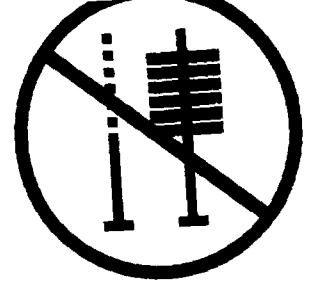


Exhibit
No. 19



WELL NAME	LOCATION	CONSTRUCTION	COMPLETION RECORD
Texaco CU#155	S25, T17S, R34E	16" csg set to 350' w/650 sks 11 3/4" csg set to 1530' w/1200 sks 8 5/8" csg set to 2675' w/1100 sks 5 1/2" csg set to 4800' w/2300 sks	San Andres
Phillips EVGSAU#1	S19, T17S, R35E	12 1/2" csg set to 230' w/200 sks 8 5/8" csg set to 1556' w/500 sks 5 1/2" csg set to 4298' w/275 sks	San Andres
Texaco CU#5	S30, T17S, R35E	8 5/8" csg set to 415' w/ sks 4 1/2" csg set to 4800' w/ sks	San Andres 4538-4622'
Texaco CU#154	S30, T17S, R35E	13 3/8" csg set to 350' w/500 sks 8 5/8" csg set to 1693' w/1450 sks 4 1/2" csg set to 4800' w/2800 sks	San Andres 4549-4622'
Texaco St N #7	S30, T17S, R35E	11 3/4" csg set to 1637' w/1000 sks 8 5/8" csg set to 3393' w/500 sks 2 7/8" csg set to 6850' w/1400 sks	Glorieta 6064-6076'
Texaco St N #8	S30, T17S, R35E	13 3/8" csg set to 374' w/450 sks 9 5/8" csg set to 4800' w/500 sks 2 7/8" csg set to 10,300' w/1800 sks	Aho 8494-8549'

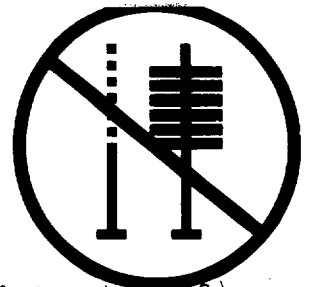
ILLEGIBLE



ATTACHMENT TO C-108, SHEET II

WELL NAME	LOCATION	CONSTRUCTION	COMPLETION RECORD
Texaco S-2=3	S25, T17S, R34E	7 ⁵ / ₈ " csg set to 1592' w/ 300 sks	
Marathon ME Callister S #2	S25, T17S, R34E	10 ³ / ₄ " csg set to 492' w/ 250 sks 7" csg set to 4100' w/ 700 sks	OH 4100 - 4700 DHC Blincoy + Glorieta
Marathon ME Callister S- = 9	S25, T17S, R34E		
Texaco CU = 223	S25, T17S, R34E	20" csg set to 350' w/ 800 sks 13 ³ / ₈ " csg set to 1550' w/ 1000 sks 7" csg set to 4330' w/ 2050 sks	OH San Annes 4330 - 4730'
Texaco CU #27	S25, T17S, R34E	8 ⁵ / ₈ " csg set to 350' w/ 200 sks 4 ¹ / ₂ " csg set to 4800' w/ 2800 sks	
Texaco S+Q #8	S25, T17S, R34E	8 ⁵ / ₈ " csg set to 1598' w/ 600 sks 2 ⁷ / ₈ " csg set to 6638' w/ 900 sks	Glorieta
Texaco CU #156	S25, T17S, R34E	16" csg set to 350' w/ 650 sks 11 ³ / ₄ " csg set to 1570' w/ 1200 sks 5 ¹ / ₂ " csg set to 4800' w/ 2800 sks	San Annes 4432 - 4735'

ILLEGIBLE



WELL NAME	LOCATION	CONSTRUCTION	COMPLETION RECORD
Marathon McCallister St # 6	S25, T17S, R34E	9 ⁵ / ₈ " csg set to 350' w/200 sks 5 ¹ / ₂ " csg set to 6800' w/1200 sks	DHC Blinn 5960-6200 and Blinn 6587-6719
Crill St C #1	S24, T17S, R34E	8 ⁵ / ₈ " csg set to 1643' w/650 sks 5 ¹ / ₂ " csg set to 4210' w/275 sks	
Phillips EVGSAU #1	S24, T17S, R34E		San Andres
Arco St E #1	S24, T17S, R34E	8 ⁵ / ₈ " csg set to w/	

ILLEGIBLE

BEFORE EXAMINER

OIL CONSERVATION DIVISION

Mobile EXHIBIT NO. 19

CASE NO. 9999 + 10000

MONTGOMERY & ANDREWS
PROFESSIONAL ASSOCIATION
ATTORNEYS AND COUNSELORS AT LAW

OF COUNSEL
William R. Federici

J. O. Seth (1883-1963)
A. K. Montgomery (1903-1987)
Frank Andrews (1914-1981)

Victor R. Ortega
Jeffrey R. Brannen
John B. Pound
Gary R. Kipatric
Thomas W. Olson
William C. Madison
Walter J. Melendres
Bruce Herr
Robert P. Worcester
John B. Draper
Nancy Anderson King
Janet McL. McKay
Joseph E. Earnest
W. Perry Pearce
Sarah M. Singleton
Stephen S. Hamilton
Michael H. Harbour
Katherine W. Hall
Robert J. Mroz
Richard L. Puglisi

Galen M. Butler
Edmund H. Kendrick
Jay R. Hone
Deborah J. Van Vleck
Gary P. Kaplan
Kenneth B. Baca
Robert A. Bassett
Susan Andrews
Paula G. Maynes
Neils L. Thompson
Nancy A. Taylor
Rod D. Baker
R. Michael Shickich
Janet W. Cordova
M. Eliza Stewart
Scott K. Atkinson
Martin R. Esquivel
Catherine E. Pope
Phyllis Savage Lynn

July 11, 1990

HAND-DELIVERED

SANTA FE OFFICE
325 Paseo de Peralta
Post Office Box 2307
Santa Fe, New Mexico 87504-2307

Telephone (505) 982-3873
Telecopy (505) 982-4289

ALBUQUERQUE OFFICE
707 Broadway, N.E.
Suite 500
Post Office Box 26927
Albuquerque, New Mexico 87125-6927

Telephone (505) 242-9677
Telecopy (505) 243-4397

REPLY TO SANTA FE OFFICE

Mr. Michael Stogner
Oil Conservation Division
State Land Office Building
Santa Fe, New Mexico 87501

Re: Division Cases 9999 and 10000

Dear Michael:

Attached are well schematics which supplement Exhibit No. 19
to the hearing in these cases.

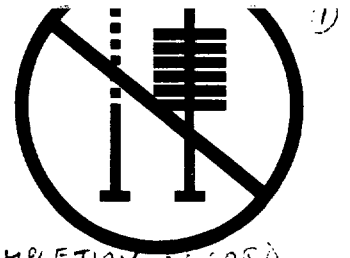
If I can be of additional help, please let me know.

Sincerely,

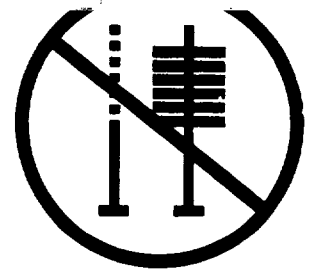

W. Perry Pearce

WPP:gr:132
Enclosures
File #10384-90-01

Exhibit 19



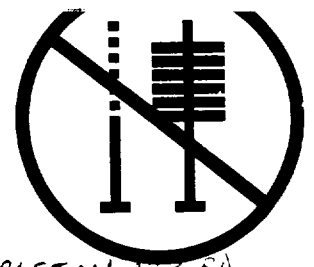
WELL NAME	LOCATION	CONSTRUCTION	COMPLETION RECORD
- Texaco CVU#155	S25, T17S, R34E	16" csg set to 350' w/650 sks 11 ³ / ₄ " csg set to 1530' w/1200 sks 8 ⁵ / ₈ " csg set to 2675' w/1100 sks 5 ¹ / ₂ " csg set to 4800' w/2300 sks	San Andres 4400-4721'
- Phillips EVGSAU# 1M S19, T17S, R35E		12 ¹ / ₂ " csg set to 230' w/200 sks 8 ⁵ / ₈ " csg set to 1556' w/500 sks 5 ¹ / ₂ " csg set to 4298' w/275 sks	San Andres OH - 398 - 4705'
- Texaco CVU#5	S25, T17S, R35E	8 ⁵ / ₈ " csg set to 415' w/200 sks 4 ¹ / ₂ " csg set to 4800' w/2800 sks	San Andres 4538-4622'
- Texaco CVU#154	S30, T17S, R35E	13 ³ / ₈ " csg set to 350' w/500 sks 8 ⁵ / ₈ " csg set to 1693' w/1450 sks 4 ¹ / ₂ " csg set to 4800' w/2800 sks	San Andres 4549-4622'
- Texaco St N#7	S30, T17S, R35E	11 ³ / ₄ " csg set to 1637' w/1000 sks 8 ⁵ / ₈ " csg set to 3393' w/500 sks 2 ⁷ / ₈ " csg set to 6850' w/1400 sks	Glorieta 6064-6076'
- Texaco St N#8	S30, T17, R35E	13 ³ / ₈ " csg set to 374' w/450 sks 9 ⁵ / ₈ " csg set to 4800' w/500 sks 2 ⁷ / ₈ " csg set to 10,300' w/1800 sks	Aho 8494-8509'



ATTACHMENT TO C-108, LINE VI

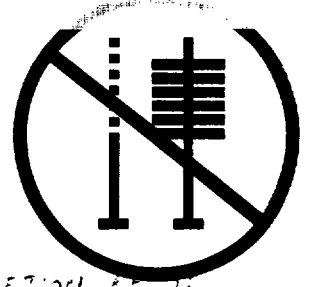
WELL NAME	LOCATION	CONSTRUCTION	COMPLETION RECORD
Texaco St Q #3 (CVU #22)	S25, T17S, R34E	7 ⁵ / ₈ " csg set to 1591' w/ 300 sks 5 ¹ / ₂ " csg set to 4096' w/ 200 sks	San Andres OH 4096 - 4720'
Marathon McCallister St #2	S25, T17S, R34E	10 ³ / ₄ " csg set to 492' w/ 250 sks 7" csg set to 4100' w/ 700 sks	OH 4100 - 4700'
Marathon McCallister St #9	S25, T17S, R34E	9 ⁵ / ₈ " csg set to 1555' w/ 650 sks 5 ¹ / ₂ " csg set to 6794' w/ 2420 sks	B4C Blinnery + Glorieta Glorieta 6003 - 6010' Blinnery 6404 - 6726'
Texaco CVU #223	S25, T17S, R34E	20" csg set to 350' w/ 800 sks 13 ³ / ₈ " csg set to 1550' w/ 1000 sks 7" csg set to 4330' w/ 2050 sks	OH San Andres 4330 - 4730'
Texaco CVU #27	S25, T17S, R34E	8 ⁵ / ₈ " csg set to 350' w/ 200 sks 4 ¹ / ₂ " csg set to 4800' w/ 2800 sks	San Andres 4380 - 4719'
Texaco St Q #E	S25, T17S, R34E	8 ⁵ / ₈ " csg set to 1598' w/ 600 sks 2 ⁷ / ₈ " csg set to 6632' w/ 900 sks	Glorieta 6012 - 6055'
Texaco CVU #156	S25, T17S, R34E	16" csg set to 350' w/ 650 sks 11 ³ / ₄ " csg set to 1570' w/ 1200 sks 5 ¹ / ₂ " csg set to 4800' w/ 2800 sks	San Andres 4432 - 4735'

ILLEGIBLE



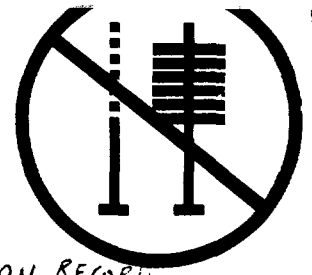
WELL NAME	LOCATION	CONSTRUCTION	COMPLETION RECORD
- Marathon McCallister St # 6	S25, T17S, R34E	9 ⁵ / ₈ " csg set to 350' w/200 sks 5 ¹ / ₂ " csg set to 6800' w/1200 sks	DHC Gloria 5960-6017' and Blincoy 6587-6719'
Shell St C # 1 <i>same</i>	S24, T17S, R34E	8 ⁵ / ₈ " csg set to 1643' w/650 sks 5 ¹ / ₂ " csg set to 4210' w/275 sks	San Andres OH 4210-4665'
- Phillips EVGSAU # 1P	S24, T17S, R34E	8 ⁵ / ₈ " csg set to 1643' w/650 sks 5 ¹ / ₂ " csg set to 4210' w/275 sks	San Andres OH 4210-4665'
Arco St E # 2 (EVGSAU # 2)	S24, T17S, R34E	8 ⁵ / ₈ " csg set to 1629' w/650' 5 ¹ / ₂ " csg set to 4248' w/275 sks	San Andres OH 4284-4684'
- Texaco CUV # 25	S25, T17S, R34E	8 ⁵ / ₈ " csg set to 400' w/425 sks 4 ¹ / ₂ " csg set to 4800' w/2100 sks	San Andres 4379-4709'
- Texaco CUV # 26	S25, T17S, R34E	8 ⁵ / ₈ " csg set to 402' w/425 sks 4 ¹ / ₂ " csg set to 4790' w/1900 sks	San Andres 4384-4709'
Texaco Q State # 9	S25, T17S, R34E	11 ³ / ₄ " csg set to 1575' w/1000 sks 8 ⁵ / ₈ " csg set to 4850' w/1500 sks 5 ¹ / ₂ " csg set to 6150' w/1100 sks	Gloria 5960-6017'

ILLEGIBLE



WELL NAME	LOCATION	CONSTRUCTION	COMPLETION
Texaco T State NCT-1 #2	S25, T17S, R34E	8 ⁵ / ₈ " csg set to 1624' w/ 1000 sks 2 ⁷ / ₈ " csg set to 6799' w/ 800 sks	Gloria 6049-6072'
Texaco Mobil St Com #1	S25, T17S, R34E	13 ³ / ₈ " csg set to 335' w/ 400 sks 9 ⁵ / ₈ " csg set to 4786' w/ 1700 sks 2 ⁷ / ₈ " csg set to 10282' w/ 5400 sks (3 strings 2 ⁷ / ₈ ")	Wolfcamp 9626-9937' Abo 9093-9234' Upper Penn 10024-10085'
Texaco CVU #13	S25, T17S, R34E	8 ⁵ / ₈ " csg set to 430' w/ 400 sks 4 ¹ / ₂ " csg set to 4800' w/ 1800 sks	San Andres 4472-4684'
Phillips EVGSAU # 2J	S24, T17S, R34E	8 ⁵ / ₈ " csg set to 1643' w/ 6500 sks 5 ¹ / ₂ " csg set to 4262' w/ 2750 sks	San Andres 4535-4545; 4630-4640'
Phillips EVGSAU # 3	S24, T17S, R34E	8 ⁵ / ₈ " csg set to 381' w/ 400 sks 4 ¹ / ₂ " csg set to 4800' w/ 800 sks	San Andres 4544-4522'
Phillips EVGSAU # 2P	S24, T17S, R34E	8 ⁵ / ₈ " csg set to 357' w/ 400 sks 4 ¹ / ₂ " csg set to 4795' w/ 800 sks	San Andres 4527-4569'
Texaco CVU #11	S30, T17S, R35E	7 ⁵ / ₈ " csg set to 1614' w/ 450 sks 5 ¹ / ₂ " csg set to 4188' w/ 200 sks	San Andres OH 4188-4750'
Texaco CVU #4	S30, T17S, R35E	7 ⁵ / ₈ " csg set to 1612' w/ 350 sks 5 ¹ / ₂ " csg set to 4188' w/ 200 sks	San Andres OH 4188-4750'

ILLEGIBLE



WELL NAME	LOCATION	CONSTRUCTION	COMPLETION RECORD
Texaco CUV#3	S30, T17S, R35E	8 5/8" csg set to 1650' w/250 sks 5 1/2" csg set to 4272' w/225 sks	San Andres 4209-4640'

ILLEGIBLE

LOCATION: S-24
T-17S
R-34E

Bridges State # 196

KB: 4024'

GL: 4011'

SPUD DATE: 5/3/85

13 3/8"
CMT CIRC

35'

8 5/8"
240, K55
1400 SX
CLASS C
CIRC.

1705'

LYNES ECP FKR
4423'

SAN ANDRES PERFS
4521'-4534' 22 HOLES
4537'-4547'
4595'-4607' 13 HOLES

5 1/2"
140, K55
1700 SX
CLASS C
CIRC.

4800'

LOCATION: S-23
T-17S
R-34E

Bridges State #192

KB: 4030'

GL: 4023'

SPUD DATE: 5/12/85

13 3/8"
CMT CIRC

35'

8 5/8"
24#, K55
1400 SX
CLASS C
CIRC.

1720'

LYNES ECP PKR
4245'

SAN ANDRES PERFS
4514' - 4570'
47 HOLES

5 1/2"
14#, K55
1130 SX CLASS
C W/100 SCFN2
PER ERL

4800'



5000'

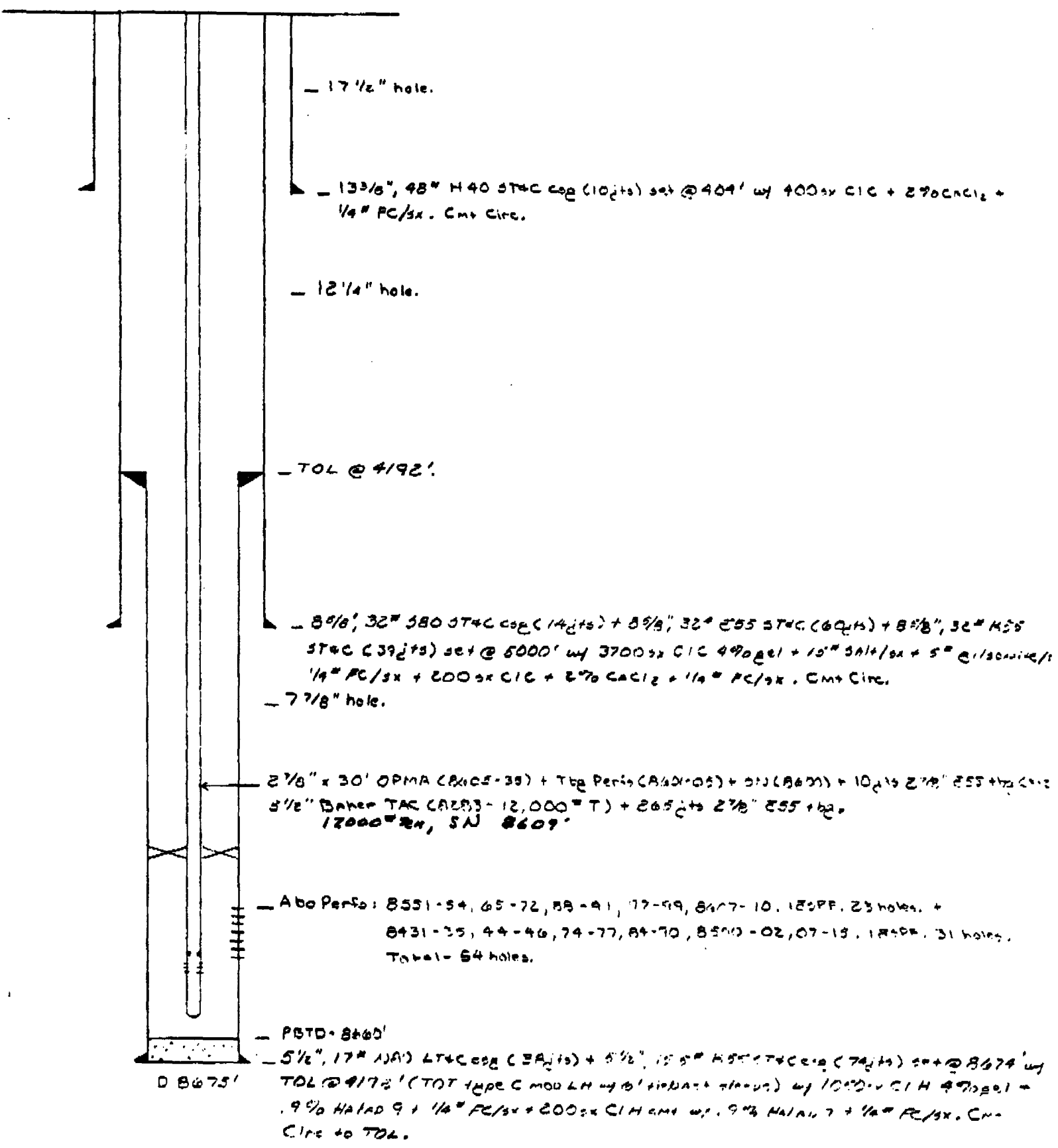


DATE 3-23-84 WELL NO. 235 LEASE No. Vacuum Abn Unit FIELD Vacuum Abn 1 North

LOCATION K-24-173-34E
2000' FWH & 1880' FSL
Lea County, New Mexico

SIGNED M. W. DEER

G.L. —
 D.F. —
 K.B. —
 ZERO 12' AGL

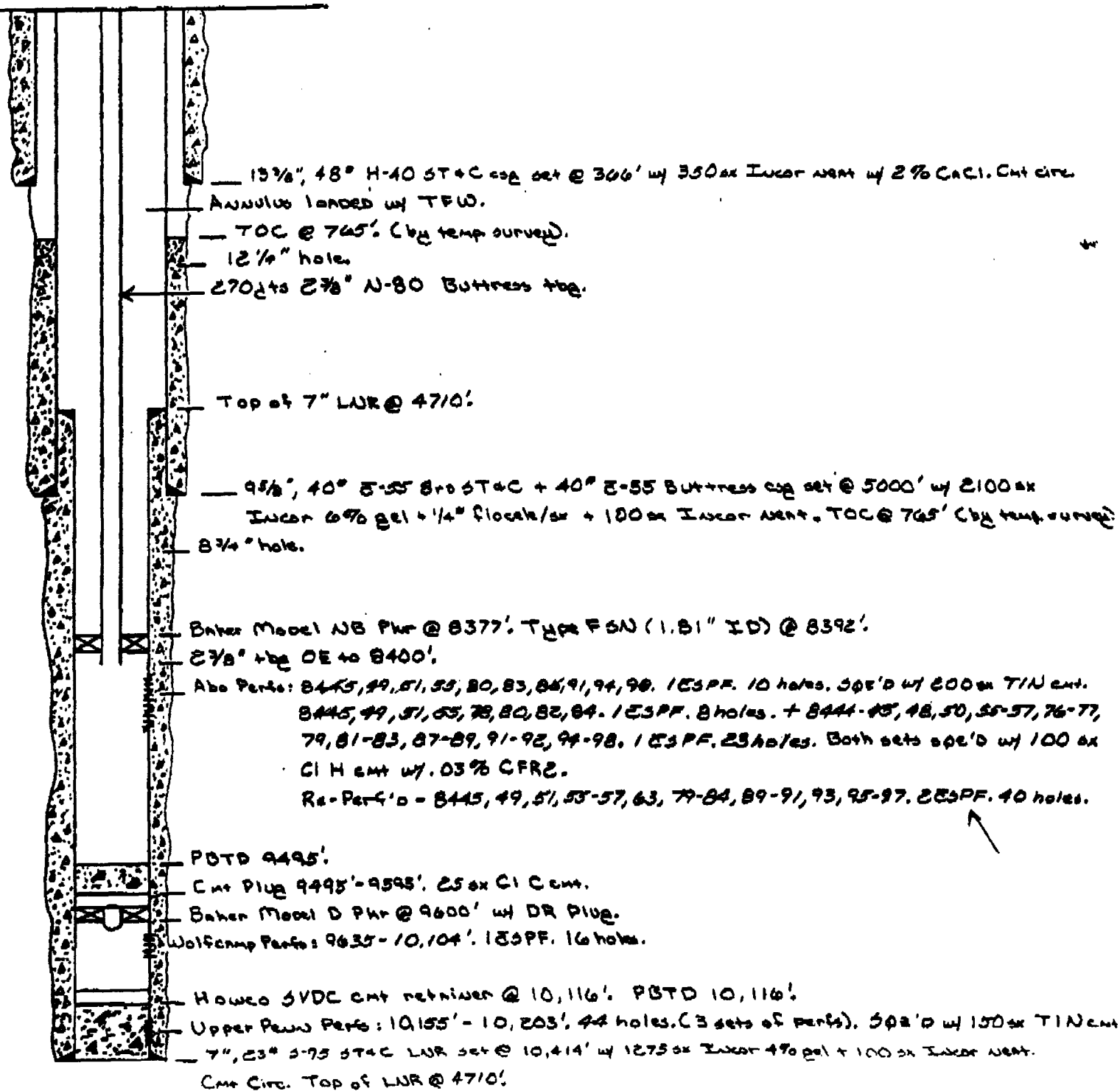


DATE 3-30-88 WELL NO. 117 LEASE No. Vacuum Abo Unit FIELD Vacuum Abo North

LOCATION P-23-173-34E
660' FSL and 460' FEL

SIGNED D. G. Elwood

G.L. 4023'
D.F. 4035'
K.B. 4036'
ZERO 12' AGL



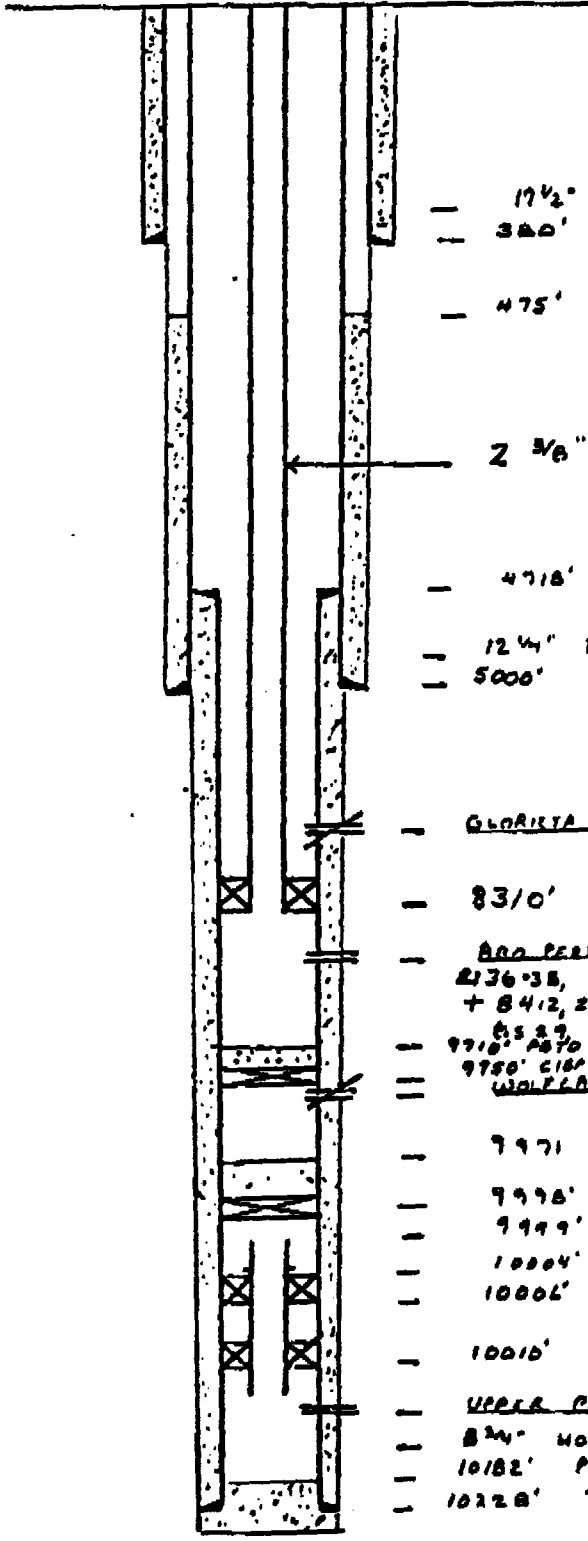
TD 10,414'

DATE 3-3-88 WELL NO. 112 LEASE NVAU FIELD VACUUM

LOCATION D 26 - T 17 S - R 34 E
LAN CO, N.M.

