



PETROLEUM PRODUCTS

January 21, 1981

TEXACO INC.
DRAWER 728
HOBBS, NEW MEXICO 88240

CONVERSION TO INJECTION

WEST VACUUM UNIT WELLS NO. 14 & 30
VACUUM GRAYBURG-SAN ANDRES POOL
LEA COUNTY, NEW MEXICO

New Mexico Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico, 87501

Attention: Mr. Joe D. Ramey

Gentlemen:

Texaco Inc. respectfully requests administrative approval of the New Mexico Oil Conservation Division, as provided by Order R04234, to convert to water injection the West Vacuum Unit Wells No. 14 and 30 located in Units E and M, respectively, Section 33, T-17-S, R-34-E. Initial authorization for the West Vacuum Unit was granted by Commission Order No. R-3008, dated December 3, 1965. The proposed injectors are located in patterns that will result in a more thorough and efficient sweep of the reservoir.

Injection will be into the Grayburg-San Andres formation at a depth of 4266' to 4710' in Well No. 14 and 4398' to 4766' in Well No. 30. The source of water will be from a supply well located in Section 2, T-18-S, R-34-E. Water from this source is obtained from the Ogallala formation.

New Mexico Oil
Conservation Division

- 2 -

January 21, 1981

Attached is a plat showing all wells and leases within a two-mile radius of the proposed injection wells, a diagrammatic sketch of the wells and a log of West Vacuum Unit No. 30.

All Offset Operators have been notified by copy of this letter.

Yours very truly,

TEXACO INC.
PRODUCING DEPARTMENT-WEST U. S.



GDD:JEB

J. V. Gannon
District Superintendent

Offset Operators (List Attached)

OFFSET OPERATORS
WEST VACUUM UNIT

Atlantic Richfield Company
P. O. Box 1710
Hobbs, New Mexico, 88240

Amoco Production Company
P. O. Box 68
Hobbs, New Mexico, 88240

Aztec Oil & Gas Company
P. O. Box 847
Hobbs, New Mexico, 88240

Gulf Oil Company
P. O. Box 670
Hobbs, New Mexico, 88240

Mobil Oil Company
P. O. Box 1800
Hobbs, New Mexico, 88240

Phillips Petroleum Company
Phillips Building
4th & Washington
Odessa, Texas, 79760

Union Oil Company of California
P. O. Box 3100
Midland, Texas, 79702

LANE RADIOACTIVITY LOG WELLS

COMPANY

Location of Well *Logman*

COMPANY: THE TEXAS COMPANY
 WELL: STATE ~~"O"~~ NO. ~~18~~ FILE: ~~30~~
 FIELD: WEST VACCUUM
 COUNTY: LEA STATE: N. MEX.
 LOCATION: 660' FS&WL SEC. 33, BLK
 RANGE 34, T-17

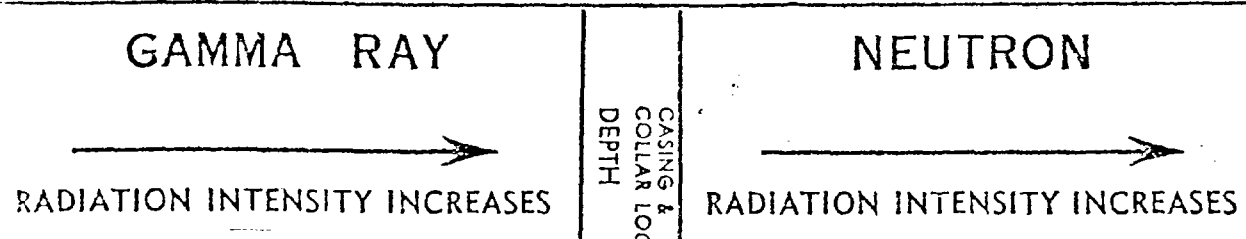
LOG MEASURED FROM ROT. T. ELEVATION 4072.5'
 DRILLING MEASURED FROM ROT. T. ELEVATION 4072.5'
 PERMANENT DATUM 5 1/2" B.H. ELEVATION 4063.2'

WELL STATE "O" NO. FILE: 18
 FIELD: WEST VACCUUM
 COUNTY: LEA STATE: N. MEX.

