

TREATMENT REPORT

DWL-494-C
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TREATMENT NO. 5-13-1409



DOWELL DIVISION OF THE DOW CHEMICAL COMPANY

STAGE NO.

TYPE OF TREATMENT 33000 gal Leasefrac		DISTRICT Midtex #5	STATION Artesia #13	DATE April 14, 1961
OWNER Meek & Jennings		WELL NAME AND NUMBER State #2		POOL Shagbort
COUNTY Yddy	STATE New Mexico	LOCATION Sec 2, T19S, R11E		OWNER'S REPRESENTATIVE Mr. Carl M. Hall
1 TYPE OF WELL ☒ A. OIL ☐ B. WATER ☐ C. GAS ☐ D. WATER INJ ☐ E. WASTE DISP. ☐ F. OTHER	2 FORMATION Grayburg		3 C. RECOMPLETION ☒ A. NEW WELL ☐ B. REWORK	
3 TOTAL DEPTH 4117	4 BOTTOM HOLE TEMP.	5 SACKS CEMENT	6 TYPE OF COMPLETION	
7 DRILL FLUID USED ☐ A. WATER BASE ☐ B. OIL BASE ☐ C. AIR OR GAS ☐ D. OTHER	8 WATER (BPD)	9 OIL (BPD)	10 GAS (MCF/D)	11 PRESENT PRODUCTION WATER (BPD) OIL (BPD) GAS (MCF/D)
10 CASING SIZE & DEPTH 4 1/2" 914	11 TYPE OF CASING ☒ A. N-80 ☐ B. J-55 ☐ C. H-40 ☐ D. P-110 ☐ E. LAPWELD ☐ F. OTHER	12 CASING VOLUME 67 bbl	13 ALLOWABLE CSG. PRESS. 3000	14 LINER FROM TO
16 TUBING SIZE Out	17 DEPTH OF TUBING ☐ PERF. ☐ O.E. ☐ BULLPLUG	18 TUBING VOLUME	19 ALLOWABLE TBG. PRESS.	20 NAME OF PACKER
22 O.H. OR PERF. O.H. SIZE SHOTS/FT FROM TO	CHECK ZONE TREATED	O.H. SIZE SHOTS/FT FROM TO	CHECK ZONE TREATED	TREATING MATERIALS TYPE AMOUNT
2 4092 4098				10-40 sand 90000
6 4098 4104				

23 PREVIOUS TREATMENT RECORD (SHOW DATES) **Fracted zones 2 times - 1959 & 1960 Oct 6, (5-13-1177)**

24 PUMPING EQUIPMENT 3 A-pumps		POUNDS SAND PER GAL. 25 MAX. 3 1/2 MIN. 1 1/2 AVG. 2.7		JOB DONE ☐ A. TBG. ☐ ANNULUS DOWN ☒ B. CSG.		AVERAGE RATE 27 TREATING FLUID 29.2	
28 TOTAL BBLs. PUMPED 20 bbl		29 TREATING FLUID 780 bbl		30 FLUSH 200 bbl		31 MAXIMUM TREATING PRESS. 3600	
32 TREATING PRESS. 2000		PSI AT 30		33 SHUT IN PRESSURE BPM IMMEDIATELY AFTER JOB 1400		34 SHUT IN PRESSURE AT 10 MINUTES LATER 1200	
TIME A.M. OR P.M.	PRESSURE CASING TUBING		BARRELS OF FLUID OUT OF TANKS PER READING IN FORMATION PER MINUTE		ARRIVED AT LOCATION 7:00 A.M./ AK		
REMARKS							
8:07					Spot trucks & hook to well		
8:13					Pressure Dowell connections to 3500 PSI		
8:14	3300				Pressure Well		
8:15	2650	20	20		Start breakdown - broke to 2000 PSI		
8:16	2700				Start sand at 1/2 lb/gal		
8:18	2000				Increase sand to 1 lb/gal		
8:20	2550				Increase sand to 1 1/2 lb/gal - 1 pump slow		
8:21	2550				Increase sand to 2 lb/gal - speed pump		
8:23	2500				Increase sand to 2 1/2 lb/gal		
8:25	2500				Increase sand to 3 lb/gal		
8:32					Increase sand to 3 1/2 lb/gal		
8:34	2500				Blender unable to supply oil - cut sand		
8:35	2600				Start sand at 1 lb/gal		
8:36	2700				Increase sand to 2 lb/gal		
8:37	2700				Pressure reading		
8:39	2700				Increase sand to 3 lb/gal		
8:47	2600	800	780	29.2	Increase sand to 3 1/2 lb/gal		
8:48	3400				Cut sand		
8:50	3400	850	50	16.7	Slow pumps		
8:54 1/2	2800				Shut down - bleed to nit		
8:55 1/2	3400				Start pumps		
8:56	3200				Sand cleared		
8:59	3200	1000	150		Pumps open		
					Flush complete		
TIME LEFT LOCATION 10:00 A.M./ AK							

ENGINEER

Jerry Stone