SIGNED D. G. E/wood

G.L. 4011
D.F. 4021
K.B. 4022
ZERO 11 AGL



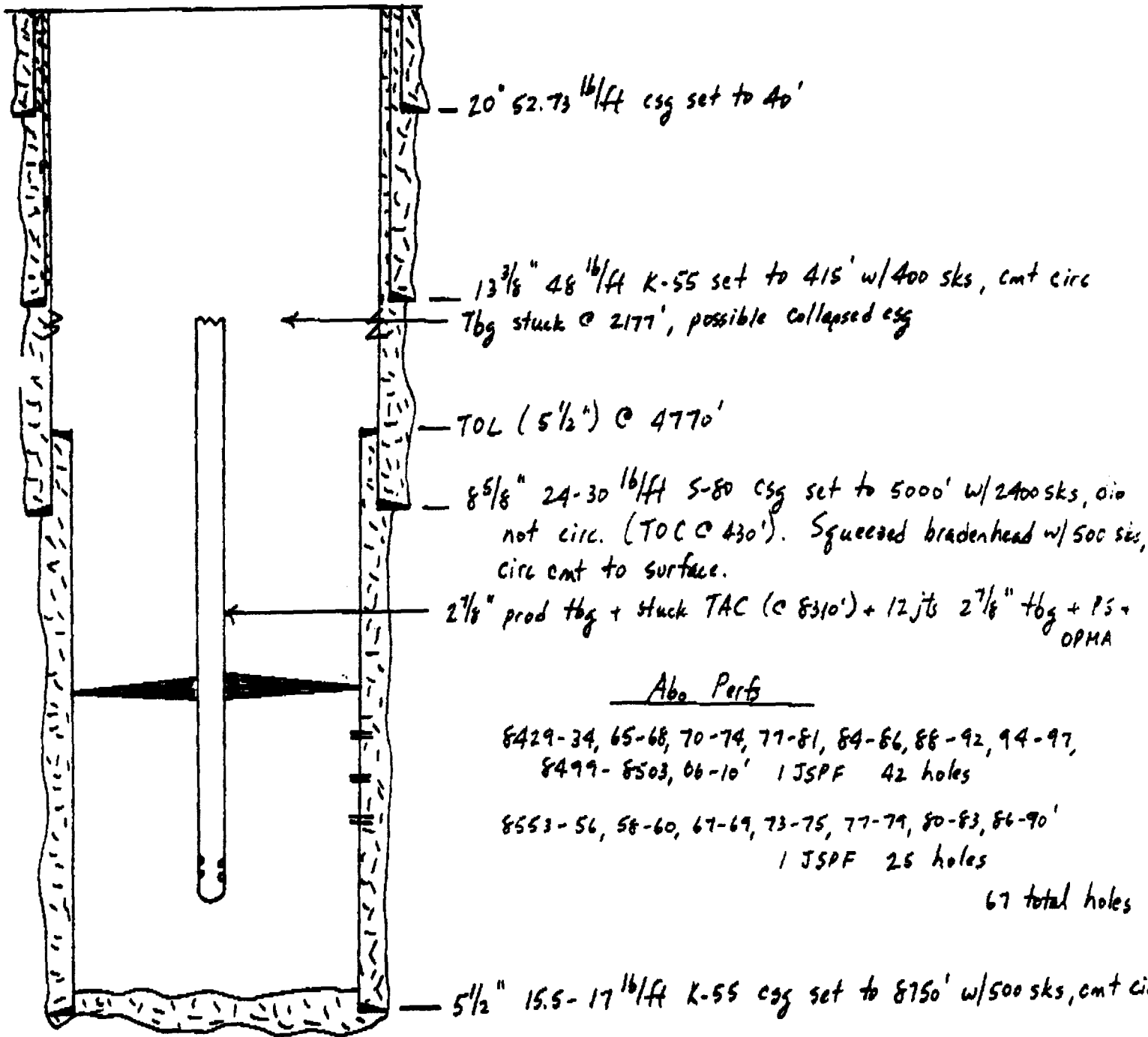
- 17 1/2" HOLE
- 300' 13 3/8" 48# CSG SET W/ 350 S. CMT LING
- 475' TOP OF CEMENT (T.S.)
- 2 3/8" T86
- 4718' TOP OF LINER
- 12 1/4" HOLE
- 5000' 9 5/8" 36# 40# CSG SET W/ 2600 S. CMT (3-55, N-50)
- GLORIA PERFS 6004'-38' O.A. (17 HOLES) SARD W/ 200 S.
6011'-36' O.A. (11 HOLES) SARD W/ 100 S.
- 8310' PERM PKR
- ARG PERFS W/ 17SPF 8392, 93, 96, 97, 8400, 01, 10, 11, 15-17, 21, 22, 23, 24-33, 2136-38, 40, 42, 44, 46-48, 50, 52 + 8412, 25, 28, 34, 41, 45, 49, 41, 50, 56, 54, 57, 8514, 15, 16, 23, 24, 25, 8529, 30, 31, 33 W/ 17SPF (23 HMTS)
- 9718' PSTD
- 9750' CIP CARTR W/ 40' CMT
- WOLFRUM PERFS 9823-9991 O.A. (21 HOLES) SARD W/ 200 S.
- 9971' PSTD
- 9998' CIP
- 9999' TOP OF FISH 27'6" TEL
- 10004' SN
- 10006' GUB TYPE A PKR
- 10010' GUB TYPE A PKR
- UPPER PENN PERFS 10043-10121 O.A.
- 8 3/4" HOLE
- 10182' PSTD
- 10228' 7" 23# 5-75 LINER SET W/ 1000 S. CMT LING

DATE 1-23-89 WELL NO. 232 LEASE North Vacuum Abo Unit
 FIELD Vacuum Abo North LOCATION A 25-17-34
Lea County, New Mexico

SIGNED D. G. Elwood

GL 4010'
 DF 4025'
 KB 4026'
 ZERO KB (16' AGL)

PRESENT WELLBORE DIAGRAM



TD: 8750'
 PBD: 8705'

DATE 3-23-84

WELL NO. 234

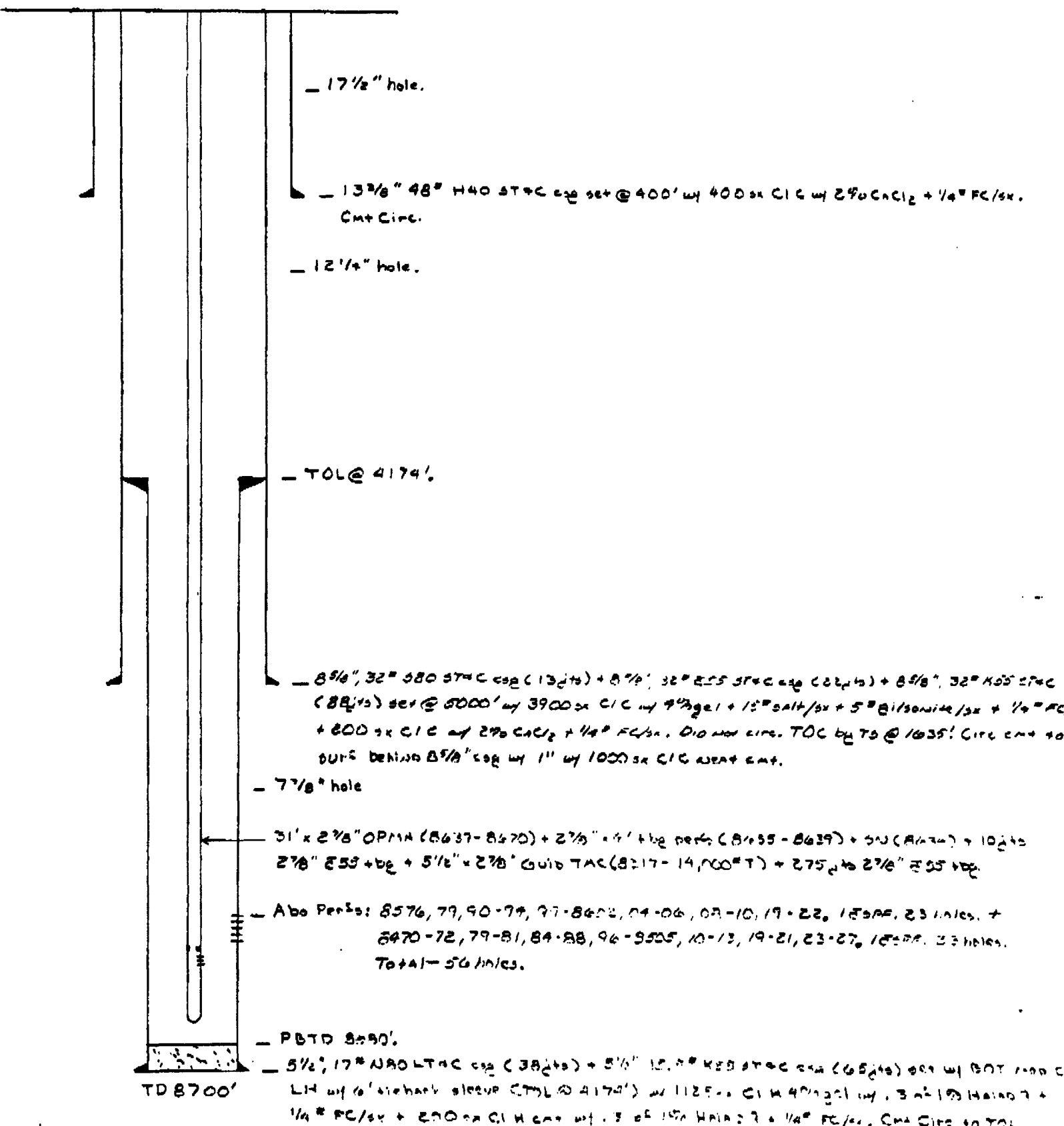
LEASE No. VAC. 1111, Ato. 1111

FIELD VAC. 1111, Ato. 1111

LOCATION I-23-172-34E
545' FEL + 1980' FAL
Lea County, New Mexico

SIGNED M.W. DRES

G.L. 4024'
D.F. 4035'
K.B. 4036'
ZERO 17' AGH

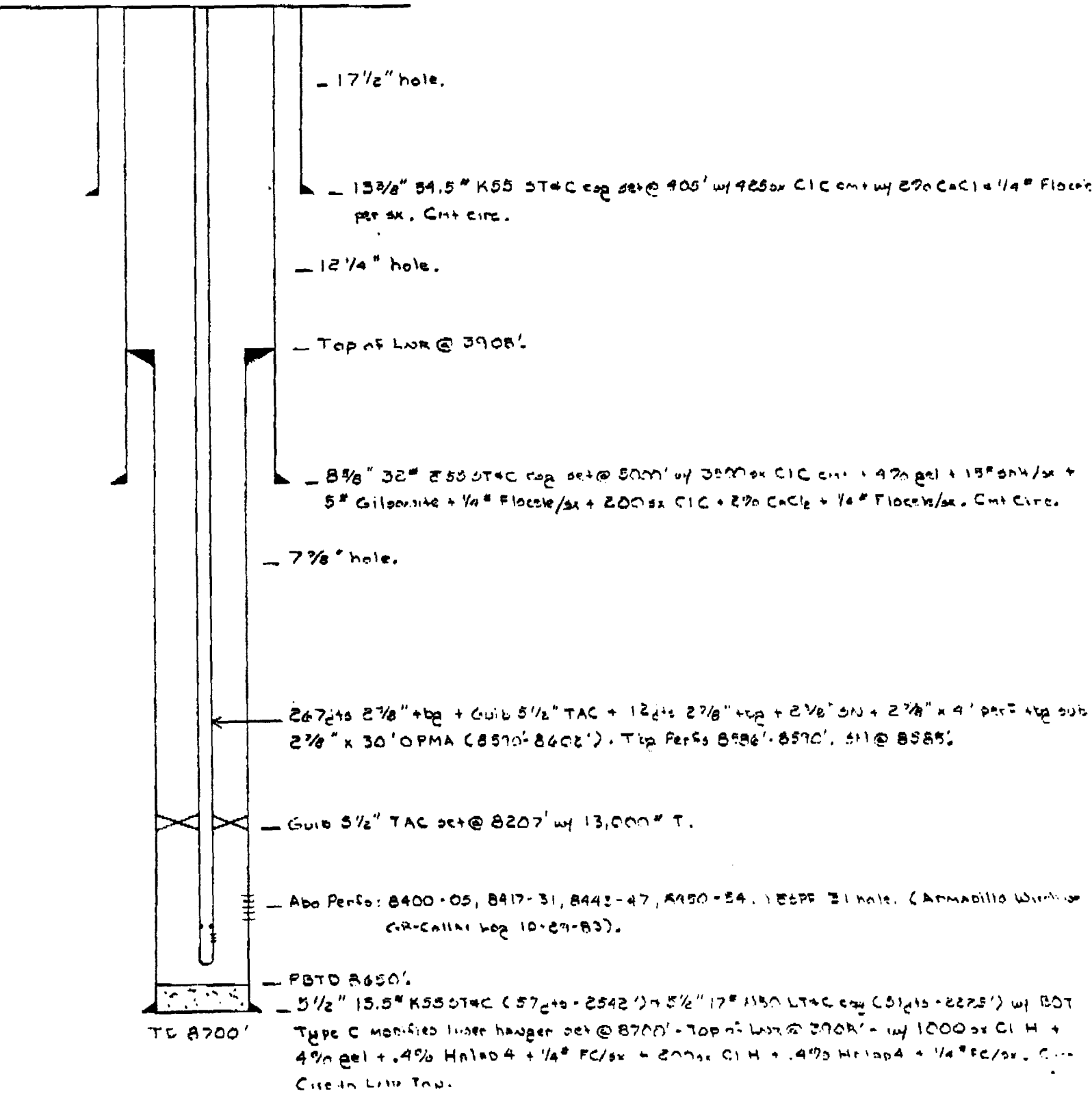


DATE 3-23-84 WELL NO. 236 LEASE No. Various Apts Unit FIELD Various Apts Unit

LOCATION C-25-T179-B34E
460' FWL + 1980' FWL
Lea Co., New Mexico

SIGNED M. J. DEER

G.L. 4000'
D.F. 4012'
K.B. 4013'
ZERO 12' AGL



DATE 3-23-84

WELL NO. 238-A

LEASE No. Vacuum Abo Uria

FIELD Vacuum Abo Uria

LOCATION M-24-T175-R34E

SIGNED M.W. DEER

G.L. 4000'

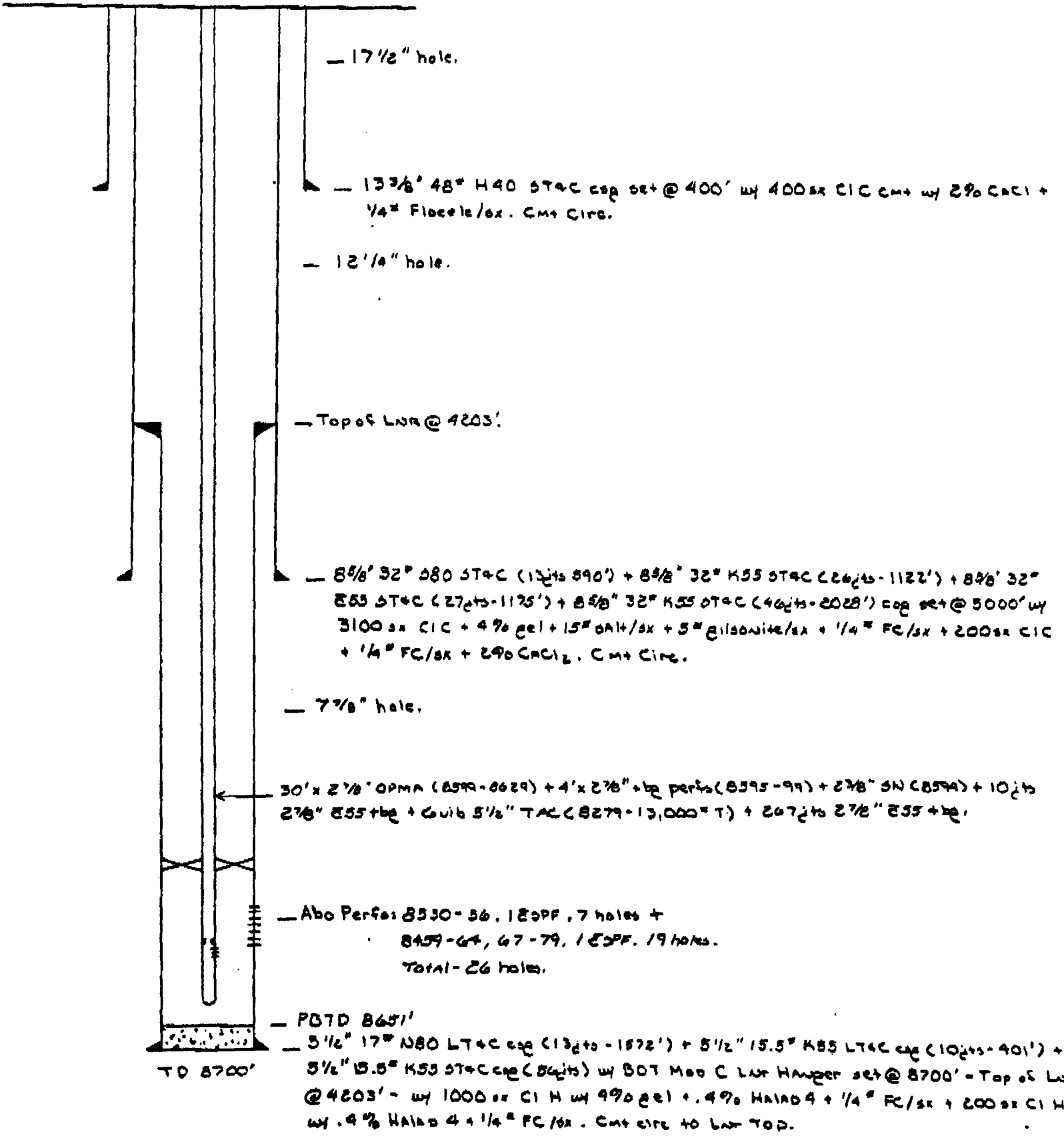
780' FWL + 643' FOL

D.F. 4009'

Lea Co., New Mexico

K.B. 4010'

ZERO 10' AGL



- 17 1/2" hole.

- 13 3/8" 48" H40 ST&C casg set @ 400' w/ 400sx CIC cm+ w/ 2% CaCl₂ + 1/4" Floccule/oz. cm+ circ.

- 12 1/4" hole.

- Top of Lwr @ 4203'

- 8 5/8" 32" 580 ST&C (13 1/2 to 890') + 8 5/8" 32" K55 ST&C (26 1/2 to 1122') + 8 5/8" 32" 255 ST&C (27 1/2 to 1125') + 8 5/8" 32" K55 ST&C (46 1/2 to 2028') casg set @ 5000' w/ 3100 sx CIC + 4% gel + 15# OAH/sx + 5# gilsonite/sx + 1/4" FC/sx + 200 sx CIC + 1/4" FC/sx + 2% CaCl₂. cm+ circ.

- 7 7/8" hole.

30' x 2 7/8" OPMA (8599-8629) + 4' x 2 7/8" lb perfos (8595-99) + 2 7/8" SN (8599) + 10 1/2' 2 7/8" 255 lb + 6 quib 5 1/2" TACC (8279-13,000 T) + 207 1/2' 2 7/8" 255 lb.

- Abo Perfos 8530-56, 125PF, 7 holes + 8459-64, 67-79, 125PF, 19 holes. Total - 26 holes.

- PBD 8651'

- 5 1/2" 17" N80 LT&C casg (13 1/2 to 1572') + 5 1/2" 15.5" K55 LT&C casg (10 1/2 to 401') + 5 1/2" 15.5" K55 ST&C casg (8 1/2 to 10 1/2') w/ BOT Man C Lat Hanger set @ 8700' - Top of Lwr. @ 4203' - w/ 1000 sx CI H w/ 4% gel + .4% HALAD 4 + 1/4" FC/sx + 200 sx CI H w/ .4% HALAD 4 + 1/4" FC/sx. cm+ circ to Lwr TOP.

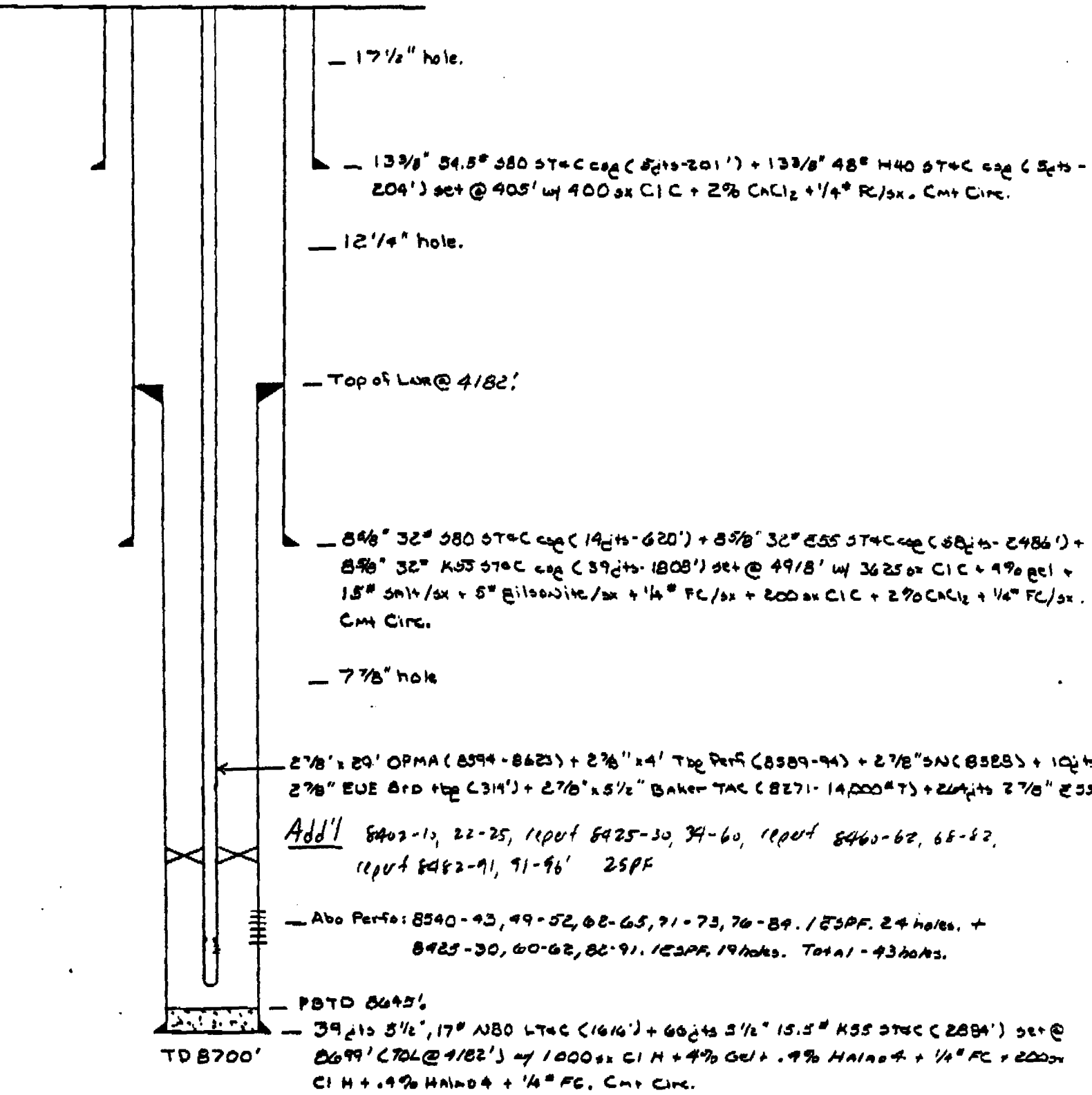
TO 8700'

DATE 3-23-84 WELL NO. 237 LEASE No. Vacuum Abo Unit FIELD Vacuum Abo North

LOCATION A-26-T175-R34E
530' FNL + 660' FEL
Len Co., New Mexico

SIGNED M. L. DEER

G.L. 4026'
D.F. 4035'
K.B. 4036'
ZERO 10' AGL



— 17 1/2" hole.

— 13 3/8" 54.5° 380 ST+C casg (521 to 201') + 13 3/8" 48° H40 ST+C casg (521 to 204') set @ 405' w/ 400 sx C/C + 2% CaCl₂ + 1/4" FC/sx. Cmt Circ.

— 12 1/4" hole.

— Top of LWR @ 4182'

— 8 9/8" 32° 380 ST+C casg (1921 to 620') + 8 5/8" 32° E55 ST+C casg (5821 to 2486') + 8 9/8" 32° K55 ST+C casg (3921 to 1808') set @ 4918' w/ 3625 sx C/C + 4% gel + 15" salt/sx + 5" Wilsonite/sx + 1/4" FC/sx + 200 sx C/C + 2% CaCl₂ + 1/4" FC/sx. Cmt Circ.

— 7 7/8" hole

← 2 7/8" x 29' OPMA (8594-8623) + 2 7/8" x 4' Top Perf (8589-94) + 2 7/8" x 29" (8528) + 1021 to 278" EUE Brd top (314') + 2 7/8" x 5 1/2" Baker TAC (8271-14,000 mesh T) + 2421 to 278" E55 +

Add'l 8402-13, 22-25, 10 perf 8425-30, 34-60, 10 perf 8460-62, 65-82, 10 perf 8482-91, 91-96' 25PF

— Abo Perfs: 8540-43, 49-52, 68-65, 71-73, 76-84. 153PF, 24 holes. + 8425-30, 60-62, 82-91. 123PF, 19 holes. Total - 43 holes.

— PBD 8645'

TD 8700'

— 3921 to 5 1/2", 17" N80 L70C (1616') + 6021 to 5 1/2" 15.5° K55 ST+C (2884') set @ 8699' (70L @ 4182') w/ 1000 sx C/C + 4% gel + .4% HAINO4 + 1/4" FC + 200 sx C/C + .4% HAINO4 + 1/4" FC. Cmt Circ.

07/10/90

10:45

MPTM-MONAHAN-KJN

NO. 005

010

~~11-61-97~~

WELL NO. E70

LEASE North Vacuum Field Vacuum Abs

#246

Abo Unit

North

LOCATION 1980' EEL 660' FSL
Sec. 24, T17S, R34E
Lea County, New Mexico

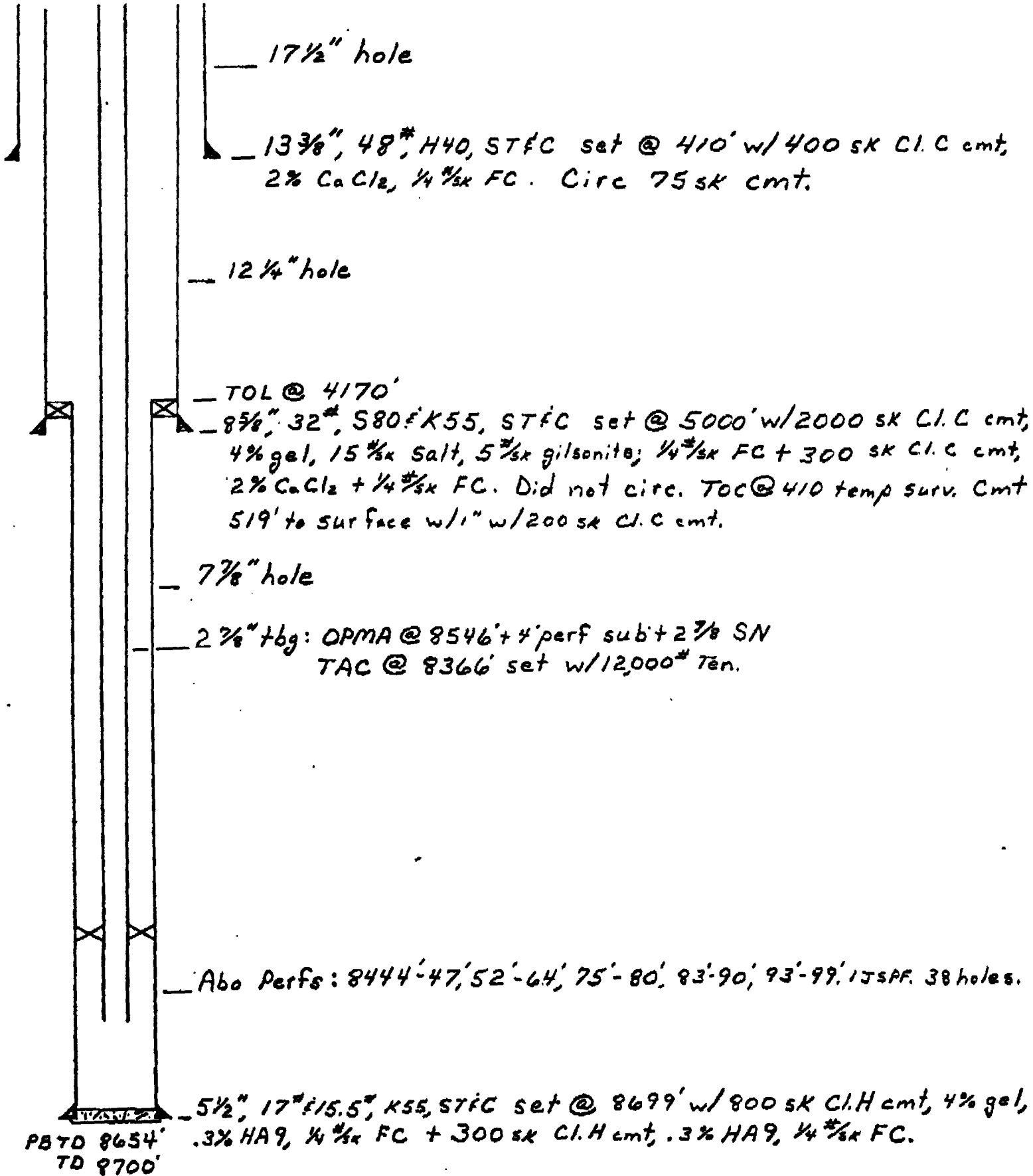
SIGNED R.W. Petty

G.L. 3996'

D.F. NA

K.B. 4009'

ZERO 13' AGL



17 1/2" hole

13 3/8", 48", H40, STFC set @ 410' w/ 400 SK Cl. C cmt, 2% CaCl₂, 1/4" FC. Circ 75 SK cmt.

12 1/4" hole

TOL @ 4170'

8 5/8", 32", S80 K55, STFC set @ 5000' w/ 2000 SK Cl. C cmt, 4% gel, 15% salt, 5% gilsonite; 1/4" FC + 300 SK Cl. C cmt, 2% CaCl₂ + 1/4" FC. Did not circ. TOC @ 410 temp surv. Cmt 519' to surface w/ 1" w/ 200 SK Cl. C cmt.

7 7/8" hole

2 3/8" tbg: OPMA @ 8546' + 4' perf sub + 2 3/8 SN TAC @ 8366' set w/ 12,000# Ten.

Abo Perfs: 8444'-47', 52'-64', 75'-80', 83'-90', 93'-99'. 1 JSPP. 38 holes.

5 1/2", 17" F15.5, K55, STFC set @ 8699' w/ 800 SK Cl. H cmt, 4% gel, .3% HA9, 1/4" FC + 300 SK Cl. H cmt, .3% HA9, 1/4" FC.