RUN NUMBER	1	1		
TYPE OF LOG	GAMMA RAY	NEUTRON		
DATE	10-14-48	10-14-48		
COMPANY DEPTH	4766'	4766'		
RACK	4763'	4763'		
MAXIMUM DEPTH REACHED				
WELL FLUID	OIL	OIL		
FLUID LEVEL	FULL	FULL		
MAXIMUM TEMPERATURE				
O.D. OF INSTRUMENT—INCHES	3 5/8	3 5/8		
SENSITIVITY REFERENCE	274	275		
RECORDED BY	LITTLE	LITTLE		
WITNESSED BY	BLISS	BLISS		

CASING RECORD				OPEN HOLE RECORD			
RUN NO.	SIZE—IN.	WT.—LB.	INTERVAL	BIT SIZE—IN.	INTERVAL		
1	5 1/2		SURF. TO 4398'	4 3/4	4398'	TO T.D.	
			TO			TO	
			TO			TO	
			TO			TO	
			TO			TO	

REMARKS OR OTHER DATA



Well No. 14

8⁵/₈" 28[#] casing set at 818' cemented with
400 SXS cement circulated

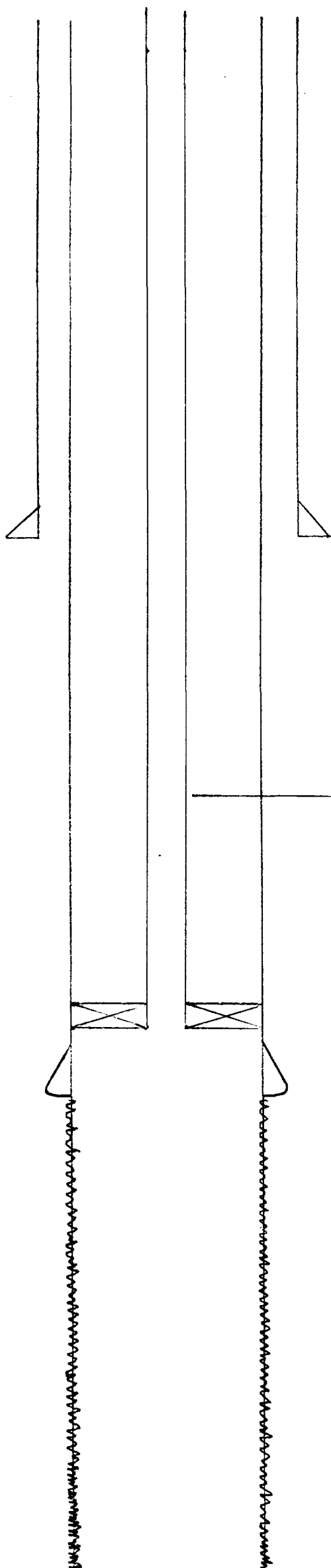
238" 407* J-55 8R EVE Plastic Coated Injection
Tubing with Baker Lakser Nickel plated packer.
Set at 4216'

5 1/2" 15.5 # casing set at 4266' cemented
with 700 gals cement top 850'

Open hole 4266' - 4710'

TD 4710'

