


BJ-HUGHES Inc.

A SUBSIDIARY OF HUGHES TOOL COMPANY

P.O. BOX 2250 LONG BEACH, CALIFORNIA 90801

TREATMENT LOG

Date 11/21/87 District Brighton F.O. No. 3241
 Company TIAZUMA Turnkey Contractors Inc
 Fee ALLS Well No. 7-3R
 County Weld State COLO
 Location _____ Field _____

Casing: Size 4 1/2 Type & Wt. _____ Set at _____ ft.
 Perf. From 6411 ft. to 6574 ft. No. of Perf. 15
 From _____ ft. to _____ ft. No. of Perf. _____
 From _____ ft. to _____ ft. No. of Perf. _____

Liner: Size _____ Type & Wt. _____ Top at _____ ft. Bottom at _____ ft.
 Cemented: Yes/No. Perforated From _____ ft. to _____ ft.
 Tubing: Size _____ Swung at _____ ft.
 Perforated From _____ ft. to _____ ft.

Formation: Code 11
 Open Hole Size _____ T.D. _____ ft. P.B. to _____ ft.

 Type Treatment: Acid

Breakdown _____

Flush _____

Treated From _____ ft. to _____ ft. No. ft. _____
 From _____ ft. to _____ ft. No. ft. _____
 From _____ ft. to _____ ft. No. ft. _____

Calculated Volume to: Load Hole _____ Bbl./Gal. Reach Form. _____ Bbl./Gal.

Actual Volume of Oil/Water to Load Hole: _____ Bbl./Gal.

Pump Trucks Used: _____

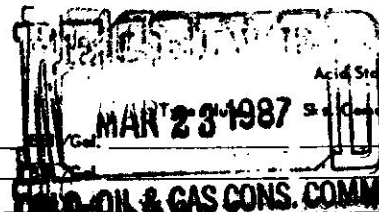
Auxiliary Equipment _____

Packer: _____

Auxiliary Tools _____

Plugging or Sealing Materials: Type & Amt. _____

SOB (No & Type) _____



00171743

 Company Representative Steve Ricks

 Treater MARK CUY

TIME A.M./P.M.	PRESSURES		FLUID PUMPED DATA GAL./BBL.				REMARKS
	TUBING	CASING	TOTAL FLUID PUMPED	FLUID IN FORMATION	PUMPED PER TIME PERIOD	PUMPED PER MIN.	
10:40		6720					TEST LINES
10:50		370			0		START ACID
10:52		2406	12		12	8.0	START PAD
11:01		5010	350		238	32.2	START 100 MESH 1" I
11:04		5080	341		91	33.3	100 MESH ON FORMATION
11:26		5060	373		52	32.3	START 2" 100 MESH
11:11		4740	560		167	33.7	START 2" 20/40
11:18		4600	718		238	37.4	START 3" 20/40
11:26		4630	1036		238	37.0	START 4" 20/40
11:33		4700	1276		240	38.4	CK RATE & PSI
11:48		4510	1750		474	38.3	START 5" 20/40
11:50		4480	1841		71	38.4	5" ON FORMATION - 26" BBL
11:52		4420	2012		171	38.5	START 6" SAND
12:06		4320	2317		325	38.8	START 6" RESIN COATED
12:08		4320	2378		75	37.2	START FLUSH
12:12	ISIP	3490	2487		71	-	FLUSHED
	5 M.N	3430			24		
	10 M.N	3400			24		
	15 M.N	3380					
			TOTAL FLUID BY STRIP 2405 BBL				
			TOTAL FLUID PUMPED FLOWMETER = 2487				
			MAX PSI = 5100#				
			MAX RATE = 39.2				
			AVERAGE PSI = 4600#				
			AVERAGE RATE = 38 BPM				
			TOTAL 100 mesh Pumped = 20,000#				
			TOTAL Resin Coated Pumped = 120,000#				
			TOTAL 20/40 Pumped = 250,000#				
			TOTAL SAND Pumped = 330,000#				