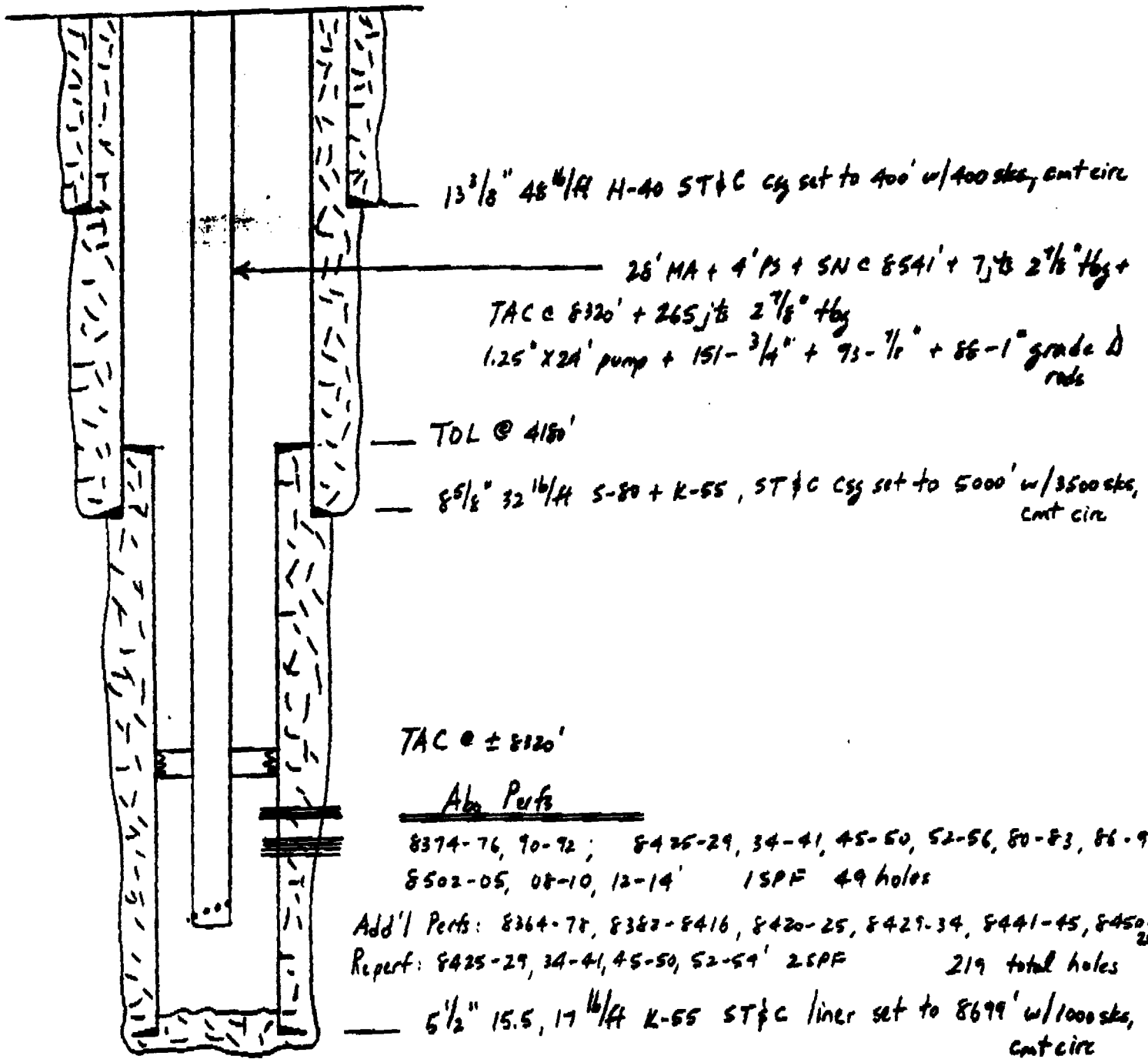
PBTD 8654'
TD 8700'

DATE 4-3-90 WELL NO. 239 LEASE North Vacuum Abo Unit
 FIELD Vac Abo North LOCATION 1992' FNL & 810' FWH Unit E Sec 25 T19S R 84
Lea County, New Mexico

SIGNED D G Elwood

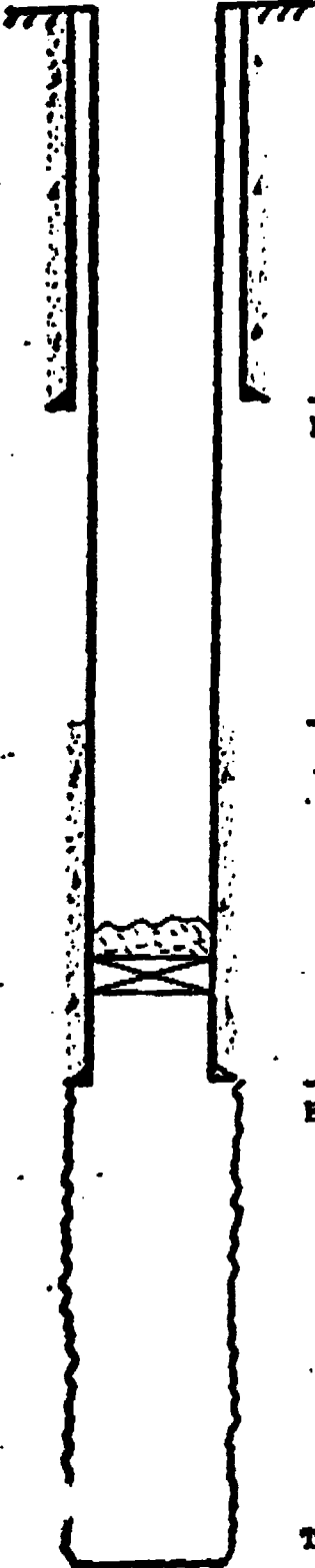
BL 4000'
 DF 4014'
 KB 4015'
 ZERO KB (15' AGL)

PROPOSED WELLBORE DIAGRAM



TD: 8700' PBD: 8650'

FIELD <i>Vacuum Grading S.A.</i>	OPERATOR <i>Mobil Oil Corp.</i>	DATE <i>7-6-88</i>
LEASE <i>Bridges State</i>	WELL NO. <i>41</i>	LOCATION <i>D-23-17S-34E</i>



10³/₄" casing set at 830' with 250 sx of N.A. cement
 Hole size 12¹/₄" cement circ.

2690' Cement top (Calc.)

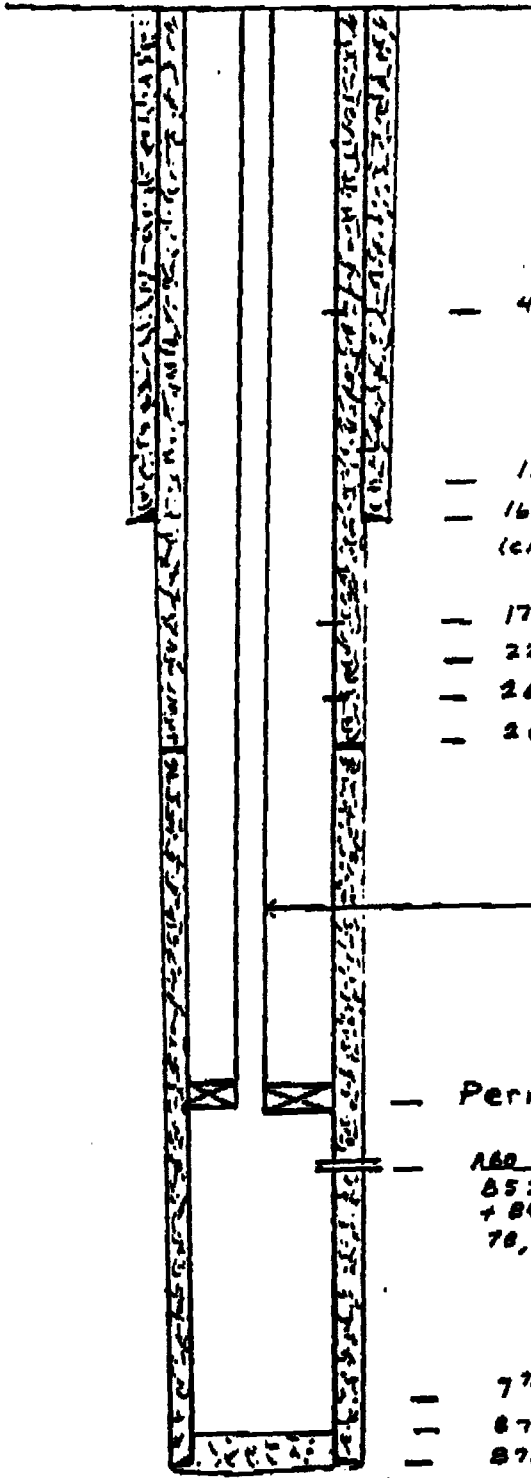
CIBP set @ + cmt

7" casing set at 4720' with 220 sx of N.A. cement
 Hole size 8³/₄"

Total Depth 4720'

DGE
7-6-88

North Vacuum Abu Unit # 156 W/W



PRESENT

- 425' PERFORATE 2 5/8" HOLES. 3020 W/ 1100 SX
- 12 1/4" HOLE
- 1630' 8 1/2" CSG SET W/ 1000 SX CLITE + GEL ELC
 (CIRCULATE CMT THRU SALT TO SURFACE 8-1000)
- 1775' PERFORATE 2 5/8" HOLES 3020 W/ 300 SX
- 2290' PERFORATE 2 5/8" HOLES 3020 W/ 2500 SX CMT
- 2603' PERFORATE 2 5/8" HOLES 3020 W/ 8000 SX CMT + 1300 SX
- 2601' INITIAL TOP OF CMT (T.S.)

2300' 784

Perm PKR @ ± 8380'

ABO PERES W/ 100PF 8487, 88, 93, 98, 99, 8500, 01, 02, 07, 09, 23
 8527, 35, 44, 48 (17 HOLES)
 + 8472, 76, 80, 87, 88, 95, 98, 99, 8500-02, 08, 25, 34, 36, 47, 57,
 78, 79, 80, 92, 8404-06, 28-30, 46, 50, 2 JSPF, 60 HOLES

- 7 7/8" HOLE
- 8725' 1870
- 8750' 5 1/2" CGL SET W/ 3100 SX TLW CMT.
 (J-55, N-80)

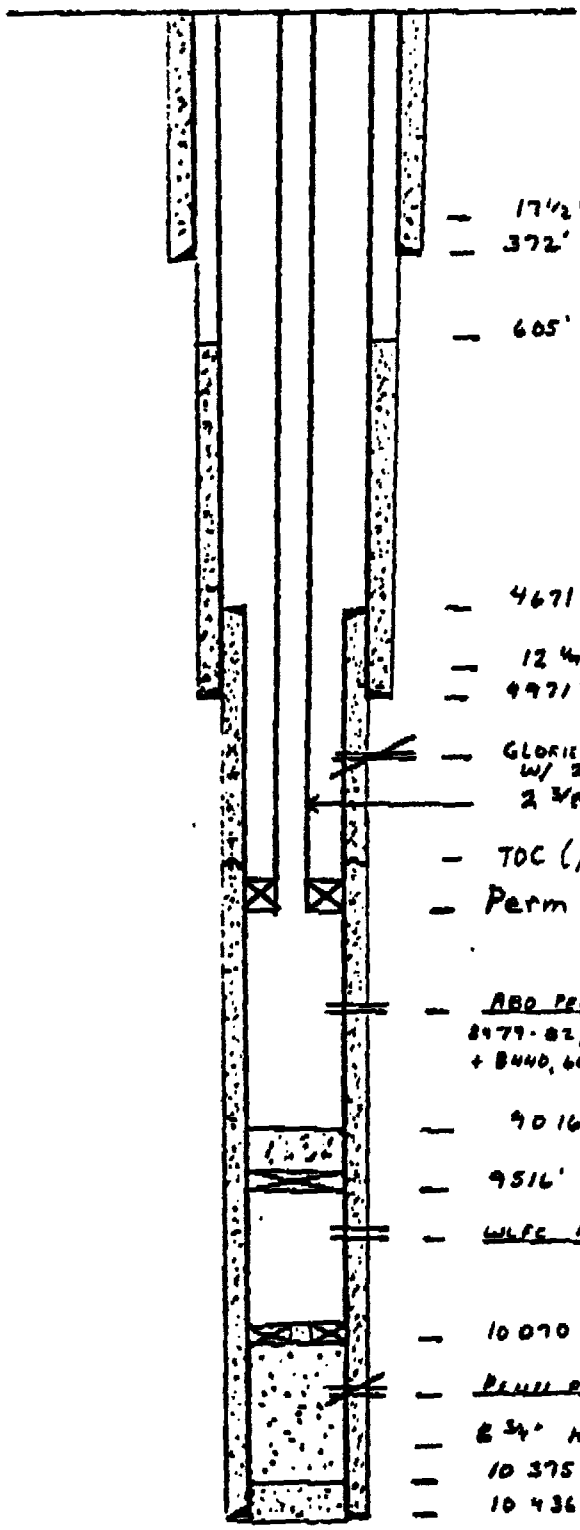
8750' 7D

DATE 3-30-88 WELL NO. 116 LEASE NVAU FIELD VACUUM

LOCATION 24 - 775 - R 34E
LEA CO., N.M.

SIGNED A. G. Elwood

G.L. 4018
 D.F. 4029
 K.B. 4030
 ZERO 12 466



- 17 1/2" HOLE
- 372' 13 3/8" 40# S-40 C&G SET W/ 350 S₂ CMT CIRC
- 605' TOP OF CEMENT (T.C.)
- 4671' TOP OF LINER SQUEEZED W/ WOODS
- 12 1/4" HOLE
- 4971' 9 5/8" 40# J&S C&G SET W/ 2300 S₂ CMT
- GLORIA PERFS 60, 62, 65, 67, 79, 81, 83, 85, 87, 91, 93, 95, 97, 100, 103, 108, 10 S22
 W/ 200 S₂ CMT. REV OUT 95 S₂. GLOR RE PERFB. RE S&RD W/ 85 S₂ CMT.
- 2 3/8" T&G
- TOC (primary cmt) @ 8185'
- Perm PKr @ 8350'
- ABO PERFS W/ 1 JSPP 8428, 91, 95, 96, 98-51, 63, 67, 69, 71, 72, 74-76
 8479-82, 84, 85, 87, 88, 91, 92, 95-97 (17 HOLES)
 + B&D, 60, 64, 67, 77, 98, 99, 8504, 05, 21, 22, 23, 24, 25, 28, 46, 50, 51, 70, 71, 72, 85, 86
 W/ JSPP (46 HOLES)
- 9016' P&TD
- 9516' C&P CAPPED W/ 35 S₂ CMT
- W&F PERFS 9605, 09, 11, 17, 31, 35, 43, 47, 50, 53, 57, 9945, 49,
 10024, 26, 28, 45, 52, 54
- 10070 BAKER MODEL D PKR
- PLUG PERFS 10087, 89, 91, 93, 99, 1001, 103, 106, 109, 116, 120, 123, 127, 132, 135,
 10139, 141 S&RD BELOW BAKER PKR W/ 100 S₂ CMT.
- 8 3/4" HOLE
- 10375' P&TD
- 10436' 7" 23# S&S LINER SET W/ 965 S₂ CMT CIRC

10436' TD

LOCATION A-26-175-34E

COUNTY LEA

STATE NM

GL 4017'

SIGNED A. G. Elwood

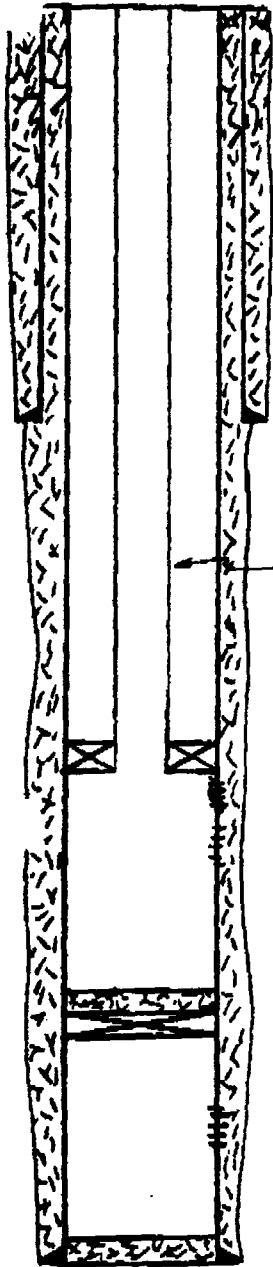
DF _____

KB 4027'

ZERO _____

PRESENT

Bridges State # ~~38~~ 105 W1W



— 8 7/8" 24# J-55 CSG SET @ 1516' w/ 850 SX INCORP 4% GEL + 50 SX NEAT w/ 1/4" FLOCCLE/SX + 2% HAS. CIRC.

← 138 JTS OF 2 3/8" CL TBG

— 1/2" PL BAKER AD-1 TENSION PKR SET @ 4294' w/ 10 PFS T

— G/SA PERFS: 4361-4773' 302' D w/ 200 SX CNT. RESQZ'D w/ 200 SX CNT B/TZ.

— G/SA PERFS: 4448-4816' OA
459, 5

— 1/2" BARBER CIBP SET @ 6000'. CARRIED w/ 42' CNT. TOC @ 5958'

— G/SA PERFS: 6044-6096' OA (32 HOLES)

— 4 1/2" 9.5# J-55 CSG SET @ 6150' w/ 1675 SX TLW + 100 SX NEAT. CIRC.

TO 6150'
AS TO 5958'

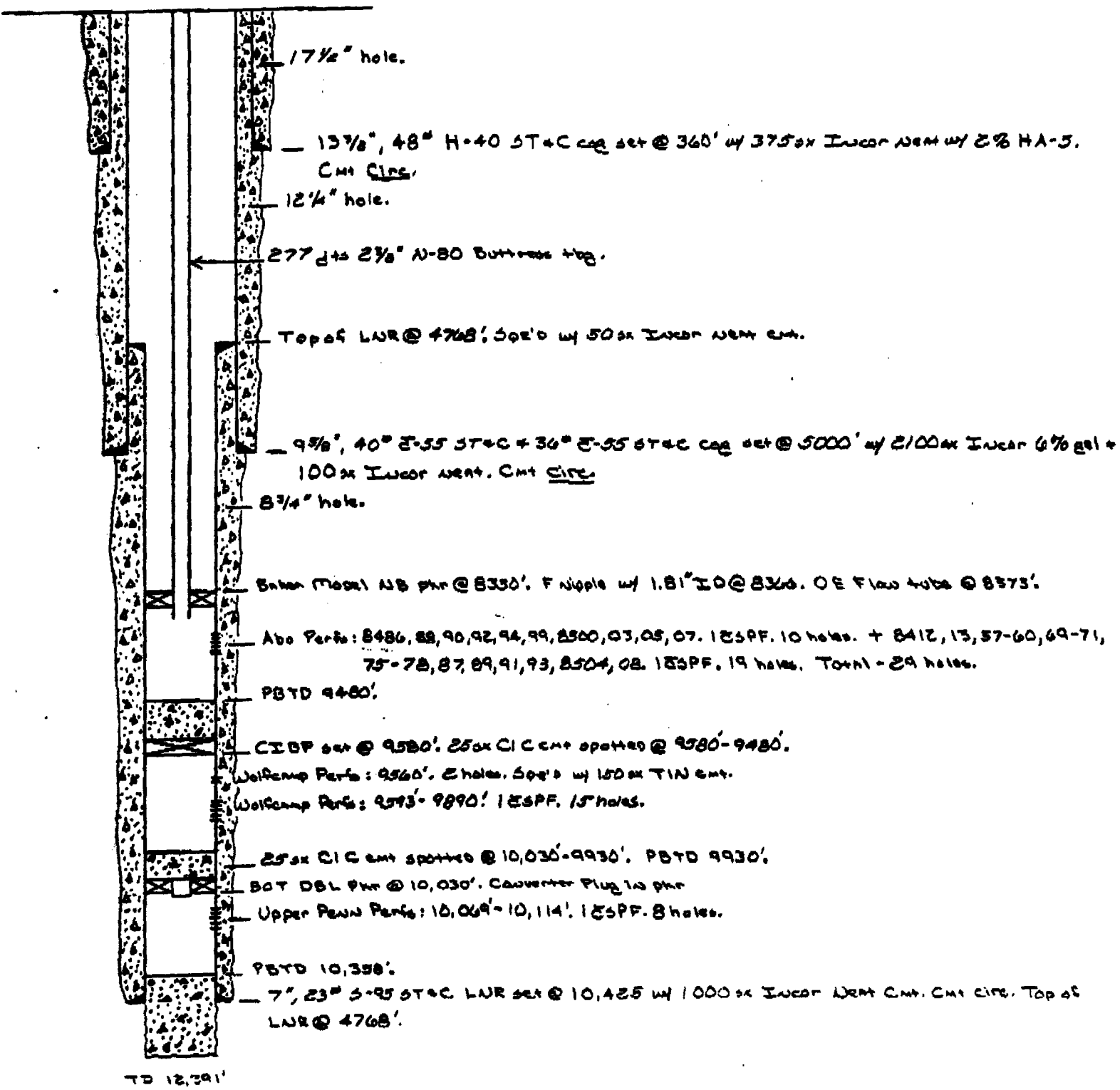
DATE 3-30-88 WELL NO. 119 LEASE No. Vacuum Area Unit FIELD Vacuum Area North

LOCATION F-24-173-34E

SIGNED D. G. Elwood

G.L. 4012.7'
D.F. 4023'
K.B. 4024'
ZERO 11.3' AGL

1980' FWL AND 1780' FWL
Len County, New Mexico



WELL NO. 2B1

LEASE NVAU

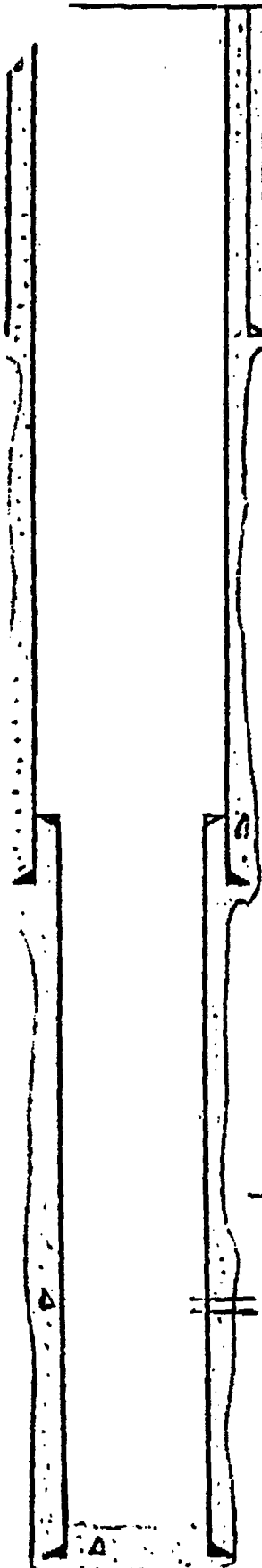
FIELD Vacuum Abs No.

DN A - S23 - T175 - R - 35E

SIGNED D. A. Howell

G.L. _____
D.F. _____
K.B. _____
ZERO _____

2B1



- 17 1/4" hole

- 13 3/8" CSG set @ 395' w/ 500 SX, cmt circ.

- 12 1/4" hole

- LNR top @ 4200'

- 8 5/8" 28" CSG. SET @ 5000' w/ 3150 SX CMT
CMT

- 7 7/8" hole

Abn Prifs: 8484'-94', 8510'-8543', 1 JSFF (45 holes)

- 5 1/2" 17" CSG SET @ 8798' w/ 680 SX CMT
CMT circ.

D = 8400' PRTD = 8707'

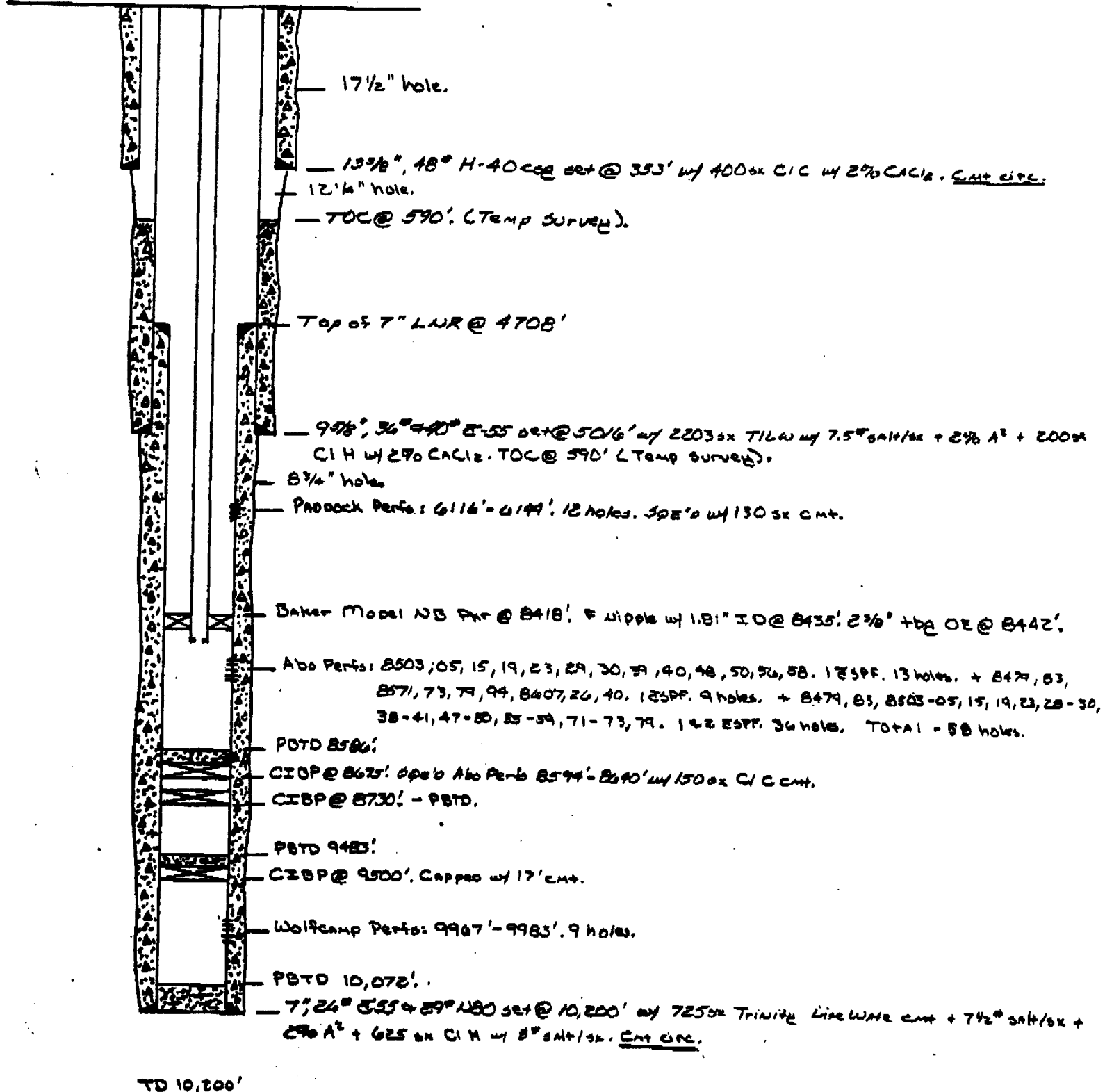
DATE 4-8-88 WELL NO. 212 LEASE No. Vacuum Abu Unit FIELD Vacuum Abu North

LOCATION P-24-175-34E
795' FSL and 795' FEL
Lea County, New Mexico

SIGNED D. G. Elwood

G.L. 3997'
D.F. 4013'
K.B. ---
ZERO 14' AGT

PRESENT



DATE 4-8-88 WELL NO. 218 LEASE No. Vacuum Abq Unit FIELD Vacuum Abq North

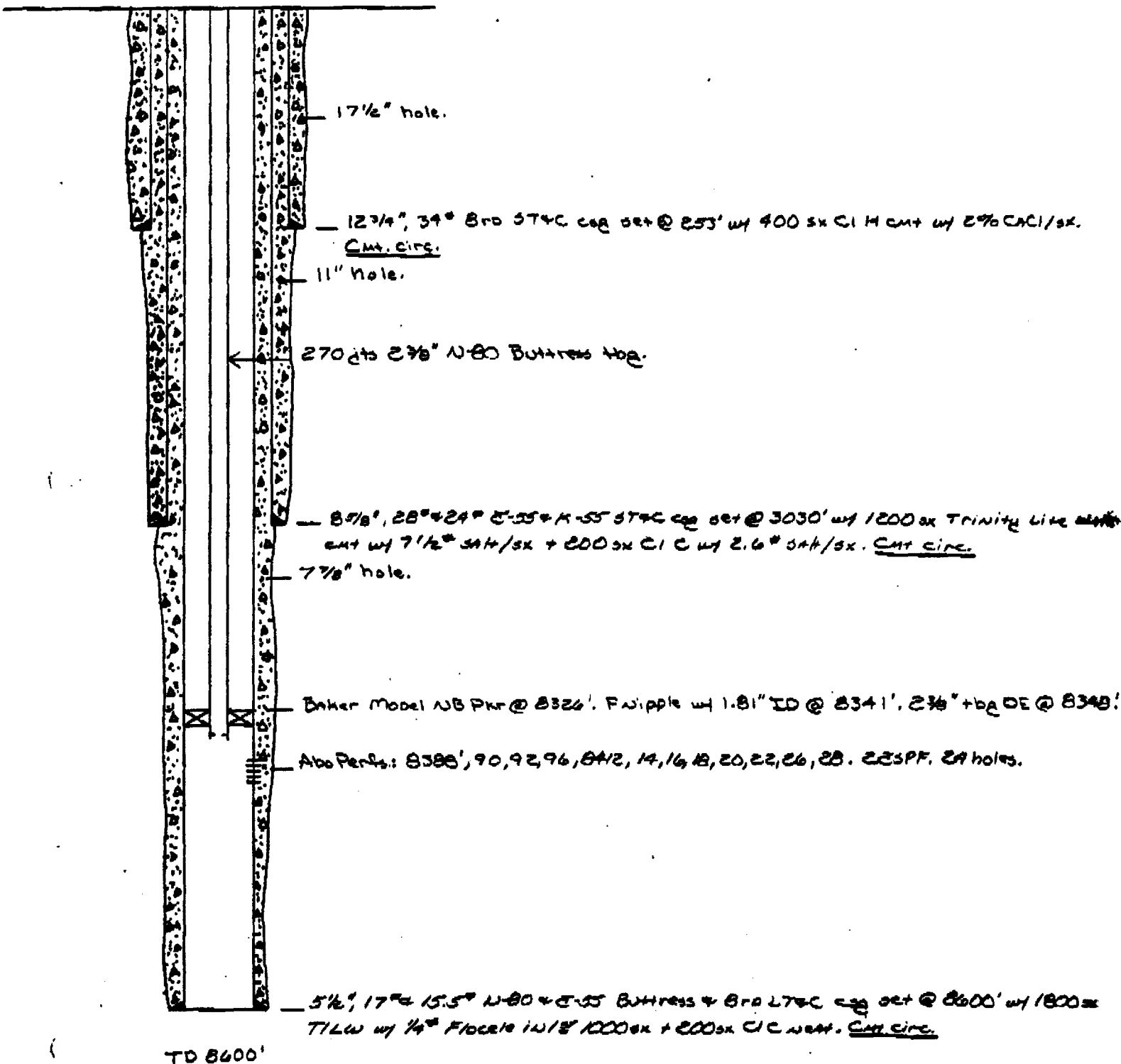
LOCATION F-25-173-34E

SIGNED D. G. E/wood

G.L. 4010'
D.F. ---
K.B. 4070'
ZERO 10' Agl

1880' FAL AND 1974' FWL
Lea County, New Mexico

PRESENT



07/10/90 08:38

MPTM-MONAHAN-KJN NO. 003

004

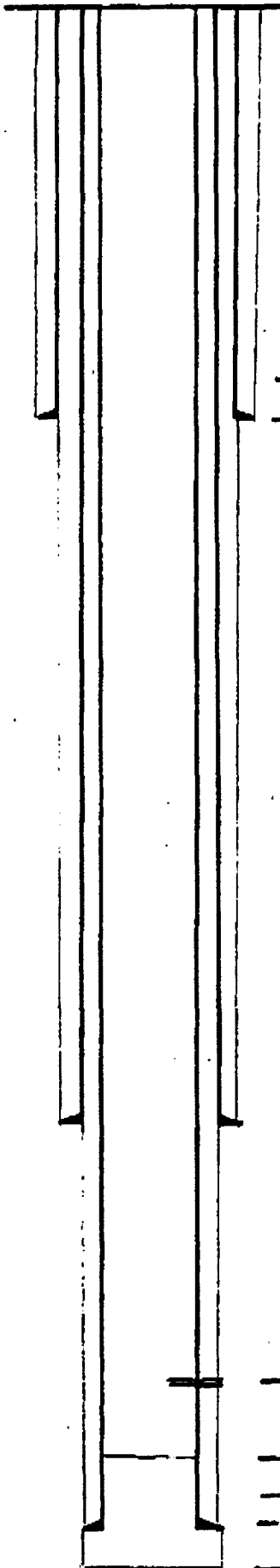
WELL NO. 222 LEASE NVAU

FIELD N. VACUUM

LOCATION 2100' FSL 660' F&L, B&L 24, T-17-S, S-34-E
C&A EDWARDS

SIGNED M.E. Vasicek

G.L. _____
D.F. _____
K.B. _____
ZERO



— 17 1/2" HOLE
— 250' 12 3/4" 34# N40 CAS SET W/ 400 S. CMT CIRC

— 12 1/4" HOLE
— 3072' 8 5/8" 20#, 24#, 28# CAS SET W/ 1765 S. CMT CIRC

— 135' 1 3/8" PERFS 8511-518, 530-534, 529-546, 549-558, 562-564, 568-576
W/ 135PF (35 HOLES)