West Vacuum Unit
Well No. 30



8 5/8" 28# Casing set at 894' cemented
with 500 sacks cement circulated

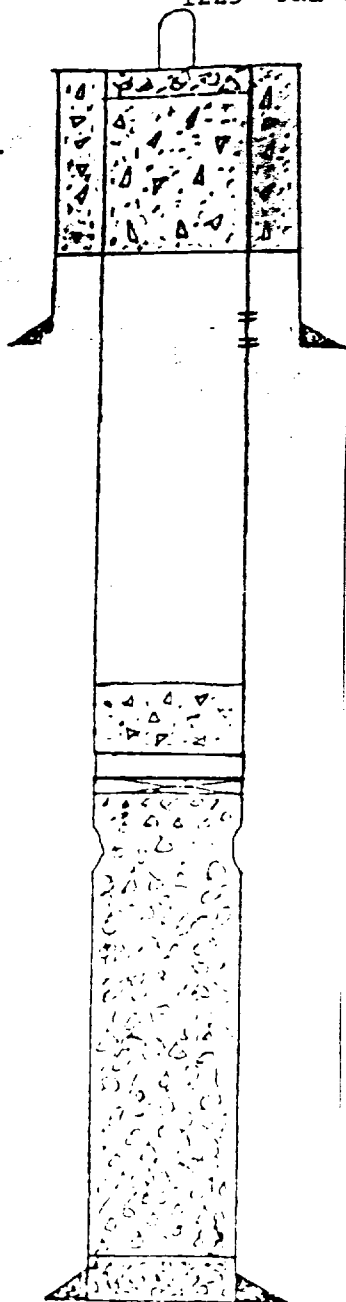
2 3/8" 4.7# J-55 8R EVE Plastic Coated
Injection Tubing with Baker LOK Set Nickel Plated
Packer set at 4348'

5 1/2" 14# Casing set at 4398' cemented
with 900 sacks Late. Cat top at 700'

open hole 4398'-4766'

TD 4766'

LARGE FORMAT
EXHIBIT HAS
BEEN REMOVED
AND IS LOCATED
IN THE NEXT FILE



P & A Marker

160 sack surface plug circ thru perfs at 500' to surface in csg - csg annulus

Plugged perfs at 870' & 900' w/2 JSPF
8-5/8", 20# casing at 927. Cement circ.

Salt zone 1050'-2135'

20 sx plug at 2150'-2000'

Retainer at 2155' cemented with 150 sx below retainer
Collapsed casing at 2187'

5-1/2", 14# Casing at 4240'. TOC 2250'

Present
~~PROPOSED~~ WELLBORE

MCA 29

250' FNL + 250' REL

Sec 21, T-17S, R-32E

Elev. 4005'

20", 90# @ 20'

60' SURFACE plug

15 1/2", 70# @ 321' 40 SK CMT bullheaded (8-12-80)

7" RET @ 743 w/ 400 SK CMT CIRC.

12 1/2", 50# @ 821' 40 SK CMT bullheaded (8-12-80)

7" RET @ 2275 w/ 100 SK SQUEEZED TOL @ 2050

TOL @ 2400'

8 5/8" 32# @ 3003'

RET @ 3300 w/ FISH CMT in hole @ 3402'

6 5/8" 24# @ 3550'

TD 4140'

PBTD 3713'

