly				
Dual CIP Valve				
Dual CIP Sampler	5"	.89"	8'	
Hydro-Spring Tester	5"	.75"	5'	5368'
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5"	3.50"	4'	5373'
Hydraulic Jar	5"	1.75"	5'	
VR Safety Joint	5"	1.00"	3'	
Pressure Equalizing Crossover				
Packer Assembly	7 3/4"	1.53"	5'	5389'
Distributor				
Packer Assembly	7 3/4"	1.53"	6'	5395'
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'	5406'
Total Depth				5410'



STATE OF NEW MEXICO
ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE

1000 RIO BRAZOS ROAD
AZTEC, NEW MEXICO 87410
(505) 334-6178

April 22, 1992

Mr. Patrick Woosley
APA Development Inc.
P.O. Box 215
Cortez, CO 82321

*Santa Fe Leggs #1
0-11-21-10*

RE: Santa Fe Leggs Lease

Dear Mr. Woosley:

A field inspection conducted by personnel from this office on 4-20-92 revealed that the referenced lease is in a deplorable condition. Specifically the central tank battery has run over, the fire wall is half full of oil and sludge and the tanks are covered with oil. The #1 well has a 20'x 30' unfenced pit which is full of oil and produced water, there is no well sign and the entire location is oil stained and junky. The #2 well has puddles of oil and junk on location.

You are in violation of the following rules and regulations. Rule 116 unreported oil spill at tank battery. Rule 310-B - No sign on tank battery. Rule 103 - No well sign on well #1. Migratory bird order R-8952 all pits are to be netted in accordance with the order.

You are hereby directed to immediately file a spill report and initiate clean up activity. We will reinspect the lease within the next 2 weeks. If progress has not been made toward cleanup, I will recommend that the lease be shut in until cleanup is completed.