— 8619' TBTD
— 7 7/8" HOLE

— 8650' 5 1/2" 155# + 17# K55 CAS SET W/ 1600 S. CMT CIRC

— 8660' TD

07/10/90

08:38

MP1M-MUNAHAN-KJN

NO. 003

003

DATE 11-21-07

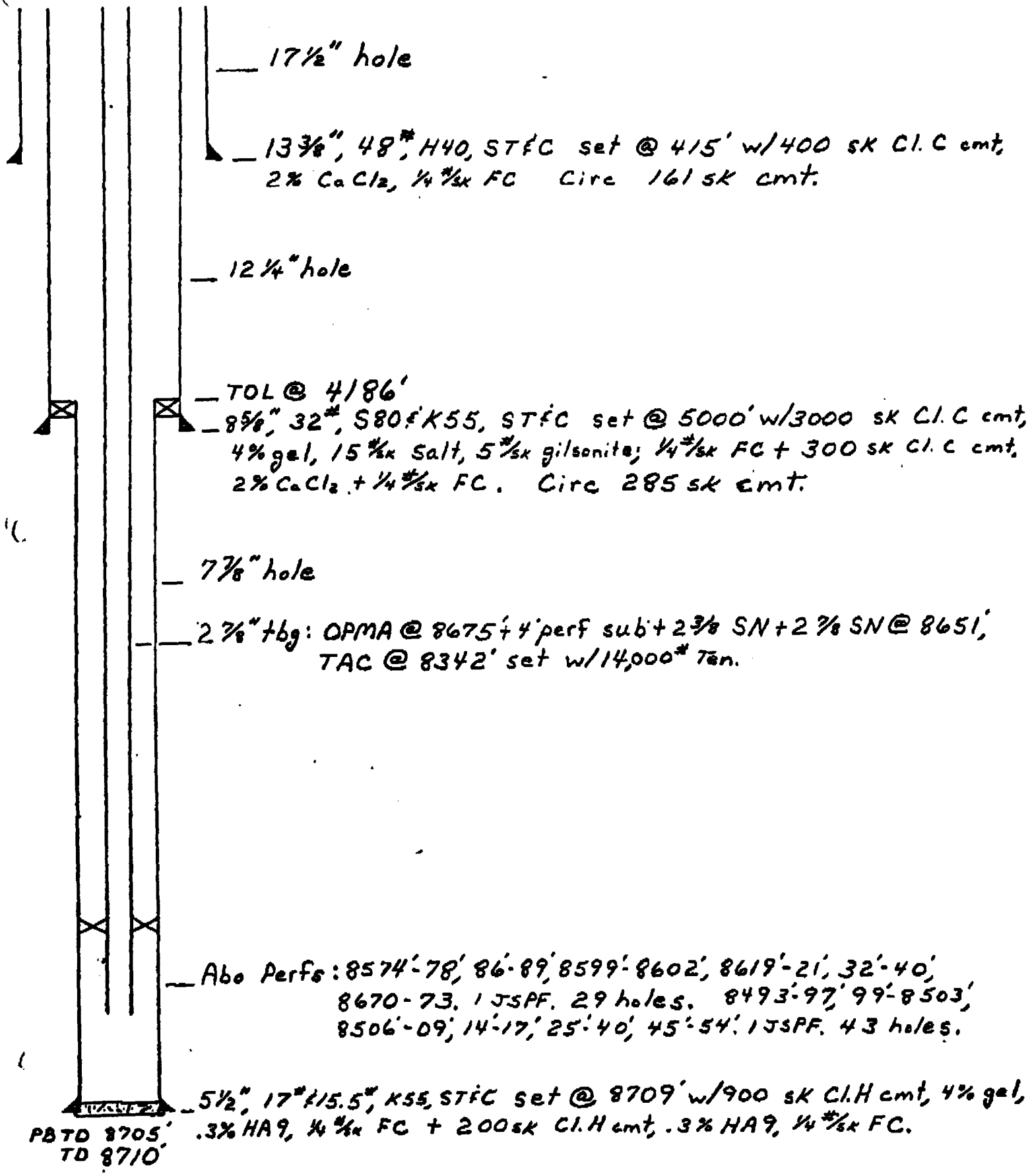
WELL NO. 241

LEASE North Vacuum FIELD Vacuum Abo
Abo Unit

LOCATION 2094' EEL & 2081' ENL
Sec. 24, T17S, R34E
Lea County, New Mexico

SIGNED R.W. Petty

North
G.L. 4017'
D.F. NA
K.B. 4032'
ZERO 15' AGL



17 1/2" hole

13 3/8", 48" H40, STFC set @ 415' w/400 sk C.I.C cement,
2% CaCl₂, 1/4" FC Circ 161 sk cement.

12 1/4" hole

TOL @ 4186'

8 5/8", 32", S80 K55, STFC set @ 5000' w/3000 sk C.I.C cement,
4% gel, 15% salt, 5% Gilsonite; 1/4" FC + 300 sk C.I.C cement,
2% CaCl₂ + 1/4" FC. Circ 285 sk cement.

7 7/8" hole

2 7/8" tbg: OPMA @ 8675' + 4' perf sub + 2 3/8 SN + 2 7/8 SN @ 8651',
TAC @ 8342' set w/14,000# Ten.

Abo Perfs: 8574'-78', 86'-89', 8599'-8602', 8619'-21', 32'-40',
8670'-73', 1 JSPP, 29 holes. 8493'-97', 99'-8503',
8506'-09', 14'-17', 25'-40', 45'-54', 1 JSPP, 43 holes.

5 1/2", 17" K55, STFC set @ 8709' w/900 sk C.I.H cement, 4% gel,
.3% HA9, 1/4" FC + 200 sk C.I.H cement, .3% HA9, 1/4" FC.

PBTD 8705'
TD 8710'

07/10/90

08:39

MPTM-MONAHAN-KJN

NO. 003

006

DATE 11-21-87

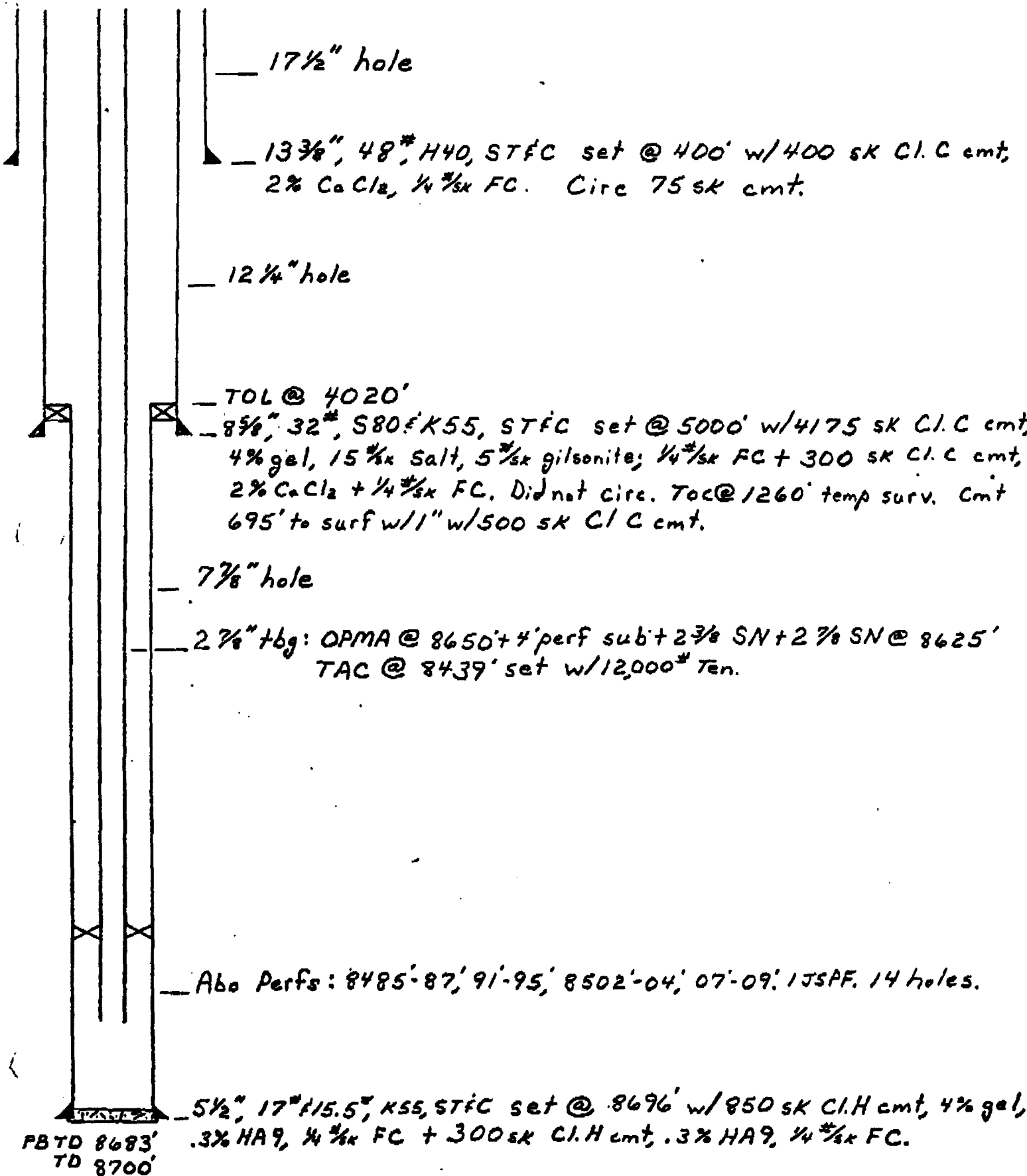
WELL NO. 278

LEASE North Vacuum FIELD Vacuum Ab.
Abo Unit

LOCATION 2100' FNL 659' FWL
Sec. 24 T17S, R34E
Lea County, New Mexico

SIGNED R. W. Petty

North
G.L. 4009'
D.F. 4023'
K.B. 4024'
ZERO 15' AGL



17 1/2" hole

13 3/8", 48" H40, STFC set @ 400' w/ 400 SK C.I.C. cement,
2% CaCl₂, 1/4" FC. Circ 75 SK cement.

12 1/4" hole

TOL @ 4020'
8 5/8", 32" S80 K55, STFC set @ 5000' w/ 4175 SK C.I.C. cement,
4% gel, 15% salt, 5% Gilsonite; 1/4" FC + 300 SK C.I.C. cement,
2% CaCl₂ + 1/4" FC. Did not circ. Toc @ 1260' temp surv. Cement
695' to surf w/ 1" w/ 500 SK C.I.C. cement.

7 7/8" hole

2 7/8" tbg: OPMA @ 8650' + 4' perf sub + 2 3/8" SN + 2 7/8" SN @ 8625'
TAC @ 8439' set w/ 12,000# Ten.

Abo Perfs: 8485-87, 91-95, 8502-04, 07-09. 1 JS PF. 14 holes.

5 1/2", 17" F15.5, K55, STFC set @ 8696' w/ 850 SK C.I.H cement, 4% gel,
.3% HA9, 1/4" FC + 300 SK C.I.H cement, .3% HA9, 1/4" FC.

PBTD 8683'
TD 8700'

DATE 11-28-84 WELL NO. 251 LEASE North Vacuum FIELD Vacuum Abo
Abo Unit

LOCATION 660' FNL & 2110' FWL
Sec. 24, T17S, R34E
Lea County, New Mexico

SIGNED R.W. Petty

North
G.L. 4022'
D.F. 4034.5'
K.B. 4035.5'
ZERO 13.5' AGL

— 17 1/2" hole

— 13 3/8", 48", H40, STFC set @ 420' w/400 sk C.I.C cmt,
2% CaCl₂, 1/4 #/sk FC. Circ 100sk cmt.

— 12 1/4" hole

— TOL @ 4122'

— 8 5/8", 32", S80' K55, STFC set @ 5000' w/2000 sk C.I.C cmt,
4% gel, 15 #/sk Salt, 5 #/sk gilsonite; 1/4 #/sk FC + 300 sk C.I.C cmt,
2% CaCl₂ + 1/4 #/sk FC. Circ 250sk cmt.

— 7 7/8" hole

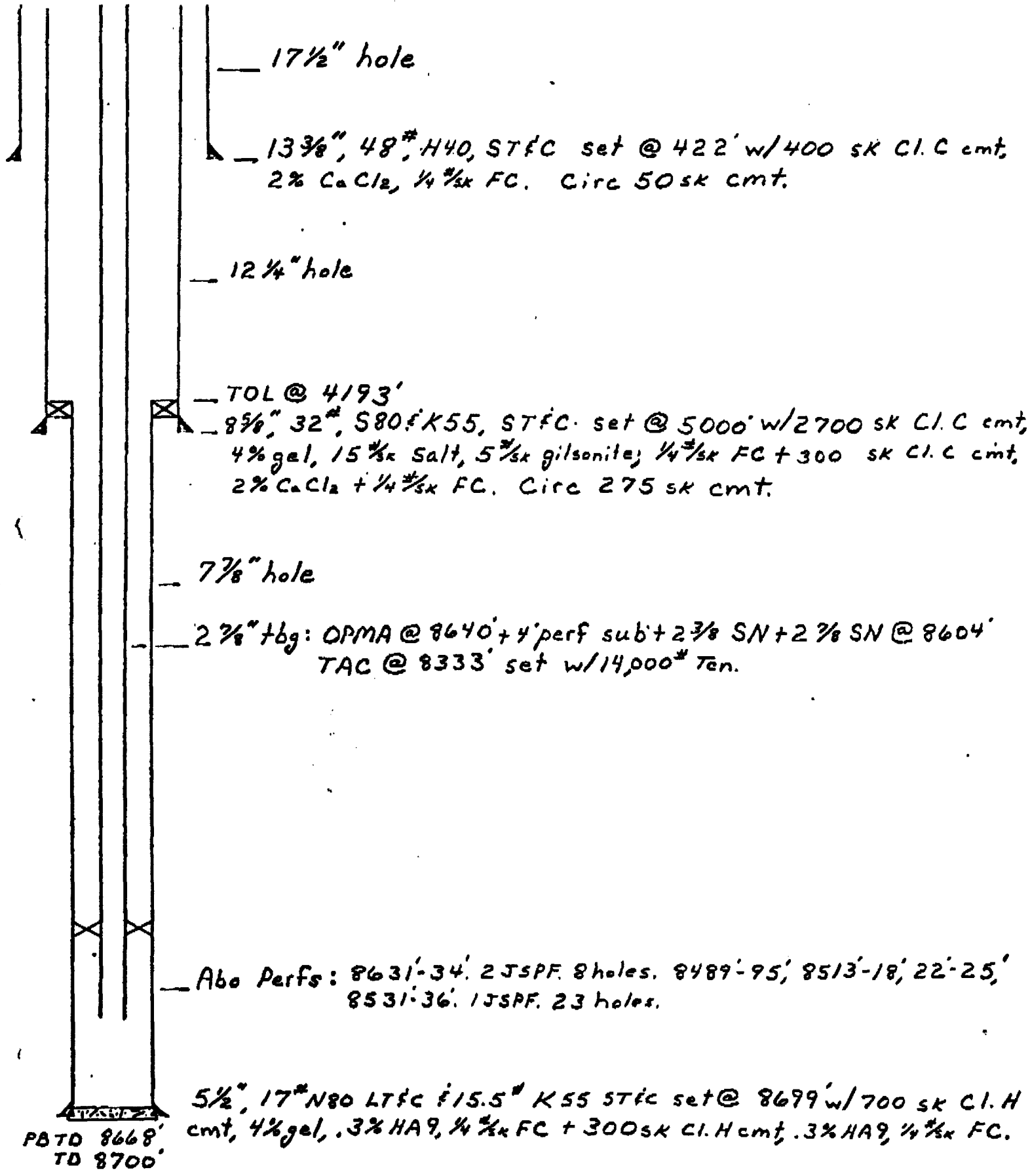
— 2 7/8" tbg: OPMA @ 8625' + 4' perf sub + 2 3/8" SN + 2 7/8" SN @ 8588'
TAC @ 8377' set w/12,000# Ten.

— Abo Perfs: 8501'-05'; 17'-28'; 34'-40'. 1 JSAP. 24 holes.

5 1/2", 17" N80 LTfc f15.5" J55 STfc set @ 8699' w/800 sk C.I.H
cmt, 4% gel, .3% HA9, 1/4 #/sk FC + 300 sk C.I.H cmt, .3% HA9, 1/4 #/sk FC.

PBTD 8656'
TD 8700'

WELL NO. EJF 252 LEASE North Vacuum FIELD Vacuum Abo
 LOCATION 790' FWL F 660' FSL Abo Unit North
Sec. 13, T17S, R34E SIGNED R. W. Petty G.L. 4014
Lea County, New Mexico K.B. 4029
 ZERO 16' AGL



17 1/2" hole

13 3/8", 48", H40, STFC set @ 422' w/400 sk C.I.C cmt, 2% CaCl₂, 1/4 #/sk FC. Circ 50 sk cmt.

12 1/4" hole

TOL @ 4193'
 8 5/8", 32", S80' K55, STFC set @ 5000' w/2700 sk C.I.C cmt, 4% gel, 15 #/sk salt, 5 #/sk gilsonite, 1/4 #/sk FC + 300 sk C.I.C cmt, 2% CaCl₂ + 1/4 #/sk FC. Circ 275 sk cmt.

7 7/8" hole

2 7/8" tbg: OPMA @ 8640' + 4' perf sub + 2 3/8 SN + 2 7/8 SN @ 8604'
 TAC @ 8333' set w/14,000 # Ten.

Abo Perfs: 8631'-34'. 2 JS PF. 8 holes. 8489'-95', 8513'-18', 22'-25', 8531'-36'. 1 JS PF. 23 holes.

5 1/2", 17" N80 LTFC F 15.5" K55 STFC set @ 8699' w/700 sk C.I.H cmt, 4% gel, .3% HA9, 1/4 #/sk FC + 300 sk C.I.H cmt, .3% HA9, 1/4 #/sk FC.

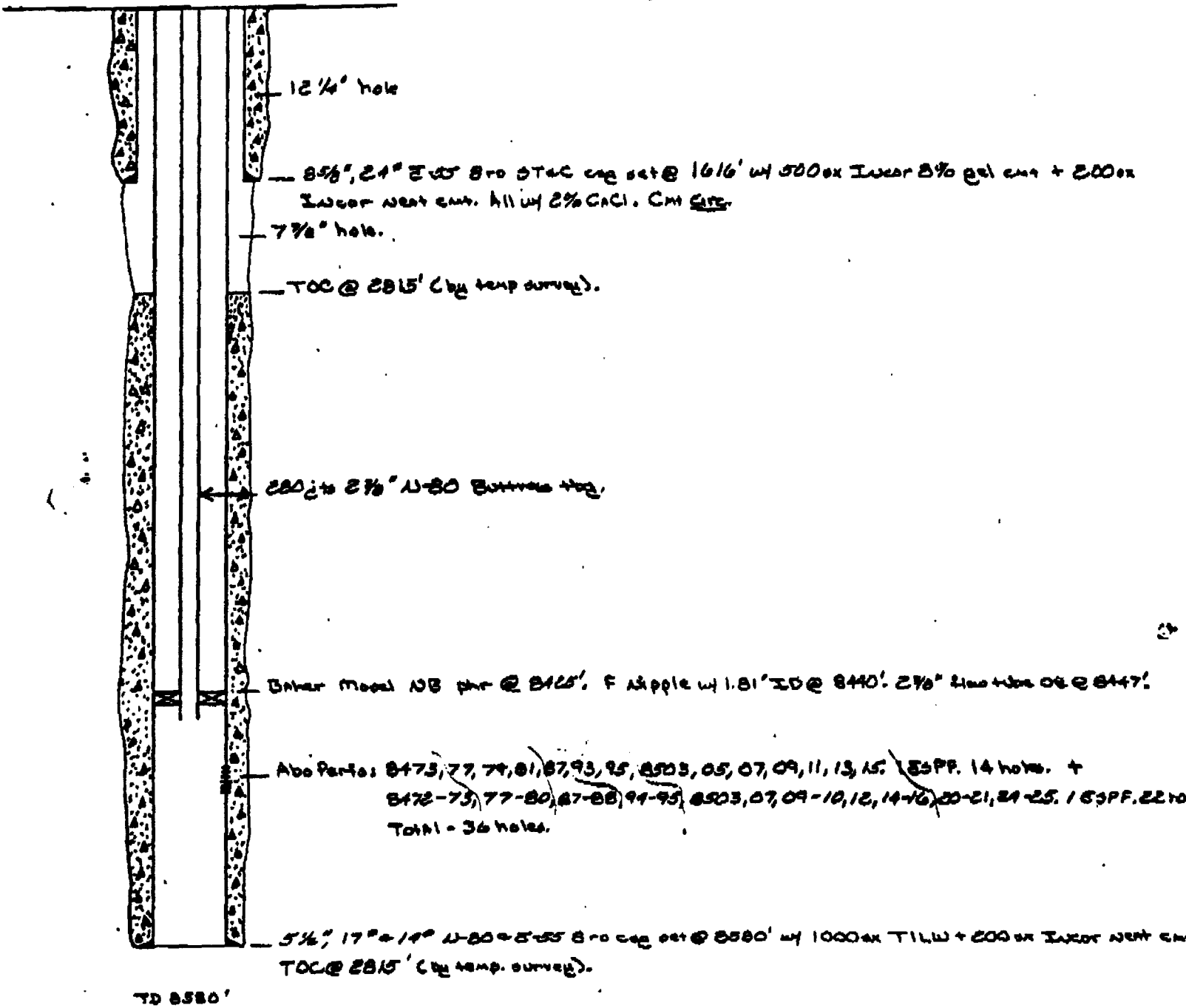
PBTD 8668'
 TD 8700'

DATE 3-30-88 WELL NO. 12A LEASE No. Vacuum Abo Unit FIELD Vacuum Abo North

LOCATION H-23-175-34E
2005' FAH AND 535' FEL
Lea County ; New Mexico

SIGNED D. G. Elwood

G.L. 4029'
D.F. 4036'
K.B. 4037'
ZERO 13' AGL

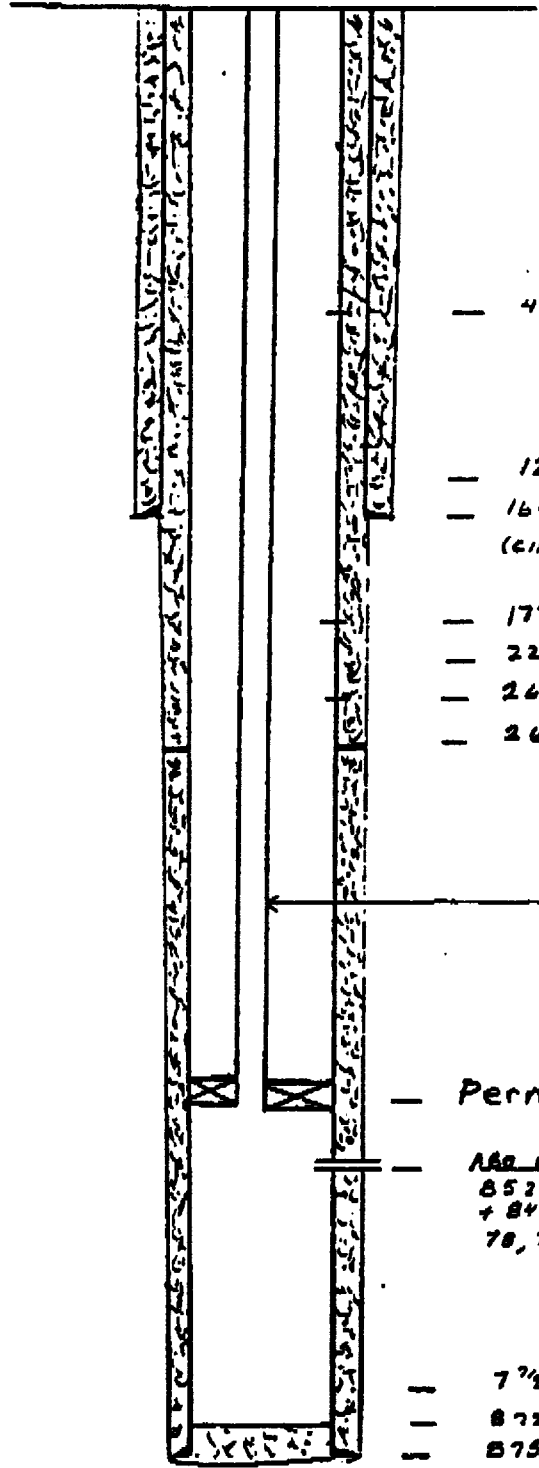


LOCATION F 23 - T 175 - R 34E
LEA CO. N.M.

SIGNED D. G. Elwood

G.L. 4025
D.F. 4036
K.B. 4037.5
ZERO KB 12.5
ACL

North Vacuum Ab. Unit #156



PRESENT

- 420' PERFORATE 2 SQZ HOLES. SQZD W/ 1100 SX
- 12 1/4" HOLE
- 1630' 3 1/2" CSG SET W/ 1000 SX C LITE + GEL CIRC
(CIRCULAR CMT THRU SALT TO SURFACE 3-1980)
- 1775' PERFORATE 2 SQZ HOLES SQZD W/ 300 SX
- 2240' PERFORATE 2 SQZ HOLES SQZD W/ 2500 SX CMT
- 2403' PERFORATE 2 SQZ HOLES SQZD W/ 8000 SX CMT + 1300 SX
- 2601 INITIAL TOP OF CMT (T.S.)

23" TSG

Perm PKR @ ± 8380'

ABO PERES W/ 130PF 8407, 08, 15, 28, 37, 8500, 01, 02, 07, 09, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100 (17 HOLES)

- 7 1/2" HOLE
- 8725' TSTD
- 8750' 5 1/2" CSG SET W/ 3100 SX TLW CMT.
(J-55, N-80)

8750' TD

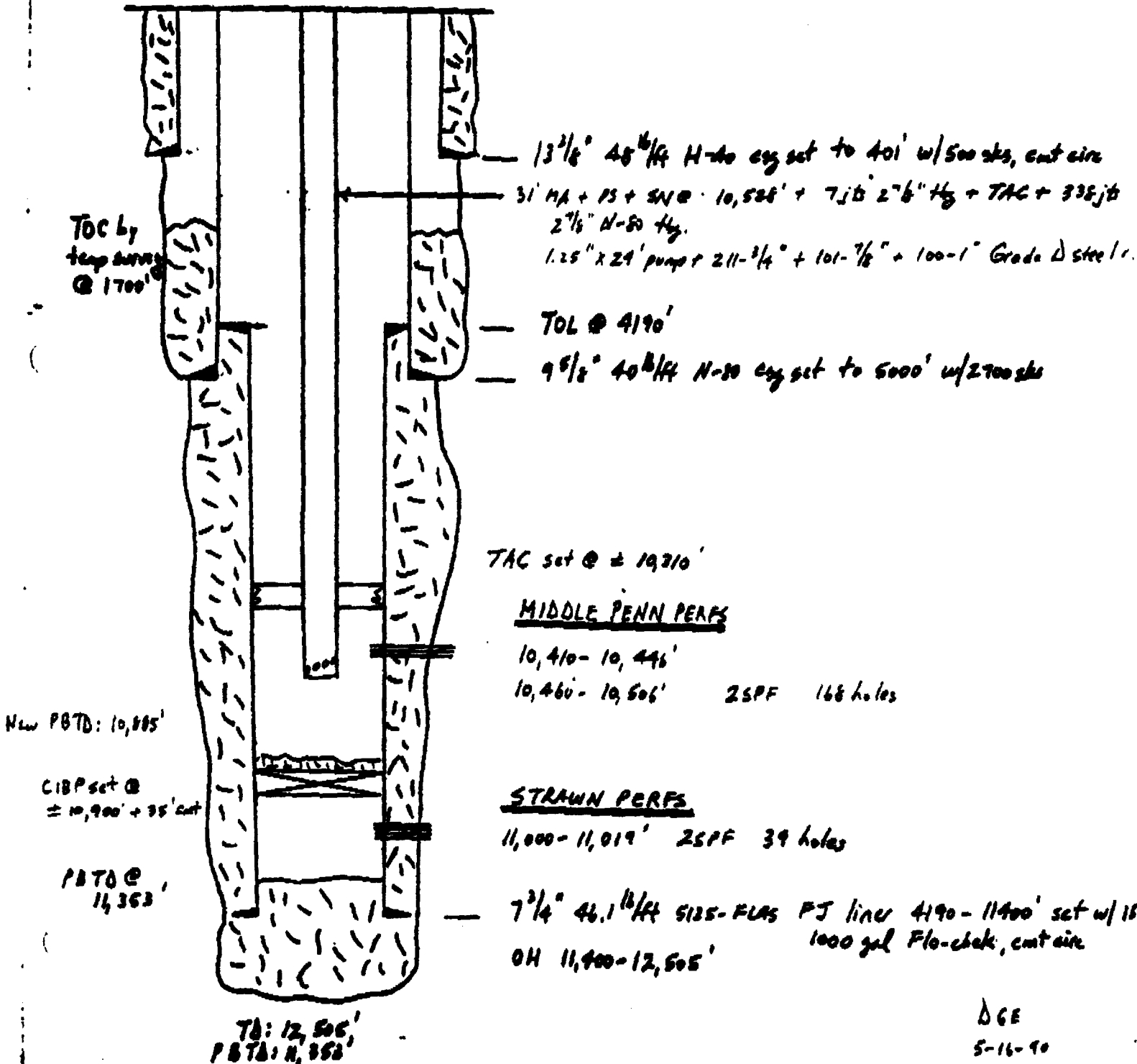
DATE 3-26-90 WELL NO. 506 LEASE Bridges State
 FIELD Vacuum Middle Penn LOCATION N Sec 13 T19S R24E S30' FSL #2
Lee County, New Mexico 2175' F.

