

COUNTY

TEXAS COUNTY



EXHIBIT 4 - Y

INJECTION WELL COMPLETION DATA

TEXACO STATE CJ 1
 OPERATOR LEASE WELL NO.

LOCATION M - Sec 2 - T16S - R30E

WEST HENSHAW UNIT, EDDY CO., N.M.

8 5/8" 24 #/ft Casing
 @ 450 ft. cemented
 with 40 Sacks
 of Neat Cement

Cement ~~Circulated~~
 TOP @
340 ft.
 (est. by Volumetric fill up Calc.)

12 1/2" hole

6 3/4" hole

4 1/2" 11.6 #/ft Casing
 @ 2965 ft cemented
 with 300 sacks
 of Neat cement

Cement Top @ 1055 ft
 (est by Volumetric Fill up calculation)

2 3/8" cement Lined Tubing
 @ 2882

Tension Packer

Premier Perforation.
~~or Open hole~~
 from 2912 ft
 to 2921 ft

Plug back T.D. 2949 ft

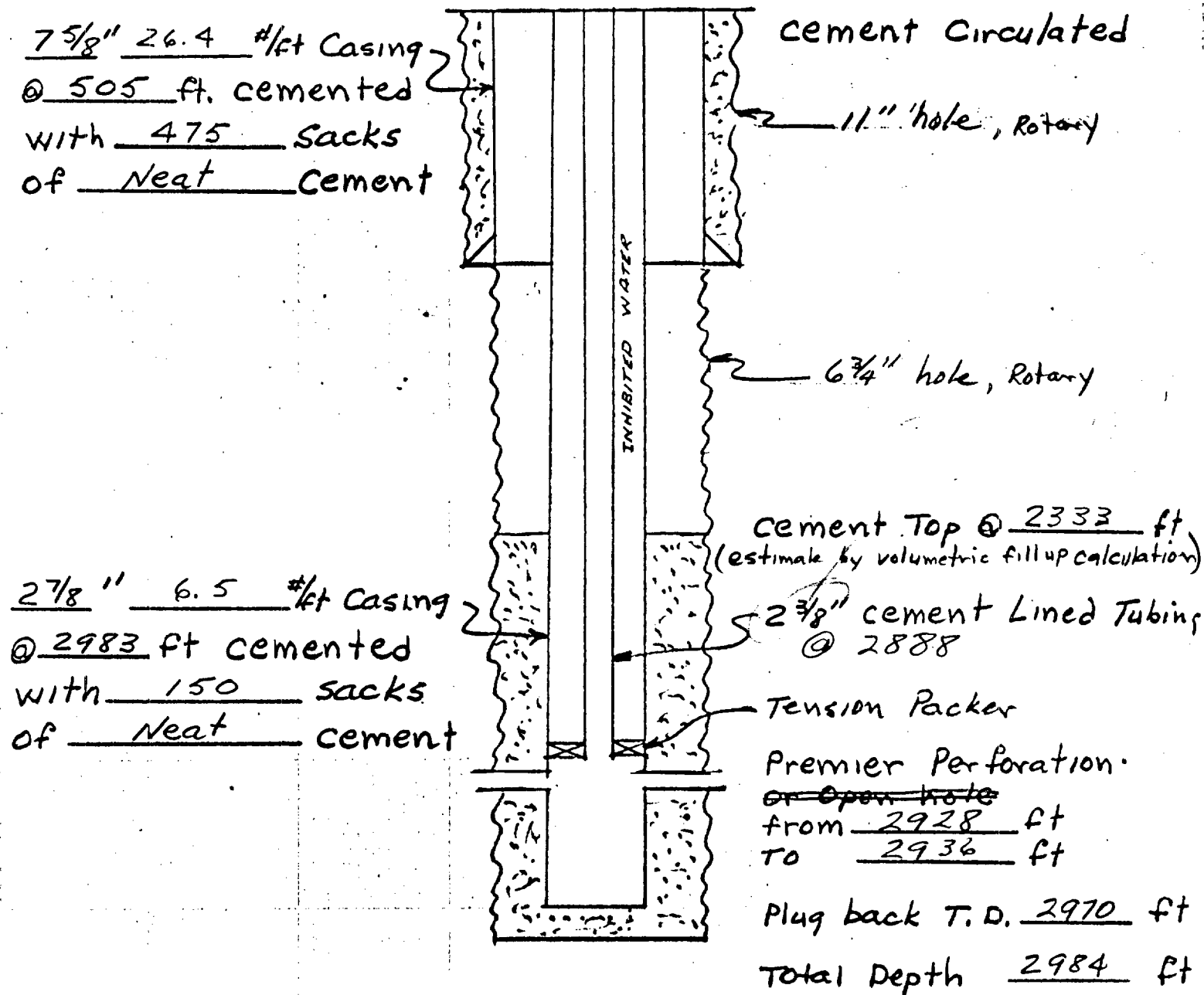
Total Depth 2965 ft

R.W. White 2-11-66

EXHIBIT 4-F
INJECTION WELL COMPLETION DATA

HUMBLE STATE BC 2
OPERATOR LEASE WELL NO.

LOCATION u - Sec 2 - T 16 S - R 30 E
WEST HENSHAW UNIT, EDDY CO., N.M.



R.W. White 2-11-66

EXHIBIT 4-Z

INJECTION WELL COMPLETION DATA

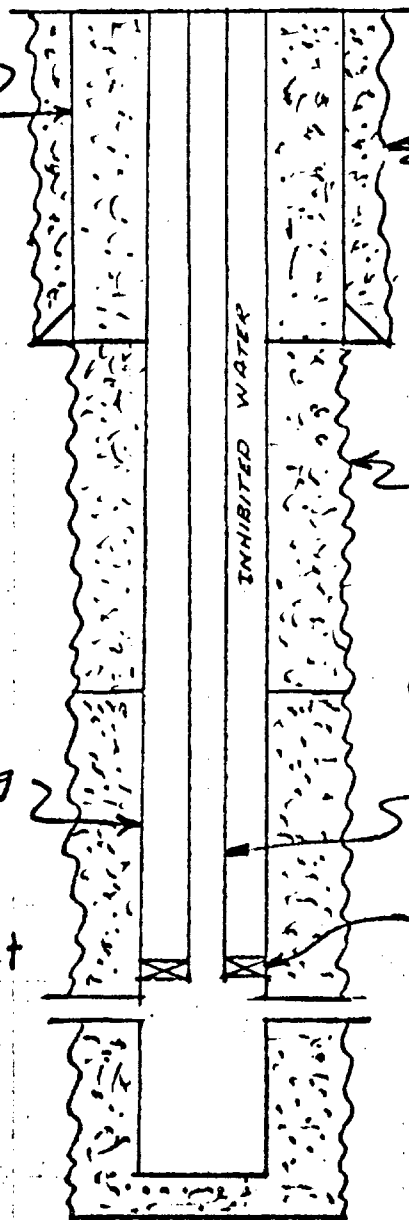
TEXACO STATE CJ 4
 OPERATOR LEASE WELL NO.

LOCATION E- sec 2 - T16S - R30E

WEST HENSHAW UNIT, EDDY CO, N.M.

1 1/4" 23.72 #/ft Casing
 @ 515 ft. cemented
 with 500 Sacks
 of Neat Cement

8 5/8" 24 #/ft Casing
 @ 2871 ft cemented
 with 900 Sacks
 of Neat cement



cement Circulated

15" hole

10 5/8" hole, Rotary

Cement Top @ Surface ft

2 3/8" cement Lined Tubing
 @ 2820

Tension Packer

Premier Perforation
~~or Open hole~~
 from 2850 ft
 to 2855 ft

Plug back T.D. 2870 ft

Total Depth 10,100 ft

R.W. white 2-11-66

EXHIBIT 4-X

INJECTION WELL COMPLETION DATA

SINCLAIR

BASS FED

1

OPERATOR

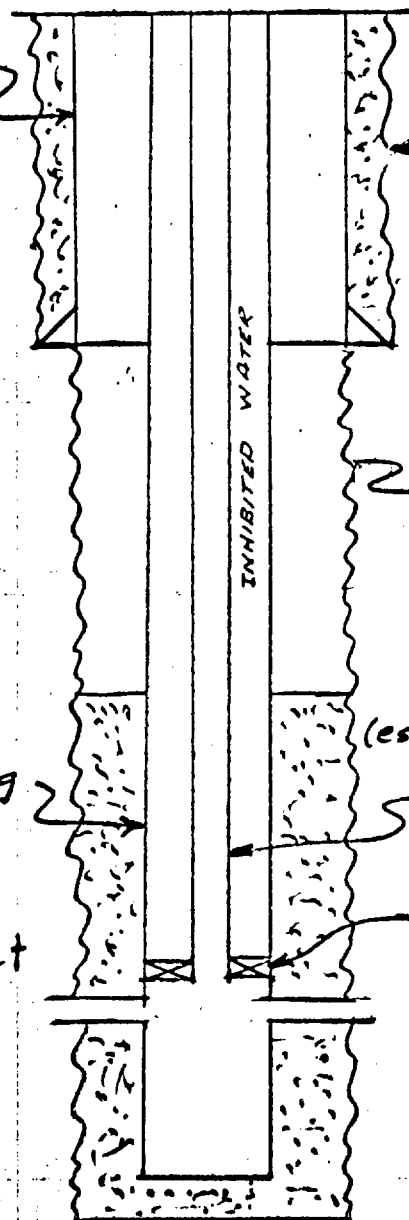
LEASE

WELL NO.

LOCATION E - SEC 3 - T16S - R30E

WEST HENSHAW UNIT, EDDY CO., N.M.

8 5/8" 24 1/2 #/ft Casing
@ 392 ft. cemented
with 275 Sacks
of 6 % gel Cement



5 1/2" 14 #/ft Casing
@ 2839 ft cemented
with 110 Sacks
of Next cement

Cement Top @ 2169 ft
(est by Volumetric fill up calculation)

2 3/8" cement Lined Tubing
@ 2759

Tension Packer

Premier Perforation
or Open hole
from 2789 ft
to 2793 ft

Plug back T.D. 2813 ft

Total Depth 2840 ft

R.W. White 2-11-66

EXHIBIT 4-5

INJECTION WELL COMPLETION DATA

SHELL LITTLE LUCKY LAKE UNIT 2

OPERATOR

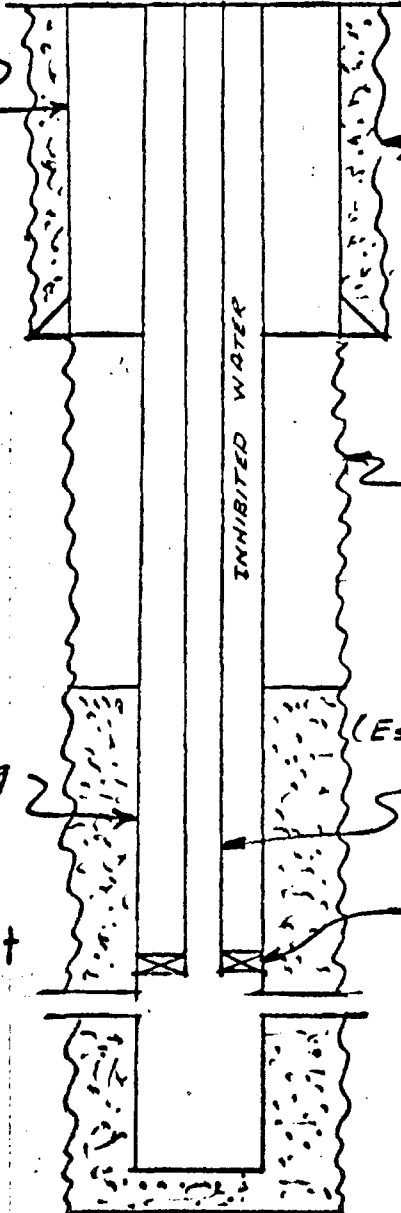
LEASE

WELL NO.

LOCATION K - SEC 3 - T16S - R 30E

WEST HENSHAW UNIT, EDDY CO, N.M.

8 5/8" 32 #/ft Casing
@ 433 ft. cemented
with 300 Sacks
of Neat Cement



5 1/2" 15.5# 17 #/ft Casing
@ 2870 ft cemented
with 600 Sacks
of Neat Cement

cement Circulated

11. inch hole

7 7/8 inch hole

Cement Top @ 690 ft

(Est by Volumetric Fillup Calculation)

2 3/8 inch cement Lined Tubing
@ 2790

Tension Packer

Premier Perforation

or Open hole
from 2819 ft
to 2827 ft

Plug back T.D. 2846 ft

Total Depth 2870 ft

R.W. White 2-11-66

EXHIBIT 4-R

INJECTION WELL COMPLETION DATA

SHELL LITTLE LUCKY LAKE UNIT 1

OPERATOR

LEASE

WELL NO.

LOCATION 2 - Sec 3 - T16S - R30E

WEST HENSHAW UNIT EDDY CO., N.M.

8 5/8" 32 #/ft Casing
@ 425 ft. cemented
with 250 Sacks
of Neat Cement

cement Circulated

11" hole

7 7/8" hole

5 1/2" 15.5 #/ft Casing
@ 2958 ft cemented
with 200 sacks
of Neat cement

Cement Top @ 1798 ft
(est by Volumetric fill up calculation)

2 3/8" cement Lined Tubing
@ 2811

Tension Packer

Premier Perforation.

~~or open hole~~
from 2841 ft
to 2857 ft

Plug back T.D. 2942 ft

Total Depth 2960 ft

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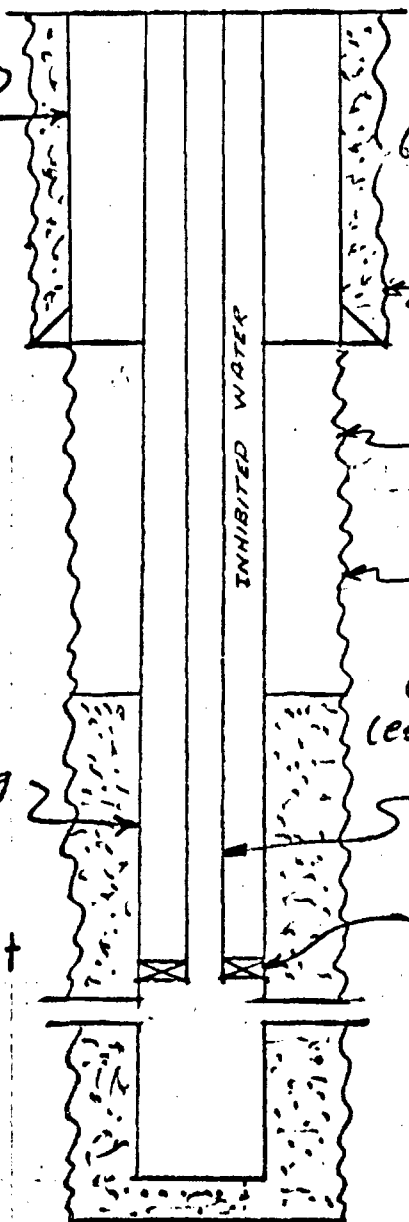
EXHIBIT 4-J

INJECTION WELL COMPLETION DATA

MOBIL Fed P 1
 OPERATOR LEASE WELL NO.
 LOCATION M - SEC 3 - T16 S - R 30 E
WEST HENSHAW UNIT, EDDY CO, N.M.

10 3/4" 32 #/ft Casing
 @ 425 ft. cemented
 with 75 Sacks
 of Neat Cement

5 1/2" 15.5 #/ft Casing
 @ 2825 ft cemented
 with 100 Sacks
 of Neat Cement



Cement ~~Circulated~~
 Top @ 53 feet (*1)
 (test by Volumetric fill up)

12 1/2" cable tool hole

10" cable tool hole
to 2155 feet

8" cable tool hole
2155 to T.D.

Cement Top @ 2435 ft (*2)
 (test by Volumetric fill up)

2 3/8" cement Lined Tubing
 @ 2796

Tension Packer

~~Preparer Perforation.~~

or Open hole
 from 2825 ft
 to 2865 ft

~~Plug back T.D.~~

Total Depth 2869 ft

*1 - For Gage hole and No cement loss.

*2 - For Gage hole and No cement loss
 Cement Top would be 2227 feet.

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EXHIBIT 4-L

INJECTION WELL COMPLETION DATA

MOBIL

FED. P.

6

OPERATOR

LEASE

WELL NO.

LOCATION O SEC 3 - T16S - R30E

WEST HENSHAW UNIT, EPPY CO., N.M.

10 3/4" 32 #/ft Casing
@ 432 ft. cemented
with 75 Sacks
of Neat Cement

Cement ~~circulated~~
Top @ 180 ft. (x1)
(est by Volumetric fill up
Calculation)

2 12 1/2" cable tool hole

2 7 7/8" hole

5 1/2" 14 #/ft Casing
@ 2833 ft cemented
with 90 sacks
of Neat cement

Cement Top @ 2243 ft
(est. by Volumetric fill up calculation)

2 3 7/8" cement Lined Tubing
@ 2802

Tension Packer

~~Premier Perforation.~~

~~Open hole~~
from 2833 ft
to 2861 ft

~~Plug back T.D.~~ ft

Total Depth 2861 ft

x1 For Gauge hole and No cement loss
Top of cement would be 60 feet

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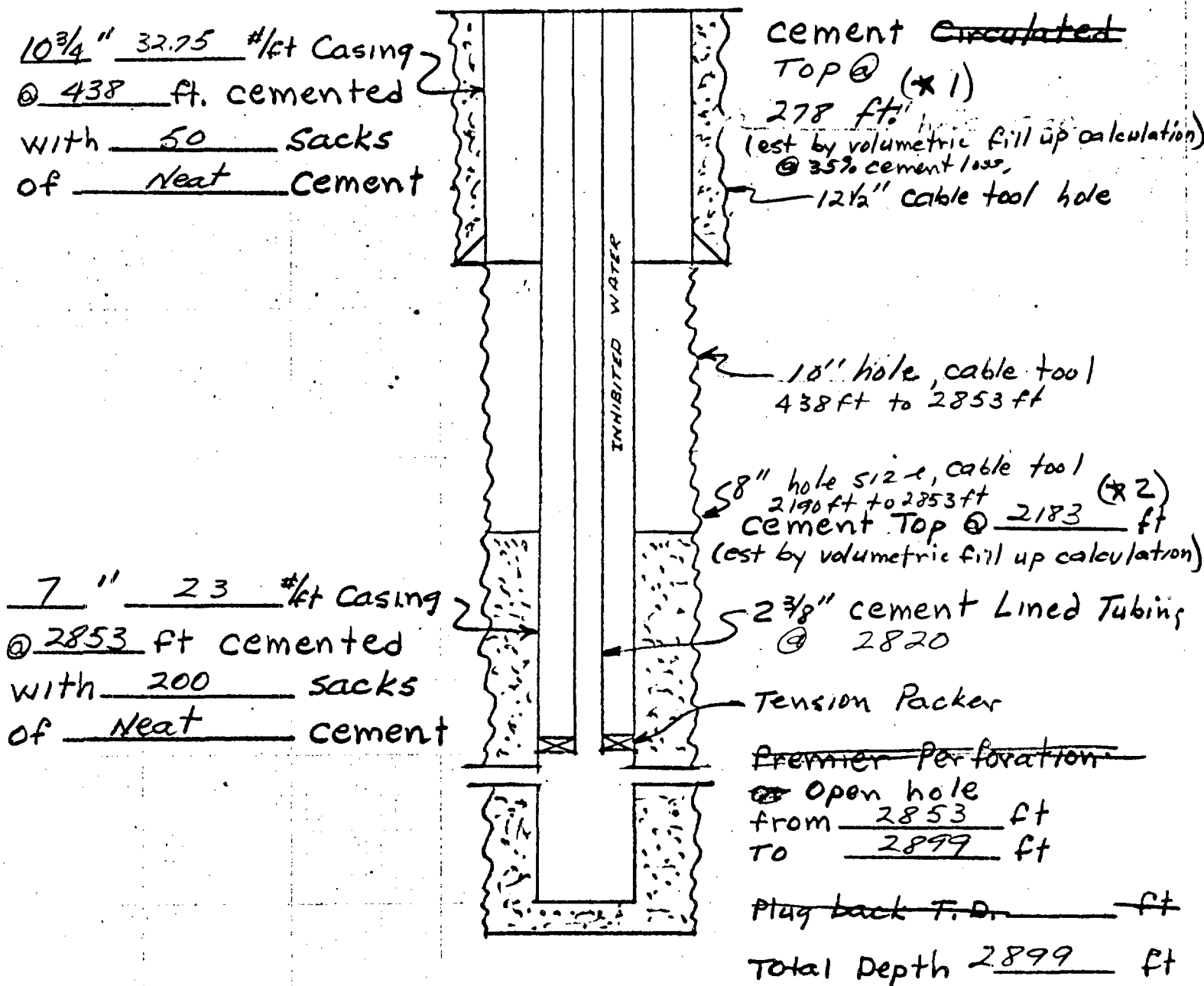
EXHIBIT 4-E

INJECTION WELL COMPLETION DATA

GENERAL AMERICAN STABLEIN FED 4
 OPERATOR LEASE WELL NO.

