

S C H U M B E R G E R

SURVEYING CORPORATION

Location of Well

COMPANY: AMERADA PETROLEUM CORP.

 COUNTY: LRA
 FIELD OR
 LOCATION: COOPER JAL
 WELL: STATE 16.1 JAL
 COMPANY: AMERADA PETR. CORP.

 GEO. H/L 1980 E/L
 SEC. 16 T38-36S

WELL: STATE 16.1 JAL

FIELD: COOPER JAL

LOCATION: SEC. 16 T38-36S

COUNTY: LRA

STATE: NEW MEXICO

Elevation: D.F. 3469

K.B.

or G.L. 3460

FILING No.

RUN NO.	1	2	3	4	5
Date	1-25-10				
First Reading	3793	3793			
Last Reading	297	0			
Footage Measured	3496	3793			
Cog Shoe Schlus.	297				
Cog Shoe Driller	295				
Max. Depth Reached	3796				
Bottom Driller	3800				
Depth Datum	R.T.				
Mud Nature	Zapagal Emulsion				
" Density	9.5				
" Viscosity	43				
" Resistivity	Sat. @ Salt	@ °F	@ °F	@ °F	@ °F
" Resistivity BHT	@ °F	@ °F	@ °F	@ °F	@ °F
" pH	@ °F	@ °F	@ °F	@ °F	@ °F
" Water Loss	CC 30 Min.	CC 30 Min.	CC 30 Min.	CC 30 Min.	CC 30 Min.
Maximum Temp. °F					
Bit Size	7 7/8				
Spacings - AM	10"				
A					
AO	32"				
E.S. Rig Time	4 hrs.				
Truck No.	234				
Recorded By	Dacker				
Witnessed By					

REMARKS

OR: Sec. 2

Tide 1

 Spontaneous-Potential
 millivolts

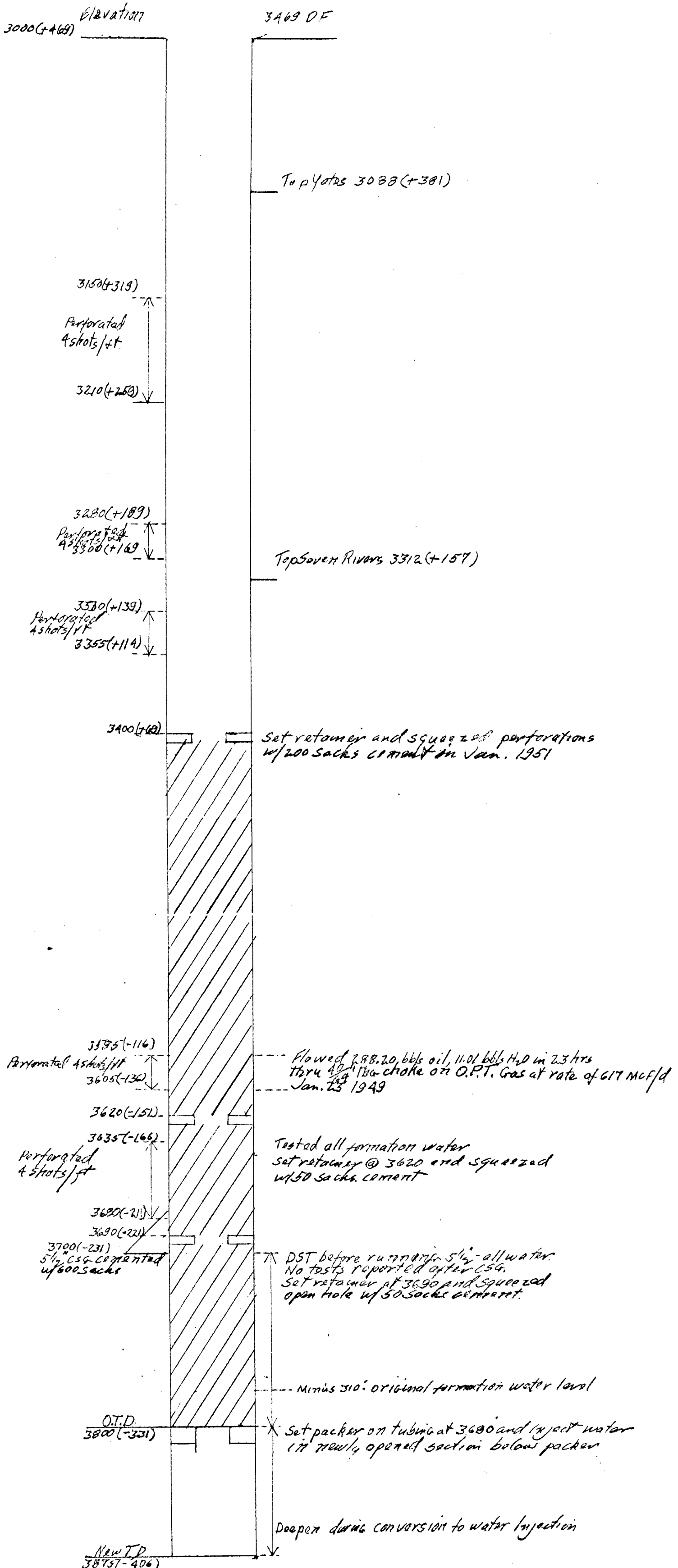
DEPTHS

 Resistivity
 -ohms. m²/m.

Case 5641

John Yuronka (Amerada) State JO "T" #1
CofNW/4, NE/4 Sec. 16, T-23-S, R-36-E

Diagram of present mechanical condition
of well and procedure for converting to
water injection



Note: 2" EUE tubing - w/ packer to be set at 3690 - will be run to 3850 during final completion as injection well.