

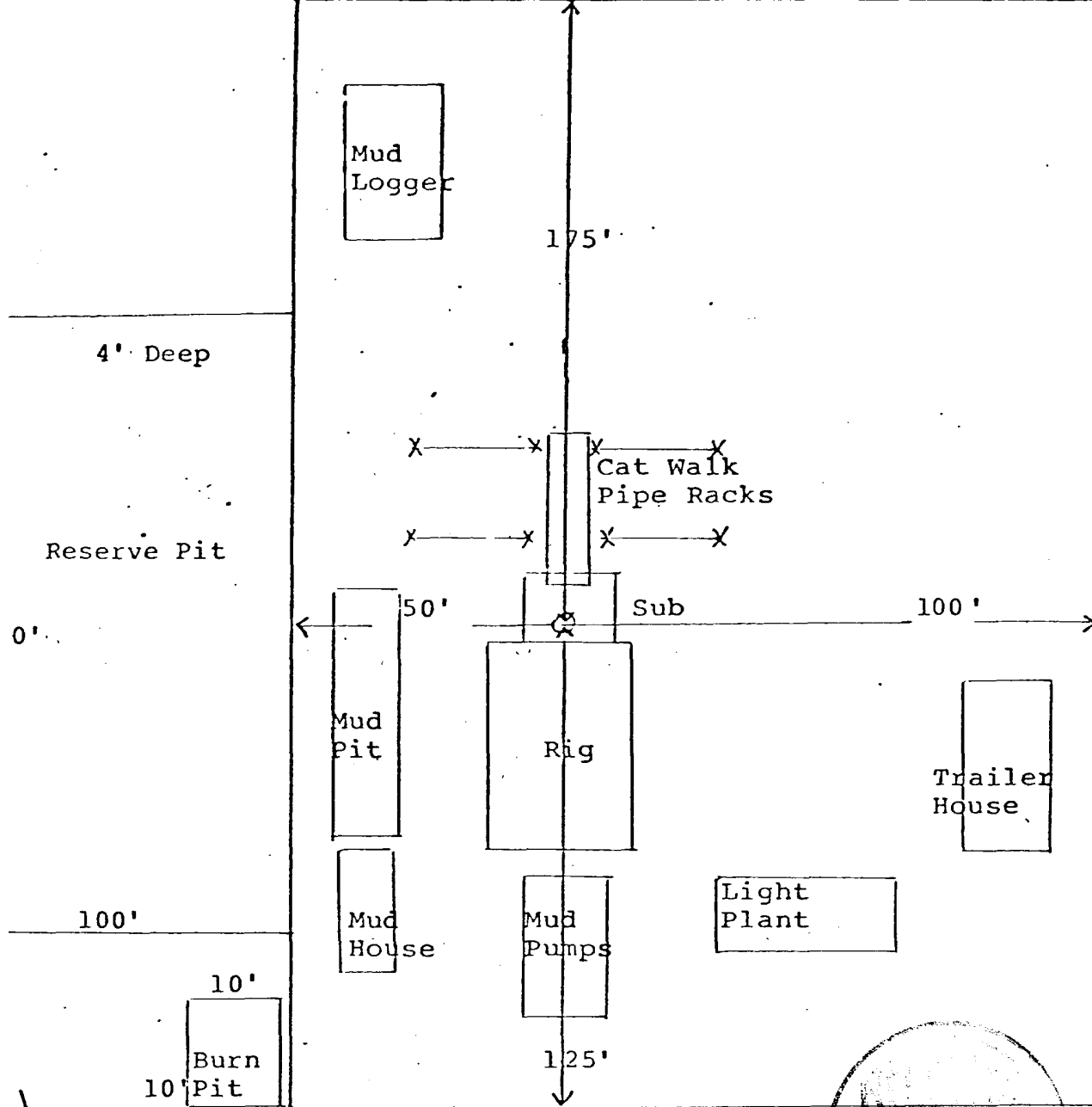
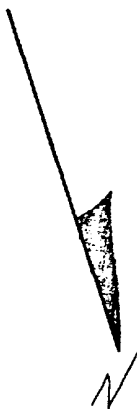