Present wellbore

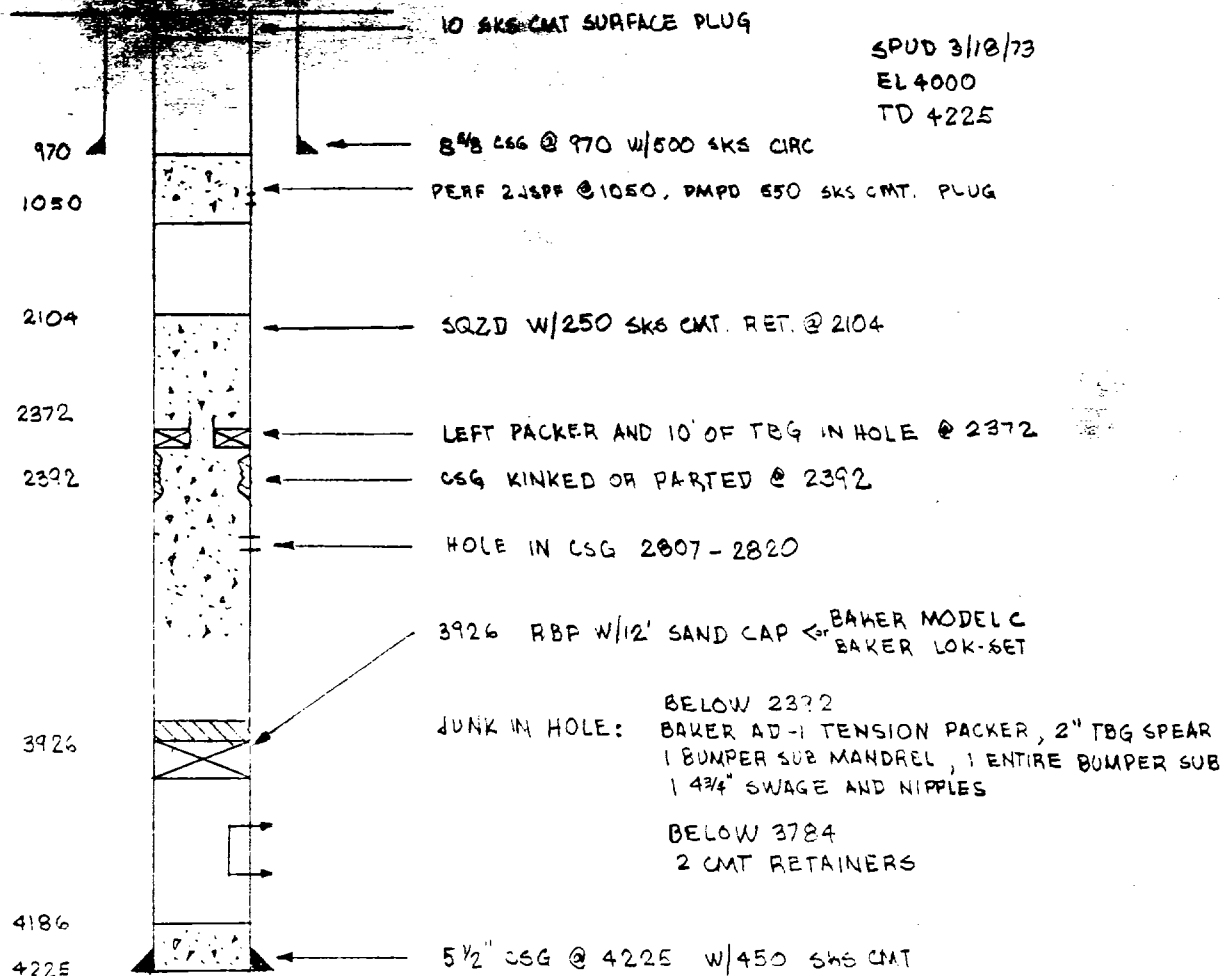
8-12-80 P+H

MCA 339

1295 FSL & 2615 FWL

Sec 23, T17S, R32E

PLUGGED AND
ABANDONED 11/1/77



3/13/75

PAST HISTORY

8/15/75 - FOUND HOLE IN CSG 2807-2820, SET BP @ 3926' W/12' SAND CAP, ATTEMPTED 3 SQZ NOUE
4/21/76 SUCCESSFULL LEFT 2 CMT RETAINERS IN HOLE

4/4/77 - FOUND CSG PARTED OR KINKED @ 2392. LOST ABOVE TOOLS IN HOLE

10/27/77 - UNABLE TO PULL PKR UP HOLE, W/H W/PKR TO 2382; W/H W/JET CUTTER, CUT TBG @ 2372. POOH W/TBG
W/H W/CMT RET. & TBG; SET RET @ 2104. PMPD 250 SKS CMT. STRING OUT OF RET & POOH. SET PKR @ 899.
W/H W/THRU TBG GUN AND PERF 2 1/2\"/>