SIGNED: D. G. Elwood

GL 4015'
 DF _____
 KB 4022'
 ZERO RA (17'AGL)

(ACTUAL)

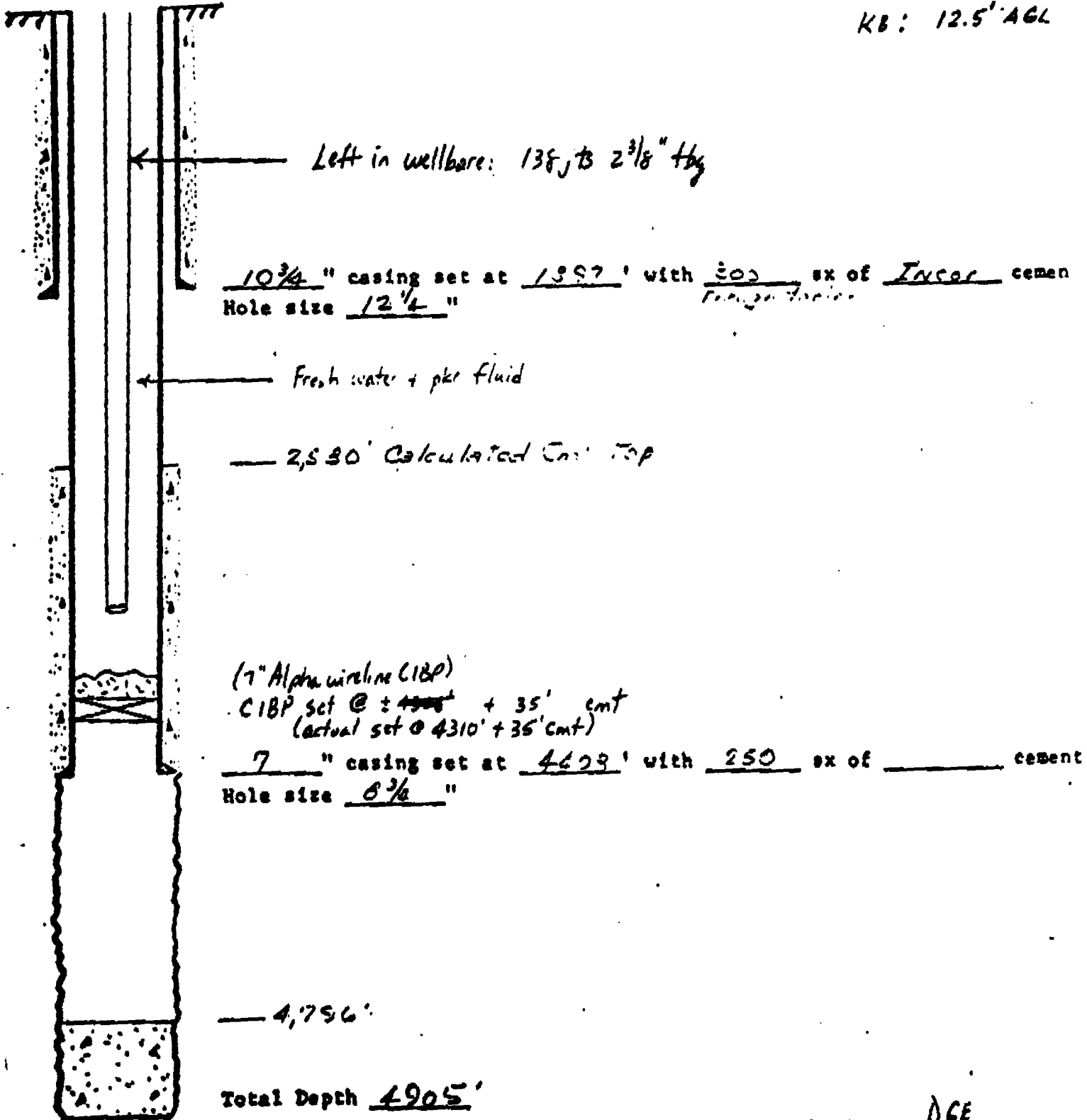
PROPOSED WELLBORE DIAGRAM



FIELD Vicinity Grbg San Andres	OPERATOR Mobil Oil Corp.	DATE 7-6-88
LEASE State "G"	WELL NO.	LOCATION A-24-175-34E

PROPOSED WELL SKETCH

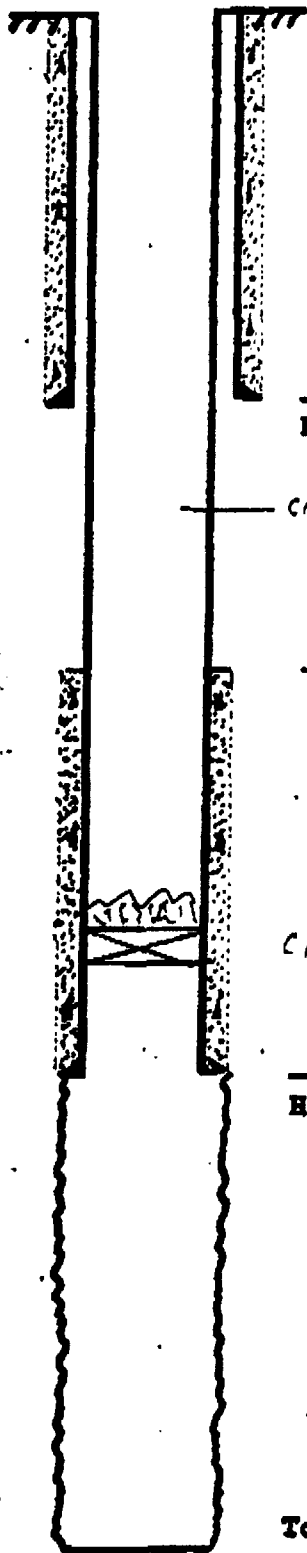
GL: 4025'
KB: 12.5' AGL



~~DCE~~
7-6-88

DCE
12-16-88

FIELD	Vacuum Grbg San Andrus	OPERATOR	Mobil Oil Corp	DATE	7-25-81 DGE
LEASE	State "G"	WELL No	2	LOCATION	H-24-175-34E



10 3/4 " casing set at 828 ' with 231 sz of _____ cement
 Hole size 12 1/4 " *Enough to circ*

circ csg w/ 150 BFW + 55 gal NL Cont 1270 pkr fluid

2670 ' Calculated Cmt Top

CIBP set @ 4270' + 35' cmt csg (PBTD = 4235') DONE

7 " casing set at 4350 ' with 231 sz of _____ cement
 Hole size 8 3/4 "

2 1/2" tubing to 4752'

Total Depth 4750' PBTD 4750

07/10/90

08:42

#3

MPTM-MONAHAN-KJN

NO. 003

014

WELL NO.

LEASE

STATE

FIELD VACUUM G/SA

LOCATION 8-24-175-346

COUNTY LEA

STATE NM

GL _____

ORIG. COM. DATE 12-12-39

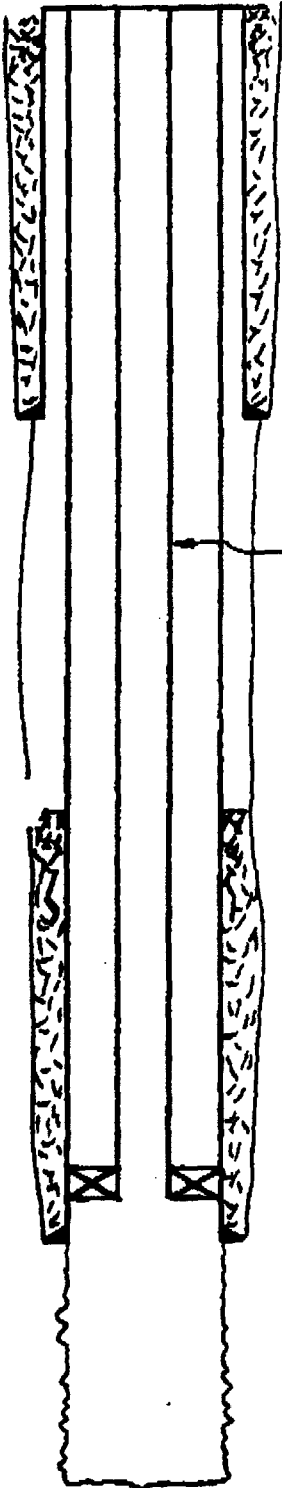
SIGNED D.G. Elwood

DF _____

KB _____

ZERO _____

PRESENT



— 10 7/8", 36# CSG SET @ 826' w/ 250SX CMT + 7SX AQUASEL. CIRC.

— JOINTS OF 2 1/8", J-55 CL TBC

— CASE TBC @ 2350'

— 7" GUB SHORTY TENSION PKR (PC) SET @ 4295' w/ 10 PYS T

— 7", 24# CSG SET @ 4331' w/ 220 SX CMT + 7 SX AQUASEL.

SAN ANDRES

OH 4331 - 4726'

TO 4726'

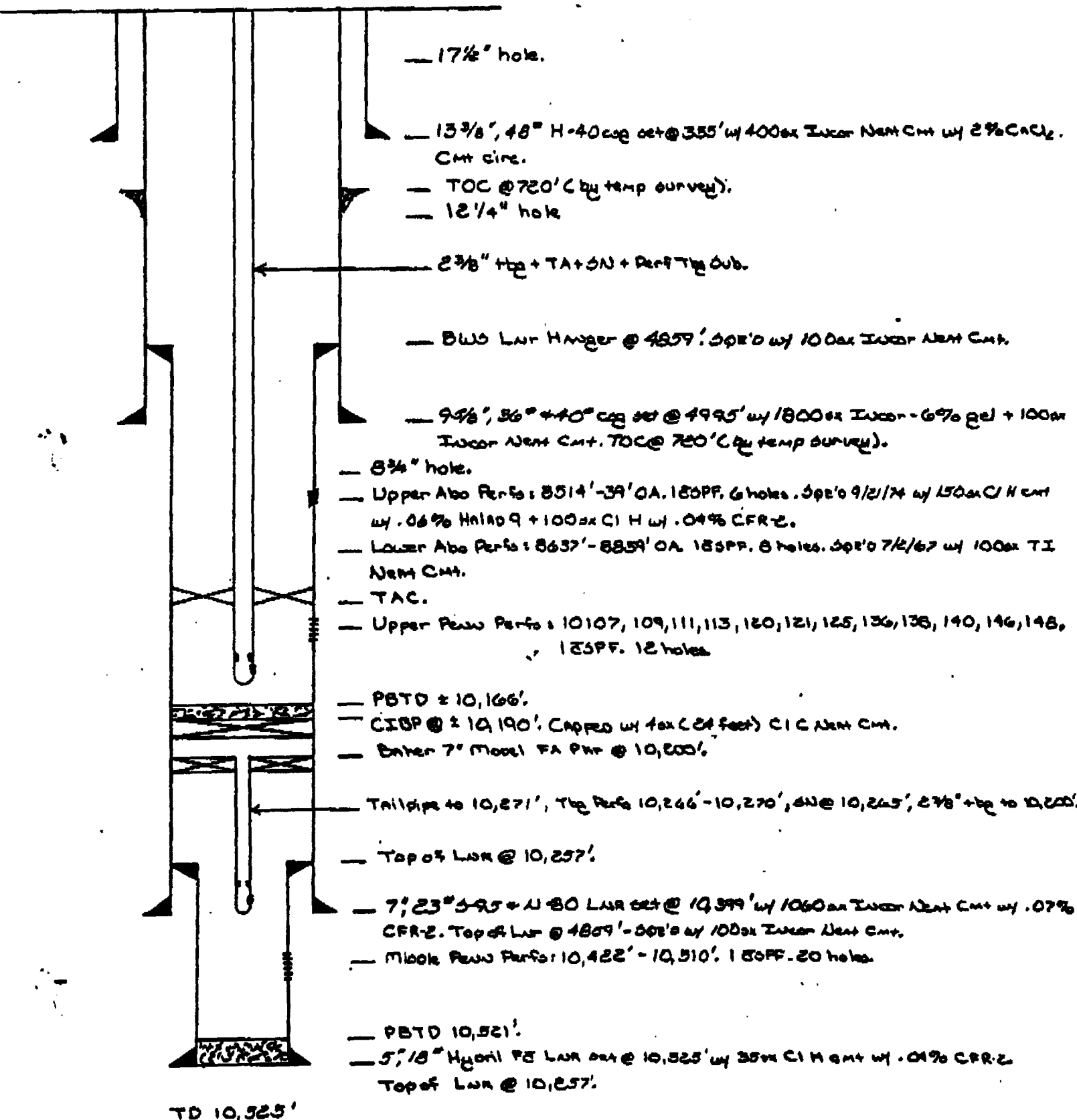
DATE 7-27-83 WELL NO. 120 LEASE Bridges State FIELD Vic. M & U. Peaso

LOCATION N-13-175-34E
660' FSL & 1780' FWL
Lea County, New Mexico

SIGNED MLIDERR

G.L. 4020.5'
D.F. 4030.1'
K.B. 4032.5'
ZERO 17' AGI

Proposed



LOCATION: S-24
T-17S
R-34E

Bridges State #197

KB: 4027'
GL: 4014'

SPUD DATE: 4/24/85

13 3/8"
CMT CIRC

BS 197

35'

8 5/8"
24#, K55
1400 SX
CLASS C
CIRC.

1725'

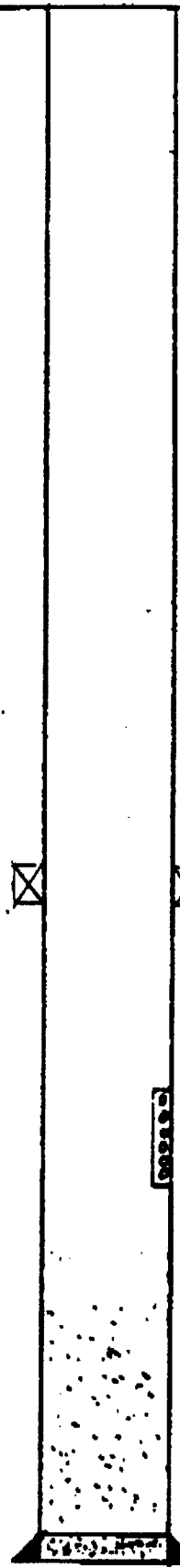


LYNES ECP FKR
4304'
DID NOT SET

SAN ANDRES PERFS
4536' - 4581'
34 HOLES

5 1/2"
14#, K55
1300 SX
CLASS C
CIRC.

4800'

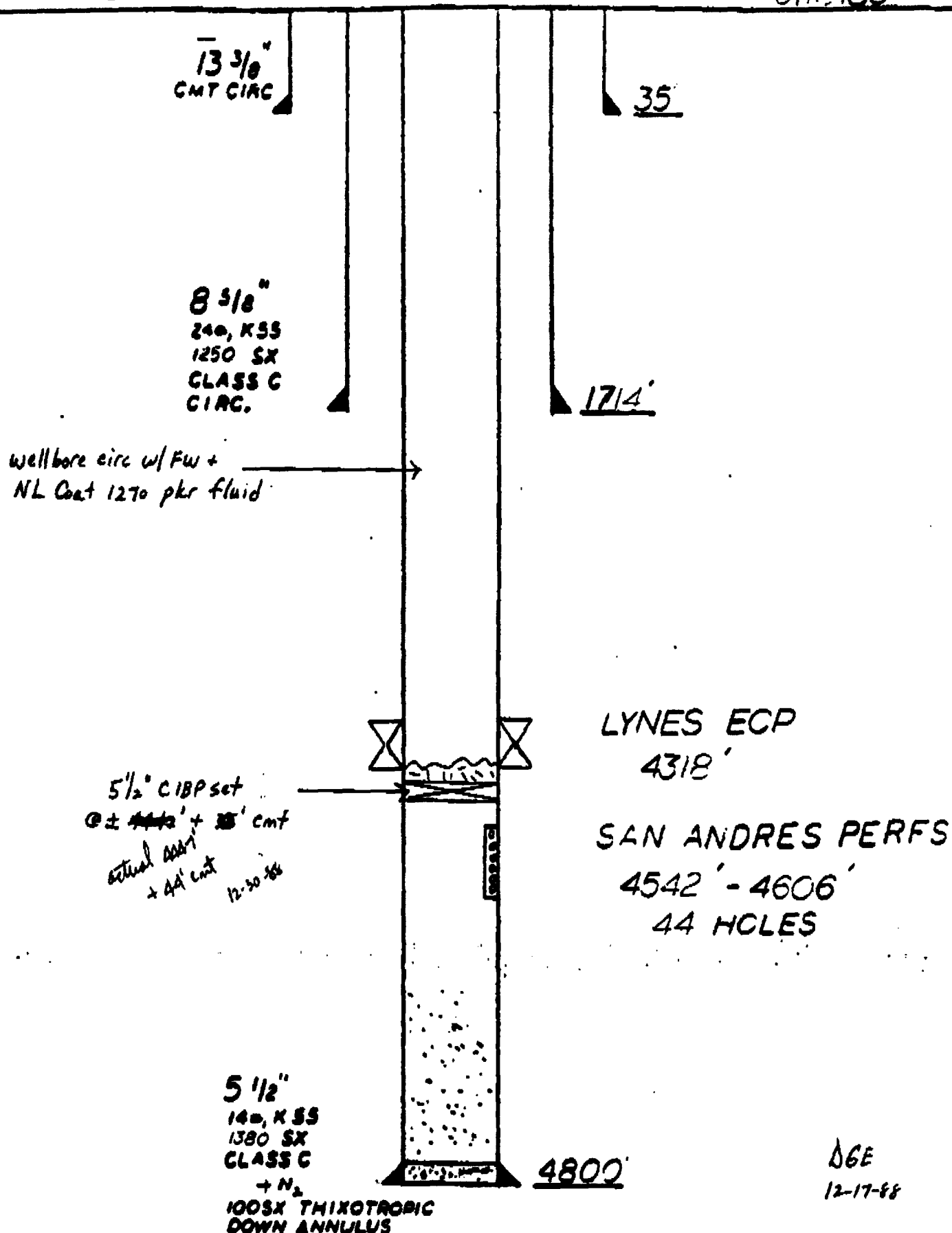


LOCATION: S-14
T-17S
R-34E

BRIDGES STATE #501

KB: 4063'
GL: 4050'

SPUD DATE: 6/10/85



13 3/8"
CMT CIRC

35'

8 5/8"
240, K55
1250 SX
CLASS C
CIRC.

1714'

Wellbore circ w/ FW +
NL Coat 1270 pkr fluid

LYNES ECP
4318'

5 1/2" CIBP set
@ ± 44' cmt
interval 44'
+ 44' cmt
12-30-88

SAN ANDRES PERFS
4542' - 4606'
44 HOLES

5 1/2"
140, K55
1380 SX
CLASS C
+ N₂
100SX THIXOTROPIC
DOWN ANNULUS

4800'

DGE
12-17-88

BRIDGES STATE 502

LOCATION: S-13
T-17S
R-34E

KB: 4063'
GL: 4050'
SPUD DATE: 6/19/85

13 3/8"
CMT CIRC

35'

8 5/8"
240, K55
1250 SX
CLASS C
CIRC.

~~1200~~ 1664'

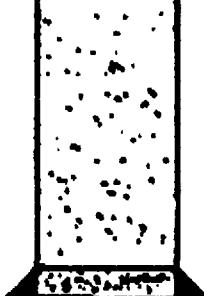


LYNES ECP FKR
4314'

SAN ANDRES PERFS
456C-4596' 25 HOLES

4636-4644' 9 HOLES

5 1/2"
140, K55
1200 SX
CLASS C + N₂



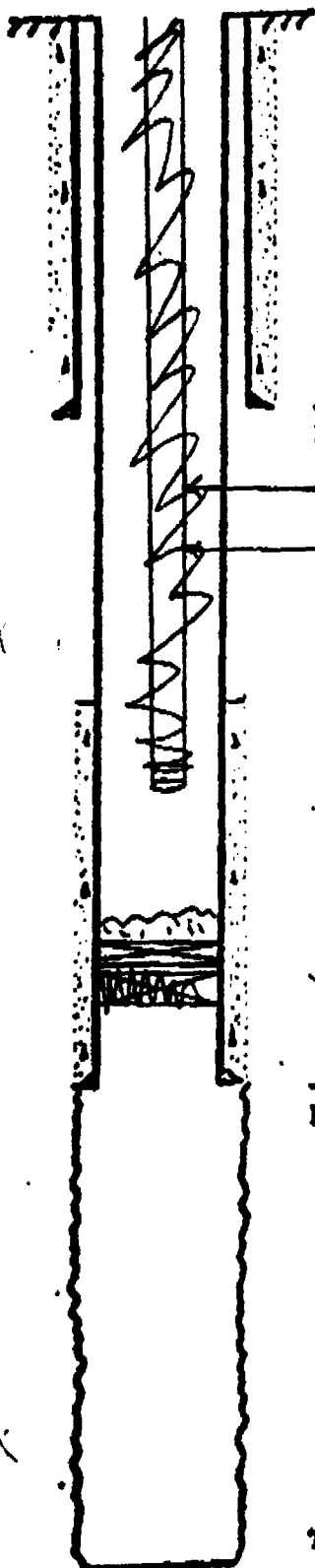
4800'

+ 100 SX PERFORATIONS

FIELD	Vacuum Grbg San Andres	OPERATOR	Mobil Oil Corp	DATE	5-11-76
LEASE	Bridges State	WELL No	18	LOCATION	F-21-17S-34E

PROPOSED WELL SKETCH

GL
KB (est): 12' A1



10³/₄ " casing set at 817 ' with 320 ex of _____ cement
Hole size 12¹/₄ "

~~Left 129 ft 2⁷/₈" Hy. setting lost in wellbore (Hy. not tested)~~

Fresh water + phr fluid

2,750' Calculated Cmt Top

4310'

7" Elder Hydro-Set CIBP @ ~~4276'~~ + 35' cmt

~~CIBP set @ 4299' + 35' cmt (actual 4276') did not hold pressure~~

7 " casing set at 4393 ' with 225 ex of _____ cement
Hole size 8³/₄ "

Total Depth 4,700 '

~~DGE~~
12/1-88

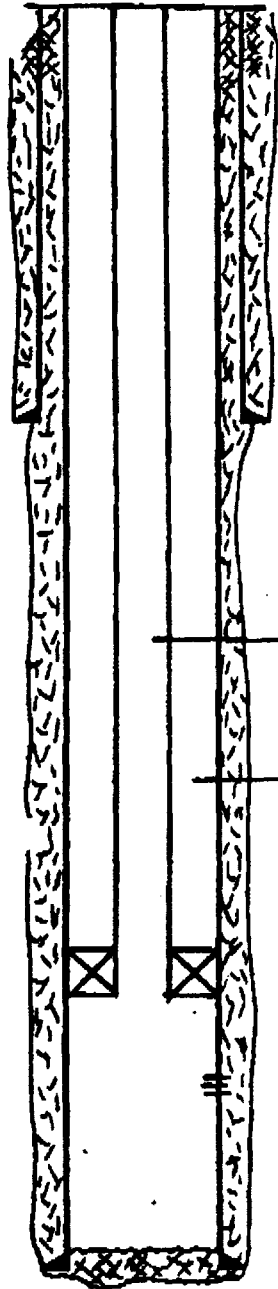
DGE
12-16-88

SIGNED A. G. Elwood

PRESENT

BRIDGES STATE #127 WW

BS
127



1605' 8 7/8" 32# CS6 700 SX INCOR 4% GEL + 100 SX INCOR NEAT W/ 2% CaCl2. CIRC.

KA JTS. 2 7/8" - 8RD DUOLINED TBG

75 BI FRESH WATER W/ 50 GAL CHAMPION AD-54

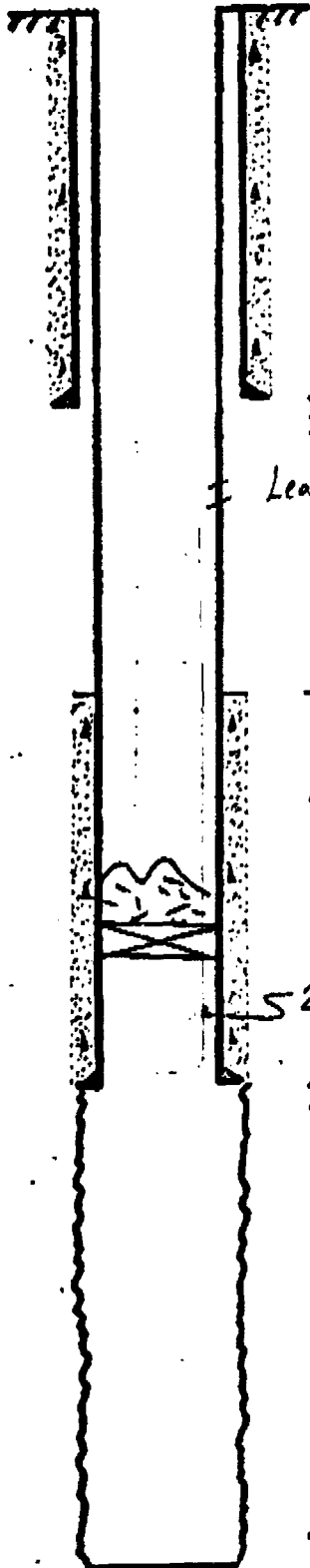
4407' GUIB UNI-PACKER I (SHORTY TENSION) SET W/ 11 PTS

G/SA PERFS 4484, 92, 94, 96, 98, 4500, 03, 05, 08, 12, 16, 20, 23, 29, 4532, 36, 39, 57, 59 + 4735, 38, 75, 76, 79, 80 + 4785 W/ 2 SSPF (52 TOTAL HOLES)

4848' 5 1/2" 15.5# J-55 CS6 W/ 1100 SX TILW 1300 SX INCOR. NEAT. CIRC.

TD 4850'
PBTD 4820'

FIELD <i>Vacuum Grbg San Andres</i>	OPERATOR <i>Mobil Oil Corp</i>	DATE <i>5-14-76</i>
LEASE <i>Bridges State</i>	WELL No <i>19</i>	LOCATION <i>D-24-175-34E</i>



10³/₄ " casing set at 833 ' with 225 sx of _____ cement
 Hole size 12¹/₄ "

Leak @ 2297'

2,700 Calculated Cmt Top

CIBP @ 4200' + 35' cmt

5 2⁷/₈ " Tubing 4,337'

7 " casing set at 4342 ' with 225 sx of _____ cement
 Hole size 8³/₄ "

OH 4342-4700

Total Depth 4,700'

1EW
12-26-89

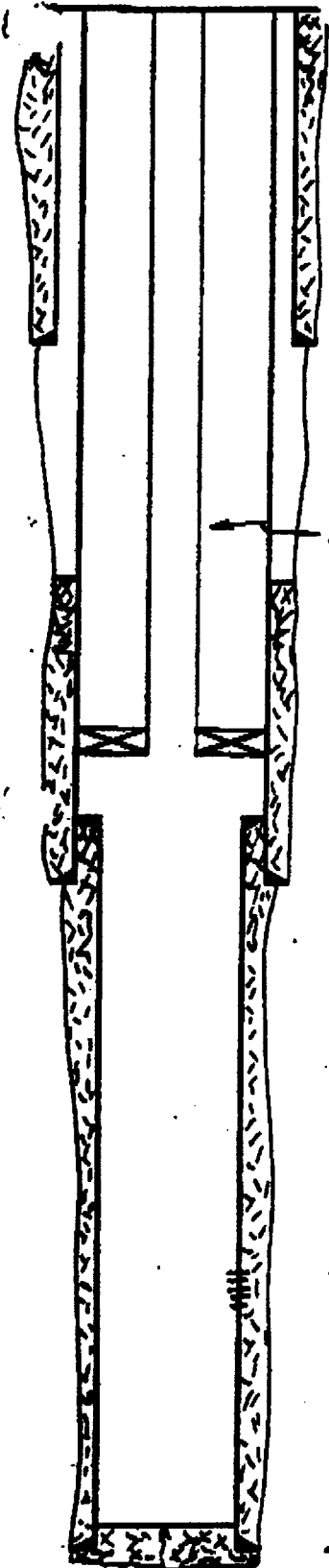
LOCATION E-28-175-546 COUNTY LEA STATE NM GL 4029'

SIGNED D. G. Elwood

DF _____
KB _____
ZERO _____

PRESENT

Bridges State #20 W/W



— 10 1/4" CSS SET @ 832' W/ 220 SX CMT. CIRC.

— 152 JTS OF 2 3/8" CL TDS
— CALL TOG @ 2800'

— 7" BAKER TENSION PER SET @ 4090' W/ 9 PTS T

— TOP OF LNR @ 4144'

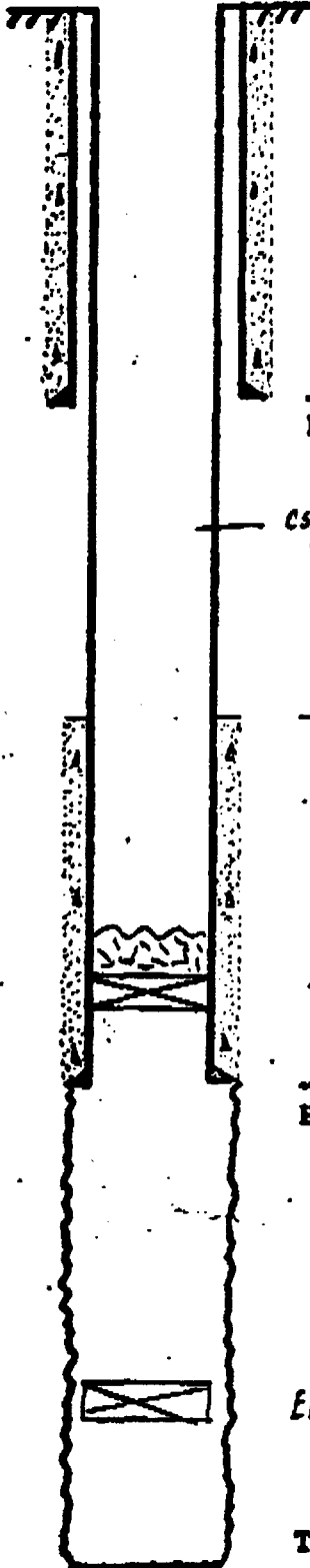
— 7" DIA CSS SET @ 4350' W/ 220 SX CMT.