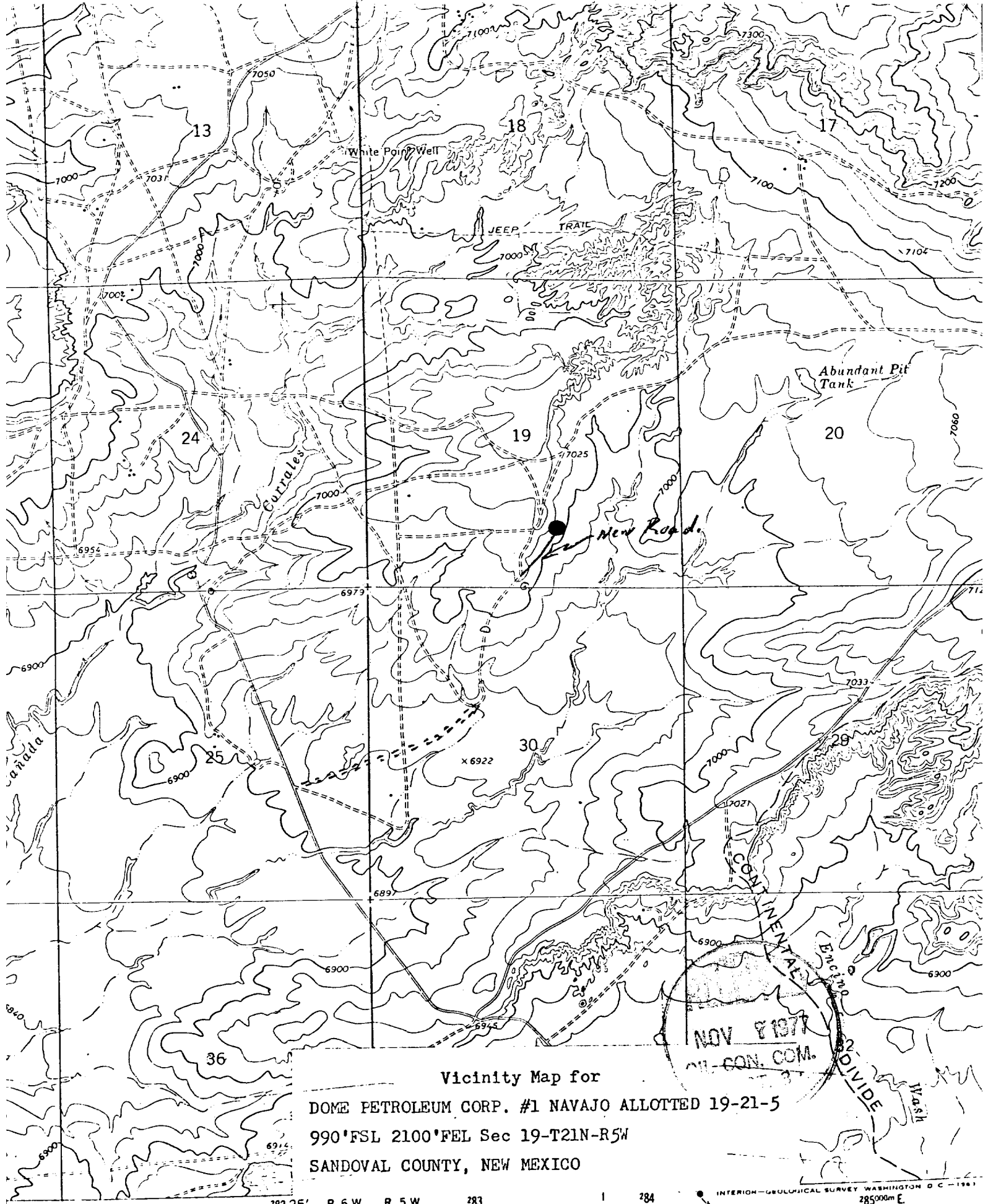


