

FLUID SAMPLE DATA				Date 12-5-77		Ticket Number 281692	
Sampler Pressure 1250 P.S.I.G. at Surface Recovery: Cu. Ft. Gas 3.5 cc. Oil 200 cc. Water 1000 cc. Mud Tot. Liquid cc. 1200				Kind of Job OPEN HOLE		Halliburton District FARMINGTON	
				Tester MR. HOEFER		Witness MR. MOORE	
				Drilling Contractor FOUR CORNERS		BJS	
Gravity _____ ° API @ _____ ° F.				EQUIPMENT & HOLE DATA			
Gas/Oil Ratio _____ cu. ft./bbl.				Formation Tested Dakota			
RESISTIVITY				Elevation 6493' Ft.			
CHLORIDE CONTENT				Net Productive Interval 9' Ft.			
Recovery Water 2.87 @ 70 ° F. ppm				All Depths Measured From Kelly Bushing			
Recovery Mud 0.11 @ Cut ° F. ppm				Total Depth 4550' Ft.			
Recovery Mud Filtrate @ ° F. ppm				Main Hole/Casing Size 8 3/4"			
Mud Pit Sample 4.39 @ 56 ° F. ppm				Drill Collar Length 627' I.D. 2.25"			
Mud Pit Sample Filtrate @ ° F. ppm				Drill Pipe Length 3876' I.D. 3.826"			
Mud Weight 9.1 vis 29 sec				Packer Depth(s) 4535' 4541' Ft.			
				Depth Tester Valve 4513' Ft.			
TYPE		AMOUNT		Depth Back		Surface	
Cushion				Ft. Pres. Valve		Choke 3/4" Adj. Bottom Choke 3/4"	
Recovered	300	Feet of oil and gas cut mud.					
Recovered	940	Feet of gas cut water.					
Recovered		Feet of					
Recovered		Feet of					
Recovered		Feet of					
Remarks SEE PRODUCTION TEST DATA SHEET....							
TEMPERATURE		Gauge No. 6040		Gauge No. 6039		Gauge No.	
		Depth: 4518 Ft.		Depth: 4546 Ft.		Depth: Ft.	
		12 Hour Clock		24 Hour Clock		Hour Clock	
Est.	° F.	Blanked Off NO		Blanked Off YES		Blanked Off	
Actual	137 ° F.						
		Pressures		Pressures		Pressures	
		Field	Office	Field	Office	Field	Office
Initial Hydrostatic		2123	2127	2213	2146		
First Period	Flow Initial	94	106	109	120		
	Flow Final	241	250	245	251		
	Closed in	1866	1865	1874	1878		
Second Period	Flow Initial	241	237	245	239		
	Flow Final	455	453	462	457		
	Closed in	1826	1822	1833	1836		
Third Period	Flow Initial						
	Flow Final						
Final Hydrostatic		2028	2028	2105	2041		

Legal Location Sec. - Twp. - Rng. 24 21 9
 Lease Name GALLO WASH
 Well No. 1
 Test No. 2
 Tested Interval 4541' to 4550'

Field Area WILDCAT
 Meas. From Tester Valve
 County SAN JUAN
 State NEW MEXICO

DOME PETROLEUM CORPORATION
 Lease Owner/Company Name

Casing perms. _____ Bottom choke _____ Surf. temp. _____ °F Ticket No. 281692
 Gas gravity _____ Oil gravity _____ GOR _____
 Spec. gravity _____ Chlorides _____ ppm Res. _____ @ _____ °F

INDICATE TYPE AND SIZE OF GAS MEASURING DEVICE USED _____

Date Time	a.m. p.m.	Choke Size	Surface Pressure psi	Gas Rate MCF	Liquid Rate BPD	Remarks
1200						On location.
1205						Picked up and made up tools.
1:00						Started in the hole.
5:38						Opened tool with a strong blow.
5:45			18			Opened choke to 3/8"
5:45						Gas to surface.
5:50			20			
5:53			19			Closed tool
6:23						Opened tool - 3/8" choke.
6:25			5			
6:30			17			
6:35			19			
6:45			15			
6:50			13			
7:00			9			
7:10			4			
7:20			2			
7:23			1			Closed tool.
9:23						Opened bypass.
9:40						Started out of the hole.
11:10						Hit fluid at 1240'
						300' of oil and gas cut mud.
						940' gas cut water.
1:10						Out of the hole.
2:00						Left location.

	O. D.	I. D.	LENGTH	DEPTH
Drill Pipe or Tubing	6"	2.50"	1'	
Reversing Sub				
Water Cushion Valve				
Drill Pipe	4.50"	3.826"	3876'	
Drill Collars	6.50"	2.25"	627'	
Handling Sub & Choke Assembly				
Dual CIP Valve	5"	.89"	8'	4505'
Dual CIP Sampler	5"	.75"	5'	4513'
Hydro-Spring Tester				
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5"	3.50"	4'	4518'
Hydraulic Jar	5"	1.75"	5'	
VR Safety Joint	5"	1"	3'	
Pressure Equalizing Crossover				
Packer Assembly	7.75"	1.53"	6'	4535'
Distributor				
Packer Assembly	7.75"	1.53"	6'	4541'
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	5.75"	2.50"	4'	
Blanked-Off B.T. Running Case	5.75"	3.50"	4'	4546'
Total Depth				4550'

NOMENCLATURE

b	= Approximate Radius of Investigation	Feet
b_1	= Approximate Radius of Investigation (Net Pay Zone h_1)	Feet
D.R.	= Damage Ratio	
EI	= 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	bbbls/day
Q_1	= Theoretical Production w/Damage Removed	bbbls/day
Q_g	= 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	°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.

← PRESSURE →

← TIME →

281692-6040

281692-6039