Copy to SF

FLUID SAMPLE DATA

Sampler Pressure	300 P.S.I.G. at Surface
Recovery: Cu. Ft. Gas	1.2
cc. Oil	600
cc. Water	300
cc. Mud	
Tot. Liquid cc.	900
Gravity	° API @ °F.
Gas/Oil Ratio	cu. ft./bbl.

	RESISTIVITY	CHLORIDE CONTENT
Recovery Water	@ °F.	ppm
Recovery Mud	@ °F.	
Recovery Mud Filtrate	@ °F.	ppm
Mud Pit Sample	@ °F.	
Mud Pit Sample Filtrate	@ °F.	ppm
Mud Weight	10.1 vis 32 cp	

Date	2-9-73	Ticket Number	387825
Kind of Job	OPEN HOLE	Halliburton District	ARTESIA
Tester	MR. MURDOCK	Witness	MR. JOHNSON
Drilling Contractor	BIG WEST DRILLING COMPANY		BC S

EQUIPMENT & HOLE DATA

Formation Tested	Delaware
Elevation	Ft.
Net Productive Interval	14' Ft.
All Depths Measured From	19' Above Ground Level
Total Depth	4490' Ft.
Main Hole/Casing Size	12¼"
Drill Collar Length	363' I.D. 3"
Drill Pipe Length	4127' I.D. 4.276"
Packer Depth(s)	4444' - 4450' Ft.
Depth Tester Valve	4411' Ft.

Cushion TYPE	AMOUNT	Ft.	Depth Back Pres. Valve	Surface Choke	1" ADJ.	Bottom Choke	3/4"

Recovered	300	Feet of	Free oil
Recovered	642	Feet of	Oil and gas cut drilling fluid
Recovered		Feet of	
Recovered		Feet of	
Recovered		Feet of	

Meas. From Tester Valve

Remarks: See production test data sheet.

TEMPERATURE	Gauge No. 512		Gauge No. 113		Gauge No.		TIME	
	Depth: 4431 Ft.		Depth: 4486' Ft.		Depth: Ft.			
	12 Hour Clock		24 Hour Clock		Hour Clock		Tool Opened	~~A.M.~~ 12:05 P.M.
Est. °F.	Blanked Off No		Blanked Off Yes		Blanked Off			
Actual 82 °F.	Pressures		Pressures		Pressures		Tool Closed	~~A.M.~~ 9:30 P.M.
	Field	Office	Field	Office	Field	Office	Reported Minutes	Computed Minutes
Initial Hydrostatic	2297	2293	2290	2319				
First Period Flow Initial	80	106	107	125			—	—
First Period Flow Final	148	167	175	186			40	39
First Period Closed in	1938	1993	1986	2011			95	96
Second Period Flow Initial	148	164	175	182			—	—
Second Period Flow Final	283	306	296	322			92	90
Second Period Closed in	1965	2005	1999	2019			70	72
Third Period Flow Initial	310	323	336	341			—	—
Third Period Flow Final	417	443	444	461			80	78
Third Period Closed in	2018	2042 CTE	2052	2079			188	190
Final Hydrostatic	CTE	CTE	2304	2325			—	—

CTE = Chart time expired after 110 minutes of third closed in pressure on B.T. #512

Legal Location Sec. - Twp. - Rng.: 24 - 22S - 26E

Lease Name: GRACE-ATLANTIC

Well No.: 1

Test No.: -

Tested Interval: 4450' - 4490'

Field Area: WILDCAT-S. of CARLSBAD

County: EDDY

State: NEW MEXICO

Lease Owner/Company Name: MICHEAL P. GRACE II

FORMATION TEST DATA

LITTLE & 95217 10M 2/72