DIAGRAM OF WELL LOCATION
AND DRILLING RIG LAYOUT

NOV 7 1977
 OIL CON. COM.
 DIST. 3





Vicinity Map for
DOME PETROLEUM CORP. #1 NAVAJO ALLOTTED 19-21-5
990' FSL 2100' FEL Sec 19-T21N-R5W
SANDOVAL COUNTY, NEW MEXICO

NOV 8 1977
OIL CON. COM.

INTERIOR-GEOLOGICAL SURVEY WASHINGTON D C - 1961
285000m E

281

282 25' R. 6 W. R. 5 W.

283

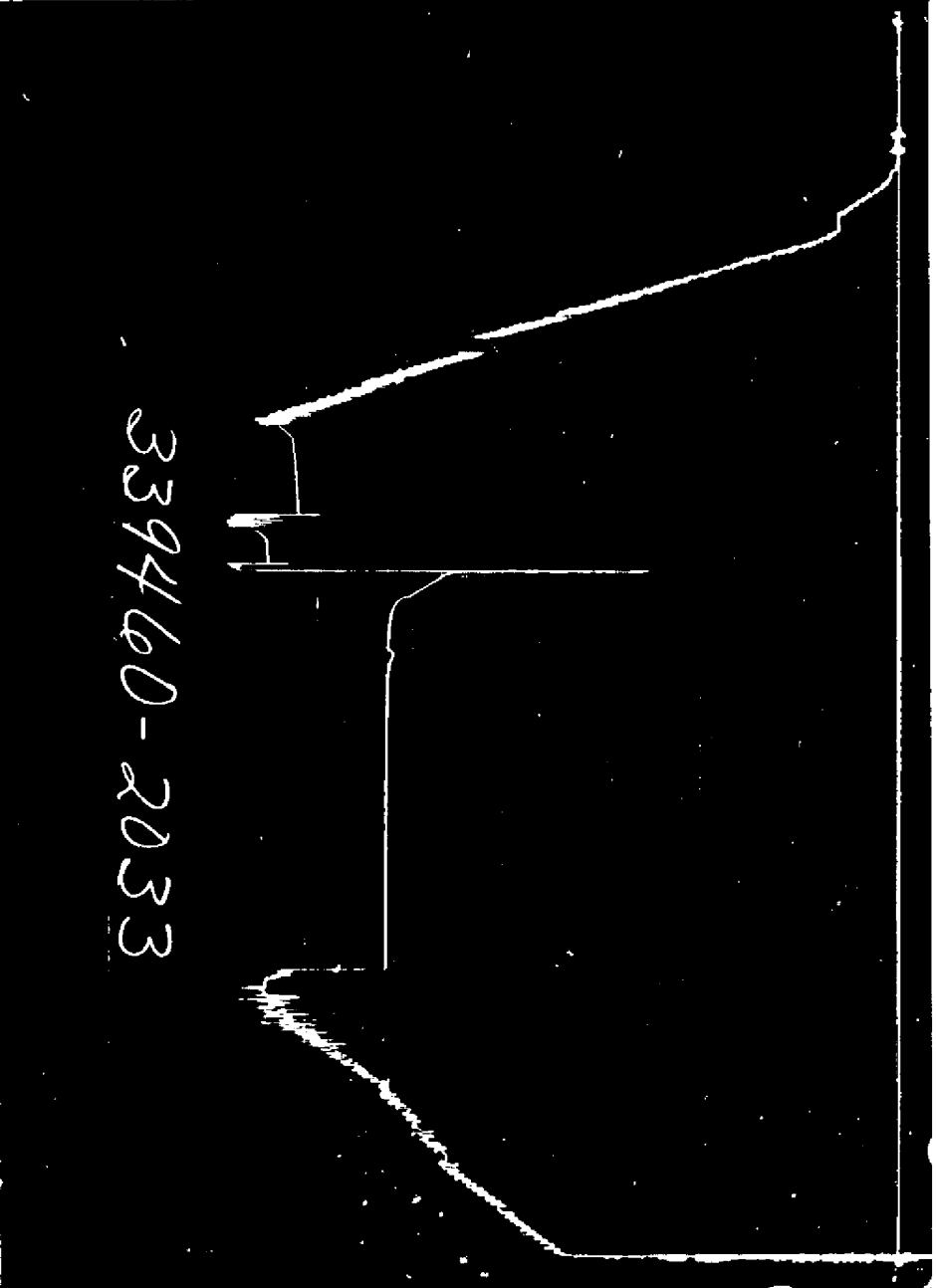
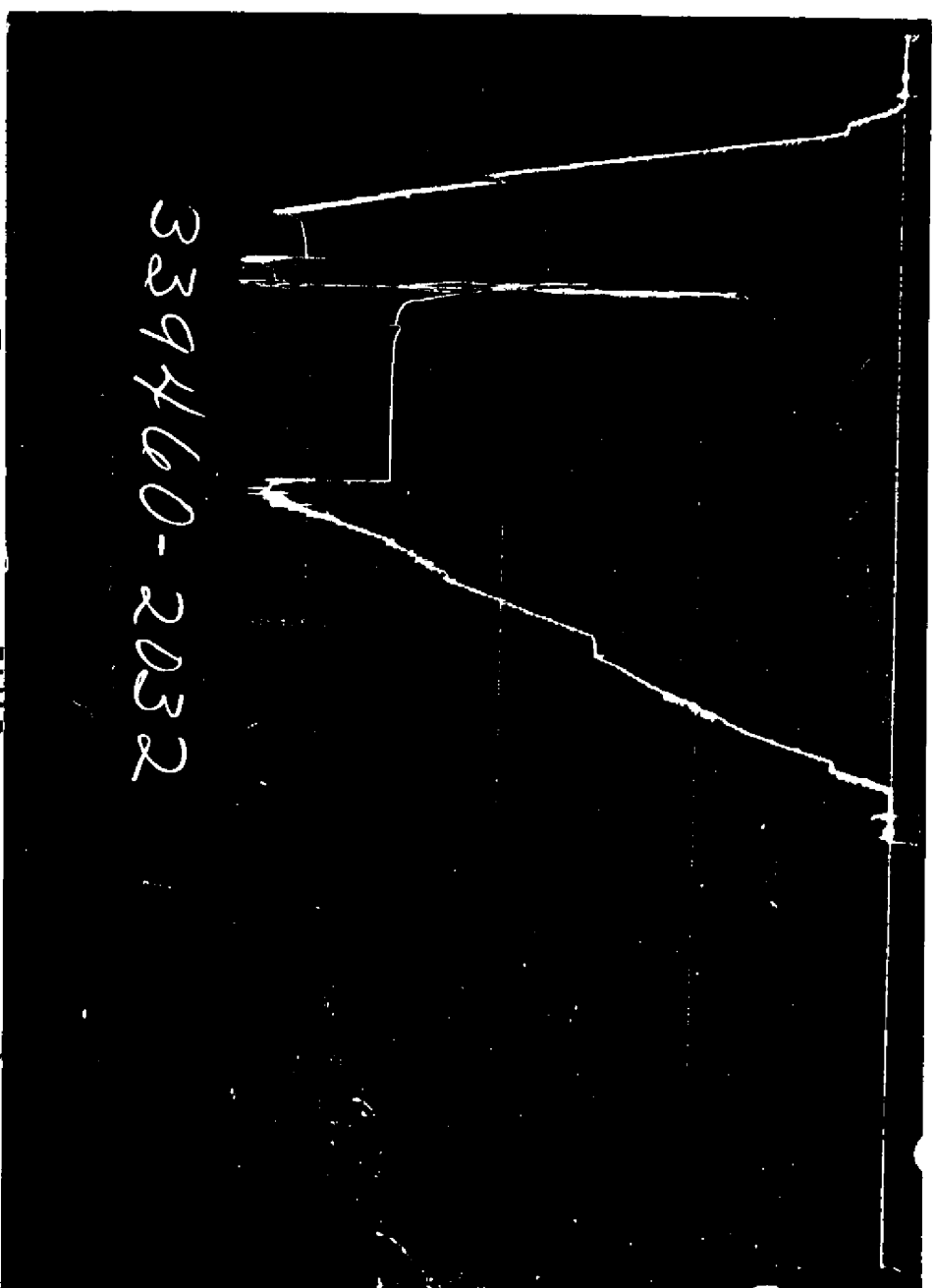
OJO ENCINO TRAILER SCHOOL 4.8 MI.