— G/SA PERFS: 4536-46', 73-76', 80-82', 91-98' W/ 1.5" (51 HOLS)

— 5", 15#, J-55 LNR SET @ 4680' W/ 400 SX CLASS C NEAT W/ 0.3% CAP-2
+ 1/2" FLOCULE/SX. CMT CIRC

TO 4690'
PSTO 4675'

FIELD <i>Vacuum Grbg San Andres</i>	OPERATOR <i>Mobil Oil Corp</i>	DATE <i>5-14-76</i>
LEASE <i>Bridges State</i>	WELL No <i>23</i>	LOCATION <i>L-24-17S-34E</i>



10 3/4 " casing set at 835 ' with 220 sx of _____ cement
 Hole size 12 1/4 " *Enough to circ*

csq circ w/ 200 bbls FW + 110 gal NL 1270 per fluid

2680 ' Calculated Cmt Top

7 " CIBP set @ 4230 ' + 35 ' cmt DONE

7 " casing set at 4330 ' with 225 sx of _____ cement
 Hole size 8 3/4 "

Elder CIBP junked

Total Depth 4700 '

1(-u)

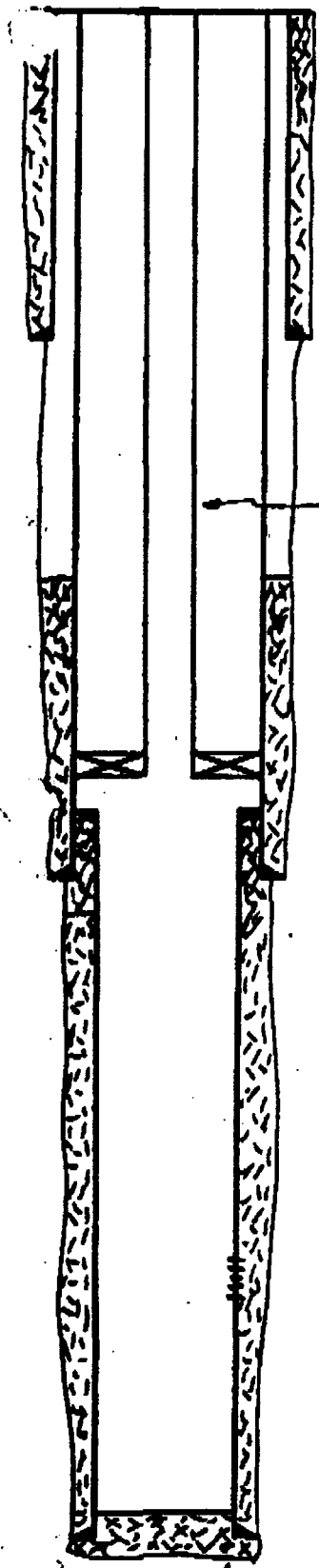
LOCATION H-13-175-34E COUNTY LEA STATE NM GL 4021'

SIGNED D. G. Elwood

DF _____
 KB _____
 ZERO _____

PRESENT

Bridges State # 24 win



— 10 3/4", 35.75# CSG SET @ 628' w/ 220 SX CMT. CIRC.

— 132 JTS 2 1/8" CL TBS

— CMC TOL @ 2000'

— 7" BAKER ADI SET @ 4091' w/ 8 PTS T

— TOP OF LNR 4149'

— 7", 24# CSG SET @ 4344' w/ 220 SX CMT.

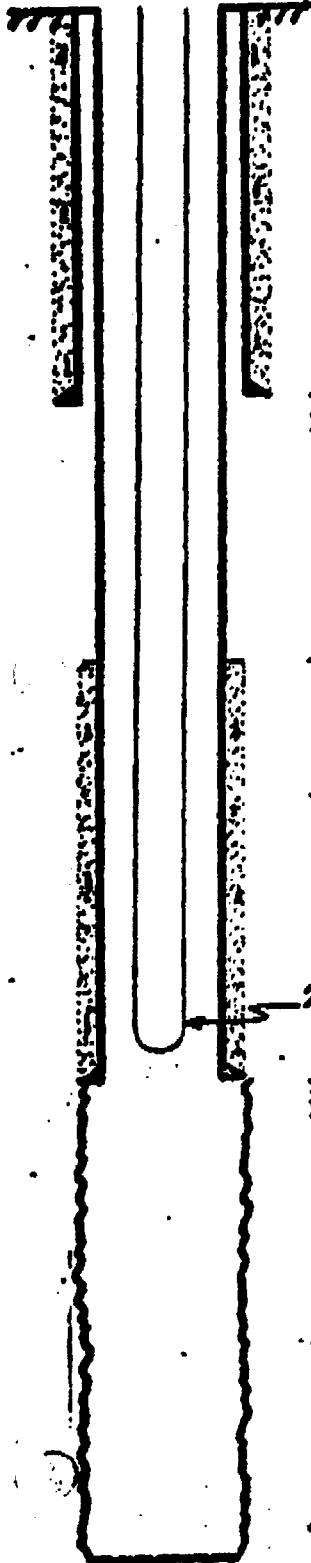
— G/SA PERFS: 4569, 71, 73, 75, 77, 79, 81, 83, 85, 87, 4602 (04 w/ 1 JSTF (12 HOURS))

— 5", 15# LNR SET @ 4693' w/ 300 SX CLASS C w/ 0.03% CFR-Z.

Cmt Circ

TO 4700'
 PBD

FIELD <i>Vacuum Grba San Antonio</i>	OPERATOR <i>Mobil Oil Corp</i>	DATE <i>5-19-76</i>
LEASE <i>Bridges State</i>	WELL No. <i>54</i>	LOCATION <i>P-14-17S-34E</i>



10 3/4 " casing set at 830 ' with 250 sx of NA cement
Hole size 12 1/4 "

2730 ' Calculated Cmt Top

2 7/8 " tubing 4325 '

7 " casing set at 4330 ' with 220 sx of NA cement
Hole size 8 3/4 "

Total Depth 4660 '

16W

FIELD	Vacuum Glorieta	OPERATOR	Mobil Oil Corp	DATE	5-12-76
LEASE	Bridges State	WELL No	173	LOCATION	E-24-17S-34E



24# J-55
8 5/8" casing set at 1625' with 800 sx of class A Neat cement
 Hole size 12 1/4" class A 62 gal +
cement circ.

— 5922' Guib tbg. anchor
 Glorieta Perfs 6,195'-6,033' Squeezed w/200 sx

Glorieta Perfs 6,095'-6,133'
 — 6,169' 2 3/4" tbg.

— 6,204' PSTD
5 1/2" casing set at 6225' with 2400 sx of Lite-White + cement
 Total Depth 6225' Hole size 7 7/8" Incor Neat
cement circ.

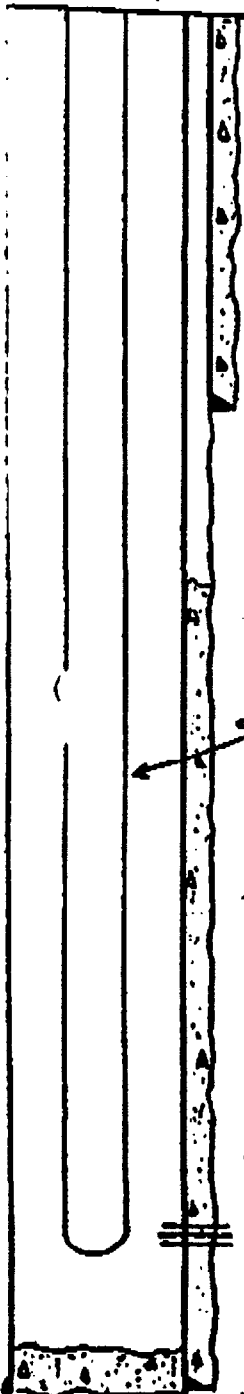
15.5#, 14# J-55

DATE 5-8-86 WELL NO. 114 LEASE BRIDGES STATE FIELD VACUUM GIOBLETA

LOCATION K-24-175-34E SIGNED J. A. CURRY
1880' FSL + 1980' FWL

G.L. 4000
D.F. 4016
K.B. 4017
ZERO G.L.

PROPOSED



8 5/8" - 24" CSC SET @ 1640' w/ 600 SK CLASS A CMT + 6% CEL + 100 SK
CLASS A NEAT. CIRC.
1 1/4" HOLES

TOC @ 2300' (T.S.)

← 2 3/8" J-55 BRN EDE t_b TO 6133'

SD @ 6129'

6089-6139 22 holes (6073-81 136PF 8-6-86)
GIOBLETA PERFS: 6073; 74; 75; 76; 77; 78; 79; 80; 81; 82; 83; 84; 85; 86; 87 w/ 1 JS PF 14 in
6089; 91; 93; 95; 97; 99; 6101; 03; 05; 07; 10; 15; 17; 19; 21; 24; 26; 31;
33; 35; 37; + 6139 w/ 1 JS PF + 22 HOLES.

5/8" 15.5" + 14.0" J-55 CSC @ 6210' w/ 2200 SK.

T.A. - 6210'
B. - 6179'

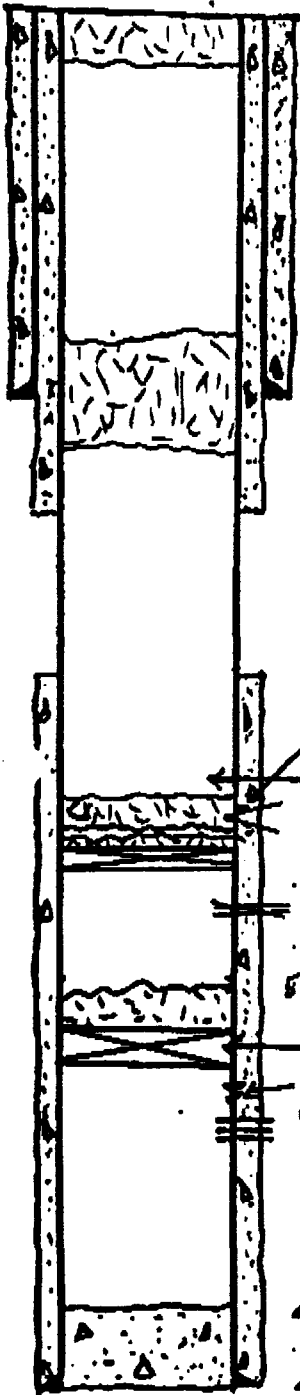
LOCATION A-23-175-34E
1310FNL 1310FEL

SIGNED D. G. Elwood

G.L. _____
D.F. _____
K.B. _____
ZERO 14' AGL

Bridges State # 189

P&A'd 1-89



10 sks surface cmt plug

BRACEDHEAD SQE w/ 400 SX CL. C + 2% CaCl₂

25 sks cmt plug 496-202'

357' 8 3/8" 24" K-55 ST+C CSG w/ 250 SX CL. C + 2% CaCl₂ +
1/4" FLOCCULE/SX (CMT CIRC.)

585' Bottom of CMT (TEMP SURVEY)

TOC 1030' (TEMP SURVEY)

30 sks cmt plug 2215-1948'

wellbore circ w/ FW + NL Coat 1270 pkr fluid

C₂ leak loc 2051-2066'

CIBP set @ 3542' + 64 sks cmt cap

squeeze holes @ 4140', Squeezed w/ 50 sks

5 1/2" Elder Hydro Set

CIBP set @ ± 4398' + 44' cmt DGE 12-30-88

Tight spot in C₂ @ 4406-09'

GARYBURG - SAN ANTONIO PERFS
4542 - 4546 1 SSPF 5 HOLES
4572 - 4590 1 SSPF 19 HOLES

4741' PBTD

4750' 5 1/2" 14" K-55 ST+C CSG w/ 2200 SX CL. C CMT

TD-4750'

Mobil P&A'd: 1-21-89

DGE
7-6-88

LOCATION A23-T175-R34E

SIGNED ME. VASICEK

G.L. _____

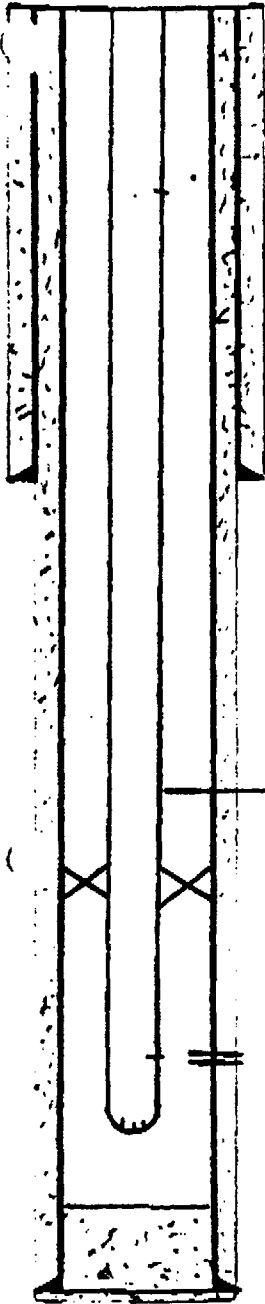
D.F. _____

K.B. _____

ZERO _____

BS 190

Bridges State # 190



— 12 1/4" HOLE

— 8 9/8" - 24# K55 CSG SET @ 1700' w/ 1600 SX CIRC

— 7 7/8" HOLE

— 112 JTS 2 7/8 TBG + GUIB TAG @ 4410' + 8 JTS 2 7/8 TBG + 2 7/8" SN @ 4653 + 2 3/8" SN @ 4654 + PERFSUB + OPMA @ 4659-89

— S.A. PERFS 4534-39, 43-61, 65-74 w/ 17SPF (26 HOLES)

— P B TD 4707

— 5 1/2" - 14# K55 ST+C CSG SET @ 4750' w/ 2400 SX CIRC

TD 4750

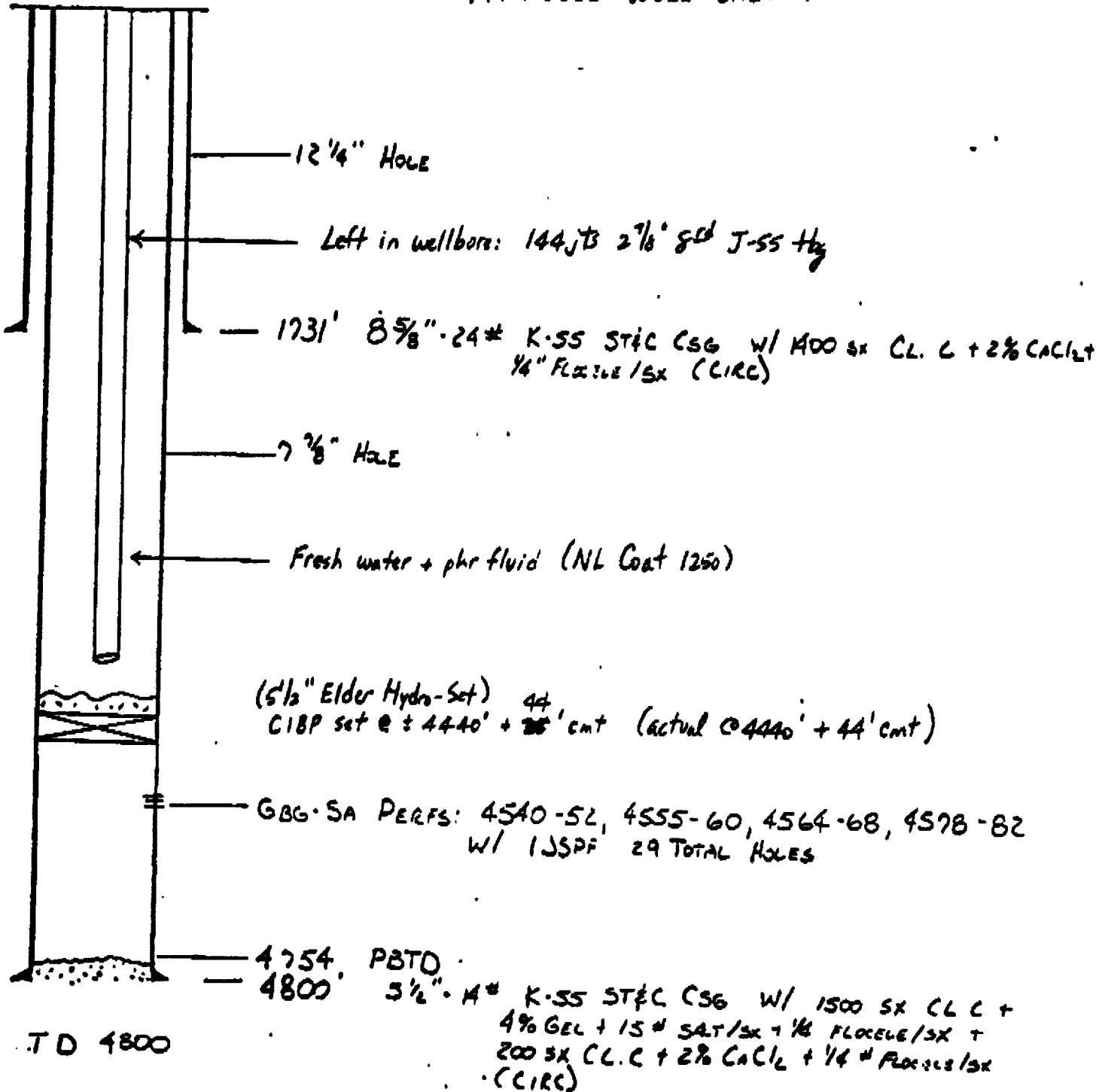
DATE 3-5-85 WELL NO. 191 LEASE BRIDGES STATE FIELD VAN WYK (230-SA)

LOCATION H-23 T-17S, R-4E COUNTY LFA STATE NEW MEXICO

SIGNED D.G. Elwood

GL 402
DF 403
KB 423
ZERO 14'0

PROPOSED WELL SKETCH



~~DGE~~ DGE
12-1-88 12-16-88

07/10/90

08:51

MPTM-MONAHAN-KJN

NU. 003

032 M. GRAY BUNG - SAN AN

JN 11-23 T-175 R-44E

COUNTY LEA

STATE NEW MEXICO

GL 4025

2630 FNL, 1310 FEL

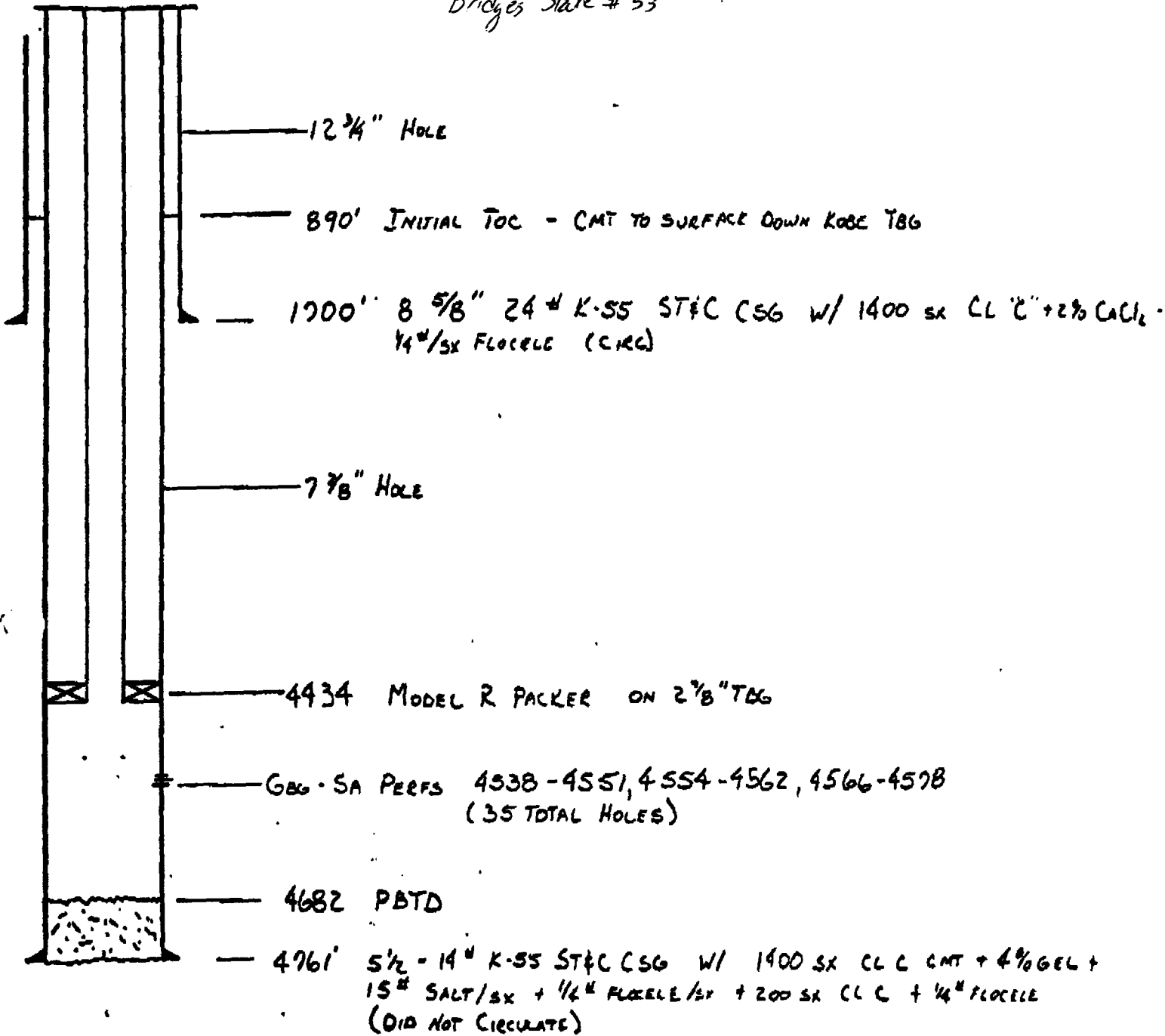
SIGNED W L REEVES

DF 4039

KB 403A

ZERO 13' AGL

Bridges State # 53



BRIDGES STATE 500

LOCATION: S-23
T-17S
R-34E

KB: 4063'
GL: 4050'

SPUD DATE: 5/31/85

13 3/8"
CMT CIRC

35

8 5/8"
240, K55
1250 SX
CLASS C
CIRC.

1700'



LYNES ECP
4340'

SAN ANDRES PERFS
4533' - 4586'
37 HOLES

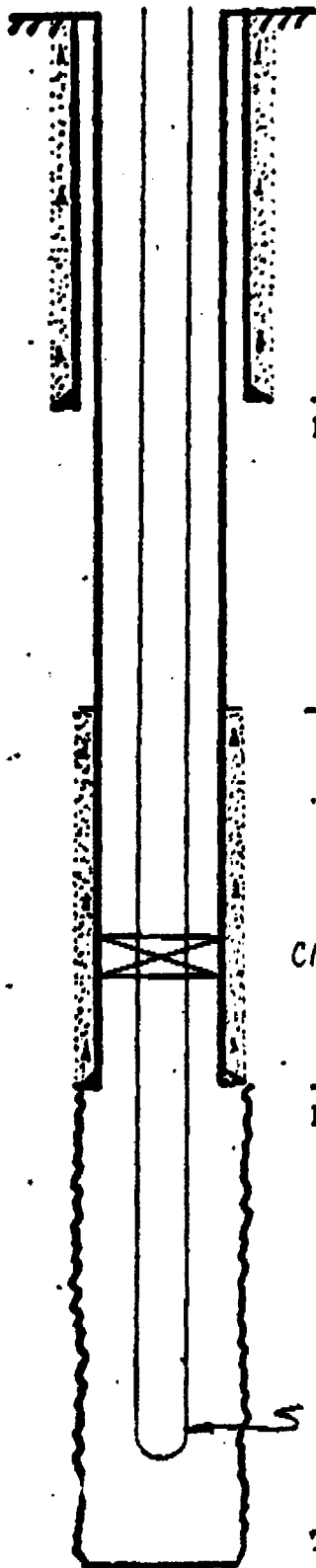
5 1/2"
140, K55
1430' SX
CLASS C
+ N₂

100SX THIXOTROPIC
DOWN ANNULUS

4800'



FIELD <i>Vacuum Grb San Andres</i>	OPERATOR <i>Mobil Oil Corp</i>	DATE <i>5-19-76</i>
LEASE <i>Bridges State</i>	WELL No <i>9</i>	LOCATION <i>N-13-175-34E</i>



10³/₄ " casing set at 805 ' with 217 sx of _____ cement
 Hole size 12¹/₄ "

2,825 ' Calculated Cmt Top

CIBPC 4343', Pool w/ty

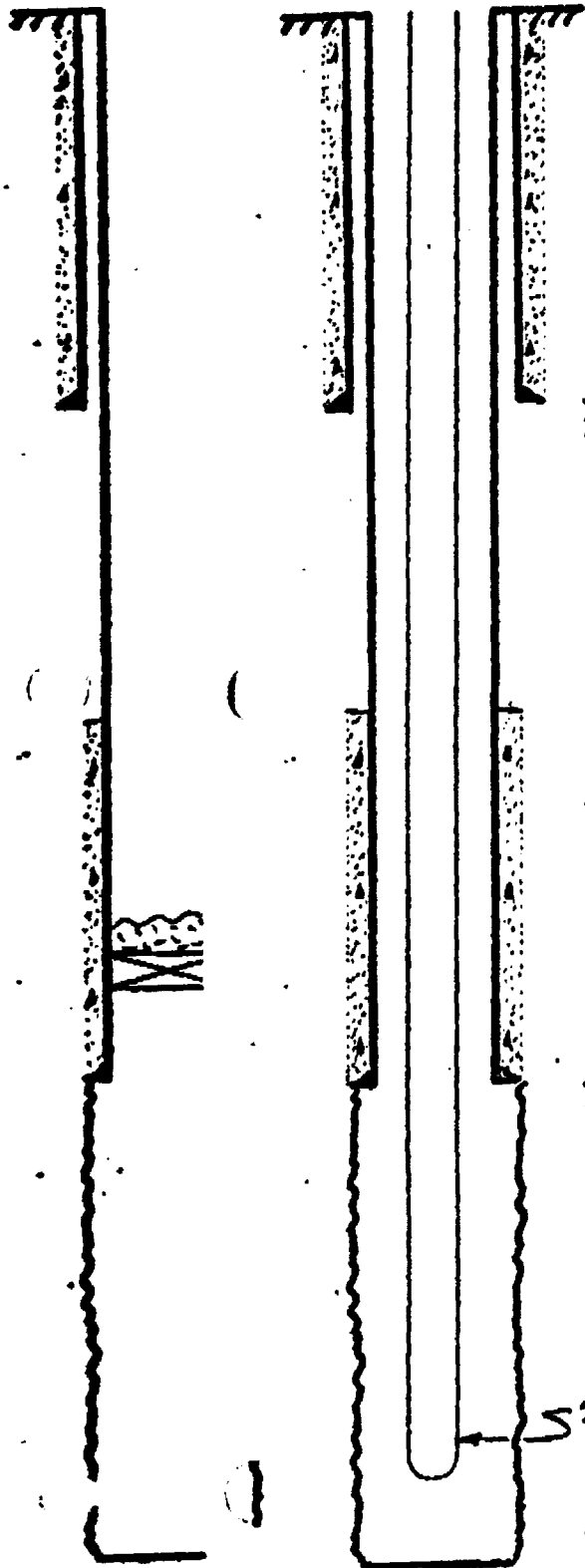
7 " casing set at 4380 ' with 214 sx of _____ cement
 Hole size 8³/₄ "

2⁷/₈ " tubing 4,476 '

Total Depth 4682 '

FIELD
Vac.
LEASE
Br

FIELD <i>Vacuum Grbg San Andres</i>	OPERATOR <i>Mobil Oil Corp</i>	DATE <i>E</i>
LEASE <i>Bridges State</i>	WELL No <i>22</i>	LOCATION <i>N-24-175-</i>



10^{3/4} " casing set at 328 ' with 220 sx of
Hole size 12^{1/4} " *Enough to circ*

2670 ' Calculated Cmt Top

7 " casing set at 4278 ' with 220 sx of
Hole size 8^{3/4} "

5^{1/2} " Tubing

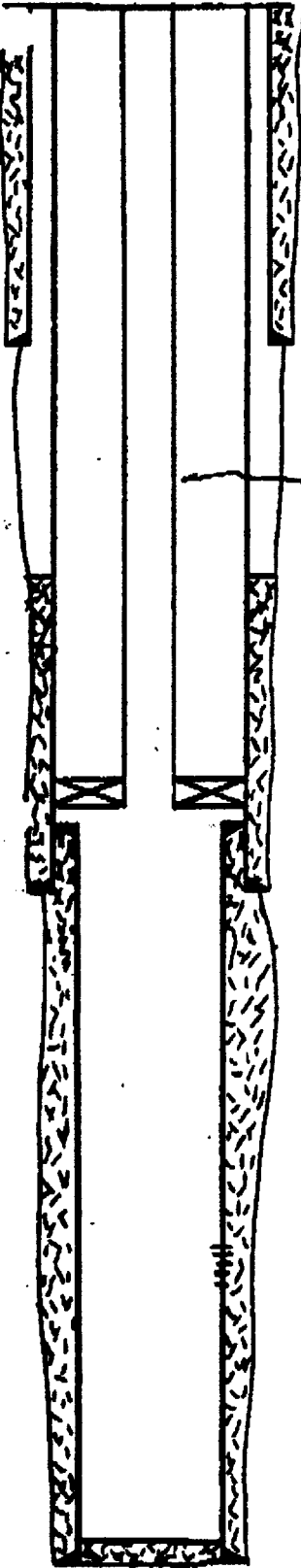
Total Depth 4700 '

DATE 4-12-89 WELL NO. 43 W/W LEASE BRIDGES STATE FIELD VACUNA S/SA
 LOCATION S-23-175-34E COUNTY LRA STATE NM GL 4053'

SIGNED D. G. Elwood

DF _____
 KB _____
 ZERO _____

PRESENT



— 10 3/4" 35.75# C56 SET @ 824' W/ 250 SX CMT CIRC.