LOCATION S - SEC 3 - T16S - R30E

WEST HENSHAW UNIT, EDDY CO, N.M.



(*) 1 For a gauge hole and no cement loss,
 estimated top would be 192 feet

(*) 2 For a gauge hole and no cement loss,
 estimated cement top would be 1598 feet,

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EXHIBIT 4-M

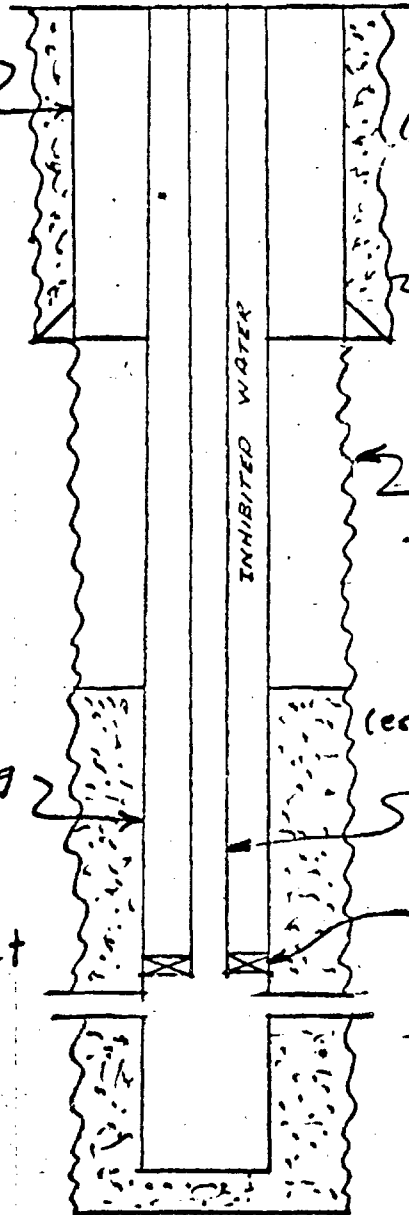
INJECTION WELL COMPLETION DATA

MOBIL FED P 9
 OPERATOR LEASE WELL NO.

LOCATION of SEC 3 - T16S - R30E

WEST HENSHAW UNIT, EDDY CO, N.M.

10 3/4" 32 #/ft Casing
 @ 449 ft. cemented
 with 75 Sacks
 of Neat Cement



Cement ~~Emulated~~
 Top @ 200 ft (* 1)
 (est by Volumetric fill up
 calculations)

12 1/2" cable tool hole

7 7/8" hole
 from 2245 to T.D.

5 1/2" 14 #/ft Casing
 @ 2879 ft cemented
 with 90 Sacks
 of Neat Cement

Cement Top @ 2305 ft
 (est by Volumetric fill up calculation)

2 3/8" cement Lined Tubing
 @ 2852

Tension Packer

~~Premier Perforation.~~

~~Open hole~~
 from 2879 ft
 to 2906 ft

Plug back T.D. _____ ft

Total Depth 2906 ft

* 1 For Gauge hole and no cement loss
 Top of Cement would be 77 feet.

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EXHIBIT 4-D

INJECTION WELL COMPLETION DATA

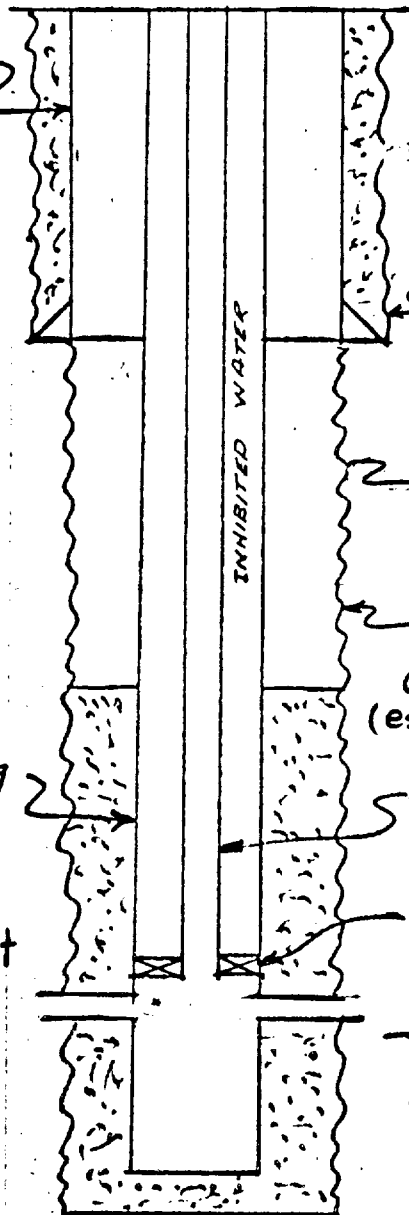
GENERAL AMERICAN STABLEIN FED 3
 OPERATOR LEASE WELL NO.

LOCATION U - SEC 3 - T16S - R30E

WEST HENSHAW UNIT, EDDY CO., N.M.

10 3/4" 32.75 #/ft Casing
 @ 430 ft. cemented
 with 50 Sacks
 of Neat Cement

7" 23 #/ft Casing
 @ 2848 ft cemented
 with 100 Sacks
 of Neat cement



Cement ~~Estimated~~
 Top @ *1 (below)
 270 ft.
 (est. by volumetric calculations
 and 35% cement loss)

5 1/2" cable tool hole

10" hole, cable tool
 430 ft to 2175 ft.

8" hole, cable tool (*2)
 2175' to 2848'

Cement Top @ 2228 ft
 (est by volumetric fill up calculation)

2 3/8" cement Lined Tubing
 @ 2822

Tension Packer

~~Premier Perforation~~

Open hole
 from 2848 ft
 to 2899 ft

Plug back T.D. _____ ft

Total Depth 2899 ft

(*1) Conservative Estimate - For a gauge hole and no cement loss
 estimated Top would be 184 feet.

(*2) Conservative Estimate - For a gauge hole and no cement loss
 estimated Top would be 1978 feet

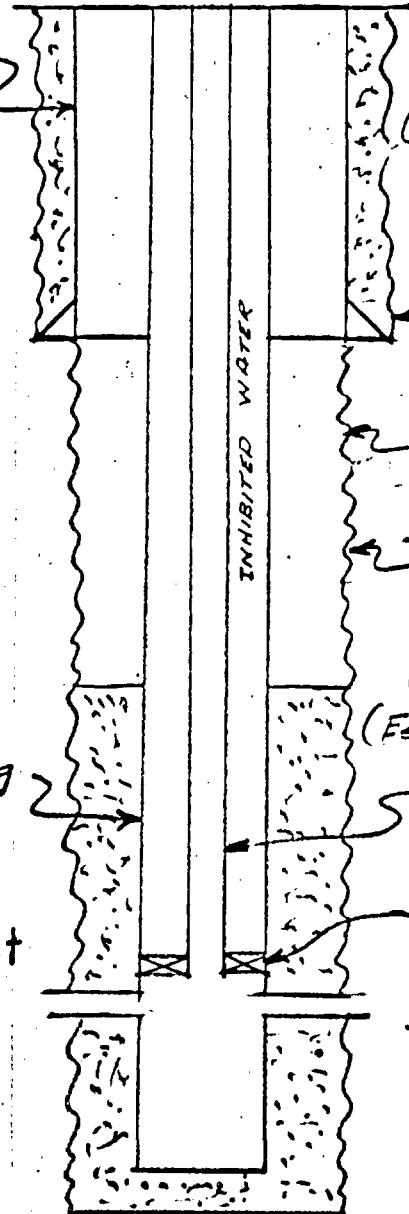
R.W. White 2-11-66

EXHIBIT 4-K

INJECTION WELL COMPLETION DATA

MOBIL FED. P 5
 OPERATOR LEASE WELL NO.
 LOCATION W - SEC 3 - T16S - R30E
WEST HENSHAW UNIT, EDDY CO, N.M.

10 3/4" 32 #/ft Casing
 @ 485 ft. cemented
 with 75 Sacks
 of Neat Cement



Cement ~~circulated~~
 Top @ 235 ft. (*)
 (Est by Volumetric fill up Calculation)

12 1/2" cable tool hole

10" hole to 2230

8" cable tool hole
 2230 to T.D.

5 1/2" 14 #/ft Casing
 @ 2867 ft cemented
 with 100 Sacks
 of Neat Cement

Cement Top @ 2277 ft
 (Est by Volumetric fill up Calculation)

2 3/8" cement Lined Tubing
 @ 2839

Tension Packer

~~Perforation~~

Open hole
 from 2867 ft
 to 2909 ft

Plug back T.D. 2909 ft

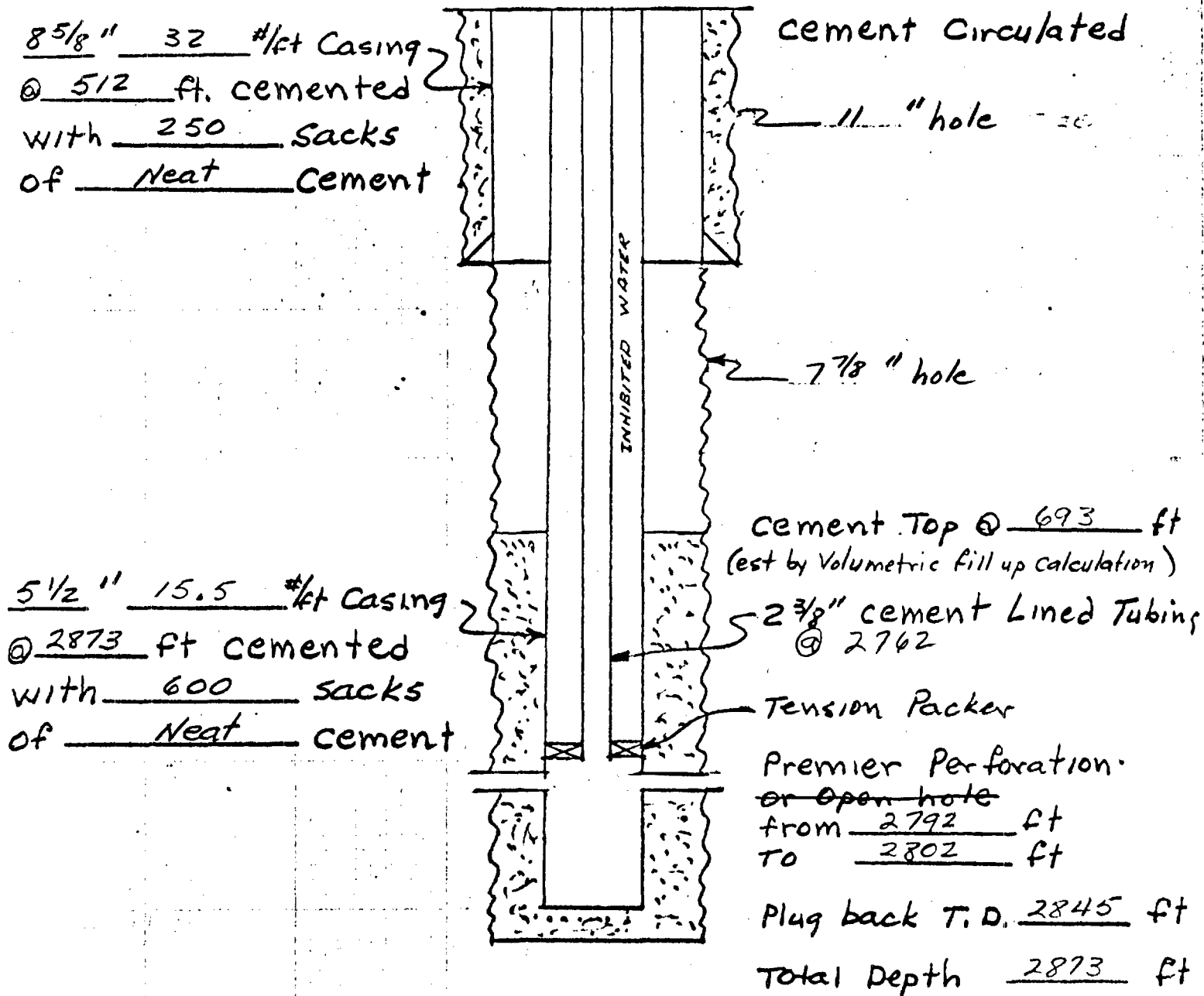
Total Depth 2909 ft

*1 For Gauge hole and No cement loss
 Top of cement would be 113 feet.

R.W. White 2-11-66

EXHIBIT 4-V
INJECTION WELL COMPLETION DATA

SHELL TAYLOR FED 1
OPERATOR LEASE WELL NO.
LOCATION J - SEC 4 - T16S - R 30E
WEST HENSHAW UNIT, EDDY CO, N.M.

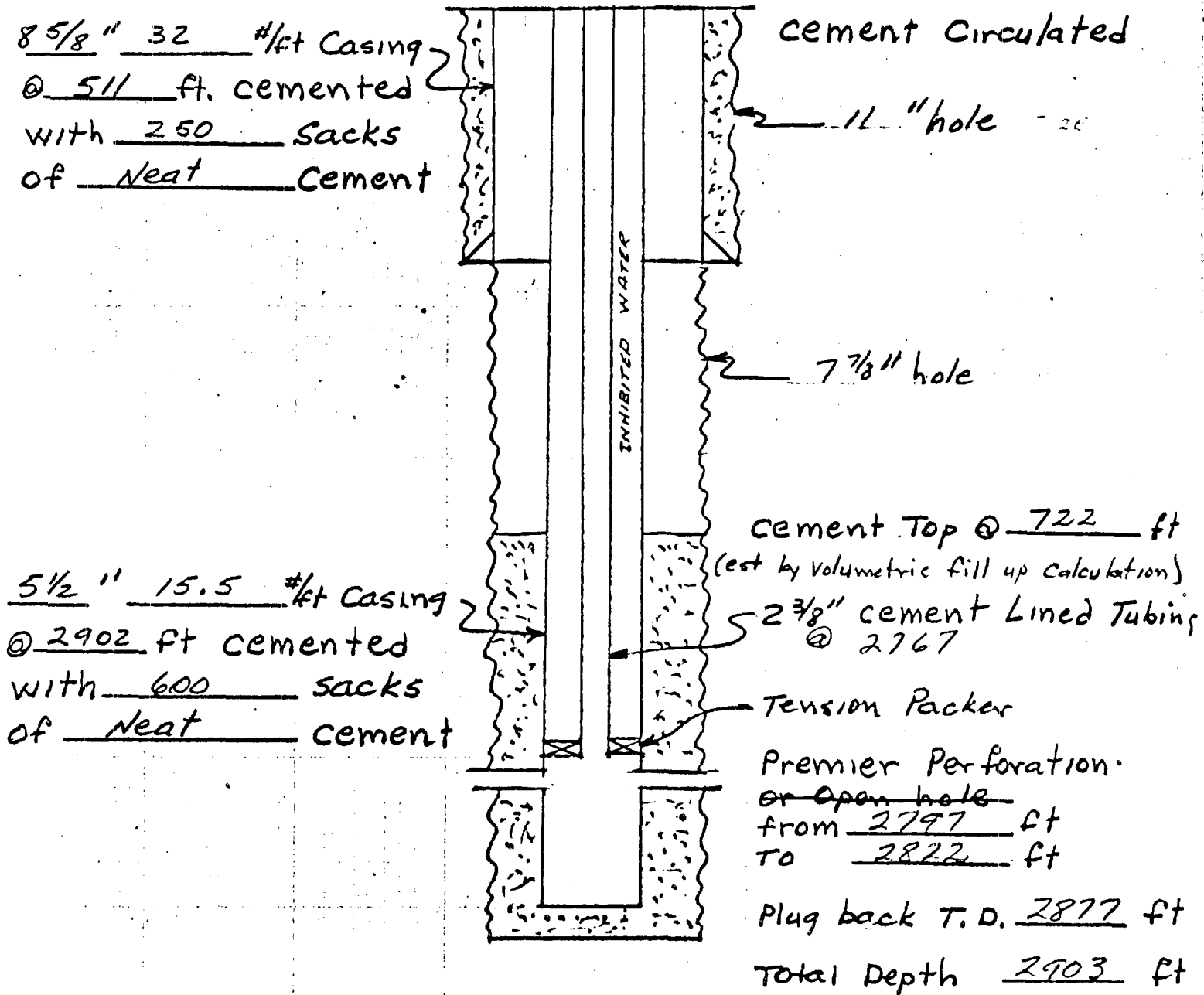


R.W. White 2-11-66

EXHIBIT 4-W

INJECTION WELL COMPLETION DATA

SHELL TAYLOR-FED 2
 OPERATOR LEASE WELL NO.
 LOCATION N - SEC 4 - T16S - R30E
WEST HENSHAW UNIT, EDDY CO, N.M.



R.W. White 2-11-66

EXHIBIT 4 - T

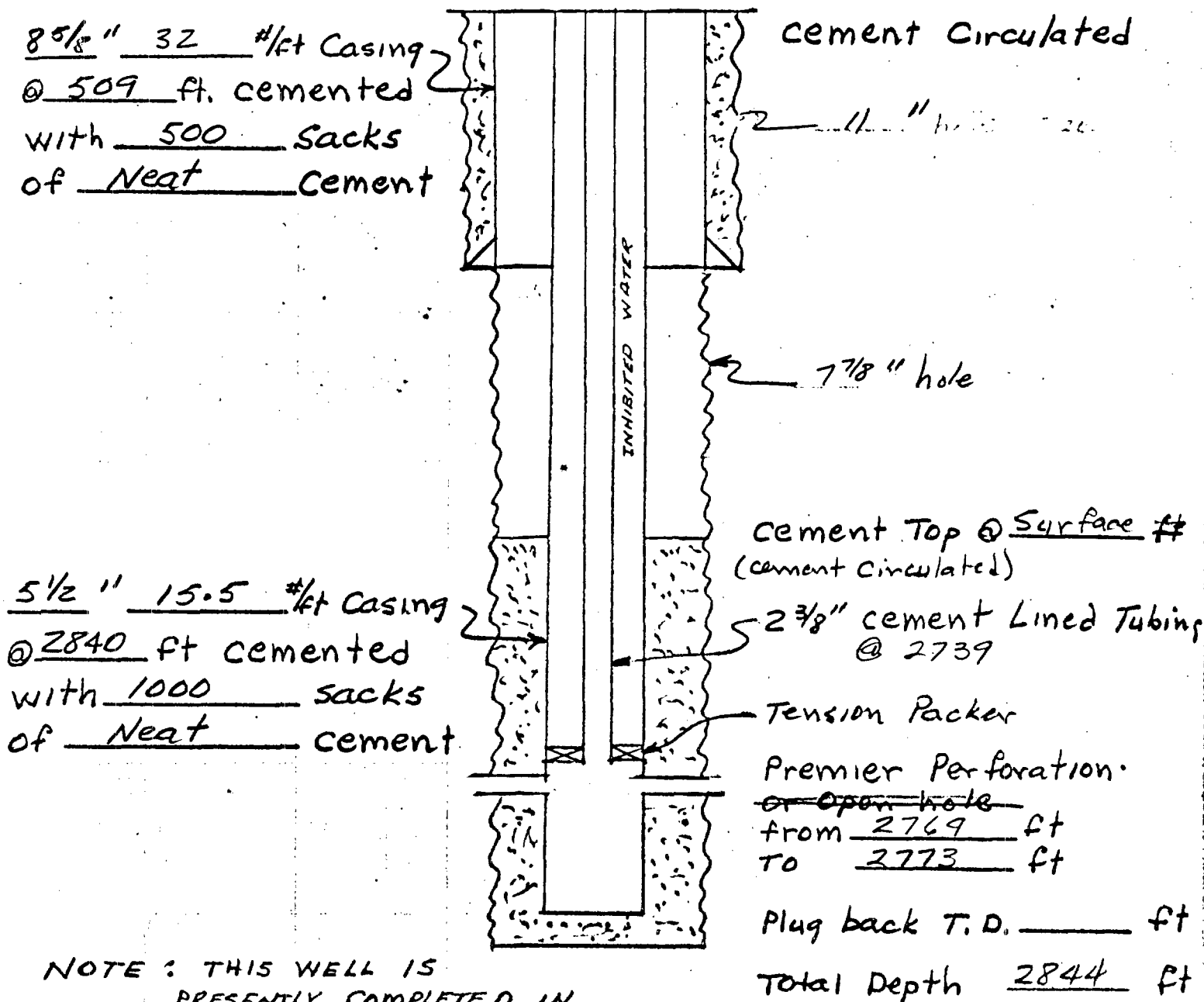
INJECTION WELL COMPLETION DATA

SHELL SPENCER FED A
 OPERATOR LEASE

1
 WELL NO.

LOCATION M - SEC 4 - T16S - R30E

WEST HENSHAW UNIT, EDDY CO, N.M.