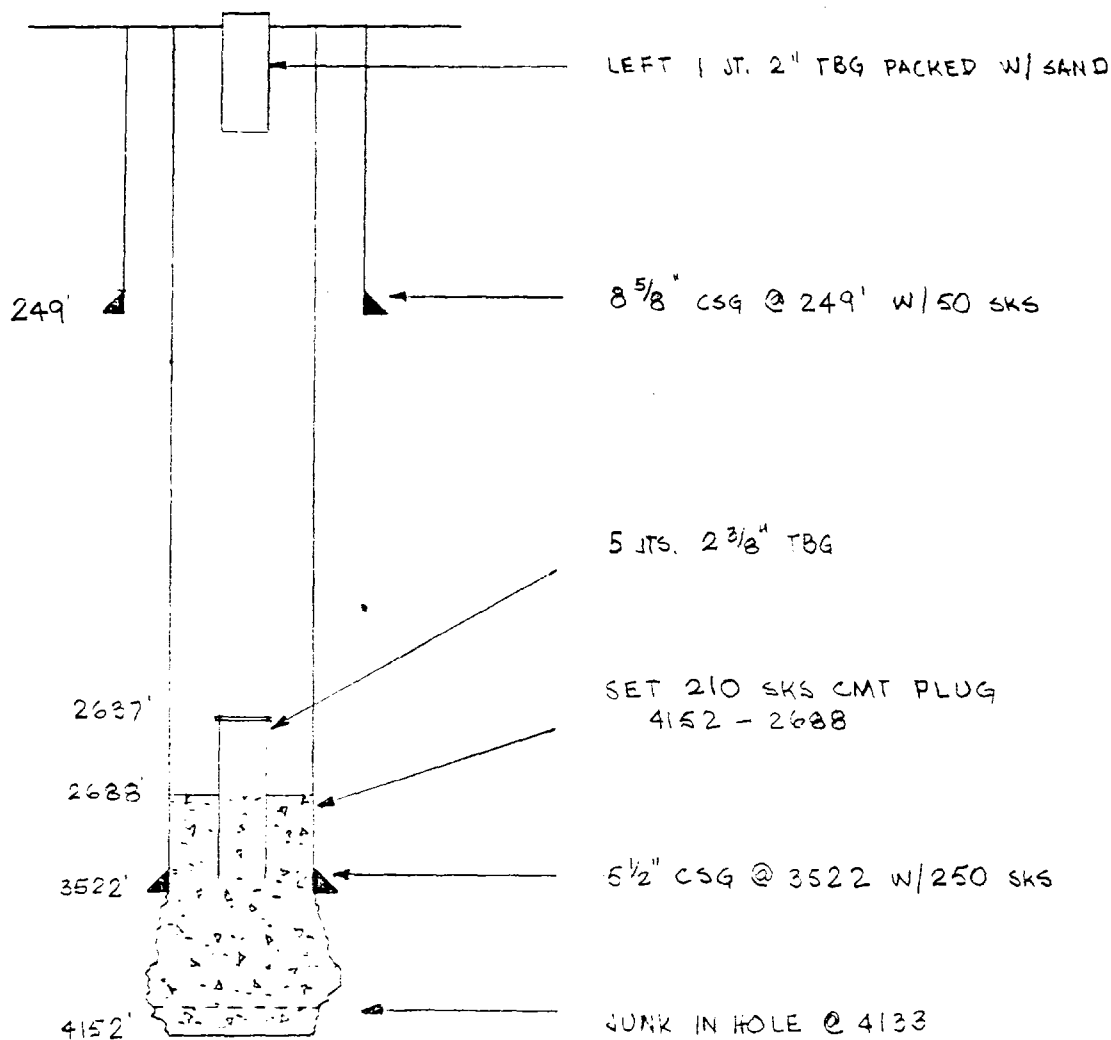
GR

7/25/79

MCA 203
660 FSL & 660 FEL
SEC 27, T17S, R-32 E

TEMP. ABAND. 12/72

SPUD 6/18/40
EL 3953 DF
TD 4152



PAST HISTORY

1/14/70 - CO 4071-4133 RAN GRN LOG 413-3000. RAN ON CALIPER FROM 4120-3514
RAN 2" CMT LINED TBG W/PKR @ 3468, 2" FIBERGLASS TAILPIPE @ 4095.
PLACED ON INJECTION N. JUNK IN HOLE @ 4133.

