

Legal Location
Sec. - Twp. - Rng.

25-17N-60E

Field Area

WILDCAT N. LAS VEGAS

County

SAN MIGUEL

State

NEW MEXICO

FLUID SAMPLE DATA				Date 7-3-74		Ticket Number 630952	
Sampler Pressure 60 P.S.I.G. at Surface				Kind of Job OPEN HOLE		Holliburton District LOVINGTON	
Recovery: Cu. Ft. Gas 0				Tester MR. PAPPAS		Witness MR. HARDWICK	
cc. Oil 200				Drilling Contractor CAPITAN DRILLING COMPANY DR S			
cc. Water 2300				EQUIPMENT & HOLE DATA			
cc. Mud				Formation Tested Lower Pennsylvania			
Tot. Liquid cc. 2500				Elevation - Ft.			
Gravity _____ ° API @ _____ °F.				Net Productive Interval 26' Ft.			
Gas/Oil Ratio _____ cu. ft./bbl.				All Depths Measured From Rotary Table			
RESISTIVITY				Total Depth 4718' Ft.			
CHLORIDE CONTENT				Main Hole/Casing Size 7 7/8"			
Recovery Water 0.187 @ 78 °F. 22500 ppm				Drill Collar Length 626' I.D. 2.25"			
Recovery Mud @ _____ °F. _____ ppm				Drill Pipe Length 3923' I.D. 3.826"			
Recovery Mud Filtrate @ _____ °F. _____ ppm				Packer Depth(s) 4614'-4620' Ft.			
Mud Pit Sample 0.135 @ 78 °F. 30,500 ppm				Depth Tester Valve 4591' Ft.			
Mud Pit Sample Filtrate @ _____ °F. _____ ppm							
Mud Weight 8.9 vis 50 cp							
TYPE		AMOUNT		Depth Back Pres. Valve		Surface Choke 1" Adj. Bottom Choke .75"	
Cushion							
Recovered 820		Feet of total fluid					
Recovered 450		Feet of slightly gas cut drilling fluid					
Recovered 370		Feet of water					
Recovered		Feet of					
Recovered		Feet of					
Remarks SEE PRODUCTION TEST DATA SHEET							
TEMPERATURE		Gauge No. 1636		Gauge No. 35		Gauge No.	
Depth: 4710 Ft.		Depth: 4714 Ft.		Depth: Ft.		TIME	
Est. °F.		12 Hour Clock		12 Hour Clock		Hour Clock	
Blanked Off No		Blanked Off Yes		Blanked Off		Tool A.M.	
Actual 98 °F.		Pressures		Pressures		Opened 6:20 P.M.	
		Field Office		Field Office		Opened A.M.	
		Field Office		Field Office		Bypass 11:52 P.M.	
		Field Office		Field Office		Reported Minutes	
		Field Office		Field Office		Computed Minutes	
Initial Hydrostatic		2179 2184		2538 2190			
Flow Initial		161 191		190 191			
Flow Final		275 271		264 279			
Closed in		961 952		947 950		15 15	
						45 46	
Flow Initial		192 190		191 191			
Flow Final		344 339		338 341			
Closed in		1695 1690		1687 1688		90 90	
						180 179	
Flow Initial							
Flow Final							
Closed in							
Final Hydrostatic		2156 2145		2325 2148			