NOTE : THIS WELL IS
 PRESENTLY COMPLETED IN
 THE QUEEN SAND AS A
 WATER SOURCE WELL. IT
 WILL BE RECOMPLETED IN
 THE PREMIER.

R.W.white 2-11-66

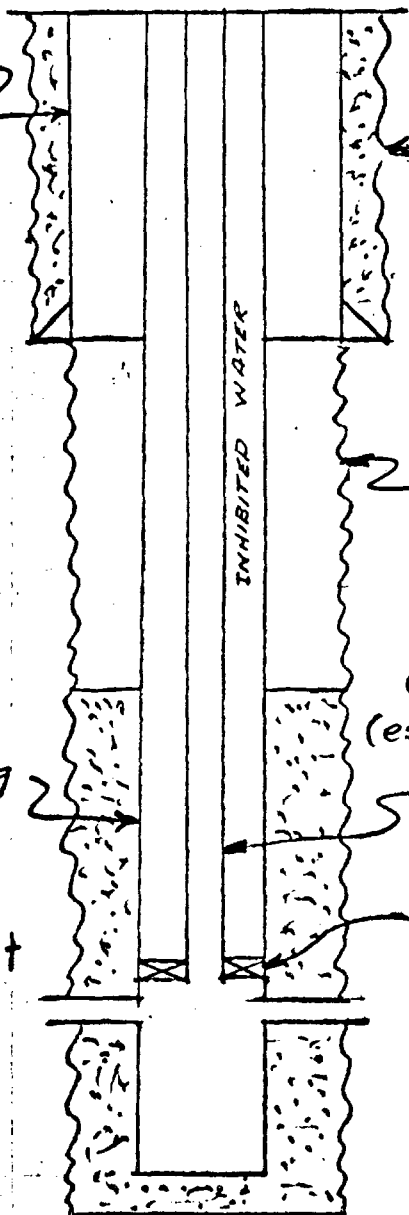
EXHIBIT 4-U
INJECTION WELL COMPLETION DATA

SHELL SPENCER FED A 4
OPERATOR LEASE WELL NO.

LOCATION N - SEC 4 - T16S - R30E
WEST HENSHAW UNIT, EDDY CO., N.M.

8 5/8" 32 #/ft Casing
@ 509 ft. cemented
with 250 Sacks
of Neat Cement

5 1/2" 15.5 #/ft Casing
@ 2860 ft cemented
with 600 sacks
of Neat cement



Cement Top @ 680 ft
(est by Volumetric fill up calculation)
2 3/8" cement Lined Tubing
@ 2760

Tension Packer

Premier Perforation
~~or open hole~~
from 2790 ft
to 2812 ft

Plug back T.D. 2837 ft

Total Depth 2860 ft

R.W. White 2-11-66

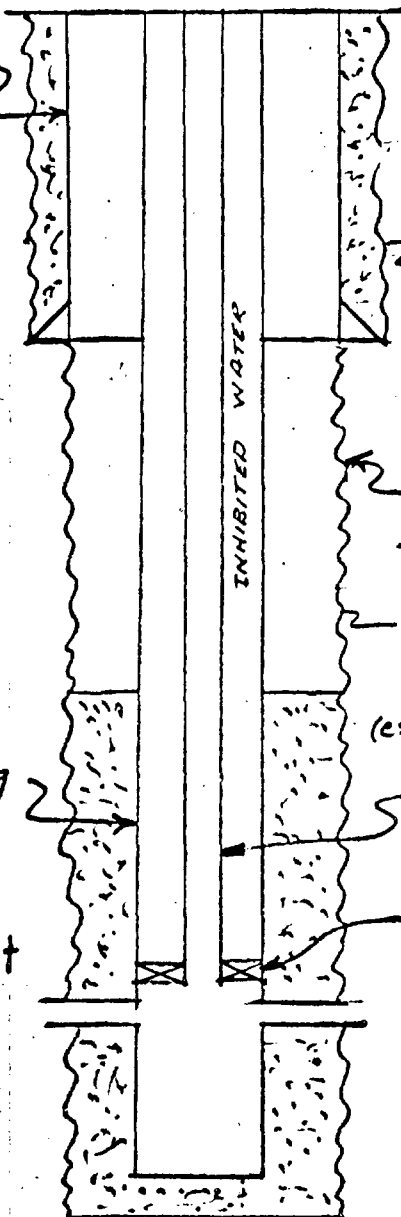
EXHIBIT 4 - G

INJECTION WELL COMPLETION DATA

INTERNATIONAL SPENCER FED 2
 OPERATOR LEASE WELL NO.
 LOCATION S - SEC 4 - T16S - R30E
WEST HENSHAW UNIT, EDDY CO, N.M.

10 3/4" 32 #/ft Casing
@ 428 ft. cemented
with 75 Sacks
of Neat Cement

5 1/2" 15.5 #/ft Casing
@ 2778 ft cemented
with 200 Sacks
of Neat Cement



~~Cement Circulated~~
Top @ 178 ft
 (est. by volumetric fill up calculation)

12 1/2" cable tool hole

10" hole, cable tool to 2135 ft.

8" cable tool hole from 2135 to T.D.

Cement Top @ 2038 ft
 (est. by volumetric fill up calculation)

2 3/8" cement Lined Tubing
 @ 2755

Tension Packer

~~Premier Perforation~~
~~or Open hole~~
 from 2783 ft
 to 2817 ft

~~Plug back T.D.~~ ft

Total Depth 2817 ft

*1 For a Gauge hole and no cement loss top of cement would be @ 56 feet.

*2 For a Gauge hole and no cement loss top of cement would be @ 1856 ft.

R.W. White 7-11-66

EXHIBIT 4-Q

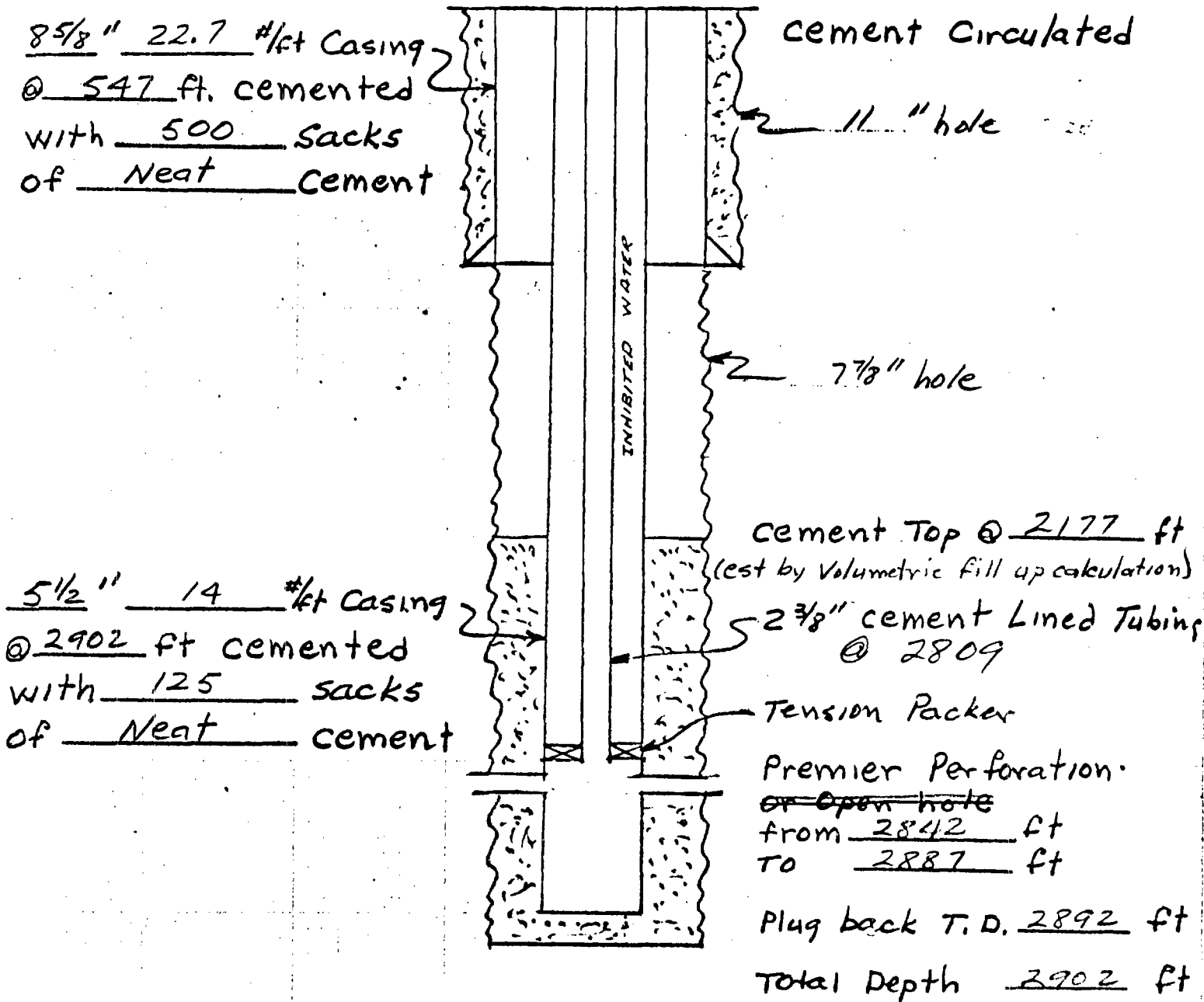
INJECTION WELL COMPLETION DATA

PAN AMERICAN BOSWORTH FED 4

OPERATOR LEASE WELL NO.

LOCATION 9-SEC 4-T16S-R30E

WEST HENSHAW UNIT, EDDY CO, N.M.



R.W. White 2-11-66

EXHIBIT 4 - H

INJECTION WELL COMPLETION DATA

INTERNATIONAL

SPENCER FED

3

OPERATOR

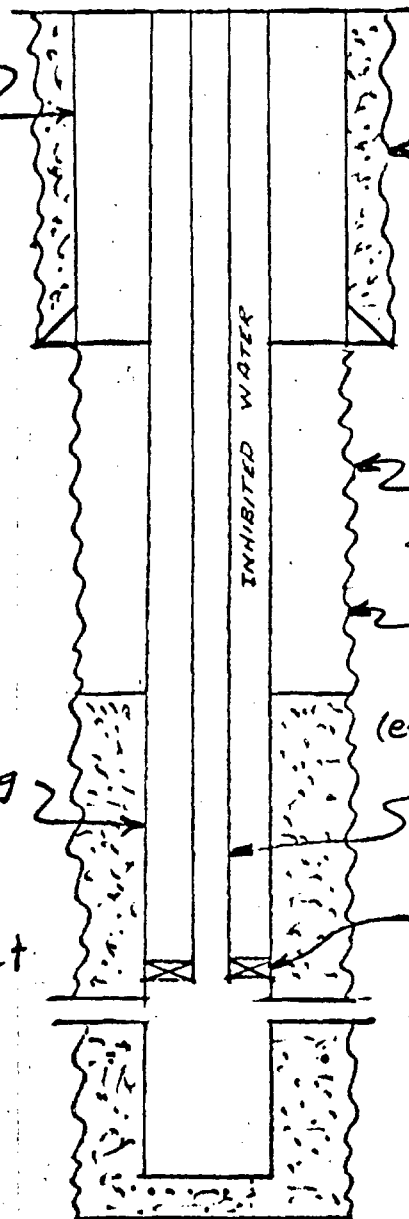
LEASE

WELL NO.

LOCATION U- SEC 4 - T16S - R30E

WEST HENSHAW UNIT, EDDY CO, N.M.

8 5/8" 24 #/ft Casing
@ 449 ft. cemented
with 75 Sacks
of Neat Cement



Cement Circulated
Top @ 200 ft *1

10" cable tool hole

8" cable tool hole
to 2110 ft

6 1/2" cable tool hole
2110' to TD
Cement Top @ 2130 ft (*2)
(est. by volumetric fill up calculation)

2 3/8" cement Lined Tubing
@ 2734

Tension Packer

Premier Perforation
Open hole
from 2770 ft
to 2801 ft

Plug back T.D. 2801 ft

Total Depth 2801 ft

5 1/2" 14 #/ft Casing
@ 2770 ft cemented
with 125 Sacks
of Neat cement

*1 Volumetric fill up Calculations for Gauge hole
and 20% cement loss indicate cement would circulate

*2 Conservative Estimate - For gauge hole and No cement
loss Top of cement would be 1453 feet.

R.W. White 2-11-66

EXHIBIT 4-P

INJECTION WELL COMPLETION DATA

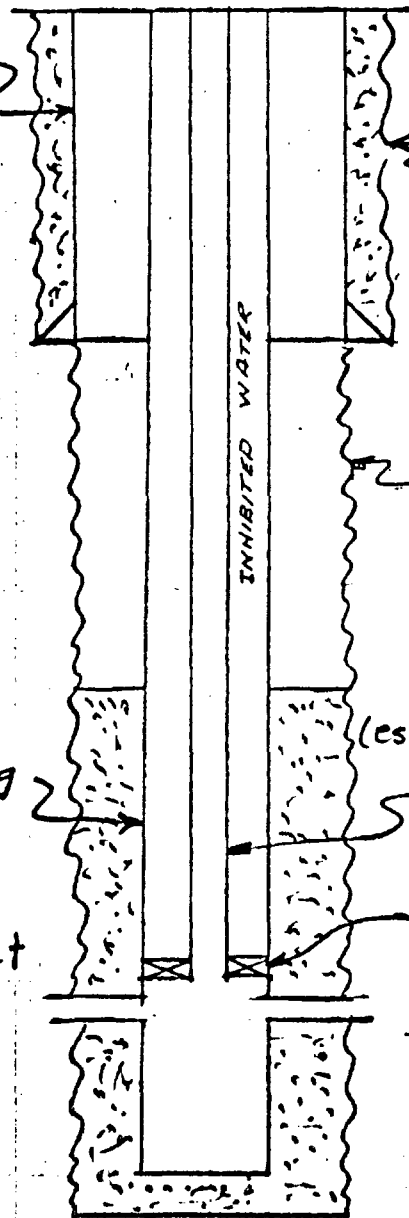
PAN. AMERICAN OPERATOR BOSWORTH FED LEASE 1 WELL NO.

LOCATION W - SEC 4 - T16S - R30E

WEST HENSHAW UNIT, EDDY CO, N.M.

8 5/8" 22.7 #/ft Casing
@ 561 ft. cemented
with 300 Sacks
of Neat Cement

5 1/2" 14 #/ft Casing
@ 2875 ft cemented
with 125 Sacks
of Neat Cement



cement Circulated

11" hole

7 7/8" hole

cement Top @ 2149 ft

(est by Volumetric fill up calculations)

2 3/8" cement Lined Tubing
@ 2786

Tension Packer

Premier Perforation

~~or open hole~~
from 2815 ft
to 2850 ft

Plug back T.D. 2864 ft

Total Depth 2875 ft

R.W. White 2-11-66

EXHIBIT 4-A
INJECTION WELL COMPLETION DATA

FEATHERSTONE CROSBY FED
OPERATOR LEASE

2
WELL NO.

LOCATION 9 - SEC 5 - T16S - R30E
WEST HENSHAW UNIT, EDDY CO, N.M.

8 5/8" 24 #/ft Casing
@ 495 ft. cemented
with 75 Sacks
of Neat Cement

Cement Circulated
(estimated from volumetric
fill up calculations)
10" cable tool hole

5 1/2" 14 #/ft Casing
@ 2815 ft cemented
with 100 sacks
of Neat cement

7 1/8" cable tool hole
to 2740

6 3/4" cable tool hole
from 2740 to TD

Cement Top @ 2200 ft
(Estimated from volumetric
fill up calculation)

2 3/8" cement Lined Tubing
@ 2734

Tension Packer

Premier Perforation
~~or open hole~~
from 2760 ft
to 2800 ft

Plug back T.D. _____ ft

Total Depth 2815 ft

BEFORE EXAMINER NUTTER

CIL CONSERVATION COMMISSION

EXHIBIT NO. 4a-3
CASE NO. 3378

EXHIBIT 4-B

INJECTION WELL COMPLETION DATA

FEATHERSTONE CROSBY FED 3
 OPERATOR LEASE WELL NO.

LOCATION W - SEC 5 - T16S - R30E

WEST HENSHAW UNIT, EDDY CO., N.M.