Yours truly,

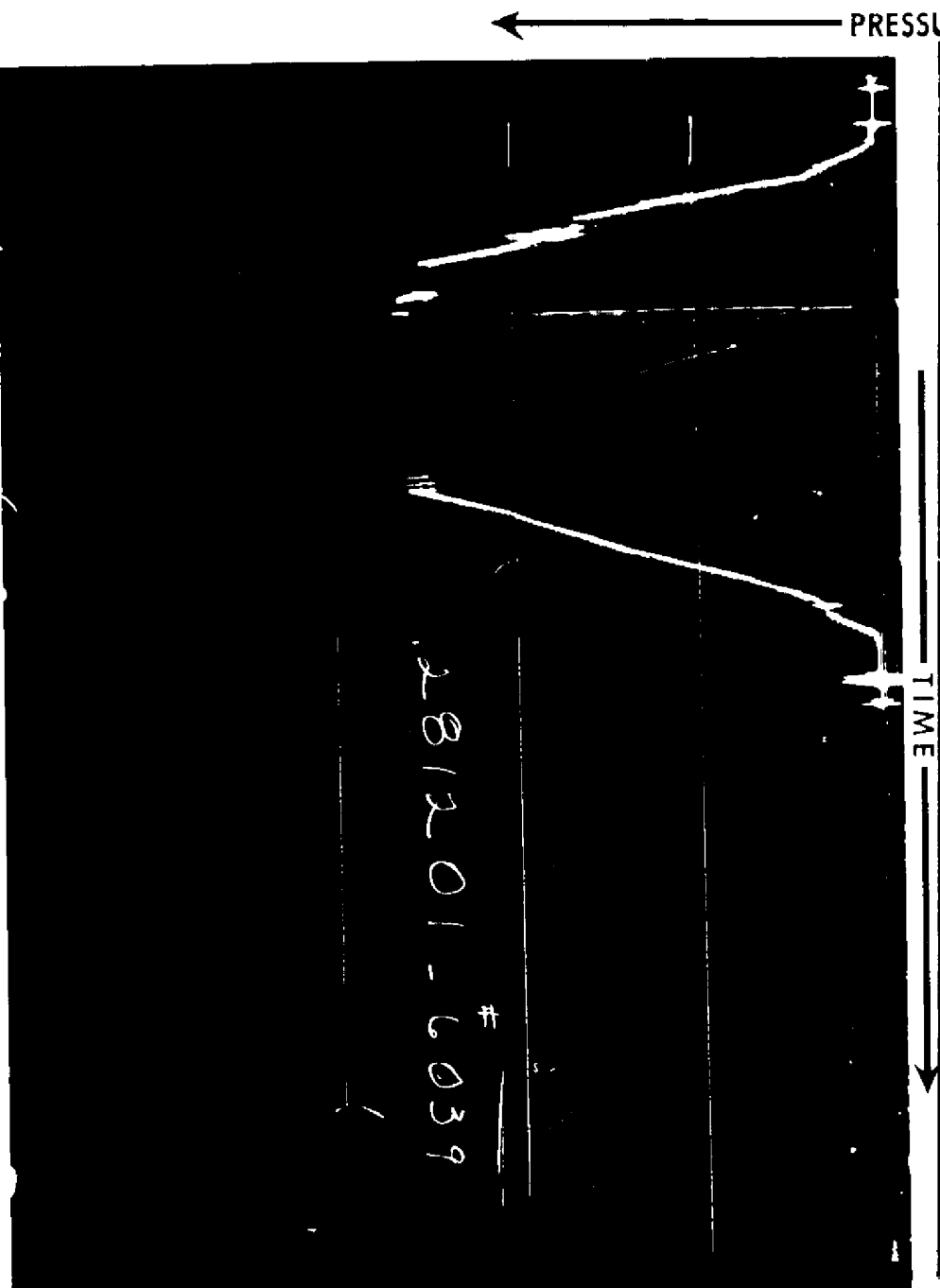
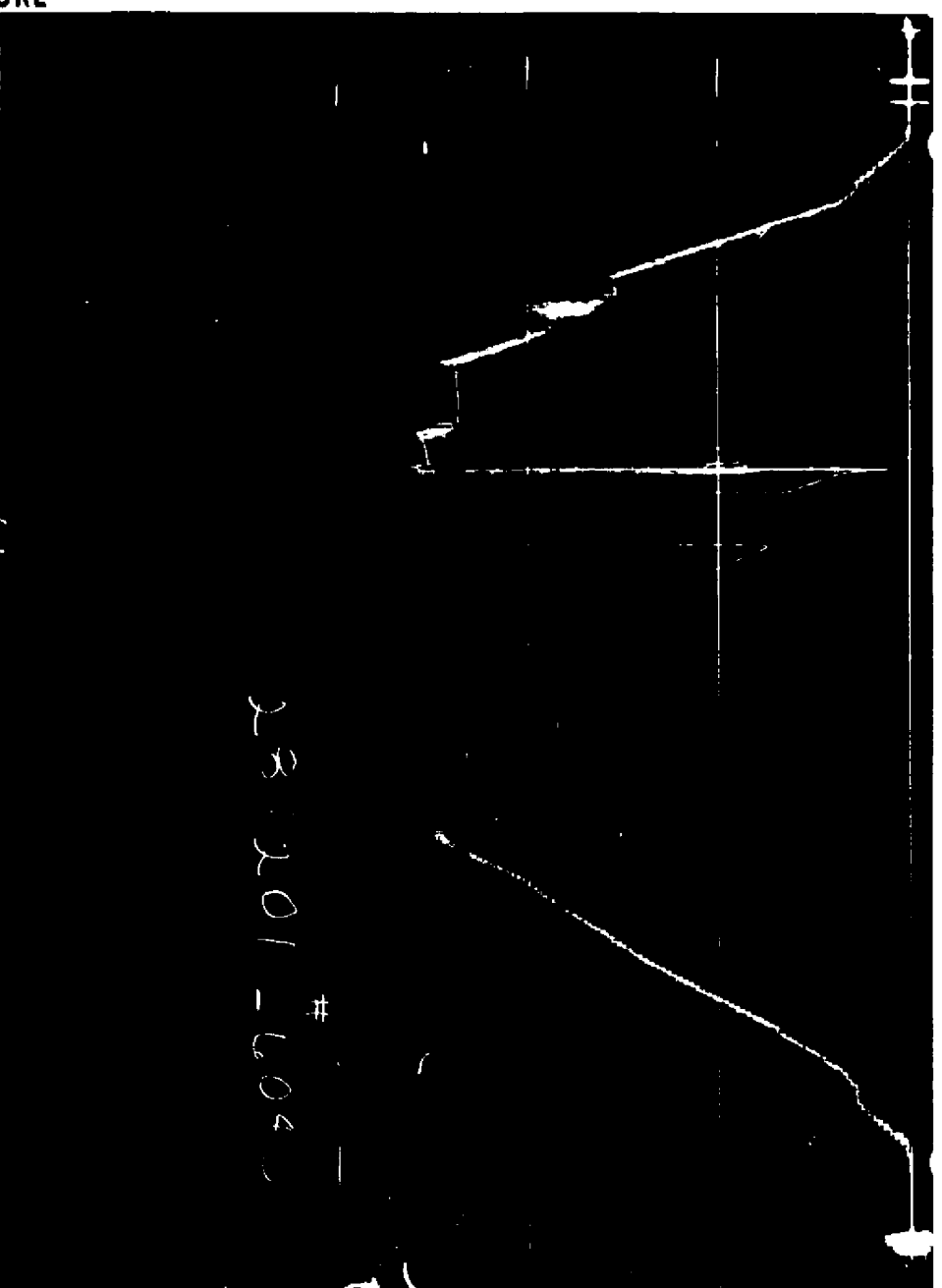
Charles Gholson
Deputy Oil & Gas Inspector

CG/dj

xc: Bob Stoval
Operator File

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 (Psi/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_{o_1}	= Potentiometric Surface (Fresh Water')	Feet
Q	= Average Adjusted Production Rate During Test	bbbls/day
Q_1	= Theoretical Production w/Damage Removed	bbbls/day
Q_2	= Measured Gas Production Rate	MCF/D
R	= Corrected Recovery	bbbls
r_w	= Radius of Well Bore	Feet
t	= Flow Time	Minutes
t_o	= Total Flow Time	Minutes
T	= Temperature Rankine	$^{\circ}R$
Z	= Compressibility Factor	—
μ	= Viscosity Gas or Liquid	CP
$\log$	= Common Log	



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