

NEW MEXICO STATE 7

Lease Name

Well No.

Test No.

11905 - 12058'

Tested Interval

MARALO, INCORPORATED

Lease Owner/Company Name

Legal Location
Sec. - Twp. - Rng.

16 S 36 E

Field Area
WEST LOYINGTON

County

LEA

State
NEW MEXICO

FLUID SAMPLE DATA				Date 1-25-78		Ticket Number 319238	
Sampler Pressure 31 P.S.I.G. at Surface				Kind of Job OPEN HOLE		Halliburton District HOBBS	
Recovery: Cu. Ft. Gas _____				MR. MANNEY		Witness MR. BILL HUNT	
cc. Oil _____				Tester MR. ALBERTSON			
cc. Water _____				Drilling Contractor RIAL DRILLING COMPANY		SM	
cc. Mud 2200				EQUIPMENT & HOLE DATA			
Tot. Liquid cc. 2200				Formation Tested Pennsylvania			
Gravity _____ ° API @ _____ °F.				Elevation 4038' GL Ft.			
Gas/Oil Ratio _____ cu. ft./bbl.				Net Productive Interval 153' Ft.			
RESISTIVITY _____ CHLORIDE CONTENT _____				All Depths Measured From Rotary			
Recovery Water @ _____ °F. _____ ppm				Total Depth 12058' Ft.			
Recovery Mud @ _____ °F. _____ ppm				Main Hole/Casing Size 8 3/4"			
Recovery Mud Filtrate @ _____ °F. _____ ppm				Drill Collar Length 252' I.D. 2 1/4			
Mud Pit Sample @ _____ °F. _____ ppm				Drill Pipe Length 10617' I.D. 3.826"			
Mud Pit Sample Filtrate @ _____ °F. _____ ppm				Packer Depth(s) 11898-10905' Ft.			
Mud Weight 9 vis 46 sec				Depth Tester Valve 11881' Ft.			
TYPE		AMOUNT		Depth Back Pres. Valve		Surface Bubble Bottom Choke	
Cushion						hose .75"	
Recovered		124 Feet of drilling fluid					
Recovered		Feet of					
Recovered		Feet of					
Recovered		Feet of					
Recovered		Feet of					
Remarks SEE PRODUCTION TEST DATA SHEET							
TEMPERATURE		Gauge No. 1928		Gauge No. 1927		Gauge No.	
Depth: 11883 Ft.		Depth: 12054 Ft.		Depth: Ft.		TIME	
Est. 170 °F.		24 Hour Clock		24 Hour Clock		Hour Clock	
Blanked Off no		Blanked Off yes		Blanked Off		Tool A.M.	
Actual °F.		Pressures		Pressures		Opened 1130 P.M.	
		Field Office		Field Office		Opened A.M.	
		Field Office		Field Office		Bypass 1615 P.M.	
		Field Office		Field Office		Reported Minutes	
		Field Office		Field Office		Computed Minutes	
Initial Hydrostatic		5632 5555		5736 5700			
First Period Flow Initial		68 75		140 150			
Final		91 75		164 147			
Closed in		2455 2395		2510 2527		15	
						60	
Second Period Flow Initial		91 116		164 196			
Final		114 100		187 180			
Closed in		592 585		701 678		90	
						120	
Third Period Flow Initial							
Final							
Closed in							
Final Hydrostatic		5632 5512		5690 5635			

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Casing perms. _____ Bottom choke _____ Surf. temp. _____ °F Ticket No. 319238
 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
2330						On location 1-24-78
0400						Picked up tools
0430						Made up tools
0600						Ran in hole
1130		Bubble hose				Opened with very weak blow
1135		"				No change
1140		"				No change
1145		"				No change, closed tool
1245		"				Opened tool with very weak blow, hose
		"				1/2" in bucket
1250		"				Hose 2" in bucket, increasing
1255		"				Hose 2 3/4" in bucket, increasing
1300		"				Hose 3 1/2" in bucket, increasing
1315		"				Hose 4 1/4" in bucket, increasing
1330		"	1/8"			Increasing
1345		"	1/8"			No increase
1400		"				Hose 3" in bucket, decreasing
1415		"				Closed tool
1615						Pulled loose
1620						Pulled out of the hole.

HALLIBURTON DIVISION LABORATORY

HALLIBURTON SERVICES
MIDLAND DIVISION
HOBBS, NEW MEXICO 88240

TICKET NO: 319238

LABORATORY WATER ANALYSIS

No. W78-078To Maralo, Inc.Date 1-26-78Box 832Midland, Texas

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Submitted by _____ Date Rec. 1-26-78Well No. NM St. "7" #1 Depth 12,058' Formation PennCounty Lea Field W. Lovington Source DST #3

	<u>Sampler</u>	<u>Tool Top</u>	<u>Top of Recovery</u>
Resistivity	<u>1.32 @ 70°F.</u>	<u>1.10 @ 70°F.</u>	<u>2.51 @ 70°F.</u>
Specific Gravity	_____	_____	_____
pH	_____	_____	_____
Calcium (Ca)	_____	_____	_____ *MPL
Magnesium (Mg)	_____	_____	_____
Chlorides (Cl)	<u>1,000</u>	<u>1,500</u>	<u>500</u>
Sulfates (SO ₄)	_____	_____	_____
Bicarbonates (HCO ₃)	_____	_____	_____
Soluble Iron (Fe)	_____	_____	_____

<u>Fit Sample - Res. @ 70°F. - 1.32 Chlorides, mpl - 1,000</u>			

Remarks: _____ *Milligrams per liter

Respectfully submitted,

Analyst: Brewer
cc: _____

HALLIBURTON COMPANY

By _____

CHEMIST

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	O. D.	I. D.	LENGTH	DEPTH
Drill Pipe or Tubing				
Reversing Sub	6"	3"	1'	
Water Cushion Valve				
Drill Pipe	4 1/2"	3.826"	10617'	
Drill Collars	6 1/2"	2 1/4"	252'	
Handing Sub & Choke Assembly X over	5 3/4"	3"	1'	
Dual CIP Valve				
Dual CIP Sampler	5"	.75"	7'	11872'
Hydro-Spring Tester	5"	.75"	4'	11881'
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5"	3.25"	5'	11883'
Hydraulic Jar	5"	1.75"	5'	
VR Safety Joint	5"	1"	3'	
Pressure Equalizing Crossover				
Packer Assembly	7 3/4"	1.53"	5'	11898'
Distributor	5"	1.68"	2'	
Packer Assembly	7 3/4"	1.53"	5'	11905'
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	5.75"		4'	
Star Watt Anchor X over	5.75"	2 1/4"	1'	
Drill Collars	6 1/2"	2 1/4"	125'	
X over	5.75"	2 1/8"	1'	
Flush Joint Anchor	5.75"	3.50"	15'	
Blanked-Off B.T. Running Case	5.75"	3.50"	5'	12054'
Total Depth				12058'