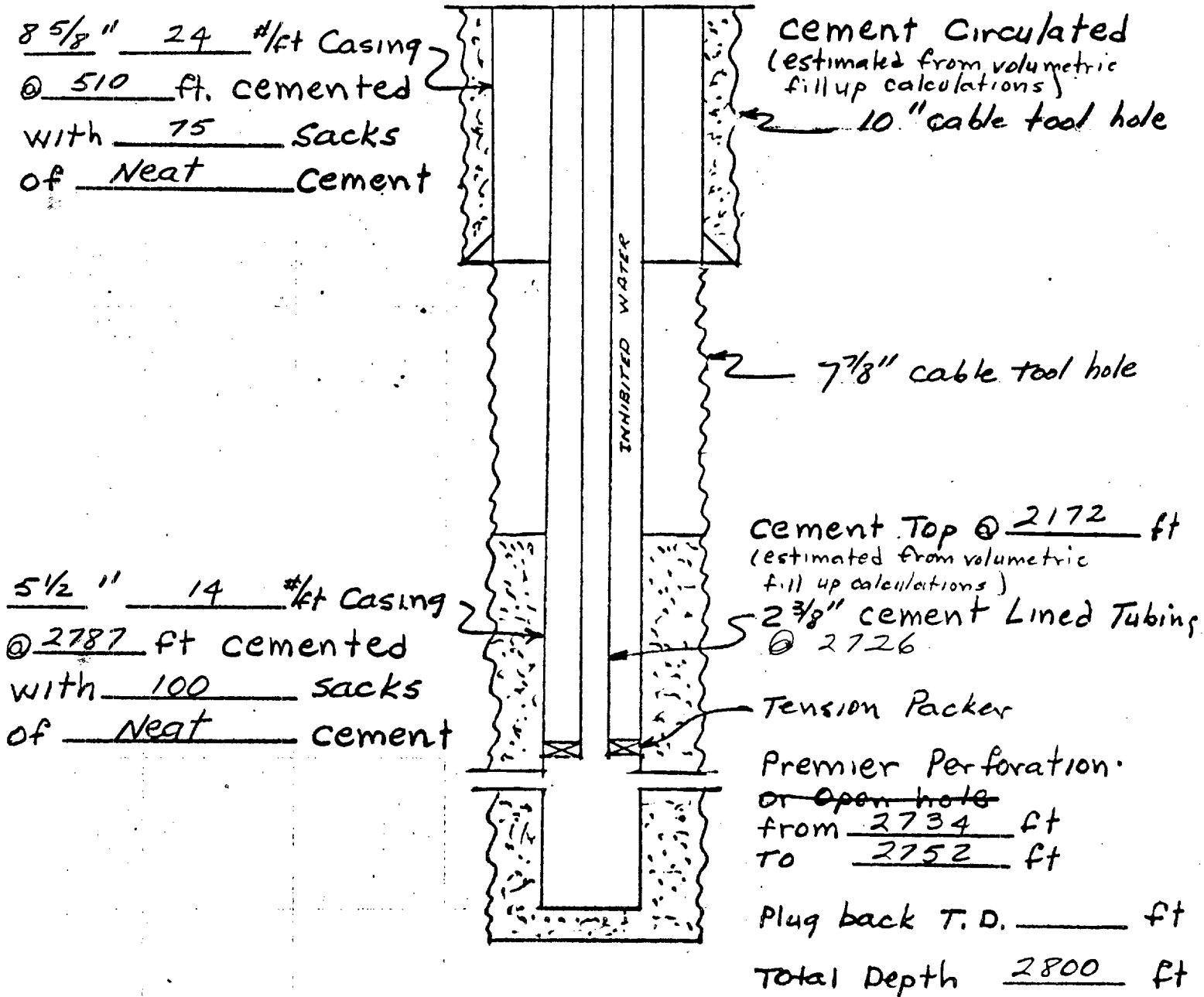
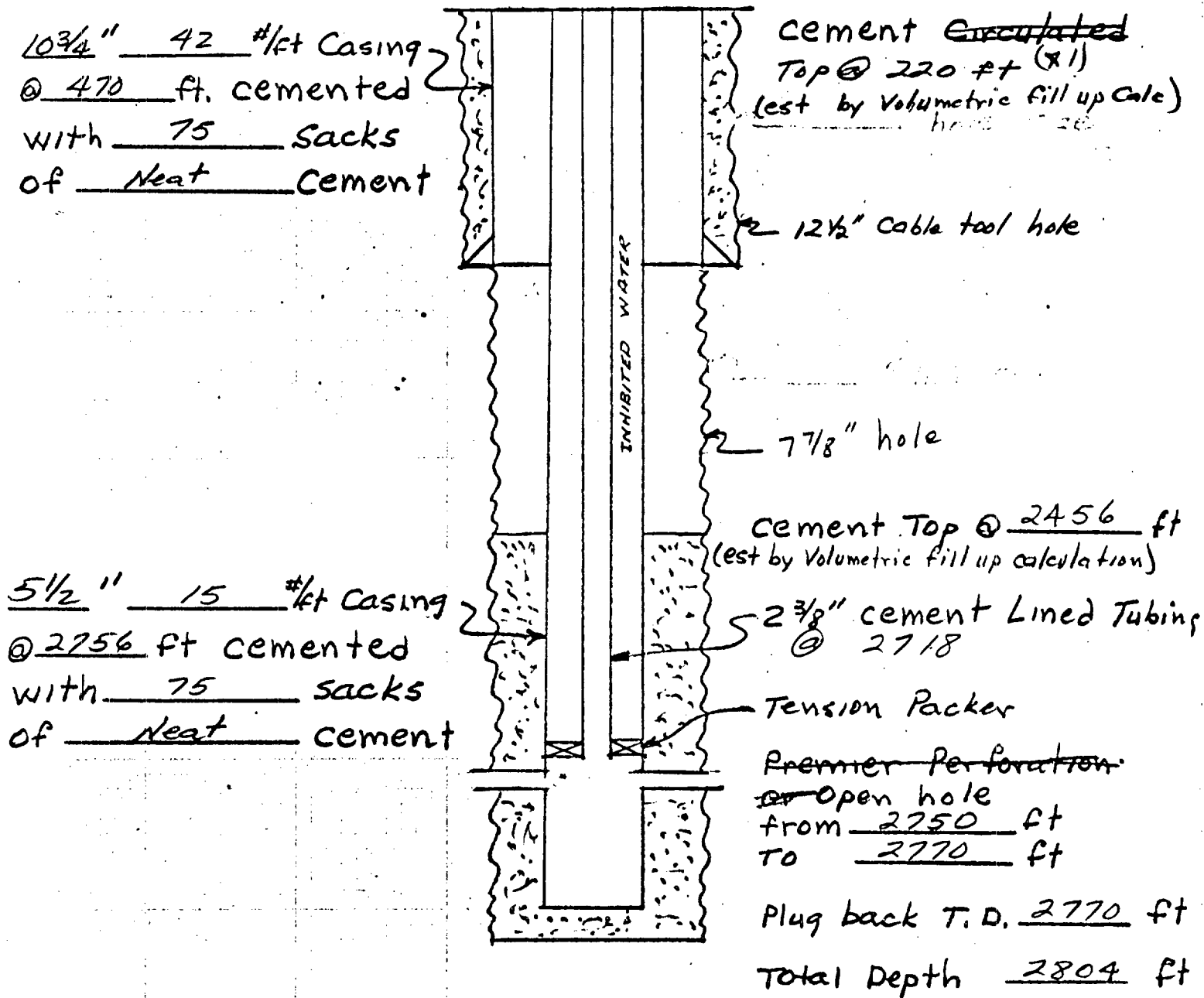


EXHIBIT 4-I

INJECTION WELL COMPLETION DATA

MOBIL FED. D 2
 OPERATOR LEASE WELL NO.
 LOCATION A - SEC 8 - T16S - R30E
WEST HENSHAW UNIT, EDDY CO., N.M.



*1 For Gauge hole and NO cement loss
 Cement Top would be 98 ft.

R.W. White 2-11-66

EXHIBIT 4-O

INJECTION WELL COMPLETION DATA

MOBIL

FEDERAL P

8

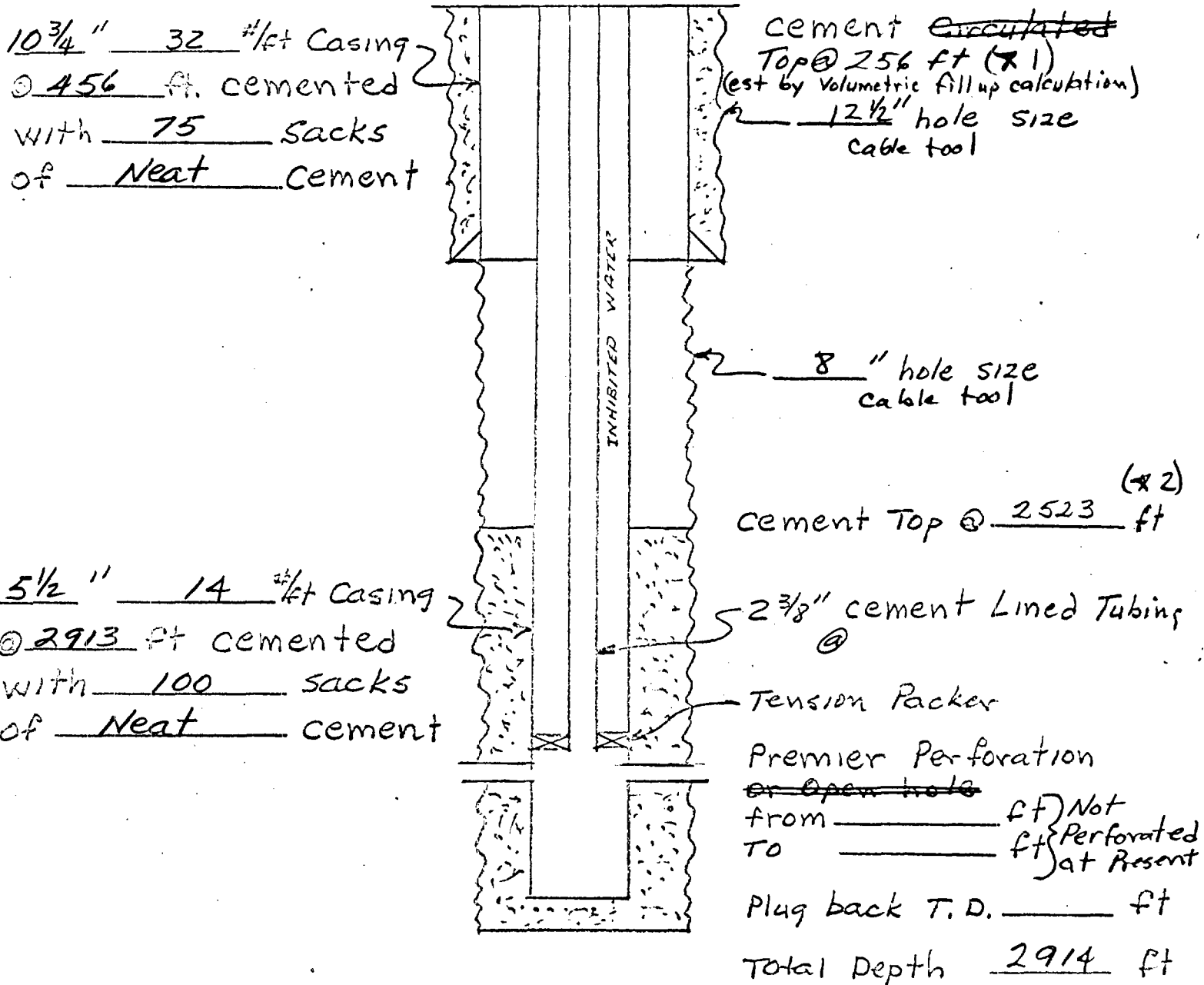
OPERATOR

LEASE

WELL NO.

LOCATION d - SEC 10-T16S-R30E

WEST HENSHAW UNIT, EDDY CO, N.M.



*1 - For Gauge hole and No cement loss
 Top of cement would be 84 feet

*2 - For Gauge hole and No cement loss
 Top of cement would be 2315 feet

R.W. White 2-11-66

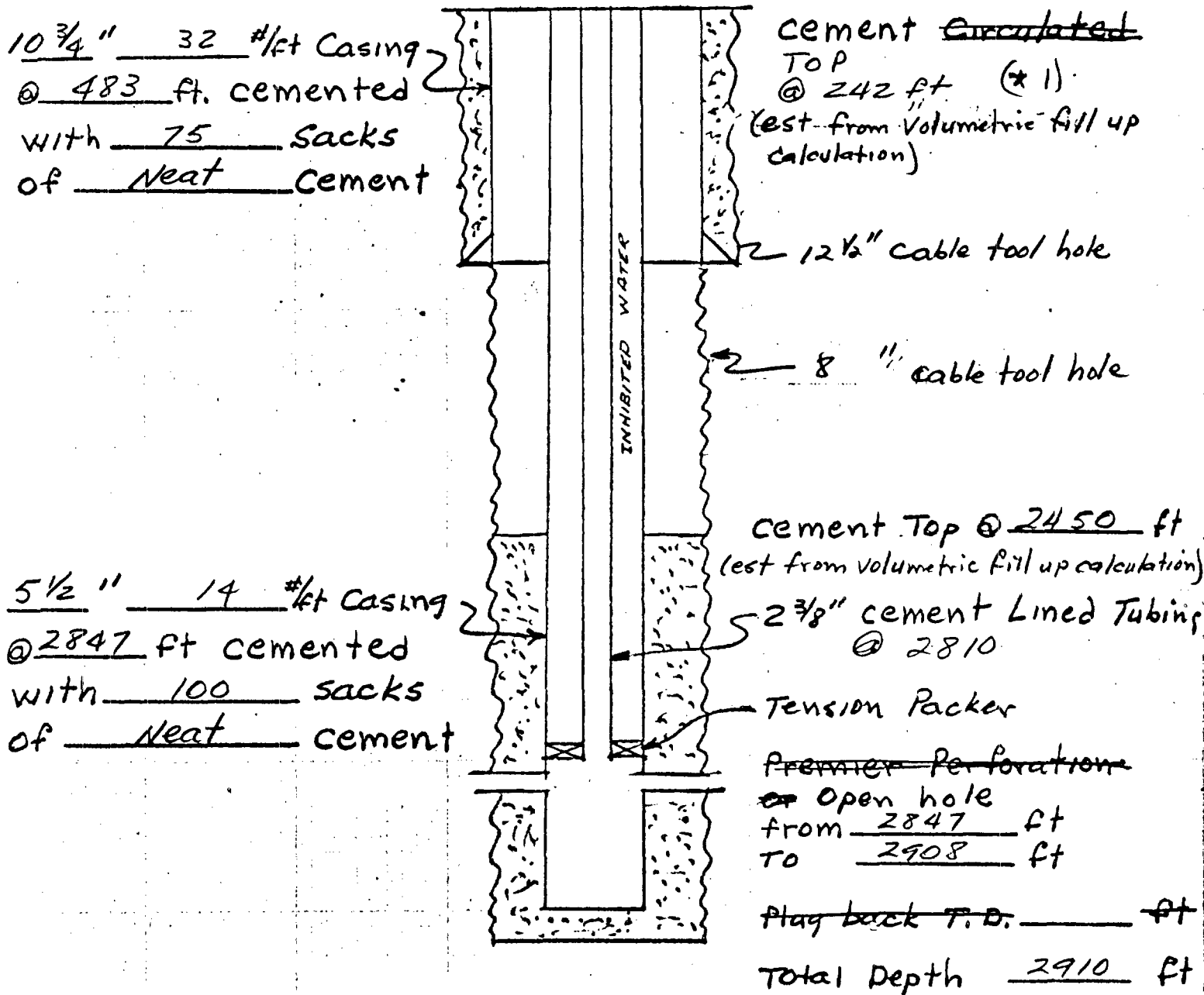
EXHIBIT 4-N

INJECTION WELL COMPLETION DATA

MOBIL Fed P 7
 OPERATOR LEASE WELL NO.

LOCATION C- SEC 10 - T16S - R30E

WEST HENSHAW UNIT, EDDY CO, N.M.



*1 For Gauge hole and no cement loss
 Top of Cement would be 111 feet

R.W. White 2-11-66

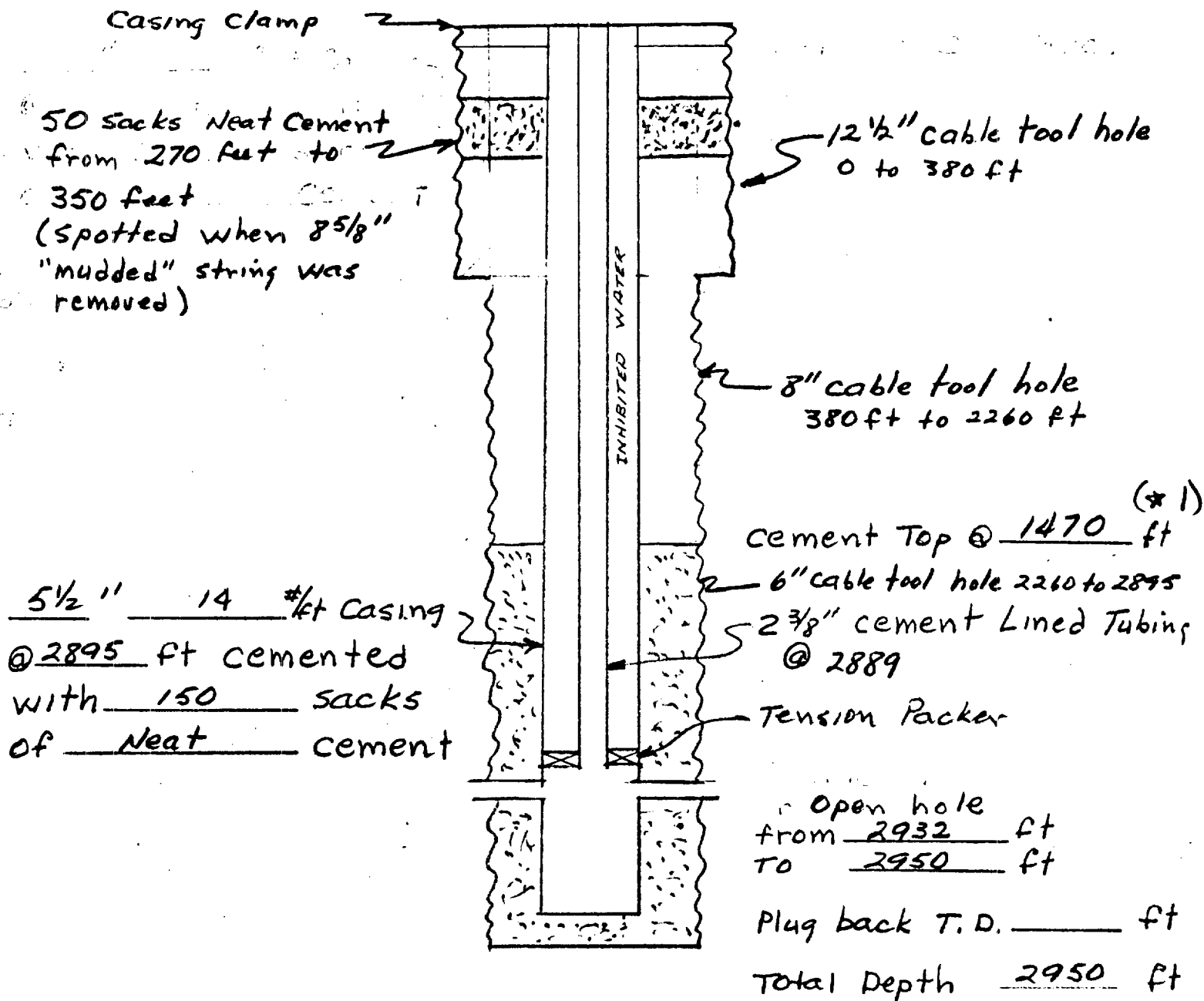
EXHIBIT 4-C

INJECTION WELL COMPLETION DATA

GENERAL AMERICAN STABLEIN Fed 7
 OPERATOR LEASE WELL NO.

LOCATION a - SEC 10 - T16S - R 30E

WEST HENSHAW UNIT, EDDY CO., N.M.



(*) volumetric fill up calculation for gauge hole and No cement loss.