— 130 JTS OF 2 1/8" CL TBS

— TDC @ 2340' (TEMP SURVEY)

— 7" JOHNSON TENSION PKR SET @ 4035' W/ 9 FTS T

— TOP OF LWR @ 4058'

— 7" 22# C56 SET @ 4200' W/ 210 SX CMT

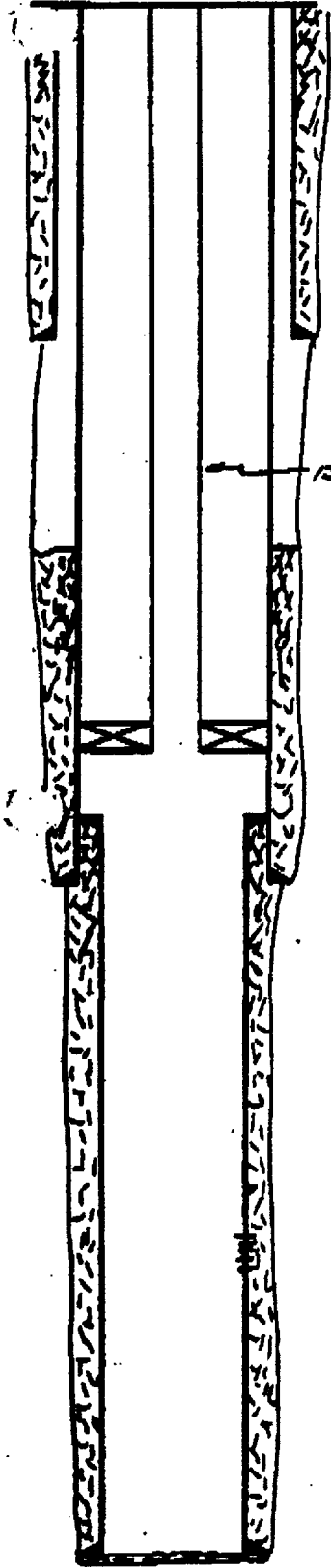
— C/SA PERFS: 4524, 26, 28, 32, 34, 38, 40, 42, 44, 46, 48, 53, 55, 57, 62, 64, 66, 69, 72, 74, 76 & 78 W/ 1 JS75 (22 HOLES)

— 5" 15# K-55 LWR SET @ 4735' W/ 400 SX CLASS C W/ 0.03% DS1#
 1/8" CELLOPLANE/SX. , LEV OUT 42 SKS

TD 4735'
 RTD 4704'

DATE 07/10/90 4-12-87 WELL NO. 476111 LEASE BRIDGES STATE FIELD VACUUM 6/5A
 LOCATION K-29-175-24E COUNTY LBA STATE NM GL 4018'
 SIGNED D.G. Elwood DF _____
 KB _____
 ZERO _____

PRESENT



— 10 7/8" CSG SET @ 821' w/ 2605K CMT. CIRC.

— 132 JTS OF 2 7/8" CL TUB

— CALC TOC @ 8845'

— 7" GUB TENSION PER SET @ 9060' w/ 9 PPS T

— TOP OF LNR @ 4139'

— 7 1/2" CSG SET @ 4320' w/ 2105K CMT.

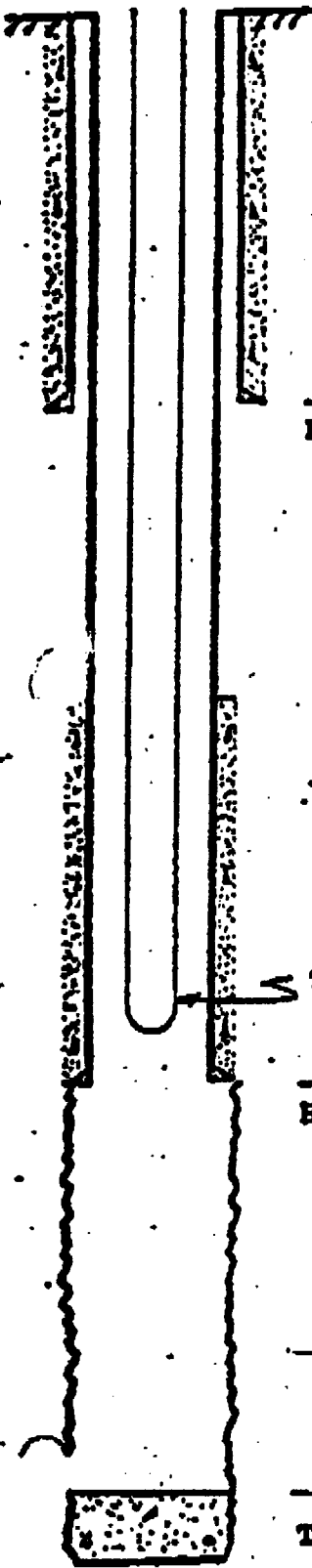
— G/SA PERFS: 4520, 22, 24, 26, 28, 30, 32, 34, 36, 38, 40, 42, 44, 46, 48, 50, 54, 56, 58, 60, 64, 66, 68, 70, 72 (74 w/ 1 JSPR (26 HOLES))

(K-55)

— 5" 15# LNR SET @ 4679' w/ 4005K CLASS H w/ 0.03% D66 + 1/8" ORLOPLANS/SX. Cmt circ

TD 4680'
POTD 4679'

FIELD <i>Vacuum Grba San Andres</i>	OPERATOR <i>Mobil Oil Corp</i>	DATE <i>5-19-76</i>
LEASE <i>Bridges State</i>	WELL No <i>53</i>	LOCATION <i>H-23-17S-34E</i>



10³/₄ " casing set at 817 ' with 227 sx of _____ cement
Hole size 12¹/₄ "

2,715 ' Calculated Cmt Top

← 2⁷/₈ " tubing 4,230'

7 " casing set at 4280 ' with 217 sx of _____ cement
Hole size 8³/₄ "

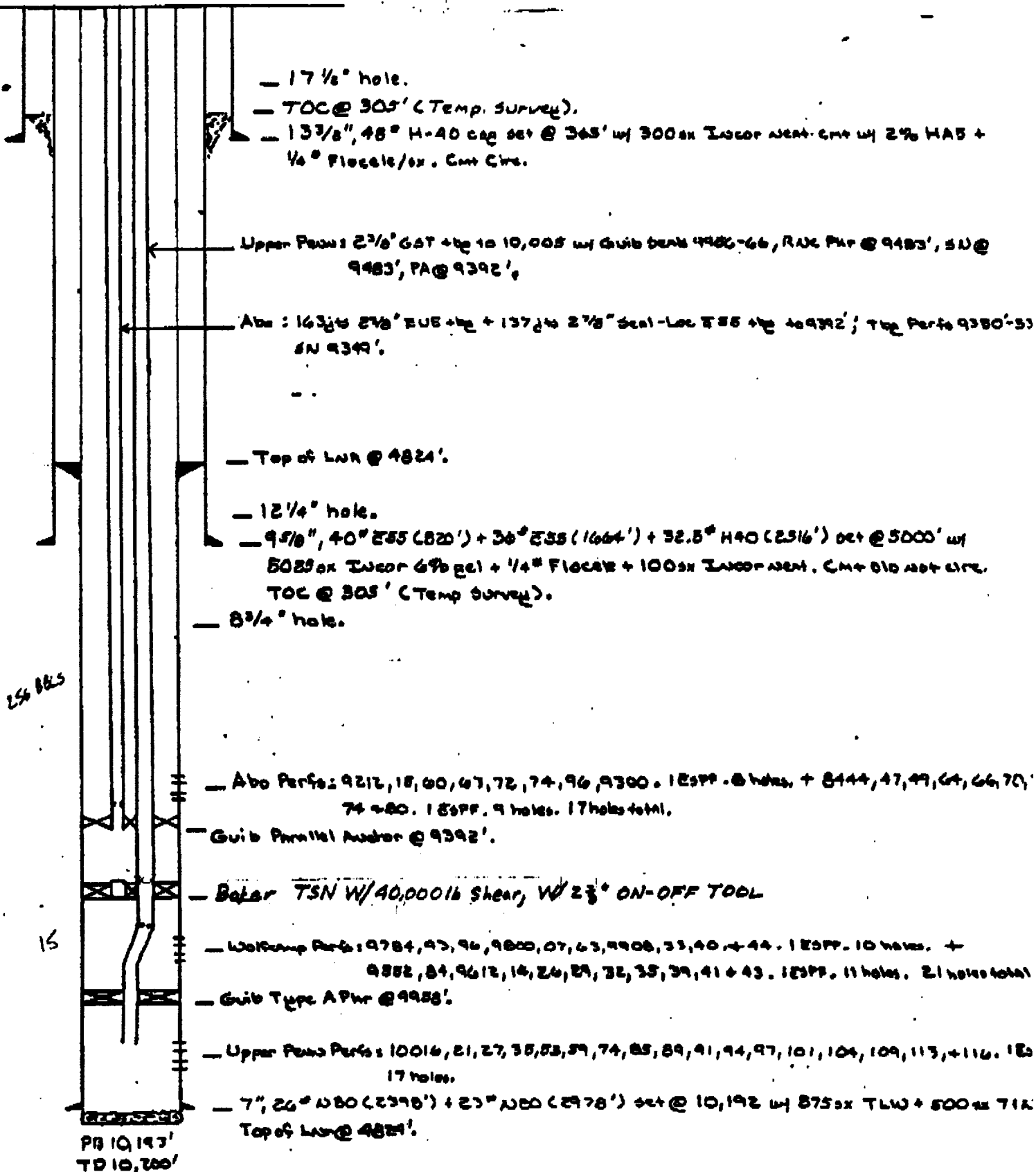
4,620 ' P.B.T.D.
Total Depth 4,55 '

1EW

LOCATION B-25-175-34E

SIGNED M.W. DEER

G.L. 3998'
 D.F. 4008'
 K.B. 4009'
 ZERO 11' AGL

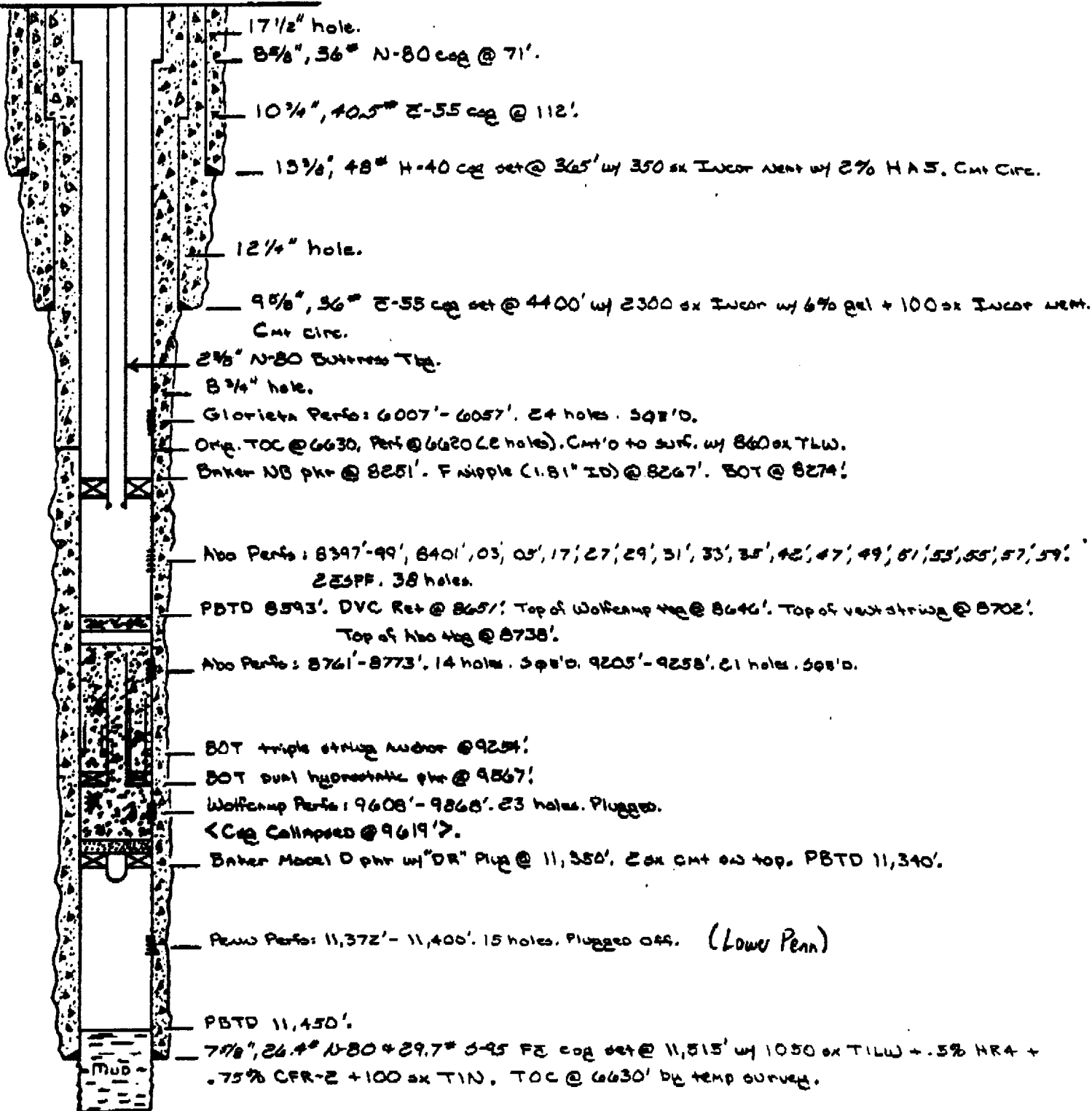


DATE 3-30-88 WELL NO. 96 LEASE No. VACUUM Abo Unit FIELD VACUUM Abo North

LOCATION H-24-175-34 E
1980' FNL AND 510' FEL
Len County, New Mexico

SIGNED D. G. Elwood

G.L. 4013'
D.F. 4030'
K.B. 4031'
ZERO 18' AG



TD 12,390'

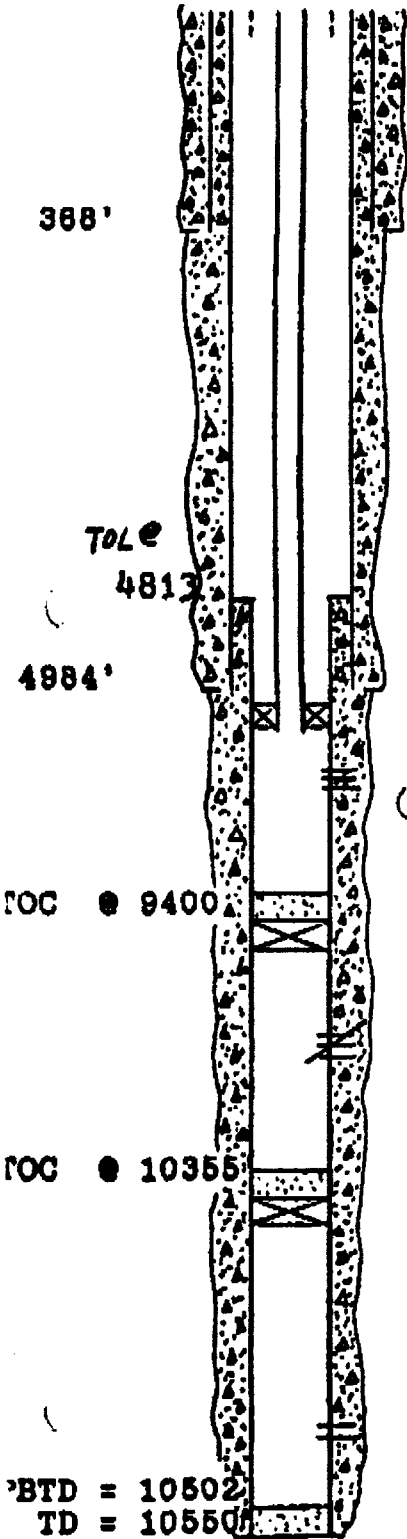
NORTH VACUUM ABO UNIT # 121

VACUUM ABO NORTH FIELD

DATE: 3-30-88

D.G. Elwood

GL = 4020
DF = 4032
KB = 4034
13-T178-R34E



13 3/8", 48 #, H-40 CSG
SET @ 388' W/ 325 SX CMT
CMT CIRC.

9 5/8", 40 & 36 #, J-55 CSG,
SET @ 4984', W/ 2400 SX CMT, CMT CIRC.

267 JTS
2 3/8" TBG
7" OTIS PERMANENT PKR @ 8400'

ABO PERFS:
(28-43) 8485-87, 89-94, 8517-19, 21-26, 29, 30,
W/ 1 JSPF - 20 HOLES
NEW ABO PERFS: 8496, 97, 98, 8513, 14, 31, 32, 33,
(41, 42, 43, 97, 98, 99, 8600, 2 JSPF, 30 HOLES
● 9425, CIBP

UPPER PENN PERFS:
10108, 10, 23-25, 41-43, 49-51, 63-65, 63-85,
W/ 1JSPF, 17 HOLES, SQZD W/ 140 SX.

● 10380', GUIB TYPE "A" PERM PKR AND PLUG.

*4-84 added Abo: 8481-83,
8613-17 JSPF*

MIDDLE PENN PERFS: 10436-10474, W/ 1JSPF-20 HOLES
7", 23#, S-45 & N-80 LINER, SET W/ 1000 SX

● BTD = 10502
● TD = 10550

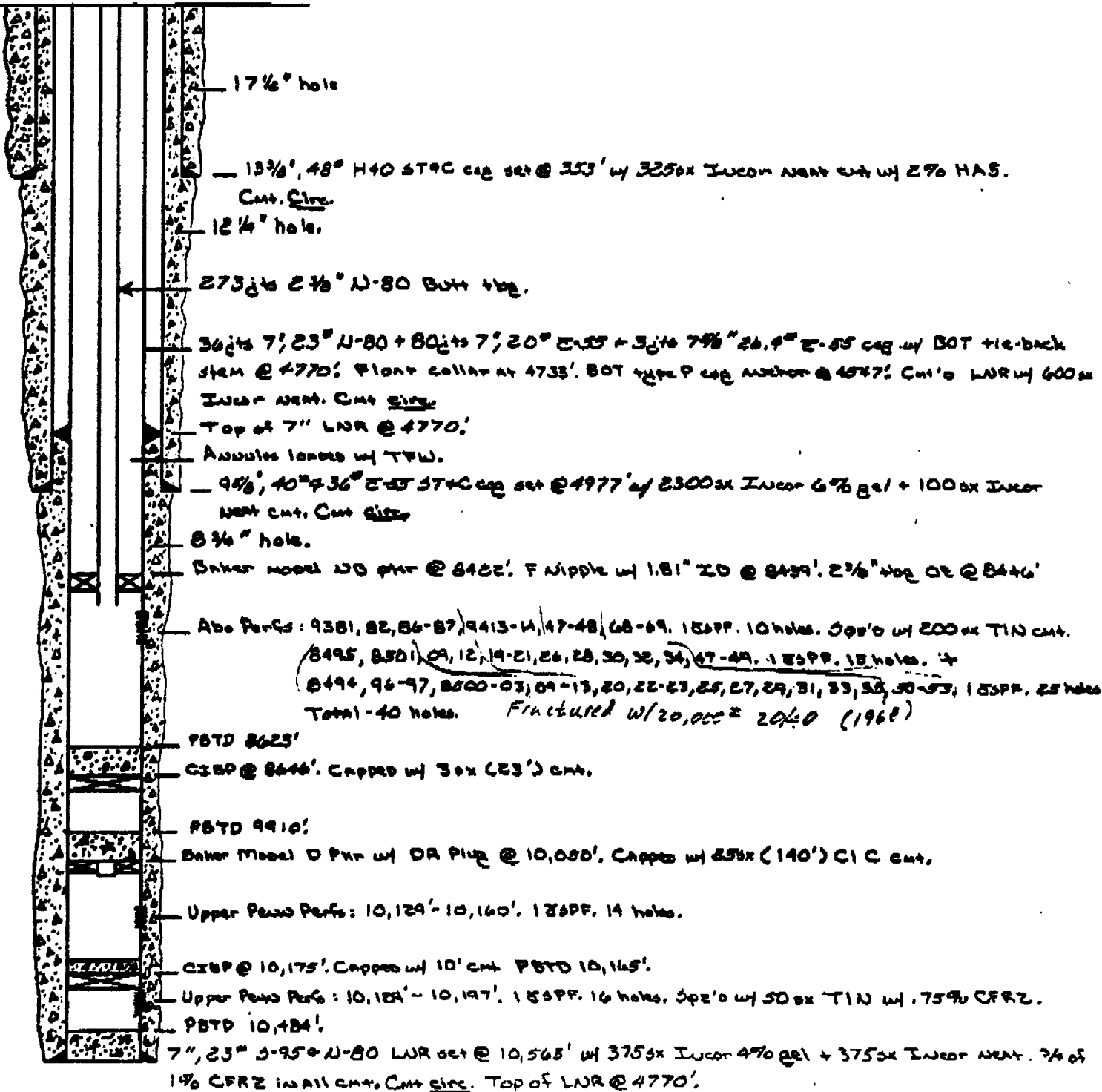
DATE 3-30-88 WELL NO. 124 LEASE No. VACUUM Abo Unit FIELD Vacuum Abo North

LOCATION P-14-175-34 E

SIGNED D. G. Elwood

G.L. 4011'
D.F. 402A'
K.B. 4025'
ZERO 14' AGL

600' FSL AND 460' FEL
Lea County, New Mexico



LOCATION 660' FWL & 860' FWL

SIGNED D. G. Elwood

G.L. 4020'

D.F. 4048'

K.B. 4049'

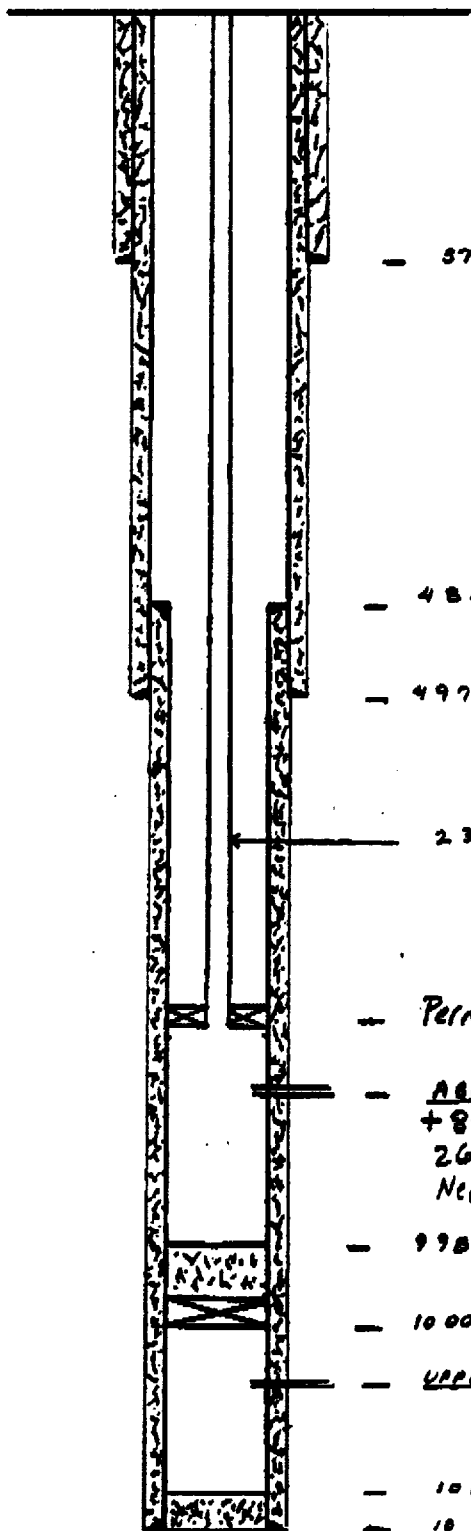
ZERD 29' AGL

Unit D Sec 24 T17S R 34E

Lea County, New Mexico

PRESENT

North Vacuum Abn Unit #204



- 370' 12 3/8" 48# N-40 CS6 SET W/ 350 S₂ CMT SIRC

- 4813' LINER TOP 3QED W/ 100 S₂ CMT

- 4975' 9 5/8" 36# J-55 CS4 SET W/ 2400 S₂ CMT CIRC

2 3/8" T&G + TA + SN (Ø 8598) + PERF SUB + OPMA (Ø 8631)

- Permanent Pk Ø 8433'

- AGD PERFS 84-8487-89, 85^{10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29} 8597 (11 HOLES)
+ 8484'-87', 89'-92', 8510'-23', 8530'-33'. 13SPF.
26 holes. Total 37 holes

New: 8490, 91, 8612, 14, 16, 18, 20, 22, 24, 26, 27, 33, 34, 36 25PF 28 hole.
30 35 37

- 9980' P&TD

- 10000' CIBP

- UPPER PENN PERFS 10091 - 10149 O.A. (19 HOLES)

- 10177' P&TD

- 10359' 7" 23# N-80 LINER SET W/ 1090 S₂ CMT. TOP OF LINER 3QED
CMT CIRC

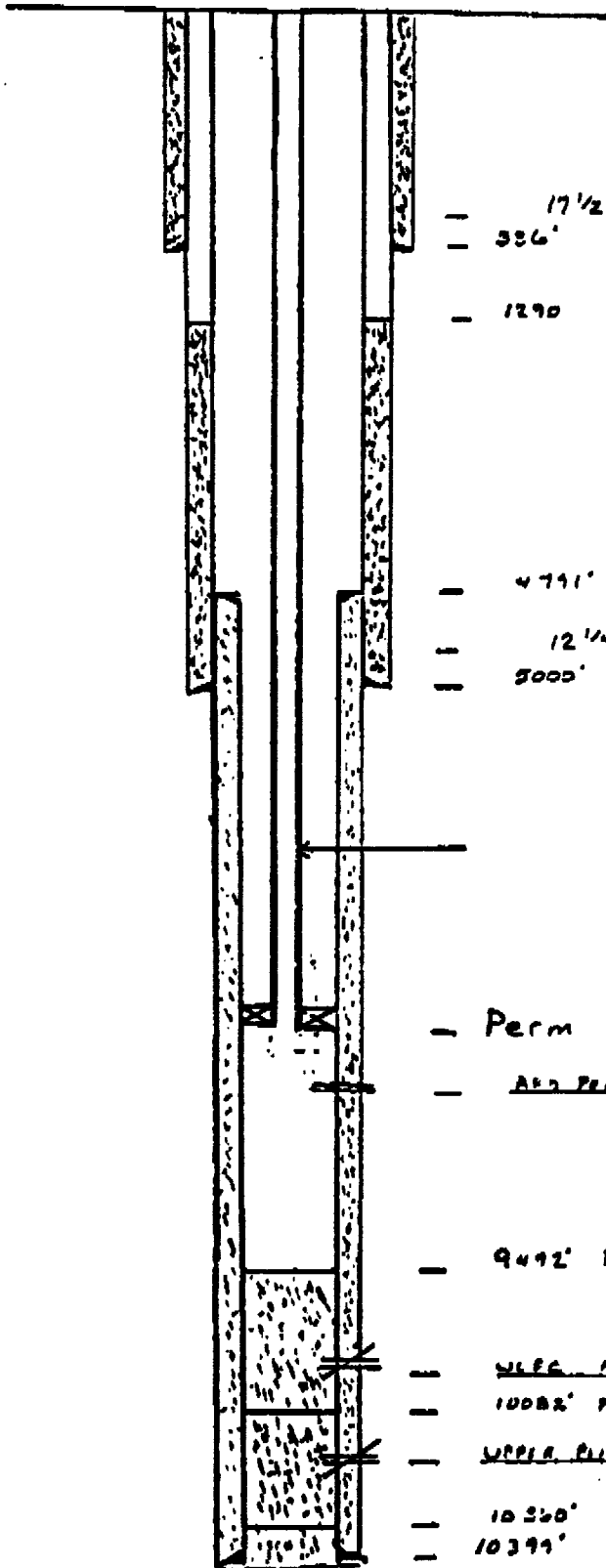
10359' TD

LOCATION B 24 - 7175 - R24E
LEA COUNTY, N.M.