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NOMENCLATURE

b	= Approximate Radius of Investigation	Feet
b _i	= Approximate Radius of Investigation (Net Pay Zone h _i)	Feet
D.R.	= Damage Ratio	
EI	= Elevation	Feet
GD	= B.T. Gauge Depth (From Surface Reference)	Feet
h	= Interval Tested	Feet
h _i	= Net Pay Thickness	Feet
K	= Permeability	md
K _i	= 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 _{oi}	= Potentiometric Surface (Fresh Water')	Feet
Q	= Average Adjusted Production Rate During Test	bbls/day
Q _i	= 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 to Rotary Table When Elevation Not Given, Fresh Water Corrected to 100 F.



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

FLUID SAMPLE DATA			
Sampler Pressure	0	P.S.I.G. at Surface	
Recovery: Cu. Ft. Gas			
cc. Oil			
cc. Water	2250		
cc. Mud			
Tot. Liquid cc.	2250		
Gravity	° API @ °F.		
Gas/Oil Ratio	cu. ft./bbl.		
RESISTIVITY		CHLORIDE CONTENT	
Recovery Water	1.11 @ 67 °F.	ppm	
Recovery Mud	1.22 @ 51 °F.	ppm	
Recovery Mud Filtrate	@ °F.	ppm	
Mud Pit Sample	1.31 @ 59 °F.	ppm	
Mud Pit Sample Filtrate	@ °F.	ppm	
Mud Weight	9.1	vis	70 sec

Date	1-23-78	Ticket Number	339460
Kind of Job	OPEN HOLE	Halliburton District	FARMINGTON
Tester	MR. HOEFER	Witness	MR. MOORE
Drilling Contractor	FOUR CORNERS DRILLING COMPANY RIG #3		
EQUIPMENT & HOLE DATA bcs			
Formation Tested	Entrada		
Elevation	6815'	Ft.	
Net Productive Interval	8'	Ft.	
All Depths Measured From	Kelly Bushing		
Total Depth	6609'	Ft.	
Main Hole/Casing Size	8 3/4"		
Drill Collar Length	627'	I.D.	2.25"
Drill Pipe Length	5917'	I.D.	3.826"
Packer Depth(s)	6580' - 6586'	Ft.	
Depth Tester Valve	6558'	Ft.	

TYPE	AMOUNT	Depth Back Ft.	Surface Choke	Bottom Choke
Cushion		Pres. Valve	3/4" ADJ.	3/4"
Recovered	200 Feet of	Water cut mud		
Recovered	5100 Feet of	Water		
Recovered	Feet of			
Recovered	Feet of			
Recovered	Feet of			
Remarks	SEE PRODUCTION TEST DATA SHEET.			