R.W. White 2-11-66

CHAVES

R-30-E

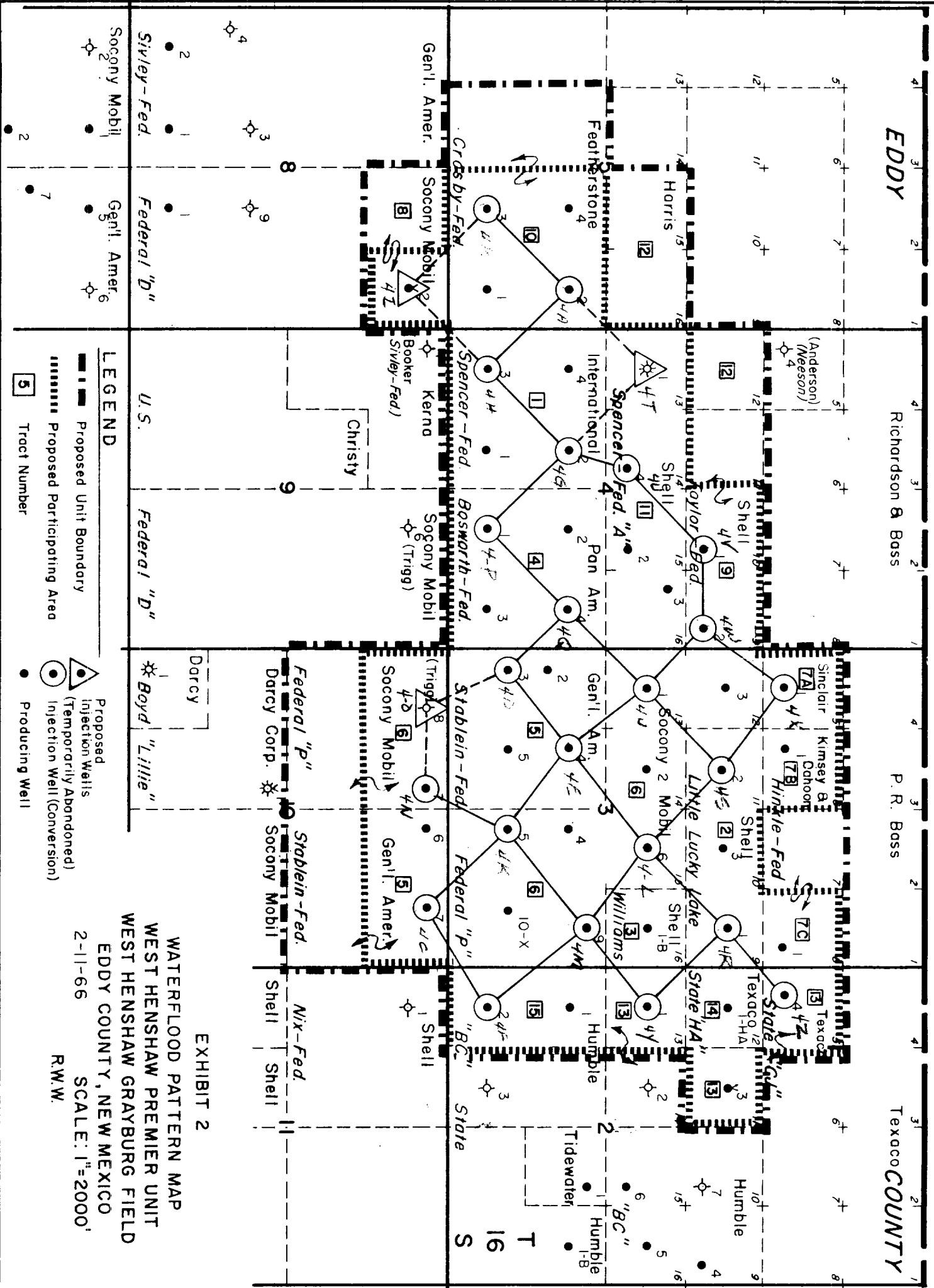
COUNTY

EDDY

Richardson & Bass

P. R. Bass

Texaco COUNTY



SCHLUMBERGER WELL SURVEYING CORPORATION			
COMPANY TEXAS-SHELL WELL LITTLE LUCKY LAKE UNIT #1 FIELD W. HENSHAW G. BURC LOCATION SEC. 3-16S-30E COUNTY EDDY STATE NEW MEXICO		Other Surveys LL, MLL Location of Well 4620' FSL 660' FEL Elevation: K.B. D.F. 3901 or G.L.	
Log Depths Measured From 10.20 Ft. above C.L.			
RUN No.	GR		
Date 5-28-69			
First Reading 2960	2958		
Last Reading 1300	0		
Feet Measured 1260	2958		
Csg. Schum.			
Csg. Driller 425			
Depth Reached 2964			
Bottom Driller 2960			
Mud Not 5.11 GFL			
Dens. 10.4	33		
Mud Resist. 0.59	10.4		
Res. BHT 0.42	9.5		
Wtr. Loss 10	CC 30 min		
Rmt 0.46	72		
Bit Size 7/8			
Spool			
1' ID	To 2800		
3' ID	To 1000		
Op. Rig Time 3 HRS			
Truck No. 2522-ARTESIA			
Recorded By HOPKINS			
Witness KIN			

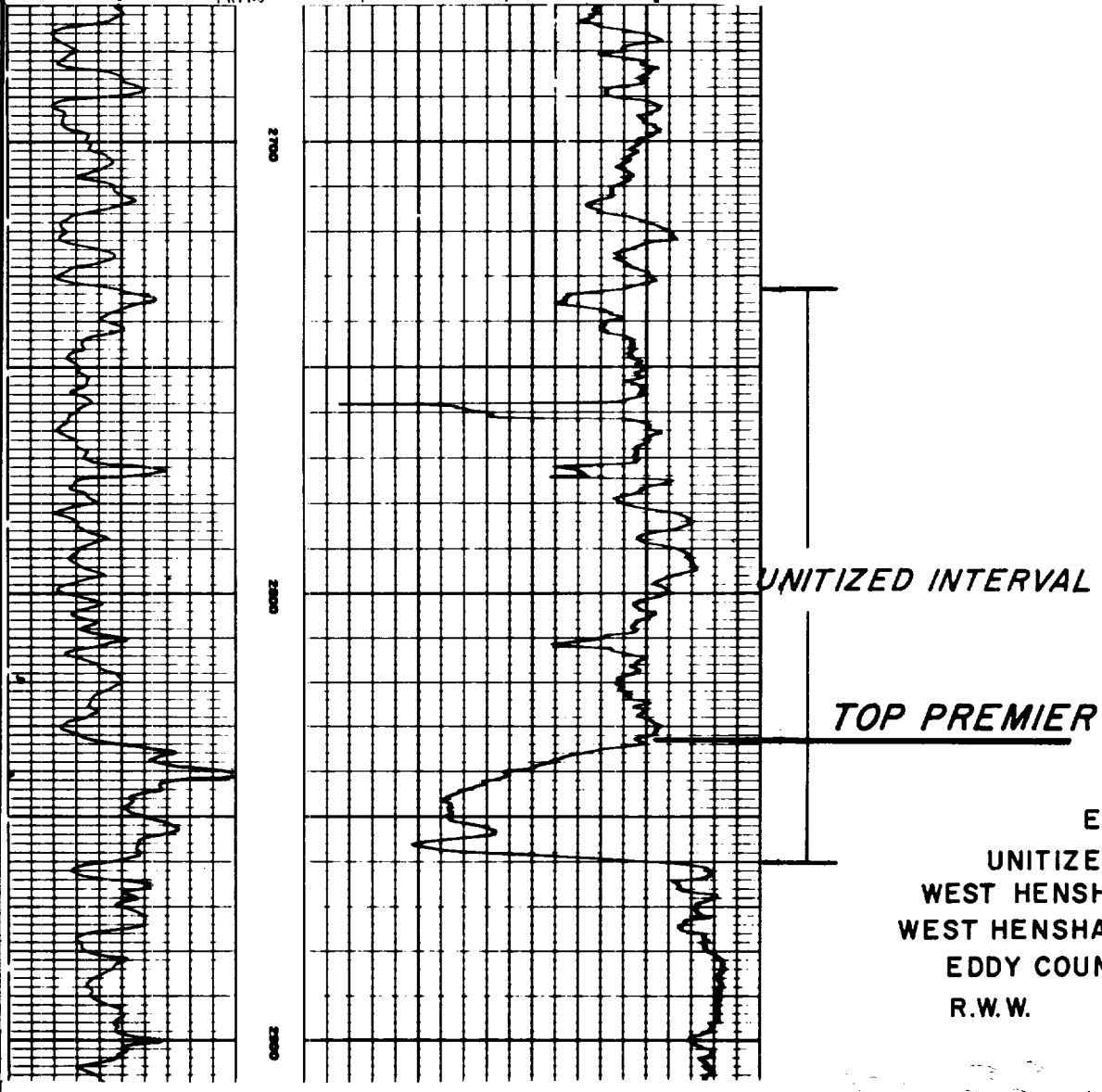


EXHIBIT 3
 UNITIZED FORMATION
 WEST HENSHAW PREMIER UNIT
 WEST HENSHAW GRAYBURG FIELD
 EDDY COUNTY, NEW MEXICO
 R.W.W. 11-22-65

EXHIBIT 4-A

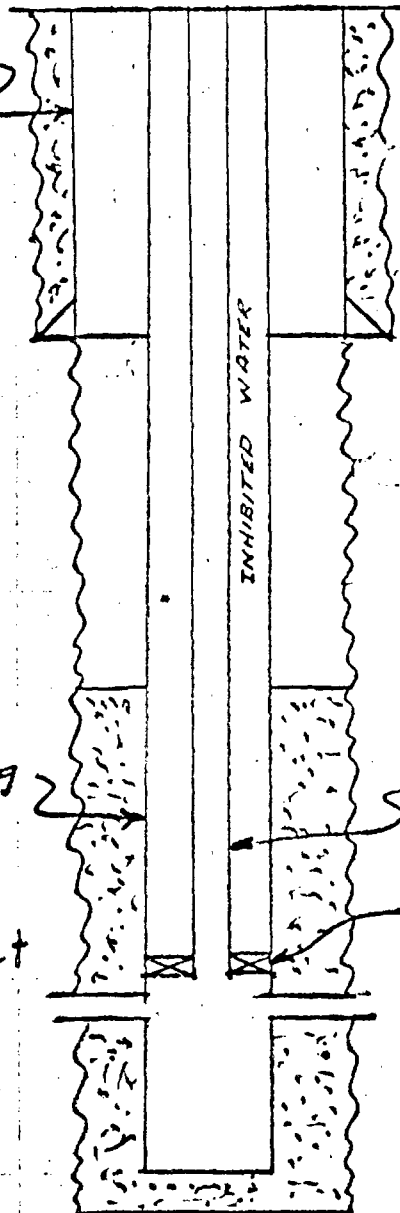
INJECTION WELL COMPLETION DATA

FEATHERSTONE CROSBY FED 2
 OPERATOR LEASE WELL NO.

LOCATION Q - SEC 5 - T16S - R30E
WEST HENSHAW UNIT, EDDY CO, N.M.

8 5/8" 24 #/ft Casing
 @ 495 ft. cemented
 with 75 Sacks
 of Neat Cement

cement Circulated



5 1/2" 14 #/ft Casing
 @ 2815 ft cemented
 with 100 Sacks
 of Neat Cement

Cement Top @ 2200 ft

2 3/8" cement Lined Tubing
 @ 2734

Tension Packer

Premier Perforation:
~~or open hole~~
 from 2760 ft
 to 2800 ft

Plug back T.D. _____ ft

Total Depth 2815 ft

EXHIBIT 4-B

INJECTION WELL COMPLETION DATA

FEATHERSTONE CROSBY FED 3
 OPERATOR LEASE WELL NO.
 LOCATION W - SEC 3 - T16S - R30E
WEST HENSHAW UNIT, EDDY CO., N.M.

8 5/8" 24 #/ft Casing
@ 510 ft. cemented
with 75 Sacks
of Neat Cement

cement Circulated

5 1/2" 14 #/ft Casing
@ 2787 ft cemented
with 100 Sacks
of Neat Cement

Cement Top @ 2172 ft

2 3/8" cement Lined Tubing
@ 2726

Tension Packer

Premier Perforation:
~~or open hole~~
 from 2734 ft
 to 2752 ft

Plug back T.D. _____ ft

Total Depth 2800 ft

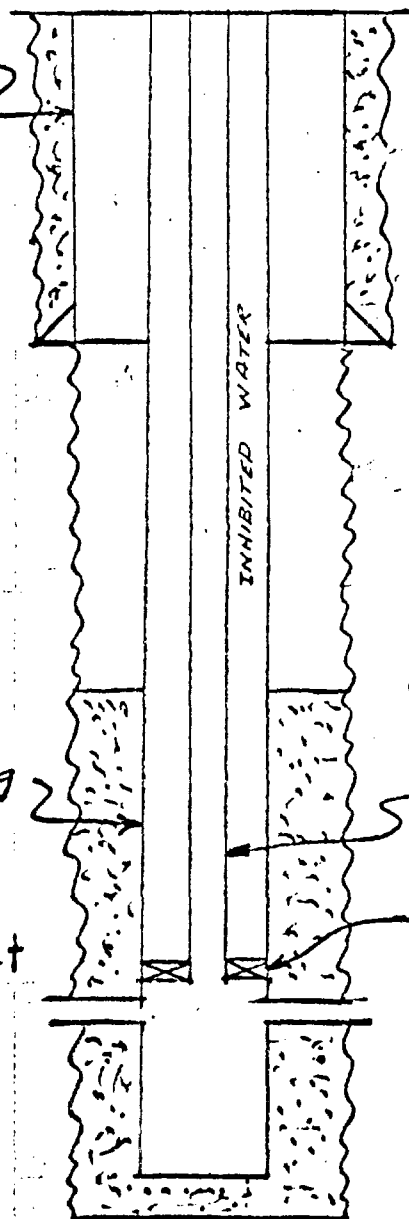


EXHIBIT 4-C

INJECTION WELL COMPLETION DATA

GENERAL AMERICAN STABLEIN

OPERATOR

LEASE

7
WELL NO.

LOCATION Q- SEC 10-T16S-R30E

WEST HENSHAW UNIT, EDDY CO., N.M.

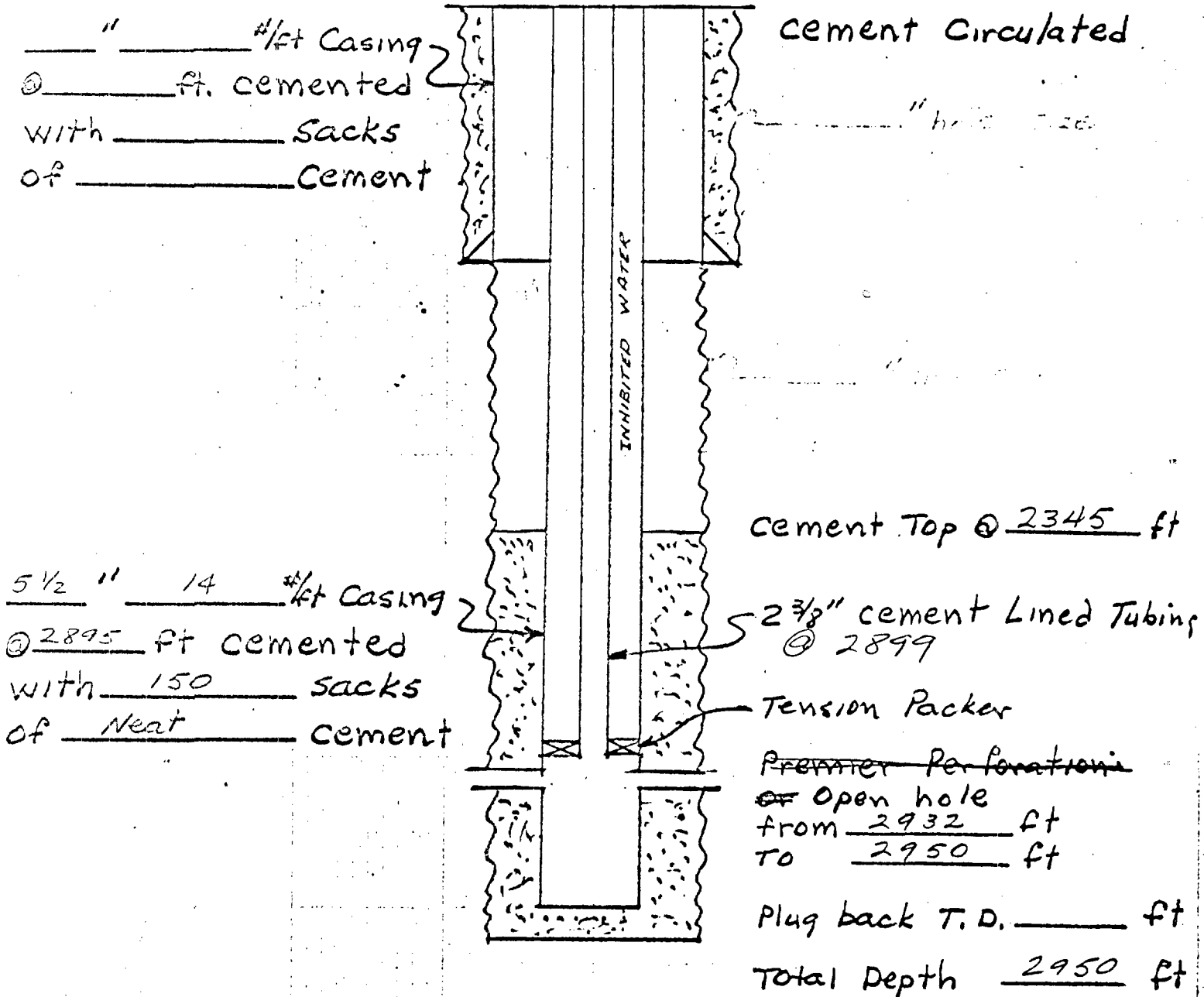


EXHIBIT 4-D

INJECTION WELL COMPLETION DATA

GENERAL AMERICAN STABLEIN FED

3

OPERATOR

LEASE

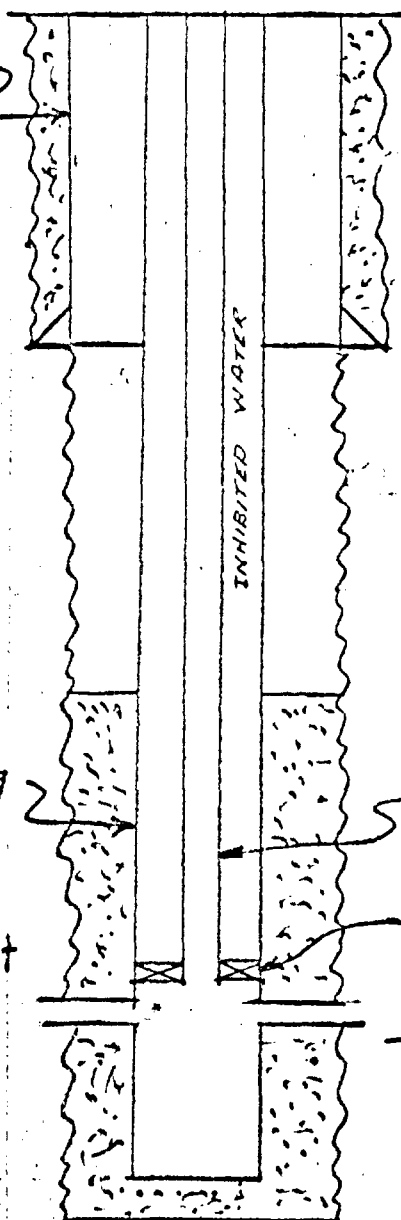
WELL NO.

LOCATION U - SEC 3 - T16S - R30E

WEST HENSHAW UNIT, EDDY CO., N.M.

10 $\frac{3}{4}$ " 32.75 #/ft Casing
 @ 430 ft. cemented
 with 50 Sacks
 of Neat Cement

Cement ~~Circulated~~
 Top @ 270 ft.



7" 23 #/ft Casing
 @ 2848 ft cemented
 with 100 sacks
 of Neat Cement

Cement Top @ 2228 ft

2 $\frac{3}{8}$ " cement Lined Tubing
 @ 2822

Tension Packer

~~Premier Perforation~~

~~or~~ Open hole
 from 2848 ft
 to 2899 ft

Plug back T.D. _____ ft

Total Depth 2899 ft

EXHIBIT 4-E

INJECTION WELL COMPLETION DATA

GENERAL AMERICAN STABLEIN FED 4

OPERATOR LEASE WELL NO.

LOCATION S - SEC 3 - T14S - R30E

WEST HENSHAW UNIT, EDDY CO, N.M.

10 3/4" 32.75 #/ft Casing
@ 438 ft. cemented
with 50 Sacks
of Neat Cement

Cement ~~Circulated~~
Top @
278 ft.

