FLUID SAMPLE DATA

Sampler Pressure _____ P.S.I.G. at Surface

Recovery: Cu. Ft. Gas _____

cc. Oil _____

cc. Water _____

cc. Mud 2200

Tot. Liquid cc. 2200

Gravity _____ ° API @ _____ °F.

Gas/Oil Ratio _____ cu. ft./bbl.

	RESISTIVITY		CHLORIDE CONTENT
Recovery Water	@ °F.		ppm
Recovery Mud	@ °F.		ppm
Recovery Mud Filtrate	@ °F.		ppm
Mud Pit Sample	@ °F.		ppm
Mud Pit Sample Filtrate	@ °F.		ppm

Mud Weight 9.6 vis 40 Sec. cp

Date 12-15-76 Ticket Number 008930

Kind of Job OPEN HOLE TEST Halliburton District FARMINGTON

Tester G.K. SMITH Witness K. FOLK

Drilling Contractor COLEMAN PW

EQUIPMENT & HOLE DATA

Formation Tested Pictured Cliff

Elevation 6543' Ft.

Net Productive Interval 89' Ft.

All Depths Measured From Rotary Kelly Bushing

Total Depth 3523' Ft.

Main Hole/Casing Size 8 3/4"

Drill Collar Length 554' I.D. 2 1/4"

Drill Pipe Length 2843' I.D. 3.826"

Packer Depth(s) 3428' - 3434' Ft.

Depth Tester Valve 3412' Ft.

Cushion TYPE AMOUNT Ft. Depth Back Pres. Valve Surface Choke 3/4" Adj. Bottom Choke 3/4"

Recovered 220 Feet of drilling mud.

Recovered Feet of

Recovered Feet of

Recovered Feet of

Recovered Feet of

Remarks SEE PRODUCTION TEST DATA SHEET....

Mea. From Tester Valve

TEMPERATURE	Gauge No. 2033		Gauge No. 2032		Gauge No.		TIME	
	Depth: 3416 Ft.		Depth: 3519 Ft.		Depth: Ft.			
	24 Hour Clock		12 Hour Clock		Hour Clock		Tool Opened 1330	A.M. P.M.
Est. °F.	Blanked Off no		Blanked Off yes		Blanked Off		Opened Bypass 1715	A.M. P.M.
Actual 118°F.	Pressures		Pressures		Pressures			
	Field	Office	Field	Office	Field	Office	Reported Minutes	Computed Minutes
Initial Hydrostatic	1819	1858	1900	1904				
First Period Flow Initial	106	101	212	212			—	—
First Period Flow Final	106	124	212	212			15	
First Period Closed in	212	235	318	292			30	
Second Period Flow Initial	132	130	212	206			—	—
Second Period Flow Final	132	146	212	202			60	
Second Period Closed in	238	255	292	311			120	
Third Period Flow Initial							—	—
Third Period Flow Final								
Third Period Closed in								
Final Hydrostatic	1819	1847	1873	1891			—	—

Legal Location Sec. - Twp. - Rng. 25 - 32 N - 9 W

Lease Name GARDNER

Well No. 4

Test No. 2

Test Interval 3434' - 3523'

Field Area BLANCO M.V.

County SAN JUAN

State NEW MEXICO

Oil Co. Owner Company Name KOCH EXPLORATION COMPANY

FORM 1111 PRINTED IN U.S.A.

FORMATION TEST DATA

LITTLE'S 96671 R.M. 8/74

1

Casing perfs. _____ Bottom choke _____ Surf. temp _____ °F Ticket No. 008930

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
1000					Picked up tools and tripped in hole.
1330					Opened tool with a fair blow.
1352					Blow increased to a good blow.
1345					Closed tool.
1415					Reopened tool with no blow.
1416					Very weak blow, continued through test.
1515					Closed tool.
1715					Tripped out.

FORM 102 R1 PRINTED IN U.S.A.

PRODUCTION TEST DATA

LITTLE'S 96672 5M 8/74

2

Total Depth ..... 3523'

FORM 117 R1—PRINTED IN U.S.A.

EQUIPMENT DATA

LITTLE'S 96676 75M 8/74