FLUID SAMPLE DATA				Date 7-4-74		Ticket Number 630953			
Sampler Pressure <u>0</u> P.S.I.G. at Surface Recovery: Cu. Ft. Gas _____ cc. Oil _____ cc. Water _____ cc. Mud <u>1800</u> Tot. Liquid cc. <u>1800</u> Gravity _____ ° API @ _____ °F. Gas/Oil Ratio _____ cu. ft./bbl.				Kind of Job STRADDLE TEST OPEN HOLE Tester PAPPAS THURMAN		Halliburton District LOVINGTON Witness HARDWICK			
Drilling Contractor CAPITAN DRILLING COMPANY NM S				EQUIPMENT & HOLE DATA					
RESISTIVITY _____ CHLORIDE CONTENT _____ Recovery Water <u>.130</u> @ <u>74</u> °F. <u>33,500</u> ppm Recovery Mud _____ @ _____ °F. _____ ppm Recovery Mud Filtrate <u>153</u> @ <u>74</u> °F. <u>27,000</u> ppm Mud Pit Sample _____ @ _____ °F. _____ ppm Mud Pit Sample Filtrate _____ @ _____ °F. _____ ppm Mud Weight <u>8.9</u> vis <u>50</u> cp				Formation Tested <u>Lower Pennsylvania</u> Elevation <u>6043'</u> ? Ft. Net Productive Interval <u>12'</u> Ft. All Depths Measured From <u>Kelly Bushing</u> Total Depth <u>4718'</u> Ft. Main Hole/Casing Size <u>7 7/8"</u> Drill Collar Length <u>626'</u> I.D. <u>2.25"</u> Drill Pipe Length <u>3998'</u> I.D. <u>3.826"</u> Packer Depth(s) <u>4617' - 4623' - 4680' - 4686'</u> Ft. Depth Tester Valve <u>4577'</u> Ft.					
TYPE NONE AMOUNT _____ Cushion _____ Ft.		Depth Back Pres. Valve NONE		Surface Choke 1" ADJ.		Bottom Choke .75"			
Recovered <u>180'</u> Feet of <u>drilling mud</u>				Field Area WILDCAT Meo. From Tester Valve _____ County SAN MIGUEL State NEW MEXICO					
Recovered _____ Feet of _____									
Recovered _____ Feet of _____									
Recovered _____ Feet of _____									
Recovered _____ Feet of _____									
Remarks <u>Tool opened with a good blow - which was increasing during the</u> <u>15 minute first flow. Closed tool for a 33 minute first closed in pressure.</u> <u>Tool reopened for a 115 minute second flow with a good blow - which decreased.</u> <u>Took a 180 minute second closed in pressure.</u>									
TEMPERATURE Gauge No. <u>1636</u> Depth: <u>4597'</u> Ft. Est. _____ °F. <u>4177' @</u> Actual <u>98°</u>		Gauge No. <u>35</u> Depth: <u>4640'</u> Ft. Blanked Off <u>NO</u> Pressures		Gauge No. _____ Depth: _____ Ft. Blanked Off <u>YES</u> Pressures		TIME Hour Clock _____ Tool Opened <u>11:35</u> A.M. Opened _____ A.M. Bypass <u>5:18</u> P.M.			
		Field Office Initial Hydrostatic <u>2087</u> <u>2124</u> First Period Flow Initial <u>69</u> <u>78</u> Final <u>69</u> <u>75</u> Closed in <u>624</u> <u>662</u> Second Period Flow Initial <u>69</u> <u>74</u> Final <u>69</u> <u>74</u> Closed in <u>1672</u> <u>1654</u> Third Period Flow Initial _____ Final _____ Closed in _____ Final Hydrostatic <u>2087</u> <u>2050</u>		Field Office Initial Hydrostatic <u>2112</u> <u>2133</u> First Period Flow Initial <u>84</u> <u>152</u> Final <u>84</u> <u>81</u> Closed in <u>633</u> <u>668</u> Second Period Flow Initial <u>84</u> <u>79</u> Final <u>84</u> <u>88</u> Closed in <u>1644</u> <u>1661</u> Third Period Flow Initial _____ Final _____ Closed in _____ Final Hydrostatic <u>2091</u> <u>2077</u>		Field Office Initial Hydrostatic _____ First Period Flow Initial _____ Final _____ Closed in _____ Second Period Flow Initial _____ Final _____ Closed in _____ Third Period Flow Initial _____ Final _____ Closed in _____ Final Hydrostatic _____		Reported Computed Minutes Minutes _____ <u>15</u> <u>15</u> <u>33</u> <u>33</u> <u>115</u> <u>115</u> <u>180</u> <u>180</u> _____ _____	