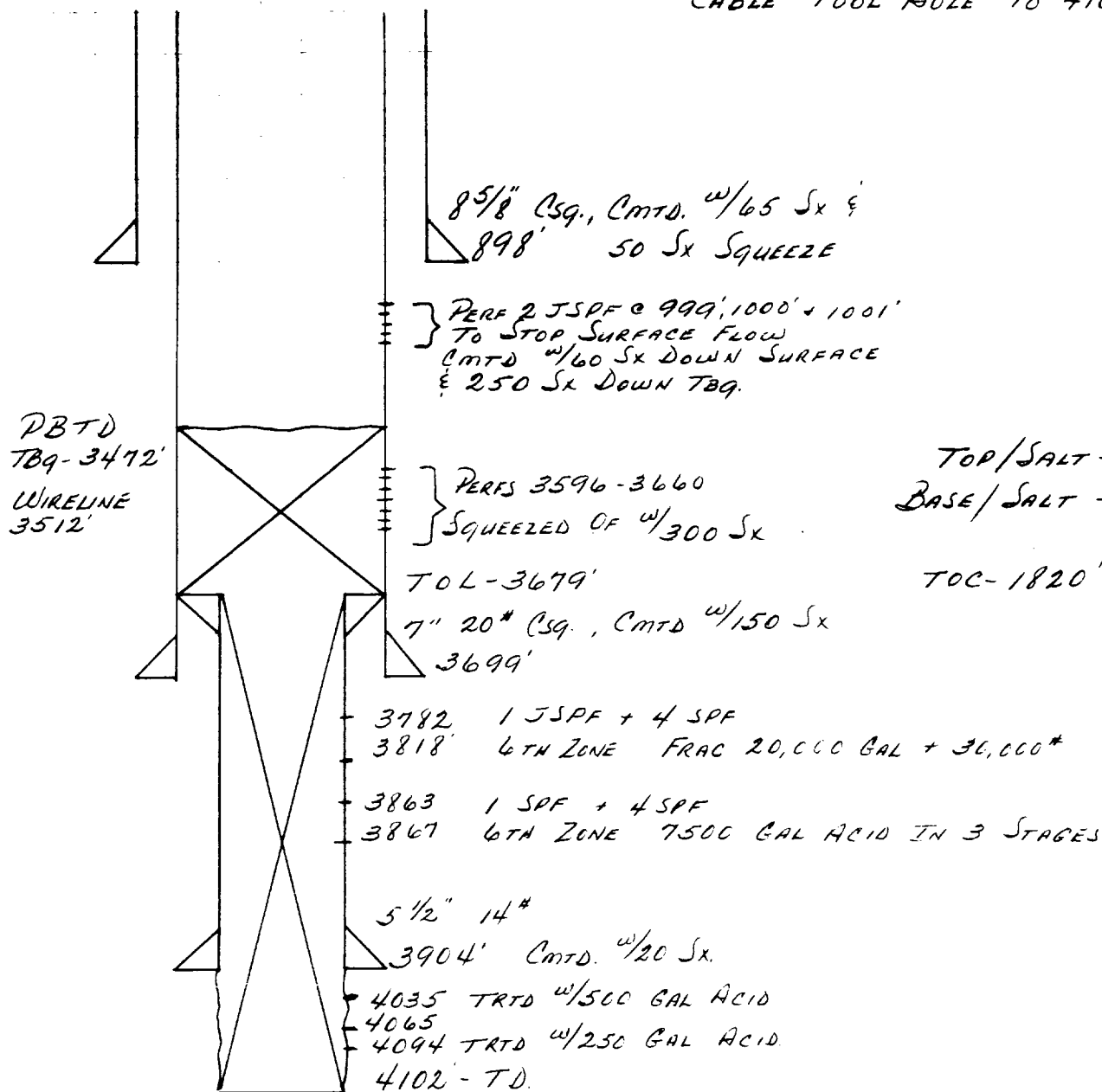
12/5/72 - SET 210 SKS CMT PLUG 4152-2688, LEFT 5 JTS 2 3/8" EVE TBG IN HOLE W/TBG
COLLAR ON TOP JT. PACKED WELL OFF W/1 JT 2" TBG AND SAND.

GR

7/25/79

MCA UNIT #38
O - GL

2555' FNL & 2615' FWL
S-22, T17, R32
CABLE TOOL HOLE TO 4102'



H.W. SKINNER

AFE 40-61-1383

12-27-77
1 2

MCA UNIT #38
remaned Buick B#17

MALJAMAR
N. MEX.