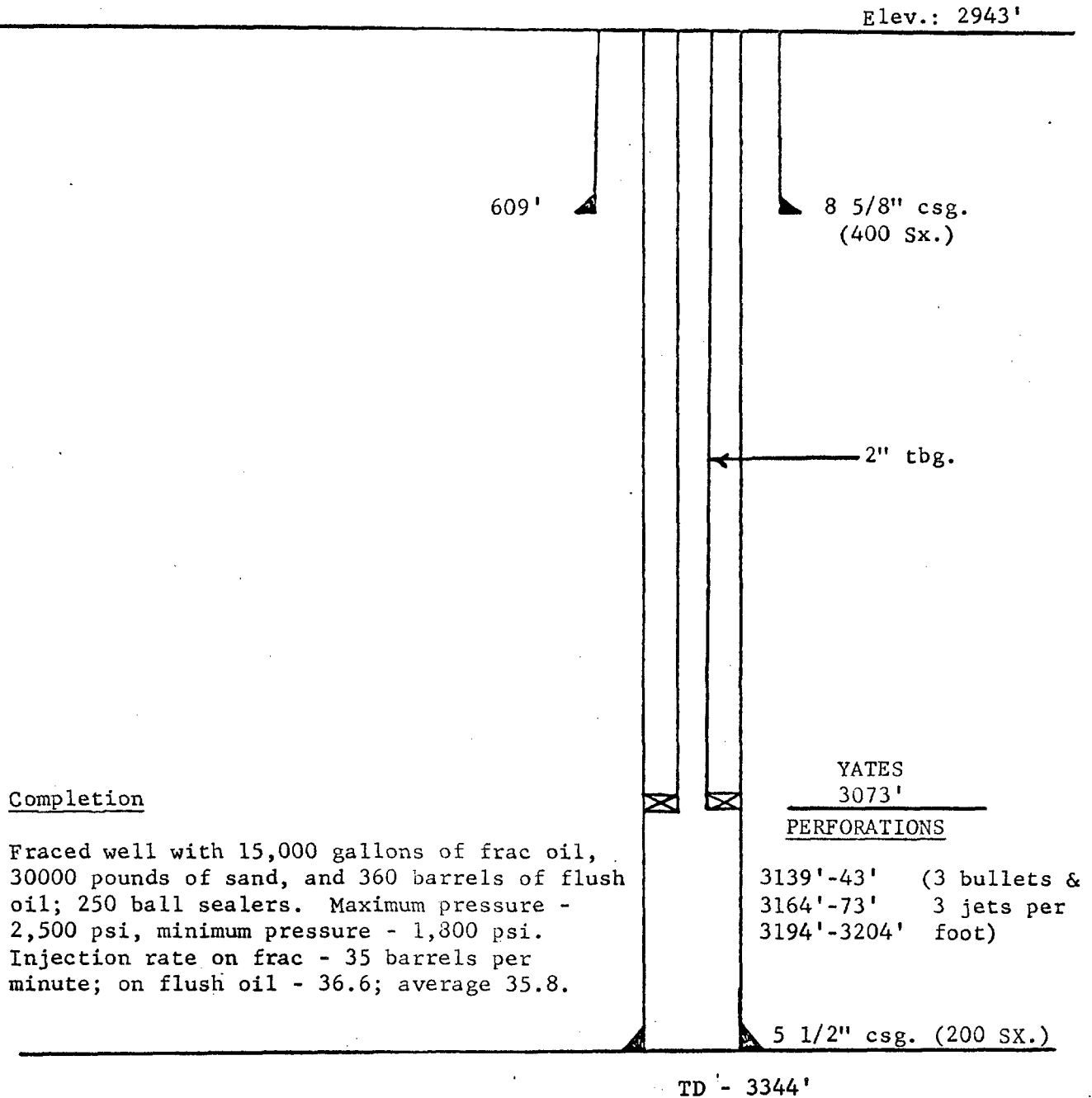


SHELL-PUBCO-STATE NO. 2
660' FNL & 661' FEL, Sec. 32, T-26-S, R-37-E
JALMAT FIELD
LEA COUNTY, NEW MEXICO



SHELL-WILLS-FEDERAL NO. 3
660' FNL & 660' FWL, SEC. 33, T-26-S, R-37-E
JALMAT FIELD
LEA COUNTY, NEW MEXICO

Elev.: 2945

612'

8 3/8" csg.
(375 Sx.)