7" 23 #/ft Casing
@ 2853 ft. cemented
with 200 Sacks
of Neat Cement

Cement Top @ 2183 ft

2 3/8" cement Lined Tubing
@ 2820

Tension Packer

~~Premier Perforation~~
or Open hole
from 2853 ft
to 2879 ft

~~Plug back T.D.~~ ft

Total Depth 2899 ft

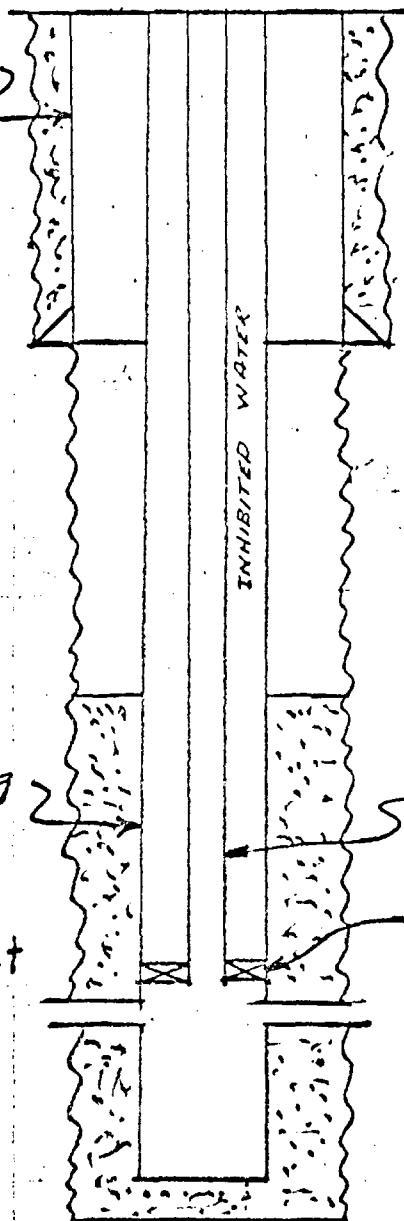
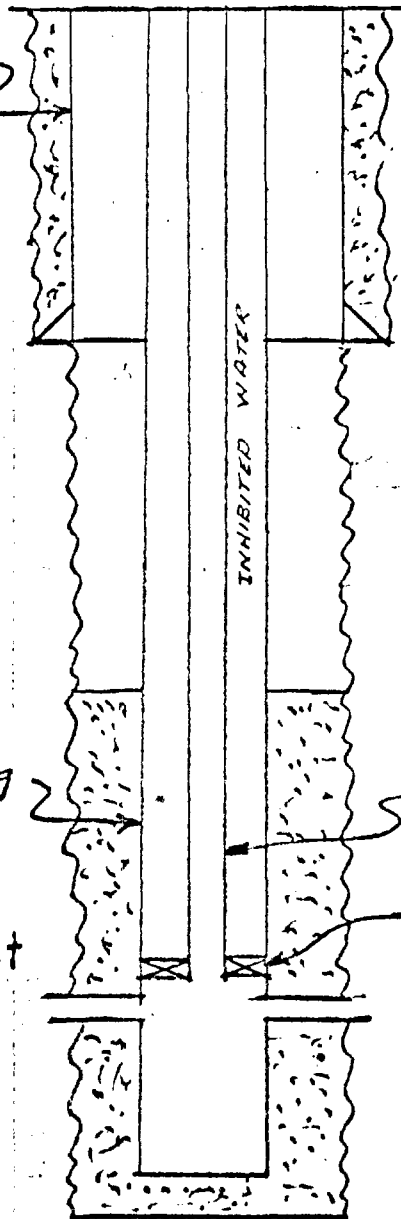


EXHIBIT 4 - F
INJECTION WELL COMPLETION DATA

HUMBLE STATE BC 2
OPERATOR LEASE WELL NO.
LOCATION u - Sec 2 - T 16 S - R 30 E
WEST HENSHAW UNIT, EDDY CO., N.M.

7 5/8" 26.4 #/ft Casing
@ 505 ft. cemented
with 475 Sacks
of Neat Cement



cement Circulated

Cement Top @ 2333 ft

2 7/8" 6.5 #/ft Casing
@ 2983 ft cemented
with 150 Sacks
of Neat Cement

2 7/8" cement Lined Tubing
@ 2888

Tension Packer

Premier Perforation
~~or Open hole~~
from 2928 ft
to 2936 ft

Plug back T.D. 2970 ft

Total Depth 2984 ft

EXHIBIT 4-G

INJECTION WELL COMPLETION DATA

INTERNATIONAL SPENCER FED 2
 OPERATOR LEASE WELL NO.
 LOCATION S-SEC 4-T16S-R30E
WEST HENSHAW UNIT, EDDY CO, N.M.

10 3/4" 32 #/ft Casing
 @ 128 ft cemented
 with 75 Sacks
 of Neat Cement

Cement ~~Circulated~~
 TOP @ 178 ft.

5 1/2" 15.5 #/ft Casing
 @ 2778 ft cemented
 with 200 Sacks
 of Neat Cement

Cement Top @ 2038 ft

2 3/8" cement Lined Tubing
 @ 2755

Tension Packer

~~Premier Perforation~~
 or Open hole
 from 2783 ft
 to 2817 ft

~~Plug back T.D.~~ ft

Total Depth 2817 ft

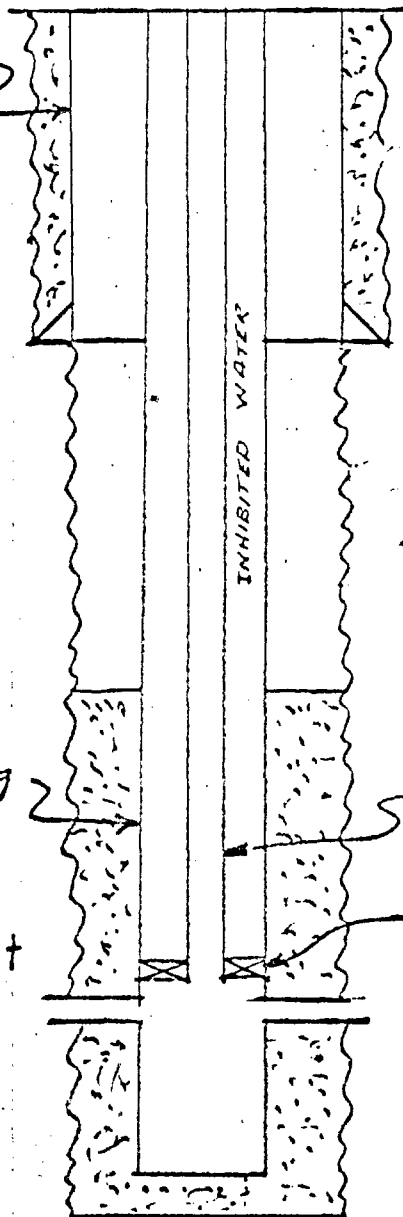


EXHIBIT 4 - H

INJECTION WELL COMPLETION DATA

INTERNATIONAL

SPENCER FED

3

OPERATOR

LEASE

WELL NO.

LOCATION U - SEC 4 - T16S - R30E

WEST HENSHAW UNIT, EPDY CO, N.M.

8 5/8" 24 #/ft Casing
 @ 449 ft cemented
 with 75 Sacks
 of Neat Cement

Cement ~~Circulated~~
 Top @ 200 ft

5 1/2" 14 #/ft Casing
 @ 2770 ft cemented
 with 125 Sacks
 of Neat Cement

Cement Top @ 2130 ft

2 3/8" cement Lined Tubing
 @ 2734

Tension Packer

~~Premier Perforation~~

or Open hole
 from 2770 ft
 to 2801 ft

Plug back T.D. _____ ft

Total Depth 2801 ft

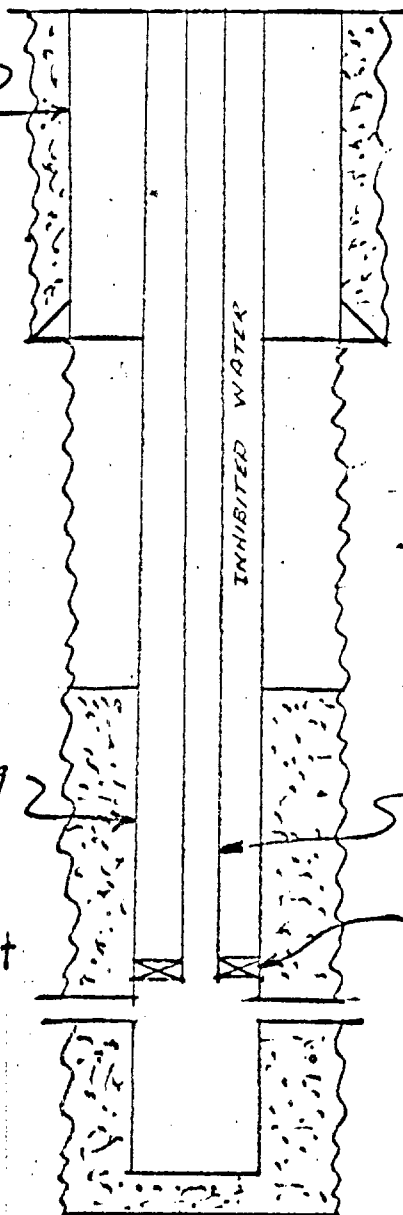


EXHIBIT 4-I

INJECTION WELL COMPLETION DATA

MOBIL FED. D 2
 OPERATOR LEASE WELL NO.
 LOCATION A - SEC 8 - T14S - R30E
WEST HENSHAW UNIT, EDDY CO., N.M.

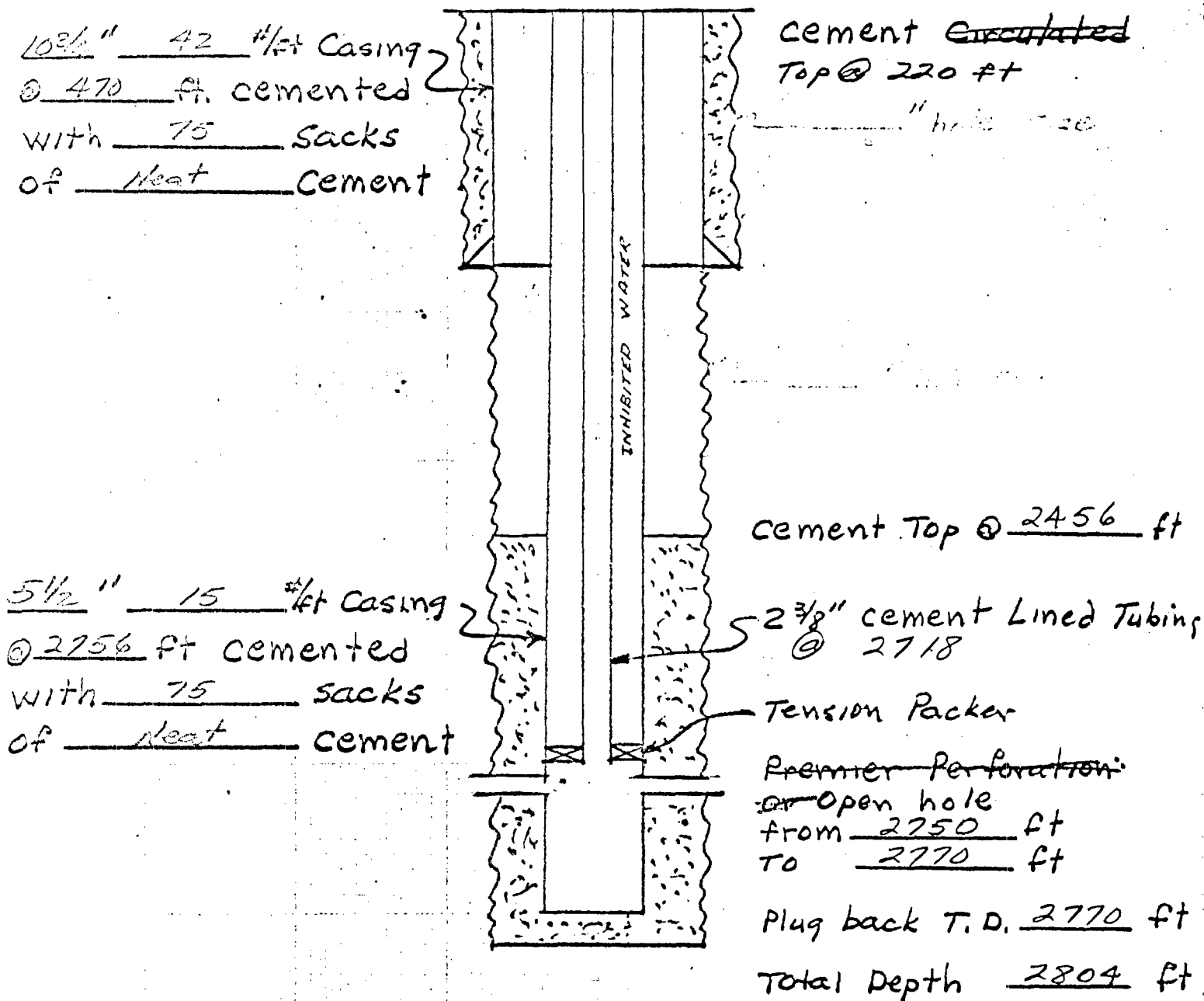


EXHIBIT 4-J

INJECTION WELL COMPLETION DATA

MOBIL

Felt P

1

OPERATOR

LEASE

WELL NO.

LOCATION M - SEC 3 - T16 S - R 30 E

WEST HENSHAW UNIT, EDDY CO, N.M.

10 3/4" 32 #/ft Casing
@ 425 ft. cemented
with 75 Sacks
of Neat Cement

cement Circulated

5 1/2" 15.5 #/ft Casing
@ 2825 ft cemented
with 100 Sacks
of Neat cement

Cement Top @ 2435 ft

2 3/8" cement Lined Tubing
@ 2796

Tension Packer

~~Preformer Perforation~~

~~or Open hole~~
 from 2825 ft
 to 2865 ft

~~Plug back T.D. 2865 ft~~

Total Depth 2869 ft

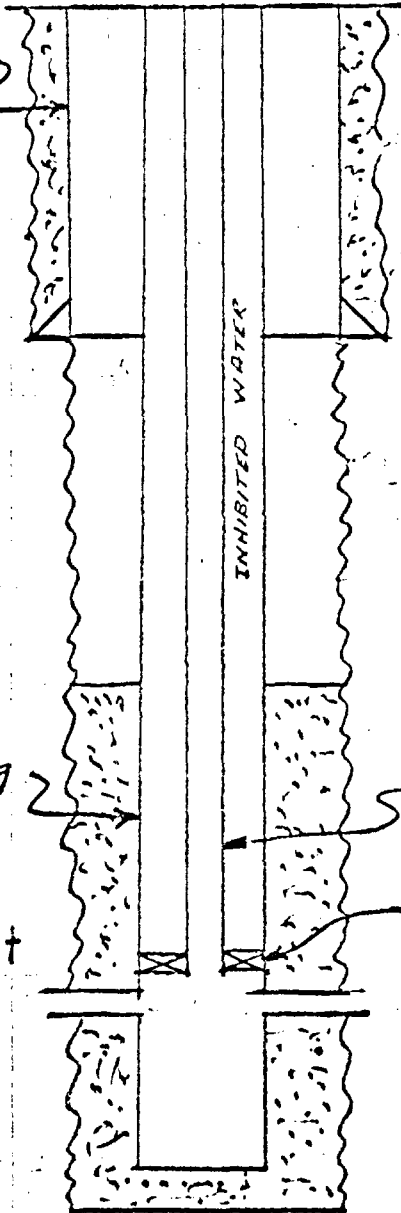


EXHIBIT 4-K

INJECTION WELL COMPLETION DATA

MOBIL

FED. P

5

OPERATOR

LEASE

WELL NO.

LOCATION W - SEC 3 - T16S - R30E

WEST HENSHAW UNIT, EDDY CO, N.M.

10 3/4" 32 #/ft Casing
@ 485 ft. cemented
with 75 Sacks
of Neat Cement

cement ~~circulated~~
Top @ 235 ft.

5 1/2" 14 #/ft Casing
@ 2867 ft cemented
with 100 sacks
of Neat cement

Cement Top @ 2217 ft

2 3/8" cement Lined Tubing
@ 2839

Tension Packer

~~Perforation~~
or Open hole
from 2867 ft
to 2909 ft

~~Plug back T.D.~~ ft

Total Depth 2909 ft

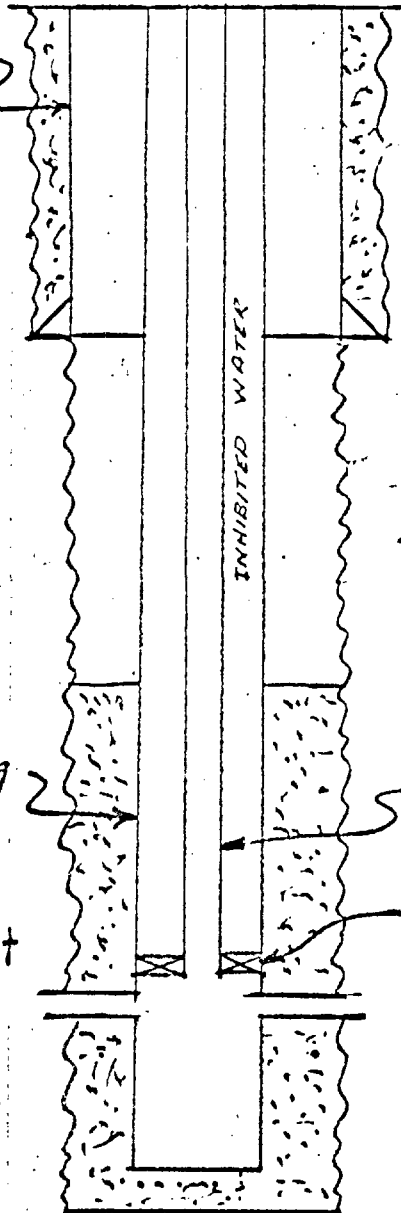


EXHIBIT 4-L

INJECTION WELL COMPLETION DATA

MOBILFED. P.6

OPERATOR

LEASE

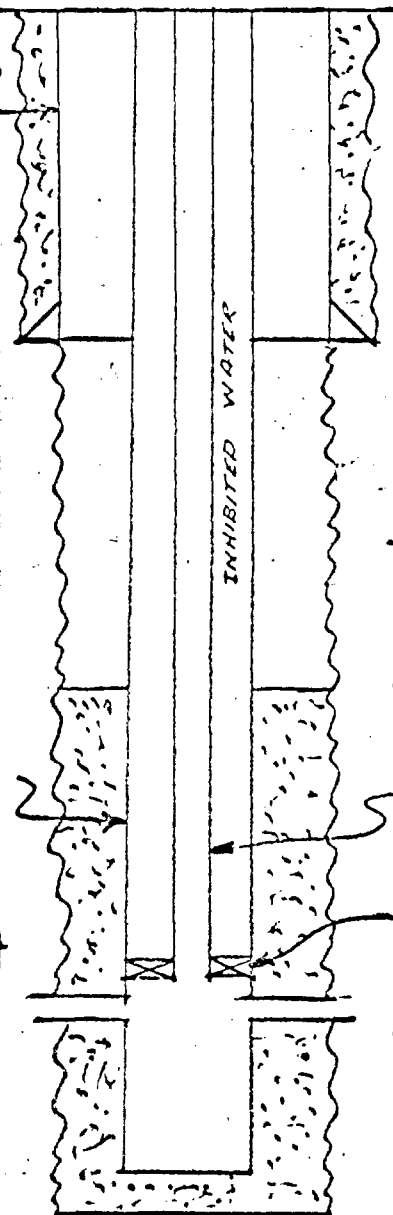
WELL NO.

LOCATION 0 SEC 3 - T16S - R30E

WEST HENSHAW UNIT, EPPY CO., N.M.

10 3/4 " 32 #/ft Casing
 @ 432 ft cemented
 with 75 Sacks
 of Neat Cement

Cement ~~Cemented~~
 Top @ 180 ft.



5 1/2 " 14 #/ft Casing
 @ 2833 ft cemented
 with 90 Sacks
 of Neat Cement

Cement Top @ 2243 ft

2 7/8 " cement Lined Tubing
 @ 2802

Tension Packer

~~Premier Perforation.~~

Open hole
 from 2833 ft
 to 2861 ft

Plug back T.D. ft

Total Depth 2861 ft

EXHIBIT 4-M

INJECTION WELL COMPLETION DATA

MOBIL FED P 9
 OPERATOR LEASE WELL NO.

LOCATION SEC 3 - T14S - R30E

WEST HENSHAW UNIT, EDDY CO, N.M.

10 3/4" 32 #/ft Casing
 @ 449 ft. cemented
 with 75 Sacks
 of Neat Cement

Cement ~~Cemented~~
 Top @ 200 ft.

