CEMENTING SERVICE REPORT

DOWELL DIVISION OF DOW CHEMICAL U.S.A.

TREATMENT NUMBER 02-13-8269 DATE 4-10-78

STAGE DOWELL DISTRICT ARTESIA, NEW MEXICO

WELL NAME AND NO. TERRA STATE #5

LOCATION POOL FIELD SEC 15 T23S-R26E

FORMATION ARROW

COUNTY EDDY

DOWELL REPRESENTATIVE C. COLLIE

STATE NEW MEXICO

NAME J.M. HUBER CORPORATION

ADDRESS 1900 WILCO BUILDING MIDLAND, TEXAS

ZIP CODE 79702

RIG NAME MSW #2

WELL DATA

HOLE SIZE 7 7/8	CASING OR LINER	A	B	C	D
DEPTH	SIZE WEIGHT	H.L.			
☑ BOT ☐ CABLE	TOP				
BHST	BOTTOM				
BHLT	GRADE & THREAD				
BHCT	CAPACITY				
MUD TYPE	WT 7.8 # VISC				
TOOLS A TYPE / DEPTH	N/A	TOOLS B TYPE / DEPTH	N/A		
TOOLS C TYPE / DEPTH					
TBG SIZE 4 1/2"					
WEIGHT					
GRADE FULLBORE					
THREAD					
☐ NEW ☐ USED					
DEPTH					
CAPAC IN 0.0232 BBL/FT					

SPECIAL INSTRUCTIONS

RAN 1 JT 4 1/2" WITH 5 SACKS CEMENT
PLUG CEMENT - PLUGS & MF
PLUGS: 2250' - 2350' - 50 SACKS
2000 - 2100 - 55 SACKS
1000 - 1100 - 100 SACKS
TOP 100 - 400 - 100 SACKS
MARKER 100 - 225 - 115 SACKS
See Page 2 of 2

☐ RECIPROCATE FT ☐ CENTRALIZERS NO

SQUEEZE JOB: ☐ DOUBLE ☐ SINGLE ☐ SWAGE ☐ KNOCKOFF

TOOL TYPE / DEPTH

TAIL PIPE IN FT

PERF INTERVAL FT

TO / TO / TO

PRESSURE LIMIT PSI BUMP PLUG TO PSI MIN

☐ ROTATE RPM ☐ RECIPROCATE FT ☐ CENTRALIZERS NO

JOB SCHEDULED FOR TIME DATE

ARRIVED ON LOCATION TIME 1:00 DATE 4-11-78

LEFT LOCATION TIME 0230 DATE 4-11-78

TIME	PRESSURE TBG OR D.P.	PRESSURE CASING	VOLUME PUMPED	INJECT RATE	SERVICE LOG DETAIL
2110					HOLD SAFETY MEETING & HOOK-UP
2114	1st PLUG			2	Break Circulation
2115			2	3	St. Slurry for 1st Plug
2117			5.8	5	To Shut Displacement (9.8 #/gal)
2124			36.7	5	STOP Pump - Disconnect from D.P. - Wash Up
2152	2ND PLUG			3	Break Circulation w/ Prime
2154			8.0	5	To Slurry (@ 14.8 #/gal)
2155			5.8	5	To Final Displacement
2202			29.7	5	Stop Pump - Disconnect from D.P. - Wash Up
2238	3RD PLUG			5	Break Circulation w/ Prime
2240			5.0	5	To Slurry (@ 14.8 #/gal)
2242			2.5	5	To Final Displacement
2239			21.5		Stop Pump - Disconnect from D.P. - Wash Up
2223	4th PLUG			5	Break Circulation w/ Prime
2226				5	To Slurry (@ 14.8 #/gal)
2230			23.5	5	To Prime Displacement
2232			12.8		Stop Pump - Disconnect - Wash Up

REMARKS

1st	100	1:2 Class "C" w/ 2% CC	58	23	14.8
2nd	100	1:2 Class "C" w/ 2% CC	58	23	14.8
3rd	100	1:2 Class "C" w/ 2% CC	58	23	14.8
4th	100	1:2 Class "C" w/ 2% CC	58	23	14.8