2" tbg.

Completion

Pumped 300 gallons of mud acid at 1/2 bbl./min. and let soak. Fraced with 15,000 gallons frac oil and 30,000# of sand, 265 bbls. flush oil. Maximum treating pressure 3,400 psi, minimum treating pressure 2,400 psi. Injection rate on frac oil, 20.5, injection rate on flush, 24. Overall rate, 20.5. Used 100 ball sealers.

YATES

3104'

PERFORATIONS

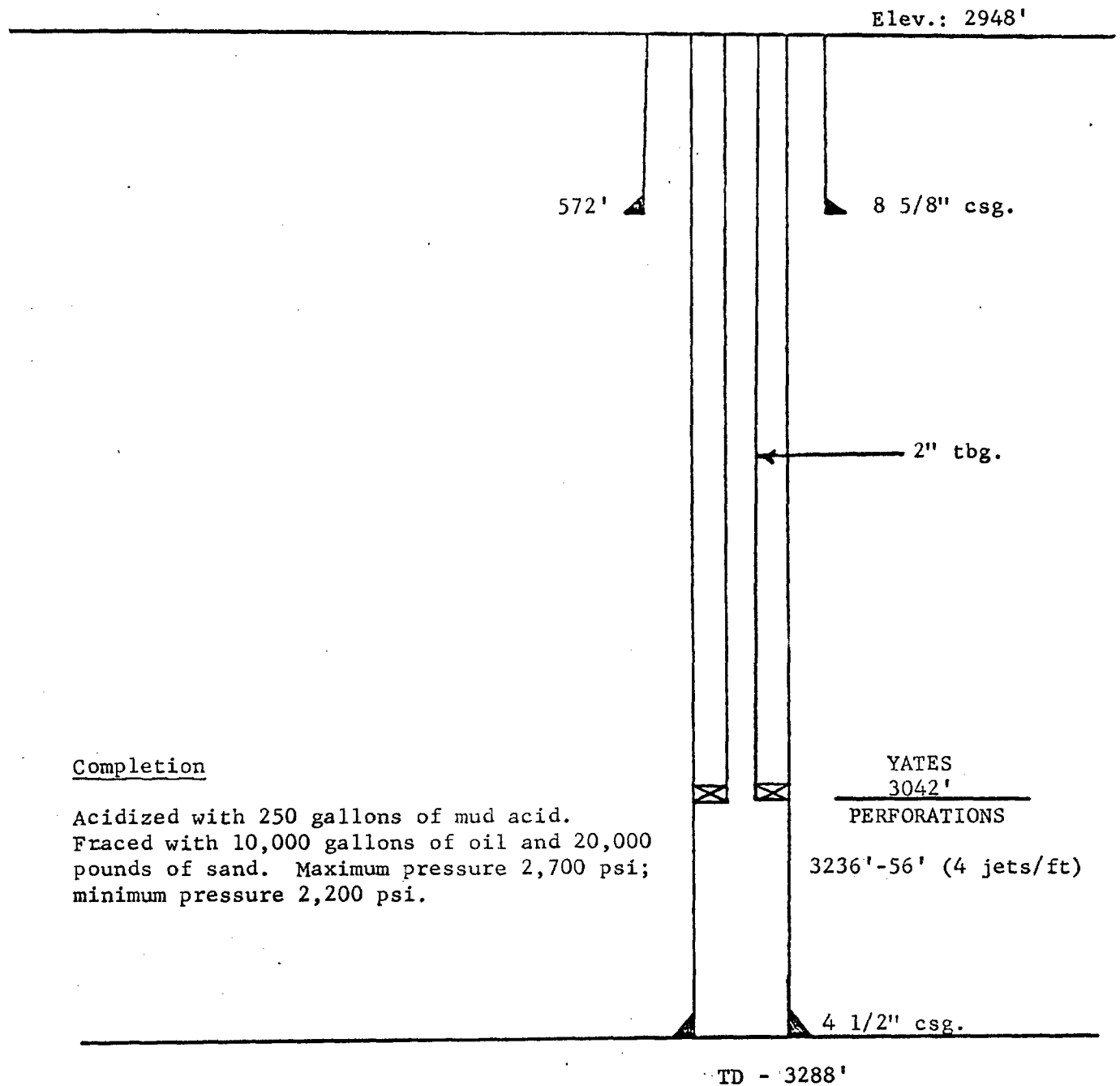
3178'-92'
3197'-3202'
3214'-31' (4 jets/ft)
3244'-47'
3281'-87'

