

Size Tubing 2-7/8 Tubing Perforations none Type Packer Baker Set At 6175
 Casing 4-1/2 WI 10.5 Set From Surface to total depth Size liner WI
 Set From To Open Hole Size From To
 Perforations Size 4 Holes Per Foot 1 Intervals 6202-6179; 6230-6208 (16 holes)
 Previous Treatment Unknown Prior Production Unknown

TREATMENT DATA: Pad Used Yes ☒ No ☐ Pad Type #10 Gelled Water: 1-1/22 KCl Water
 Treating Fluid Type Oil ☐ Water ☒ Acid ☐ Misc ☐ Foam ☐ Emulsion ☐
 Treating Fluid Volume Gals 101.010 Fluid Description #10 gelled water: 1-1/22 KCl water
 500 gal. MCA acid
 10/20 sand 52.000 Lbs Prop Type Sand ☒ Beads ☐ Special ☐ None ☐
 Wash Sizes, Types and Quantities 52.000 # 10/20 sand
 Loaded With 1-1/22 KCl water Treat Via Tubing ☒ Casing ☐ Annul ☐ Tubing & Annul ☐
 Sealers In Stages of
 Pumps and Number of Pumps Used (2) PM 1414 (1882 hrs)
 Primary Materials 2 gal. 1-15; 128 gal. P-214; 128 gal. Aquaflo; 1000 gal. 2300# 3-2
 Procedure Treat via tubing with 2.940 gal pad, 78.500 gal. frac fluid with
 10/20 sand and flush to bottom perforation.

FLUID PUMPED AND CAPACITIES IN BBLs.
 Tubing Cap 37
 Casing Cap -
 Annular Cap -
 Open Hole Cap -
 Fluid to load 425
 Pad Volume 70
 Treating Fluid 1870
 Flush 40
 Overflush -
 Total to Recover 2405

Time	Treating Pressure-Psi		Barrels Fluid	Inj. Rate	REMARKS—
% FM	Tubing	Casing	Pumped	B PM	
20-78					Test lines to 6000#.
00	-	-	90	-	Circulate hole with 1-1/2 KCl water.
24-78	A.M.				
00	40	500	-	-	Prove out packer.
02	500	500	0	0	Shut down perforations.
05	4700	500	32	12	Shut down.
09	550	500	32	8	Start 500 gal. MCA acid.
12	600	500	44	8	All acid, start pad.
14	4800	500	69	12	Acid on formation.
15	6000	500	144	17	Start 10/20 sand @ 1/25/gal.
18	5800	500	181	17	10/20 sand @ 1/25/gal. on formation.
20	4900	500	213	17.5	Start 10/20 sand @ 3/4#/gal.
22	5500	500	250	17.5	10/20 sand @ 3/4#/gal. on formation.
24	5500	1000	292	11	Packer giveaway, shut down.
1. ON 5-24-78					
02	400	500	-	5	Start pumps.
06	5400	500	43	14	Shut down.
10	500	500	-	10	Start pad.
12	5100	600	70	18	Start 10/20 sand @ 1/25/gal.
14	4900	600	110	18	10/20 sand @ 1/25/gal. on formation.
16	5800	800	200	11	Cut sand.
18	5700	800	225	14	Start 10/20 sand @ 1/25/gal.
20	5000	800	264	14	10/20 sand @ 1/25/gal. on formation.
22	4200	1200	675	1	Start 10/20 sand @ 3/4#/gal.
24	4100	1200	715	1	10/20 sand @ 3/4#/gal. on formation.
26	3500	1200	-	18	Shut down.
28	4300	1200	890	18	Start 10/20 sand @ 1#/gal.
30	4250	1200	930	18	10/20 sand @ 1#/gal. on formation.
32	6000	1200	1500	17	Cut sand.
34	5800	1200	1550	17	Start 10/20 sand @ 1/25/gal.
36	5700	1200	1590	17	10/20 sand @ 1/25/gal. on formation.
38	5700	1500	1930	8	Cut sand, start flush.
40	3200	1500	-	0	Slow pumps.
42	3200	1500	1280	0	All flush, shut down.
Inj. Pressure Min 3800 Max 6000 Avg 4800					Customer Representative Mr. Higbee
Rate on Treating Fluid 16 Rate on Flush 0					Western Representative Terry Roach
Inj. Rate 16 S.D.P. 1300 Flush Dens. 15 gal. 8.345					Distribution 2 copies Eco. INC.
Shut-in Pressure 1100 in 15 Minutes					PO BOX 669
Operator's Maximum Pressure 6000					Santa Fe, N.M. 87538