WITNESSED BY N/A

CIRCULATION LOST ☐ YES ☐ NO

CEMENT CIRCULATED TO SURF ☐ YES ☐ NO

CEMENT LEFT IN PIPE FT

☐ PLANNED ☐ UNPLANNED

DOES CUSTOMER CONSIDER SERVICE ☐ SATISFACTORY ☐ UNSATISFACTORY ☐ UNKNOWN

☐ OIL ☐ STORAGE ☐ SALT WATER ☐ GAS ☐ INJECTION ☐ WILDCAT

CUSTOMER REPRESENTATIVE MR. TERRED GUTIERREZ

CEMENTING SERVICE REPORT

DOWELL DIVISION OF DOW CHEMICAL U.S.A.

TREATMENT NUMBER 02-13-8269 DATE 4-10-78

STAGE DOWELL DISTRICT ARTESIA, NEW MEXICO

WELL NAME AND NO. TERRA STATE #5

LOCATION POOL FIELD SEC 15-23-26

FORMATION

COUNTY

DOWELL REPRESENTATIVE

STATE

NAME J.M. HUBER CORPORATION

ADDRESS 1900 WILCO BUILDING MIDLAND, TEXAS

ZIP CODE 79702

RIG NAME MSW

WELL DATA

HOLE SIZE	CASING OR LINER	A	B	C	D
DEPTH	SIZE WEIGHT				
☐ BOT ☐ CABLE	TOP				
BHST	BOTTOM				
BHLT	GRADE & THREAD				
BHCT	CAPACITY				
MUD TYPE	WT VISC				
TOOLS A TYPE / DEPTH	See Page 1	TOOLS B TYPE / DEPTH			
TOOLS C TYPE / DEPTH					
TBG SIZE					
WEIGHT					
GRADE					
THREAD					
☐ NEW ☐ USED					
DEPTH					
CAPACITY					

SPECIAL INSTRUCTIONS

See Page 1

Page 2 of 2

☐ ROTATE RPM ☐ RECIPROCATE FT ☐ CENTRALIZERS NO

SQUEEZE JOB: ☐ DOUBLE ☐ SINGLE ☐ SWAGE ☐ KNOCKOFF

TOOL TYPE / DEPTH

TAIL PIPE IN FT

PERF INTERVAL FT

TO / TO / TO

PRESSURE LIMIT PSI BUMP PLUG TO PSI MIN

JOB SCHEDULED FOR TIME DATE

ARRIVED ON LOCATION TIME DATE

LEFT LOCATION TIME 11:1 DATE

TIME	PRESSURE TBG OR D.P.	PRESSURE CASING	VOLUME PUMPED	INJECT RATE	SERVICE LOG DETAIL
2246	4th Plug			5	Break Circulation w/ Prime Water
2247			2	5	To Slurry (@ 14.8 #/gallon)
2254			26.6	5	To Prime Displacement
2256			7.9		Stop Pump - Disconnect from D.P. - Wash Up
	TOP MARKER				Left 20 sacks cement on ground

RECEIVED

MAY - 3 1978

O.C.C.
ARTESIA, OFFICE

REMARKS

1st	100	1:2 Class "C" w/ 2% CC	58	23	14.8
2nd	100	1:2 Class "C" w/ 2% CC	58	23	14.8
3rd	100	1:2 Class "C" w/ 2% CC	58	23	14.8
4th	100	1:2 Class "C" w/ 2% CC	58	23	14.8
TOP MARKER	20	1:2 Class "C" w/ 2% CC	23.5	23	14.8

WITNESSED BY

CIRCULATION LOST ☐ YES ☐ NO

CEMENT CIRCULATED TO SURF ☐ YES ☐ NO

CEMENT LEFT IN PIPE FT

☐ PLANNED ☐ UNPLANNED

DOES CUSTOMER CONSIDER SERVICE

☐ OIL ☐ STORAGE ☐ SALT WATER ☐ GAS ☐ INJECTION ☐ WILDCAT

CUSTOMER REPRESENTATIVE MR. TERRED GUTIERREZ