TEMPERATURE	Gauge No. 2032		Gauge No. 2033		Gauge No.		TIME		
	Depth:	6563' Ft.	Depth:	6605' Ft.	Depth:	Ft.			
Est. °F.	24 Hour Clock		12 Hour Clock		Hour Clock		Tool	A.M.	
	Blanked Off NO		Blanked Off YES		Blanked Off		Opened 5:23	P.M.	
Actual 165 °F.	Pressures		Pressures		Pressures		Opened	A.M.	
	Pressures		Pressures		Pressures		Bypass 9:08	P.M.	
	Field	Office	Field	Office	Field	Office	Reported	Computed	
Initial Hydrostatic	3173	3190	3172	3198			Minutes	Minutes	
First Period Flow	Initial	1254	2008	1253	2228				
	Final	2453	2464	2213	2487			15	15
	Closed in	2545	2572	2463	2588			30	30
Second Period Flow	Initial	2519	2555	2516	2563				
	Final	2571	2585	2542	2597			60	60
	Closed in	2571	2586	2542	2599			120	124
Third Period Flow	Initial								
	Final								
	Closed in								
Final Hydrostatic	3163	3195	3146	3212					

Legal Location Sec. - Twp. - Rng. 19 - 21 - 5
 Lease Name NAVAJO ALLOTTED
 Well No. 1
 Test No. 1
 Tested Interval 6586' - 6609'
 County SANDOVAL
 State NEW MEXICO
 Lease Owner/Company Name DOME PETROLEUM CORPORATION

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

INDICATE TYPE AND SIZE OF GAS MEASURING DEVICE USED

[illegible]

Gauge No. 2032				Depth 6563'				Clock No. 14121				12 hour				Ticket No. 339460			
First Flow Period				Closed In Pressure				Second Flow Period				Third Flow Period				Closed In Pressure			
Time Defl. .000"	PSIG Temp. Corr.	$\log \frac{t + \theta}{\theta}$		Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.
0	.0000	2008		.0000		.0000	2464	.0000	2555	.0000	2585								
1	.0100	2116		.0066		.0340	2508	.0680	2564	.3990	2586								
2	.0200	2227		.0132		.1020	2524	.1360	2576										
3	.0300	2316		.0198		.1700	2533	.2040	2581										
4	.0400	2387		.0264			2540		2584										
5	.0500	2464		.0330			2547		2585										
6				.0396			2552												
7				.0462			2556												
8				.0528			2559												
9				.0594			2561												
10				.0660			2564												
11				.0726			2565												
12				.0792			2568												
13				.0858			2569												
14				.0924			2570												
15				.0990			2572												

Gauge No. 2033				Depth 6605'				Clock No. 14128				12 hour				Minutes			
0	.0000	2228	.0000		2487	.0000	2563	.0000		2597									
1	.0196	2316	.0134		2538	.0667	2583	.8260		2599									
2	.0392	2356	.0268		2551	.1333	2591												
3	.0588	2401	.0402		2562	.2000	2594												
4	.0784	2444	.0536		2568	.2667	2595												
5	.0980	2487	.0670		2572	.3333	2595												
6			.0804		2575	.4000	2597												
7			.0938		2578														
8			.1072		2580														
9			.1206		2583														
10			.1340		2584														
11			.1474		2586														
12			.1608		2586														
13			.1742		2588														
14			.1876		2588														
15			.2010		2588														
Reading Interval 3				2				10											

SPECIAL PRESSURE DATA

	O. D.	I. D.	LENGTH	DEPTH
Drill Pipe or Tubing	6"	2.25"	1'	
Reversing Sub				
Water Cushion Valve				
Drill Pipe	4½"	3.826"	5917'	
Drill Collars	6½"	2.25"	627'	
Handling Sub & Choke Assembly				
Dual CIP Valve				
Dual CIP Sampler	5"	.89"	8'	6550'
Hydro-Spring Tester	5"	.75"	5'	6558'
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5"	3.50"	4'	6563'
Hydraulic Jar	5"	1.75"	5'	
VR Safety Joint	5"	1"	3'	
Pressure Equalizing Crossover				
Packer Assembly	7 3/4"	1.53"	6'	6580'
Distributor				
Packer Assembly	7 3/4"	1.53"	6'	6586'
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'	6605'
Total Depth				6609'