5 1/2" 14 #/ft Casing
 @ 2879 ft cemented
 with 90 Sacks
 of Neat cement

Cement Top @ 2289 ft

2 3/8" cement Lined Tubing
 @ 2852

Tension Packer

~~Premier Perforation~~

~~or~~ Open hole
 from 2879 ft
 to 2906 ft

Plug back T.D. ft

Total Depth 2906 ft

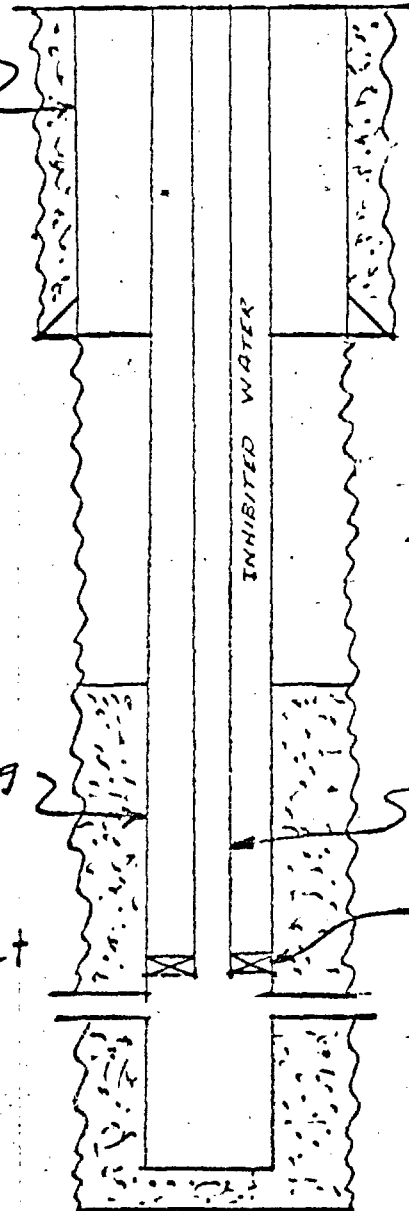


EXHIBIT 4-N

INJECTION WELL COMPLETION DATA

MOBIL Fed P 7
 OPERATOR LEASE WELL NO.

LOCATION C- SEC 10 - T16S - R30E
 WEST HENSHAW UNIT, EDDY CO, N.M.

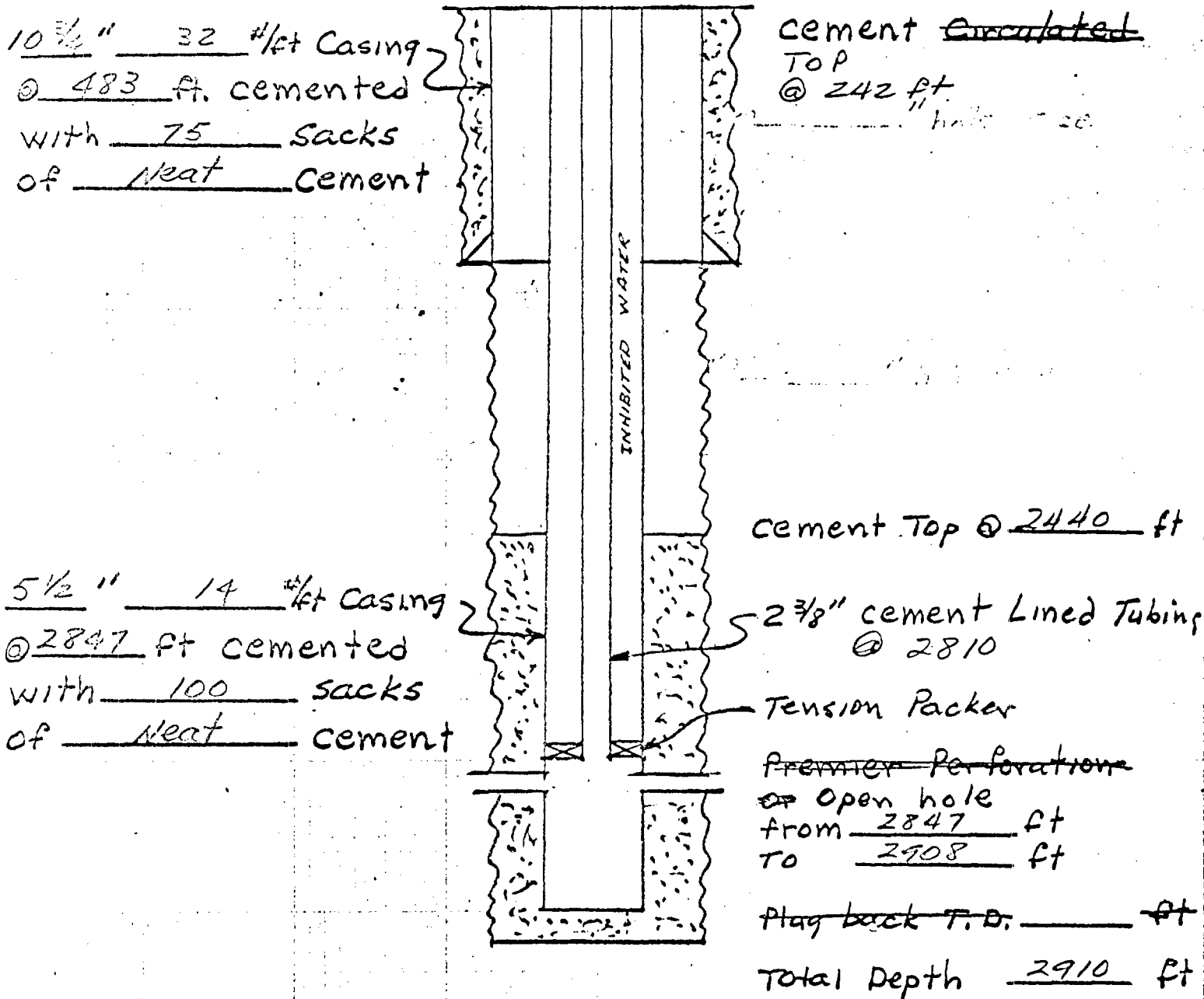


EXHIBIT 4-0

INJECTION WELL COMPLETION DATA

MOBIL

FEDERAL D

8

OPERATOR

LEASE

WELL NO.

LOCATION 8-SEC 10-T165-R30E

WEST HENSHAW UNIT, EDDY CO, N.M.

10 3/4" 32 #/ft Casing
3456 ft. cemented
 with 75 Sacks
 of Neat Cement

Cement ~~circulated~~
 Top @ 256 ft

____" hole size

____" hole size

Cement Top @ 2523 ft

5 1/2" 14 #/ft Casing
 @ 2913 ft cemented
 with 100 Sacks
 of Neat cement

2 3/8" cement Lined Tubing
 @

Tension Packer

Premier Perforation

~~or open hole~~
 from _____ ft } Not
 To _____ ft } Perforated
 at Present

Plug back T.D. _____ ft

Total Depth 2914 ft

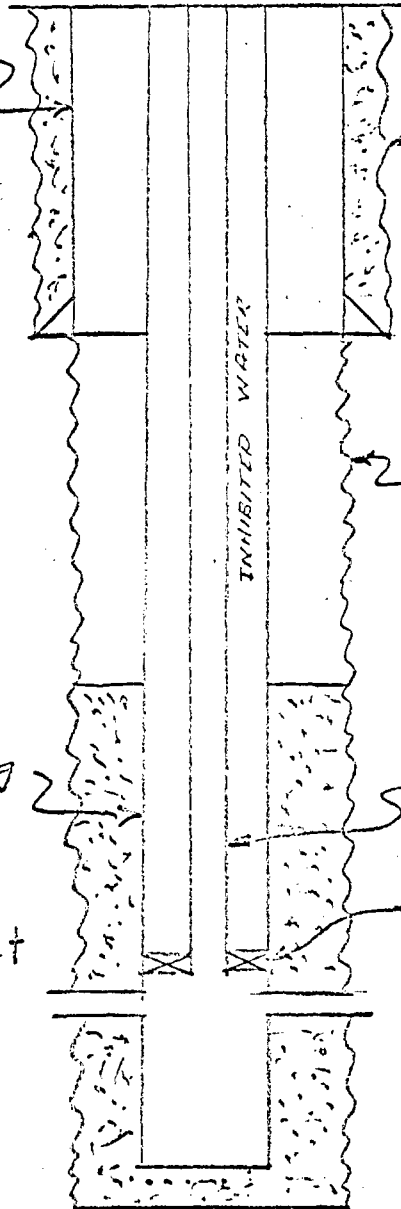


EXHIBIT 4-P

INJECTION WELL COMPLETION DATA

PAN AMERICAN BOSWORTH FED 1
 OPERATOR LEASE WELL NO.

LOCATION W - SEC 4 - T16S - R30E

WEST HENSHAW UNIT, EDDY CO, N.M.

8 5/8" 22.7 #/ft Casing
 @ 561 ft. cemented
 with 300 Sacks
 of Neat Cement

Cement Circulated

5 1/2" 14 #/ft Casing
 @ 2875 ft cemented
 with 125 Sacks
 of Neat Cement

Cement Top @ 2149 ft

2 3/8" cement Lined Tubing
 @ 2786

Tension Packer

Premier Perforation

~~or Open Hole~~
 from 2815 ft
 to 2850 ft

Plug back T.D. 2864 ft

Total Depth 2875 ft

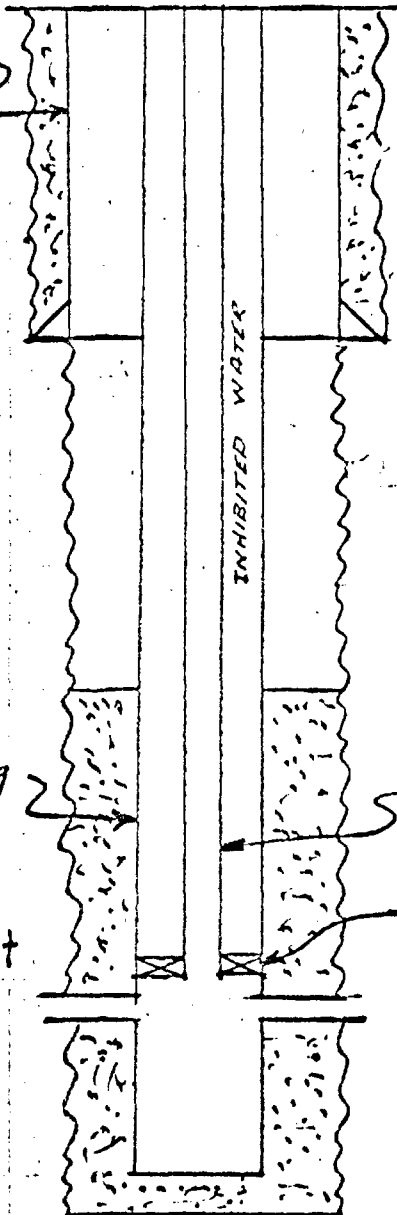


EXHIBIT 4-Q

INJECTION WELL COMPLETION DATA

PAN-AMERICAN BOSWORTH FED 4

OPERATOR

LEASE

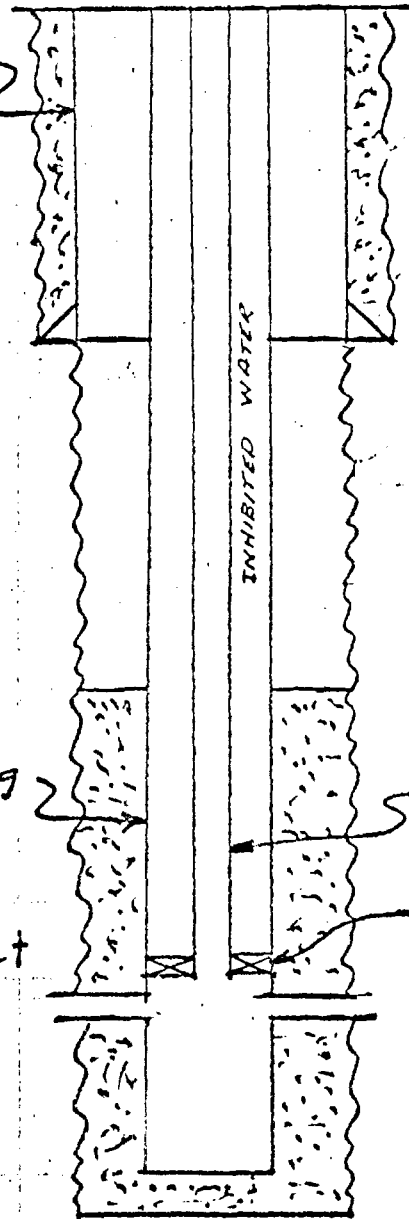
WELL NO.

LOCATION Q-SEC 4-T16S-R30E

WEST HENSHAW UNIT, EDDY CO, N.M.

8 5/8" 22.7 #/ft Casing
@ 547 ft. cemented
with 500 Sacks
of Neat Cement

cement Circulated



5 1/2" 14 #/ft Casing
@ 2902 ft cemented
with 125 Sacks
of Neat cement

Cement Top @ 2177 ft

2 3/8" cement Lined Tubing
@ 2809

Tension Packer

Premier Perforation:

~~or Open hole~~
from 2842 ft
to 2887 ft

Plug back T.D. 2892 ft

Total Depth 2902 ft

EXHIBIT 4-R

INJECTION WELL COMPLETION DATA

SHELL LITTLE LUCKY LAKE UNIT 1

OPERATOR LEASE WELL NO.

LOCATION X - Sec 3 - T16S - R30E

WEST HENSHAW UNIT EDDY CO, N.M.

8 5/8" 32 #/ft Casing
@ 425 ft. cemented
with 250 Sacks
of Neat Cement

Cement Circulated

5 1/2" 15.5 #/ft Casing
@ 2958 ft cemented
with 200 Sacks
of Neat Cement

Cement Top @ 1798 ft

2 3/8" cement Lined Tubing
@ 2811

Tension Packer

Premier Perforation:

~~or open hole~~
from 2841 ft
to 2857 ft

Plug back T.D. 2942 ft

Total Depth 2960 ft

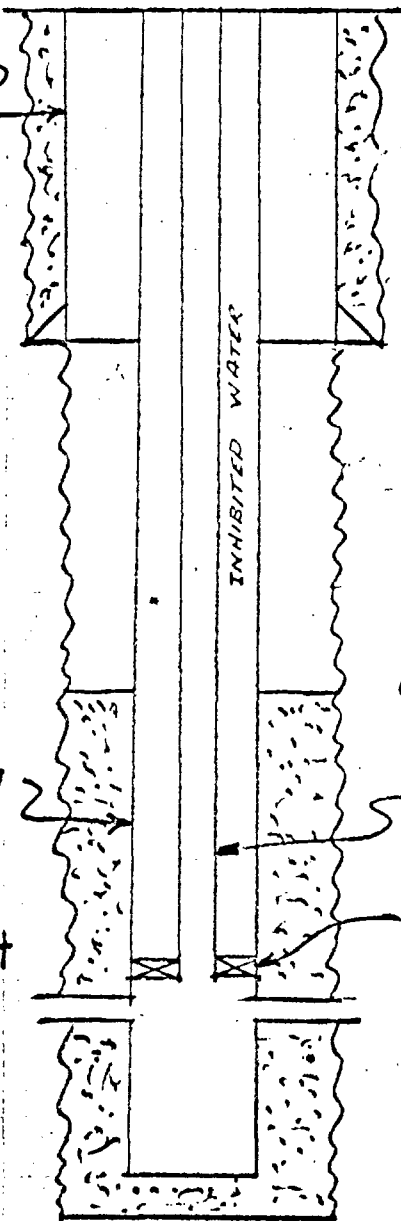


EXHIBIT 4-5

INJECTION WELL COMPLETION DATA

SHELL LITTLE LUCKY LAKE UNIT 2

OPERATOR LEASE WELL NO.

LOCATION K - SEC 2 - T14S - R 30E

WEST HENSHAW UNIT, EDDY CO, N.M.

8 5/8" 32 #/ft Casing
@ 433 ft. cemented
with 300 Sacks
of Neat Cement

cement Circulated

5 1/2" 15.5# 17 #/ft Casing
@ 2870 ft cemented
with 600 Sacks
of Neat Cement

Cement Top @ 690 ft

2 3/8" cement Lined Tubing
@ 2790

Tension Packer

Premier Perforation:

~~or open hole~~
from 2819 ft
to 2827 ft

Plug back T.D. 2846 ft

Total Depth 2870 ft

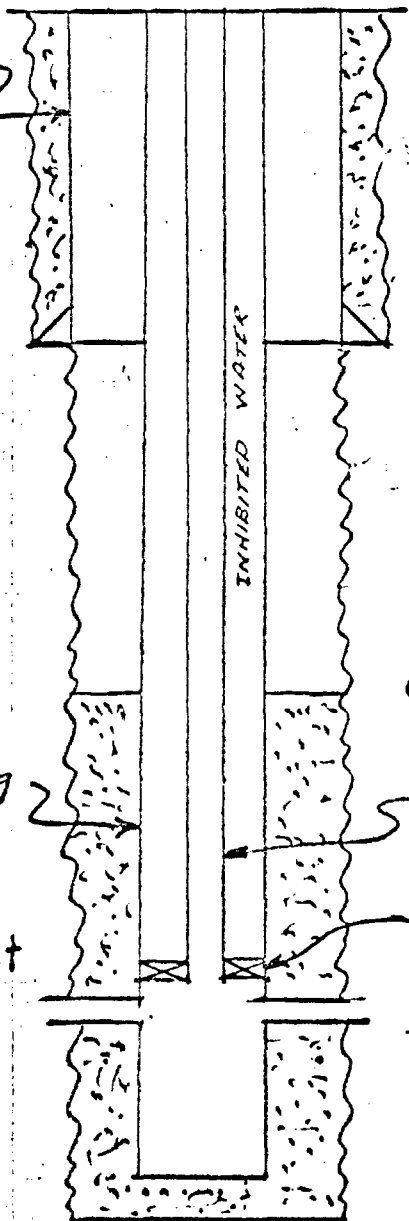
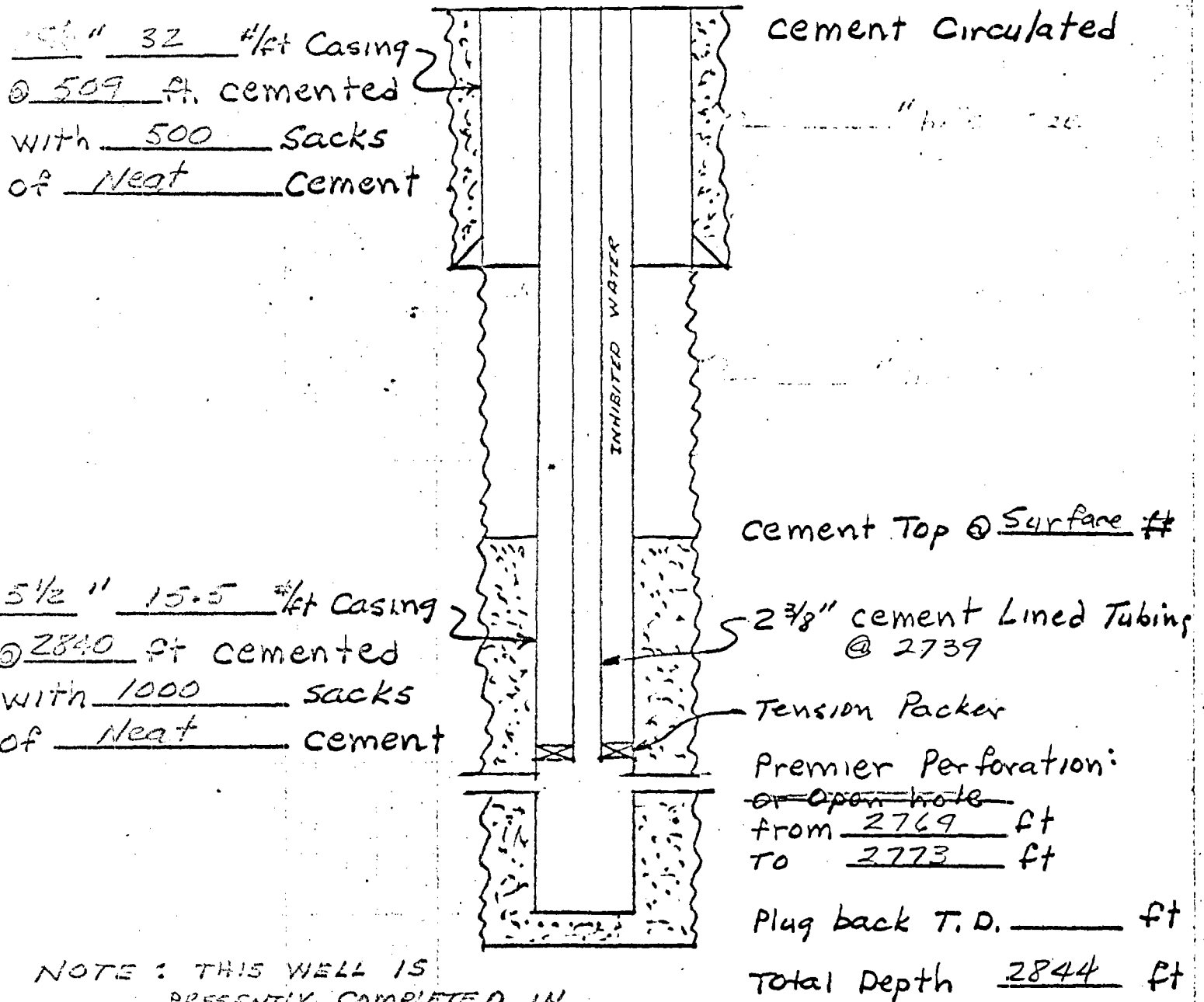


EXHIBIT 4 - T
INJECTION WELL COMPLETION DATA

SHELL SPENCER FED A 1
OPERATOR LEASE WELL NO.