4-1/2" csg (175 Sx.)

TD - 3313'

Enclosure 7

SHELL-WILLS-FEDERAL NO. 6
990' FNL & 2310' FEL, SEC. 33, T-26-N, R-37-E
JALMAT FIELD
LEA COUNTY, NEW MEXICO



Completion

Acidized with 250 gallons of mud acid.
Fraced with 10,000 gallons of oil and 20,000
pounds of sand. Maximum pressure 2,700 psi;
minimum pressure 2,200 psi.

SHELL-WILLS-FEDERAL NO. 7
 1660' FNL & 1980' FNL, SEC. 33, T-26-S, R-37-E
 JALMAT FIELD
 LEA COUNTY, NEW MEXICO

Elev.: 2948'

604'

8 5/8" csg.
 (400 Sx.)

2" tbg.

Completion

Acidized each set of perforations with 250 gallons each of mud acid. Fraced with 480 barrels of frac oil and 250 barrels flush. Did not use ball sealers. Pressure up to 3,000 psi and stayed throughout treatment. Started using 2# of sand, but decreased amount to approximately 1 1/2#. Immediate shut-in pressure, 2,200 psi. Shut-in pressure after 5 min., 2100 psi. 18 B/M inj. rate.

YATES
 3034'

PERFORATIONS

3056'-65'
 3068'-76'
 3081'-89' (4 jets/ft)
 3106'-18'

4 1/2" csg. (150 Sx.)

TD - 3228'

INJECTION WELL DATA

Lse. Name & No. Well Number	Pubco- State No. 2	Wills- Federal No. 3	Wills- Federal No. 6	Wills- Federal No. 7					
Size	8 5/8" 24#	8 5/8" 24#	8 5/8"	8 5/8"					
Length	609'	612'	572'	604'					
Sacks & Type Cement	400 Sx. 2% CaCl ₂	375 Sx.	-	400 Sx. Reg Neat w/2% CaCl ₂					
Size	5 1/2" 14# J-55	4 1/2" 9.5# J-55	4 1/2" 9.5# J-55	4 1/2"					
Length	3350'	3330'	3288'	3345'					
Sacks & Type Cement	200 Sx. 50-50 Pos. Nix 2% gel	175 Sx. 50-50 Pos. Mix 2% gel	-	150 Sx. 50-50 Pos. Mix 2% gel					
Length	3073'	3104'	3042'	3034'					
Packer Depth	3073'	3104'	3042'	3034'					
Depth	3073'- 3344'	3104'- 3313'	3042'- 3288'	3034'- 3228'					
Thru casing or tubing?	Tubing	Tubing	Tubing	Tubing					

Field Jalmat

County Lea

Operator Shell Oil Company

Date March 13, 1964

Address P. O. Box 1810, Midland, Texas