LOCATION M - SEC 4 - T16S - R30E
WEST HENSHAW UNIT, EDDY CO, N.M.



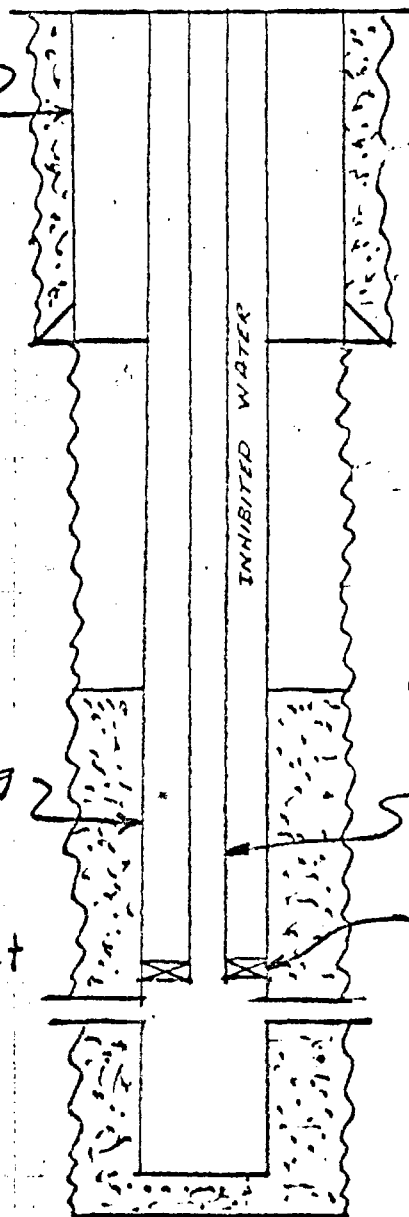
NOTE: THIS WELL IS
PRESENTLY COMPLETED IN
THE QUEEN SAND AS A
WATER SOURCE WELL. IT
WILL BE RECOMPLETED IN
THE PREMIER.

EXHIBIT 4-U
INJECTION WELL COMPLETION DATA

SHELL SPENCER FEA 4
OPERATOR LEASE WELL NO.

LOCATION N - SEC 4 - T16S - R30E
WEST HENSHAW UNIT, EDDY CO., N.M.

8 5/8" 32 #/ft Casing
@ 509 ft. cemented
with 250 Sacks
of Neat Cement



ciment Circulated

ciment Top @ 680 ft

5 1/2" 15.5 #/ft Casing
@ 2860 ft cemented
with 600 Sacks
of Neat cement

2 3/8" cement Lined Tubing
@ 2760

Tension Packer

Premier Perforation:
~~or Open hole~~
from 2790 ft
to 2812 ft

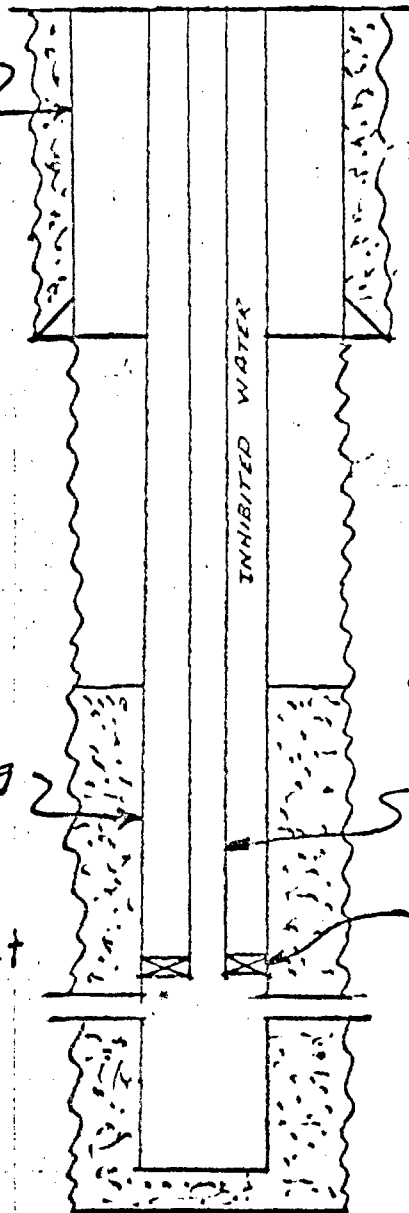
Plug back T.D. 2837 ft

Total Depth 2860 ft

EXHIBIT 4-V
INJECTION WELL COMPLETION DATA

SHELL TAYLOR FED 1
OPERATOR LEASE WELL NO.
LOCATION J - SEC 4 - T16S - R 30E
WEST HENSHAW UNIT, EDDY CO, N.M.

8 5/8" 32 #/ft Casing
@ 512 ft. cemented
with 250 Sacks
of Neat Cement



cement Circulated

"hole" - 20

Cement Top @ 693 ft

5 1/2" 15.5 #/ft Casing
@ 2873 ft cemented
with 600 Sacks
of Neat Cement

2 7/8" cement Lined Tubing
@ 2762

Tension Packer

Premier Perforation
~~or open hole~~
from 2792 ft
to 2802 ft

Plug back T.D. 2845 ft

Total Depth 2873 ft

EXHIBIT 4-W
INJECTION WELL COMPLETION DATA

<u>SHELL</u>	<u>TAYLOR-FED</u>	<u>2</u>
OPERATOR	LEASE	WELL NO.
LOCATION <u>N - SEC 4 - T16S - R30E</u>		
<u>WEST HENSHAW UNIT, EDDY CO, N.M.</u>		

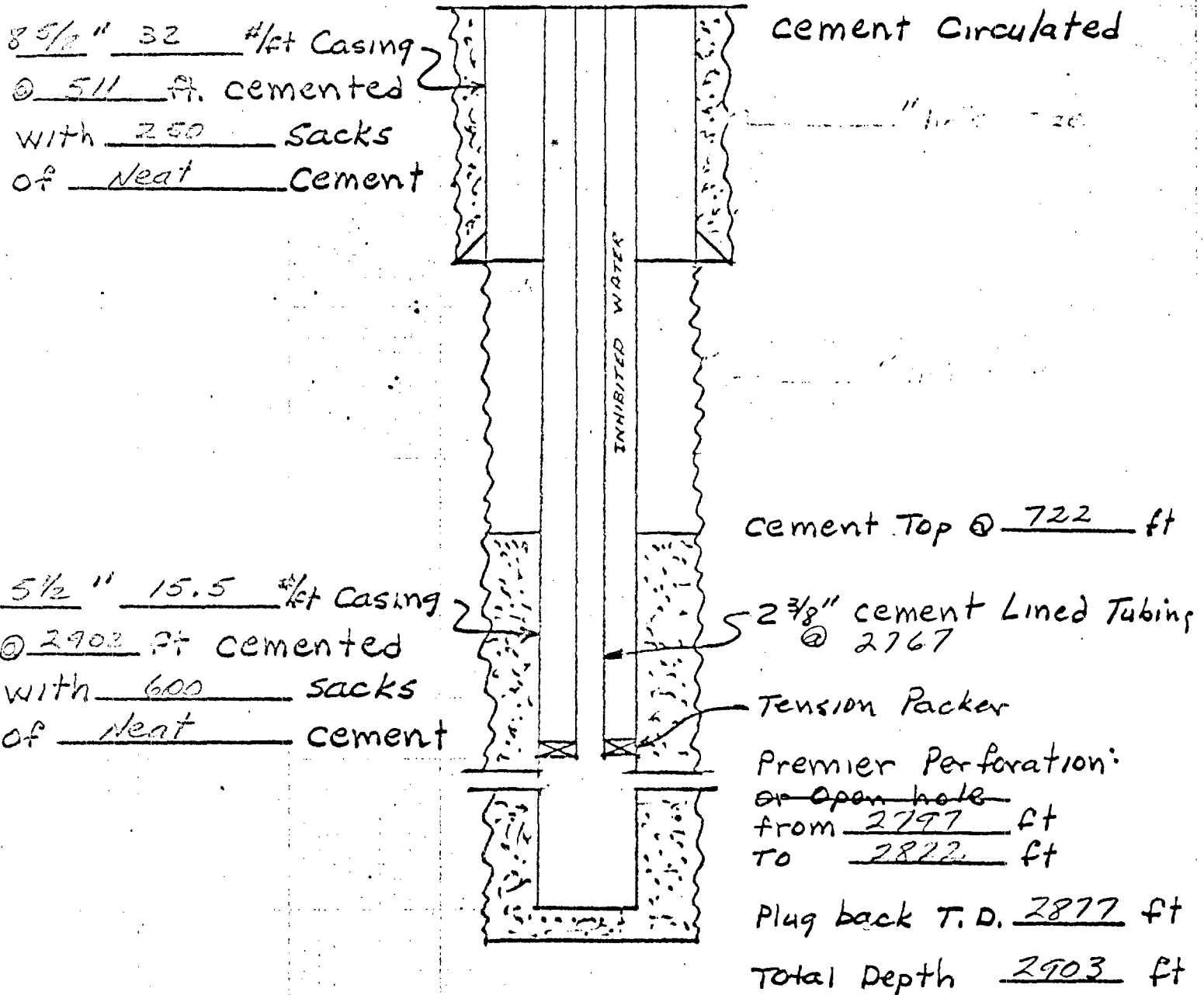


EXHIBIT 4-X

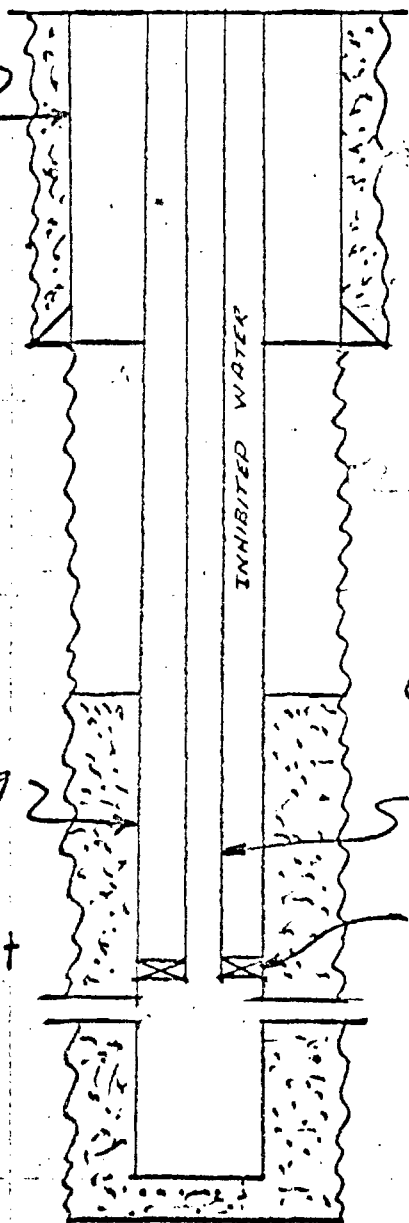
INJECTION WELL COMPLETION DATA

SINCLAIR BASS FED P 1
 OPERATOR LEASE WELL NO.

LOCATION E - SEC 3 - T16S - R30E

WEST HENSHAW UNIT, EDDY CO., N.M.

8 5/8" 24 3/32 #/ft Casing
 @ 392 ft. cemented
 with 275 Sacks
 of 6 % gel Cement



cement Circulated

" hole size

Cement Top @ 2169 ft

5 1/2" 14 #/ft Casing
 @ 2339 ft cemented
 with 110 Sacks
 of Next Cement

2 3/8" cement Lined Tubing
 @ 2759

Tension Packer

Premier Perforation
 or Open hole
 from 2789 ft
 to 2793 ft

Plug back T.D. 2813 ft

Total Depth 2840 ft

EXHIBIT 4 - Y

INJECTION WELL COMPLETION DATA

TEXACO

STATE CJ

1

OPERATOR

LEASE

WELL NO.

LOCATION M - Sec 2 - T14S - R30E

WEST HENSHAW UNIT, EDDY CO., N.M.

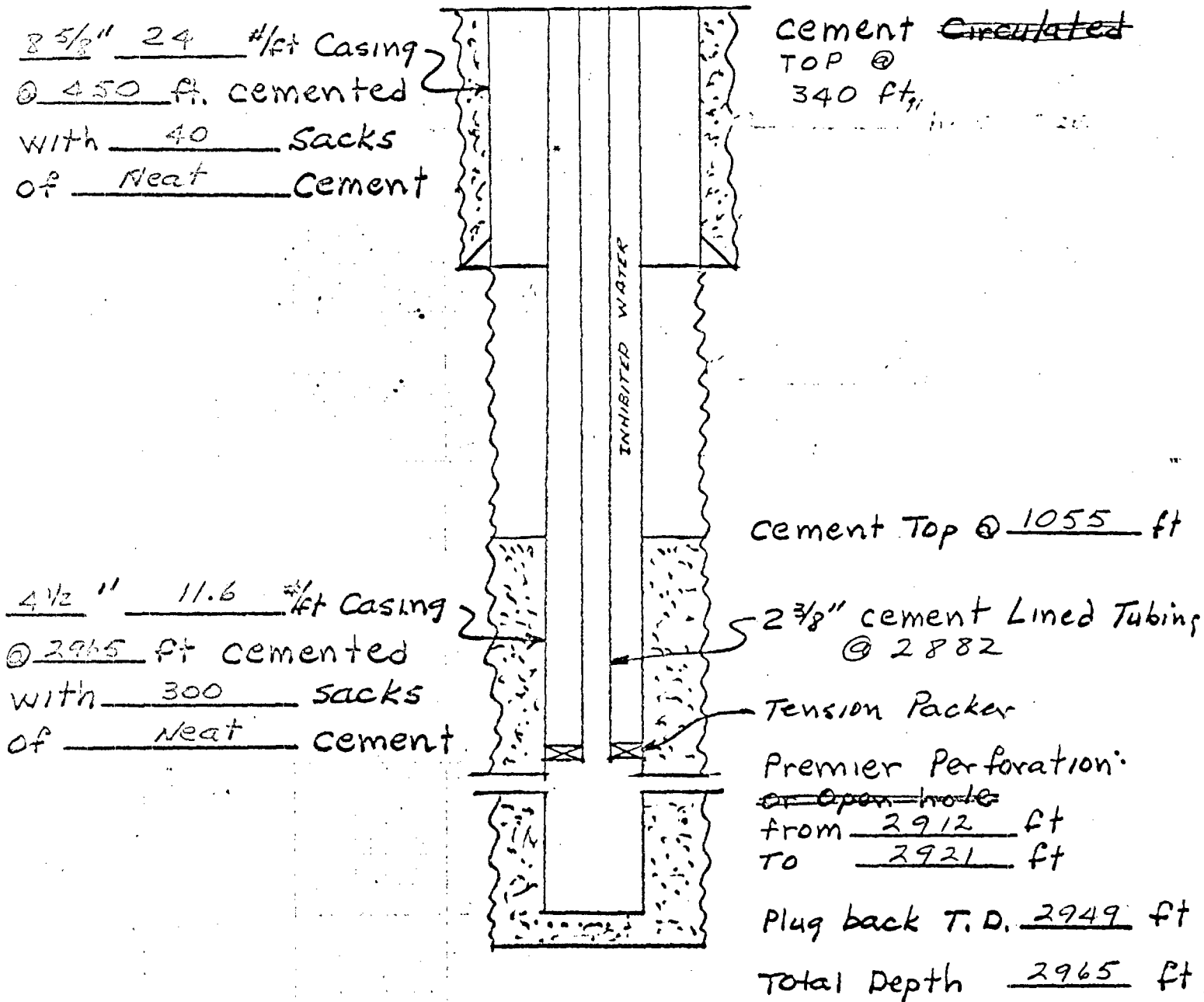


EXHIBIT 4-Z

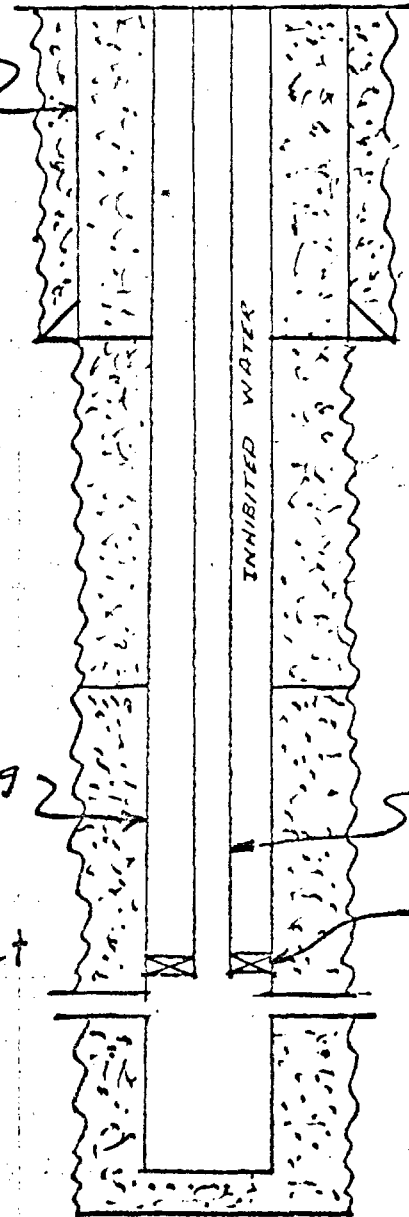
INJECTION WELL COMPLETION DATA

TEXACO STATE CJ 4
 OPERATOR LEASE WELL NO.

LOCATION E- sec 2 - T16S - R30E

WEST HENSHAW UNIT, EDDY CO, N.M.

11 3/4" 23.72 #/ft Casing
 @ 515 ft cemented
 with 500 Sacks
 of Neat Cement



cement Circulated

8 5/8" 24 #/ft Casing
 @ 2871 ft cemented
 with 900 Sacks
 of Neat cement

cement Top @ Surface ft

2 7/8" cement Lined Tubing
 @ 2820

Tension Packer

Premier Perforation

~~or Open hole~~
 from 2850 ft
 to 2855 ft

Plug back T.D. 2870 ft

Total Depth 10,100 ft