SIGNED D. G. Elwood

G.L. 4017
D.F. 4033
K.B. 4034
ZERO KB
17' ALL

North Vacuum Abs Unit # 205 W/W



PRESENT

- 17 1/2" HOLE
- 326' 17 3/8" C95 SET W/ 350 Sx CMT C105
- 1270' TOP CEMENT (CALC) + temp survey
- 4771' LINER TOP
- 12 1/4" HOLE
- 5000' 9 5/8" 40' 136° J85 C54 SET W/ 2260 Sx
- Perm PKR @ ±8410'
- ALL PERFS W/ 120PS 8523-29, 34, 46-50, 56-60, 65, 70 (20 HOLES)
+ 8502, 04, 07, 8597-8600, 8611, 14, 43, 8655-8660 (30 HOLES)
- 9492' PFTD
- W/LEG PERFS 9671-10014 OA (16 HOLES)
- 10082' PFTD
- UPPER PLUM PERFS 10334-52 OA (10 HOLES)
- 10360' PFTD
- 10399' 7" 25° C95 + N50 LINER SET W/ 900 Sx INNER NEAT C105
8 3/4" HOLE

10401 TD

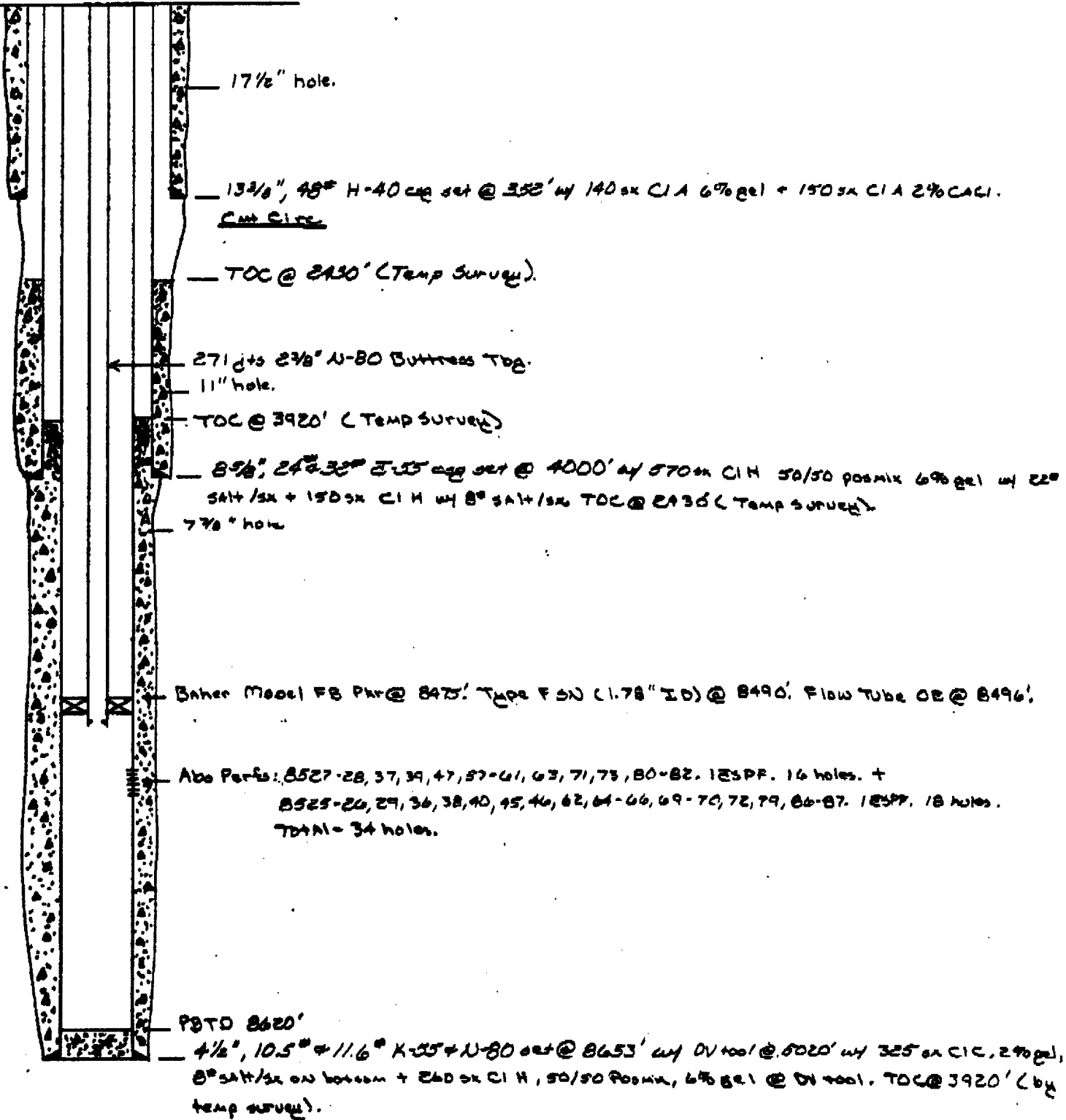
DATE 4-7-88 WELL NO. 207 LEASE NA Vacuum Area Unit FIELD Vacuum Area North

LOCATION H-24-175-34E
421' FNL and 801' FEL
Lea County, New Mexico

SIGNED A. G. Elwood

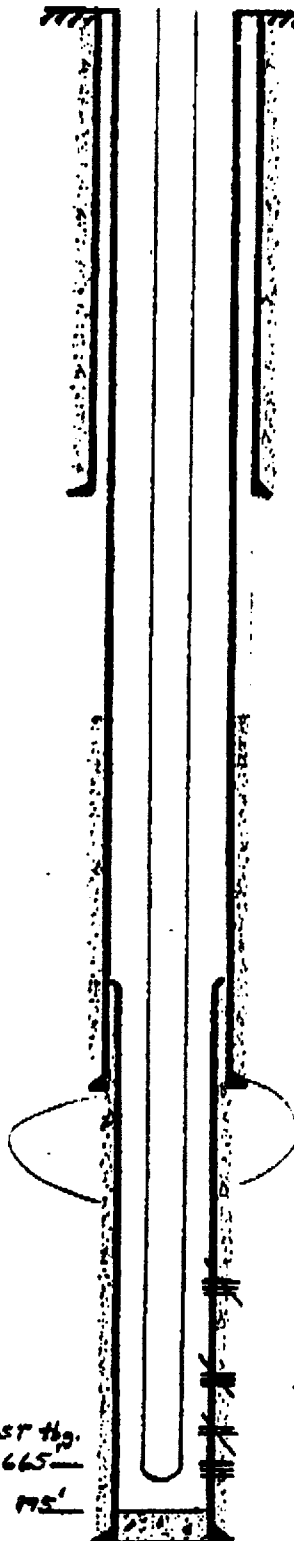
G.L. 4015'
D.F. 4025'
K.B. 4026'
ZERO 11' AGL

PRESENT



TD 8653'

FIELD Vacuum Blinebry	OPERATOR Mobil Oil Corp.	DATE 5-11-76
LEASE Bridges State	WELL No 27	LOCATION H-26-175-34E



10³/₄" casing set at 831 ' with 220 sx of N.A. cement
Hole size 12¹/₄ " cement circ.

2684' cement top. (calc)

4035' Liner top cemented w/100 sx reg. neat cmt.

7" casing set at 4220 ' with 210 sx of N.A. cement
Hole size 8³/₄ "

L. San Andres Perfs 4756'-4798' Squeezed w/200 sx

L. San Andres Perfs {5,078'-5,238'} Squeezed w/460 sx
Glorieta Perfs {5,298'-5,466'} Squeezed w/75 sx
Yeso Perfs 6394'-6,697'

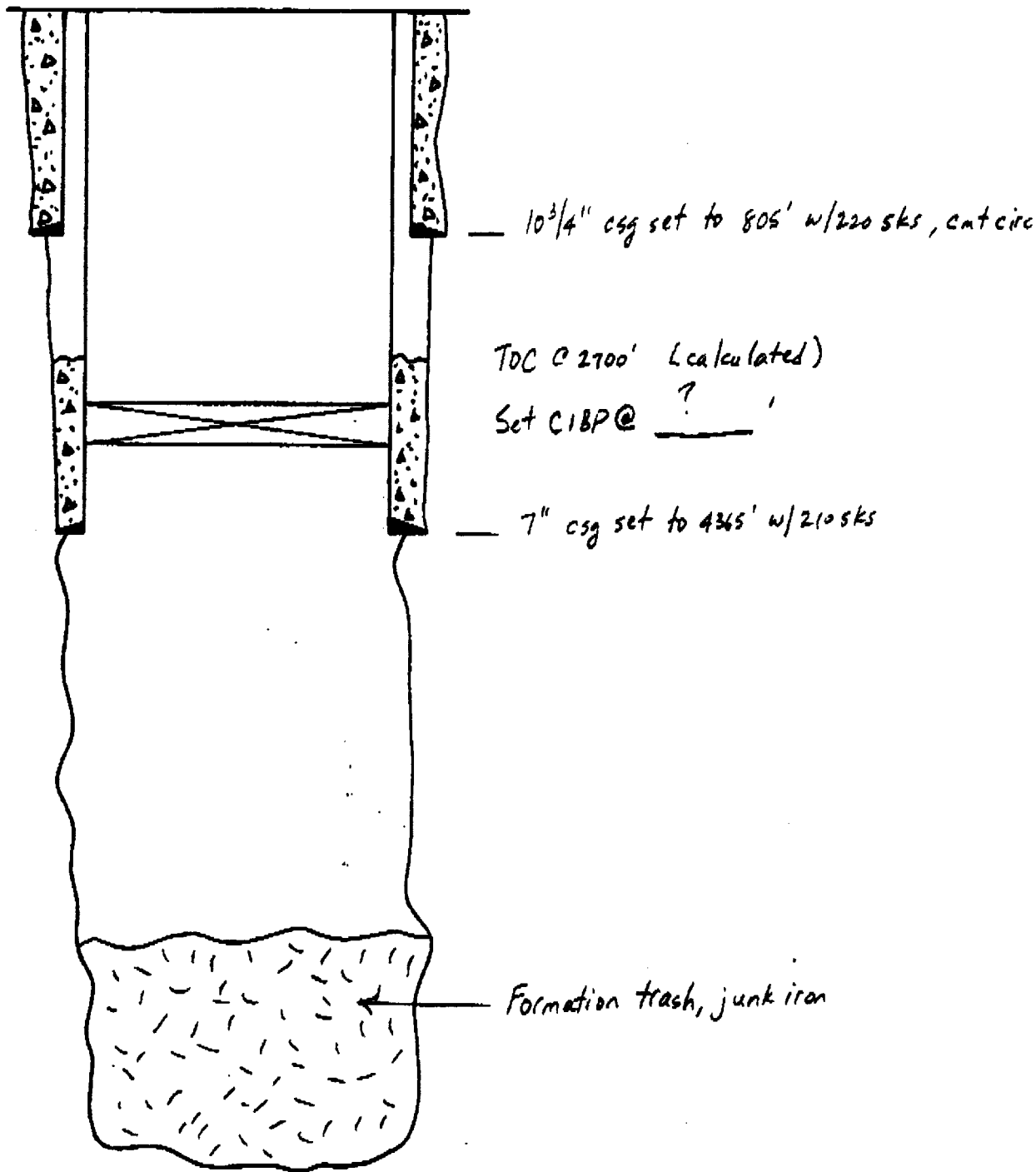
5" liner set at 7000 ' with 275 sx of Tr. Life-Wate cement
Total Depth 7000 ' Hole size 6¹/₈ "

3/4" GST Hg.
1.665'
75'

DATE 4-25-88 WELL NO. 8 LEASE Bridges State
FIELD Vacuum Gryby/SA LOCATION Lea County, N Mex J-23-T175-R34E
SIGNED D. G. Elwood

GL 4035'
DF _____
KB _____
ZERO _____

PRESENT WELLBORE DIAGRAM



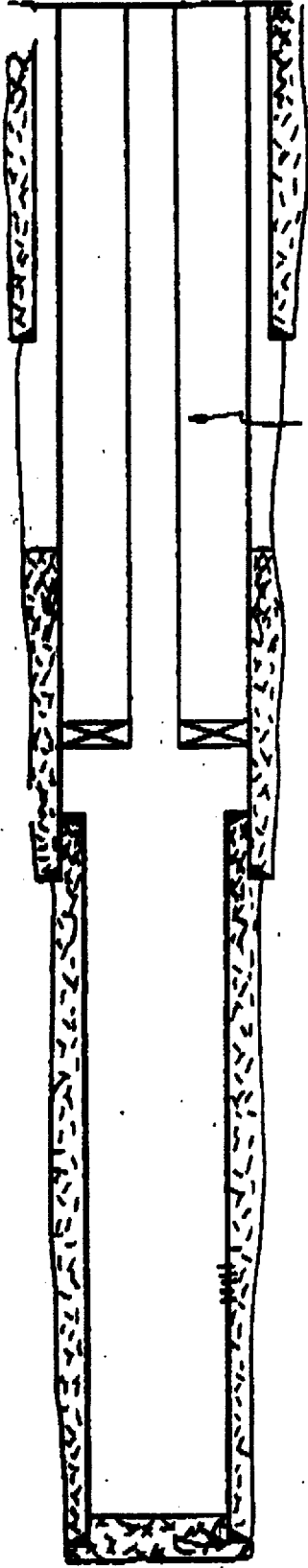
TD: 4,740'
PBD: 4560'

07/10/90 08:59 MPTM-MONAHAN-KJN NO. 003 049
 DATE 9-12-88 WELL NO. 21616 LEASE HELLERS STATE FIELD 152161 G/SA
 LOCATION A-23-175-34E COUNTY LEA STATE NM

SIGNED D. G. Elwood

GL 3943'
 DF _____
 KB _____
 ZERO _____

PRESENT



— 10 3/4", 35.75# CS6 SET @ 614' w/ 220 SK CMT. CIRC.

131 JTS OF 2 7/8" 10V CL TBG

— OALC TDC @ 2000'

— 7" JOHNSTON ST PKR @ 4033' w/ 5PTS T

— TOP OF LWR @ 4131'

— 7", 24# CS6 SET @ 4350' w/ 220 SK CMT.

— G/SA PERFS: 4531, 33, 35, 37, 42, 44, 46, 48, 50, 52, 54, 56, 58, 60, 62, 64, 66, 68, 70, 72, 80, 82, 84 / 86 w/ 1 JSPF (24 HOLES)

— 5", 15# LWR SET @ 4652' w/ 400SK CLASS C w/ 1/8" FLOOR/SK + 0.03% D-31. CMT CIRC

TD 4600'
 FSD 4635'

DATE 4-12-88

WELL NO. 188

LEASE BRIDGES STATE

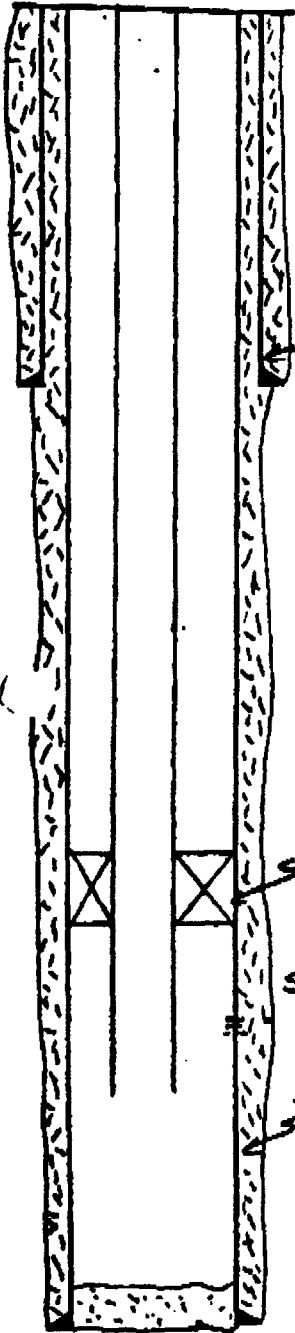
FIELD Vacuum G/S

LOCATION J340 FNL + 2630 FWL
Sec 25 T12S, R34E

SIGNED D. G. Elwood

G.L. A.A.
D.F. U.A.
K.B. N.A.
ZERO

PRESENT



93 JTS 8 5/8" 24# K-55 ST+C CSG @ 1674; CMT w/ 1200 SX
CLASS C + 2% CaCl₂ + 1/4# FC/SX. CMT CIR 250 SX

BAKER 5 1/2" LUGSET PKR ON 142 JTS 2 3/8" J-55 FLOWLINE Tbg. TO 4382' w/
12000 # T.

SAN ANDRES PORES 4448-4456; 4470-4479; 4478-4487 @ 2 JS PF (48 HOLES)
4699-4702; 472-16; 4720-30; 4740-42; 4748-52; 4759-6A; 4775-
C 1 JS PF (41 HOLES) → 89 HOLES TOTAL

116 JTS 5 1/2" 14# K-55 ST+C CSG TO 4800'. CMT w/ 900 SX CLASS C
+ 4% GEL + 15# SALT/SX + 1/4# FC/SX + 200 SX CLASS C + 2% CaCl₂ + 1/4# F
CMT CIR 217 SX.

4800' TO
4799 PBD

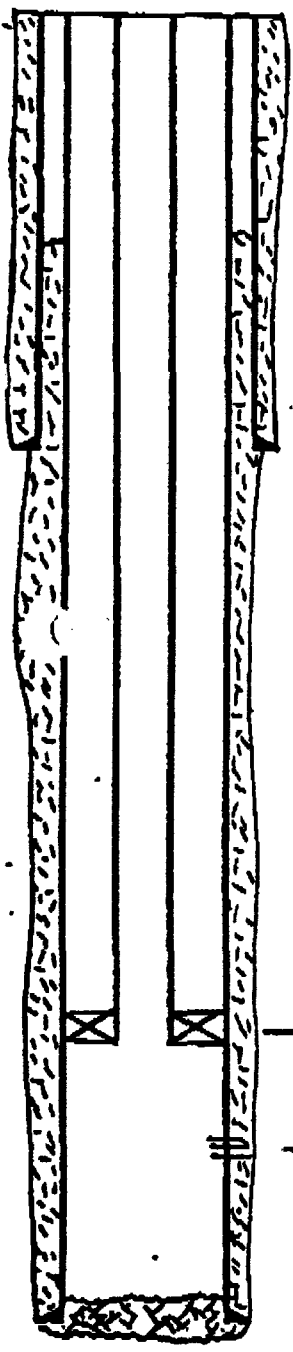
4-12-88 WELL NO. 185 W/ LEASE BRIDGES STATE FIELD VACUUM G26/SA

H-25, T-175, R-34E COUNTY LEA STATE NEW MEXICO

SIGNED D.G. Elwood

GL NA
DF _____
KB _____
ZERO _____

PRESENT



TOC @ 710' (5 1/2" - 8 5/8")

— 1690' 8 5/8" 24# K-55 CIRC

— 4435' 5 1/2" BAKER AD-1 TENSION PACKER

— SA PERFS 4476'-4483', 4494'-4500', 4615'-4621' W/ 2 ISPF (44 HOLES)

— 4900' 5 1/2" 14# K-55
(K-55)

TD 4900 = PBD

FOR

JOB OR AUTH. NO.

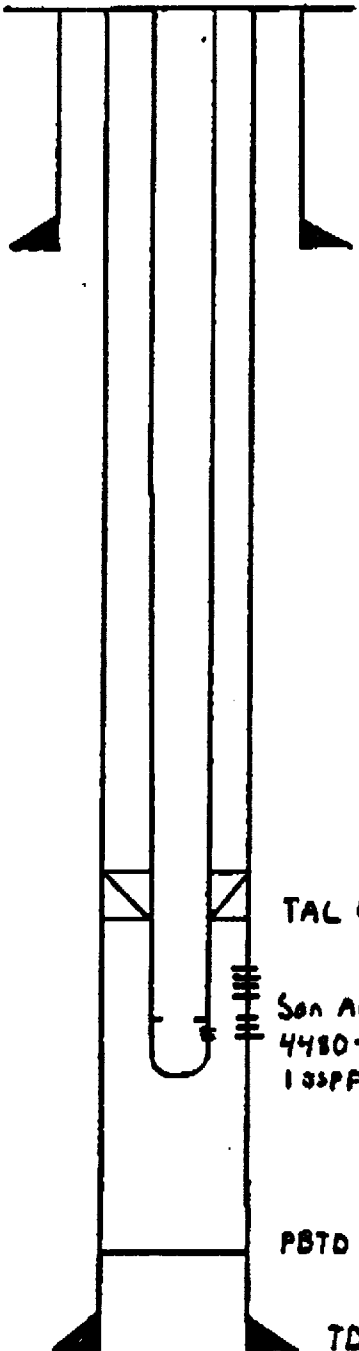
LOCATION Bridges State #182

PAGE

SUBJECT Wellbore Diagram

DATE 11-16-87

BY LA Breslau



GL 4004'
 KB 4016'
 DF 4015'

40 jts 8 5/8" 24# K-55
 ST 1/2 csg. @ 1637' w/1050
 SX Class L 12% Lal12

Tubing Record
 149 jts 2 7/8" EVE J-55 tbg
 5 1/2" x 2 7/8" TAL
 SN
 4' perf sub
 2 7/8" OPMA

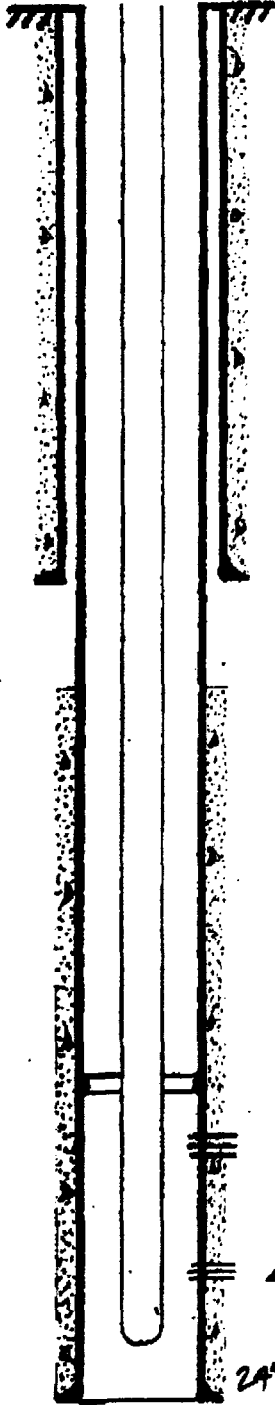
TAL @ 4380'

San Andres perfs:
 4480-4492, 4502-4512
 133PF - Total 24 holes

PBTD 4675'

TD 4871' 5 1/2" 14# K-55 ST 1/2 c to 4671' cont w/ 1580 sks
 Did not circ t/cmt @ 755' (temp survey)

FIELD	Vacuum Grayburg S.A.	OPERATOR	Mobil Oil Corp.	DATE	5-18-76
LEASE	Bridges State	WELL No	178	LOCATION	E-25-17S-34E



10³/₄ " casing set at 405 ' with 450 sx of Class H cement
 Hole size 13³/₄ " cement circ.

— 500' Cement top (T.S.)

— 4,411' Guib TA

U. San Andres Perfs 4,456' - 4,485'

L. San Andres Perfs 4,686' - 4,741'

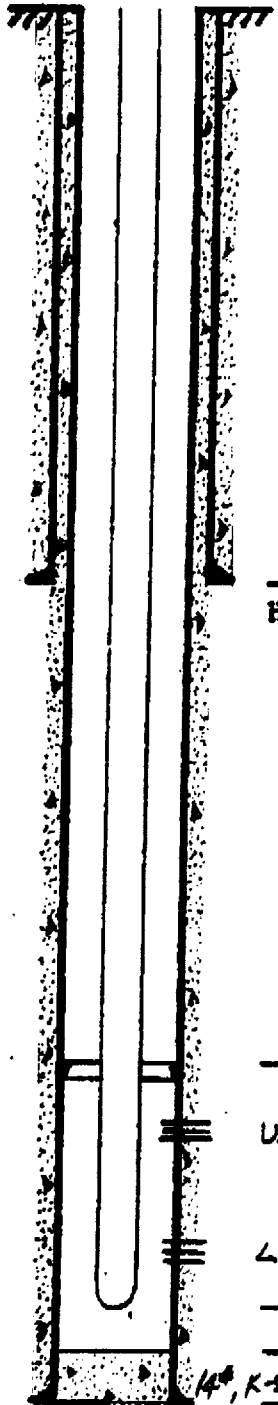
— 4,806' 2³/₈" tbg.

24" 7 " casing set at 4,850 ' with 1600 sx of Class C cement, Lite-Wate +

Total Depth 4,850 ' Hole size 8³/₄ "

LMP

FIELD <u>Vacuum Grayburg S.A.</u>	OPERATOR <u>Mobil Oil Corp.</u>	DATE <u>5-18-76</u>
LEASE <u>Bridges State</u>	WELL No <u>176</u>	LOCATION <u>F-25-17S-34E</u>



8 5/8" casing set at 415' with 400 sx of Class H cement
 Hole size 12 1/4" cement circ.

— 4,400' Guib TA

≡≡≡ U. San Andres Perfs 4,474' - 4,504'

≡≡≡ L. San Andres Perfs 4,709' - 4,758'

— 4,798' 2 3/8" Tbg

— 4,802' P8TD

14" K-55 5 1/2" casing set at 4,850' with 1,600 sx of Class C cement
 Total Depth 4,850' Hole size 7 3/8" cement circ.

LMP

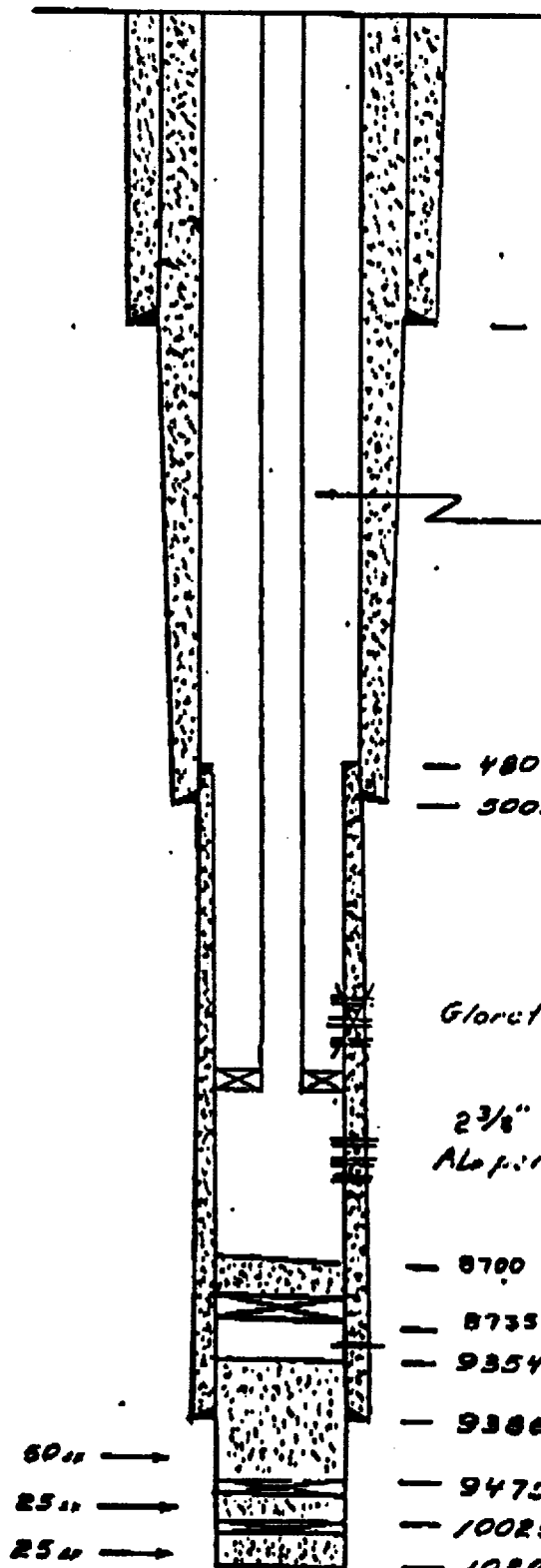
LOCATION J-24-17.5-34E
2054' FSL - 2162' FEL

SIGNED D. G. Elwood

G.L. 400A
 D.F. 401B
 K.B. 402D
 ZERO 14' AGL

North Vacuum Abs. Unit # 211 WIV

PRESENT



— 397' 11 3/4, 42" log set of 400 ss class H 2% CaCl₂
 end circ. 15" hole. centralizers on 12" 3" j's.

— 2 3/8" log

— 4803' TOL

— 5000' 8 3/8, 24" 32" J-55 Bro set of 1350 ss Haven L₁₅
 + RCG ss Incon Nest. end circ. 25 j's of 32" and
 75 j's of 24" 11" hole. insert float 30' above ss
 and 5 centralizers on 65' spacing cmf circ.

Glortta p. r's: 6097, 6099, 6115, 6117, 6139, 6144, 6149, 6159
 w/ 2 JSPF 16 holes sqrd w/ 100 ss Incon nest

2 3/8" log + perm PKR @ 9330 → Correct

Alp. p. r's: 8475, 8477, 8496, 8498, 8507, 8509. 2 JSPF, 12'

8458-67, 8474-78, 8482-84, 8495-8502, 8507-11.

— 8700 PATD 8513-15, 8518 w/ 1 JSPF 21 holes + 8455, 56, 8520,

28, 29, 30, 31, 84, 85, 88, 89, 98, 99, 8600, 8604 36 holes

— 9354' PATD

— 9386' 5 1/2, 17" J-55 + N-80 liner. 142 j's set of 400 ss

— 9475' Mullikin light cement + 350 ss Incon p. r's w/ 2% g.

— 10025' + 8" salt/22 + 24 j's of 1% CFR 2.

— 10200' TD

DATE 4-8-88

WELL NO. 219

LEASE Ab. Vacuum Abo Unit

FIELD Vacuum Abo North

LOCATION N-13-175-34E

SIGNED A. G. Elwood

G.L. 4016'

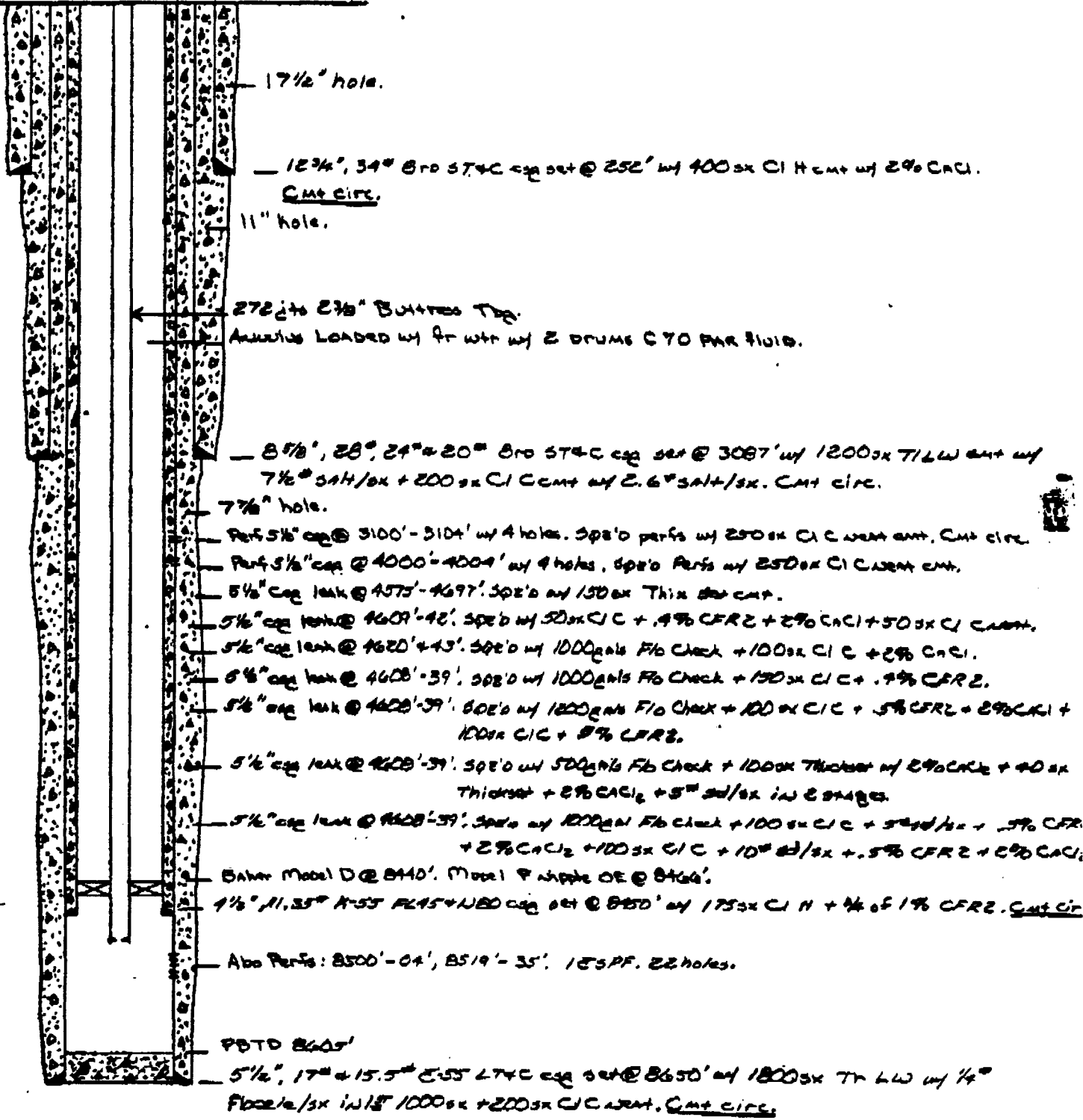
D.P. 4025'

X.B. 4026'

ZERO 10' AGL

1973' FWL AND 1030' POL
Lea County, New Mexico

PRESENT



TD 8650'

LOCATION K-24-174-34E

SIGNED M. J. OBER

G.L. —

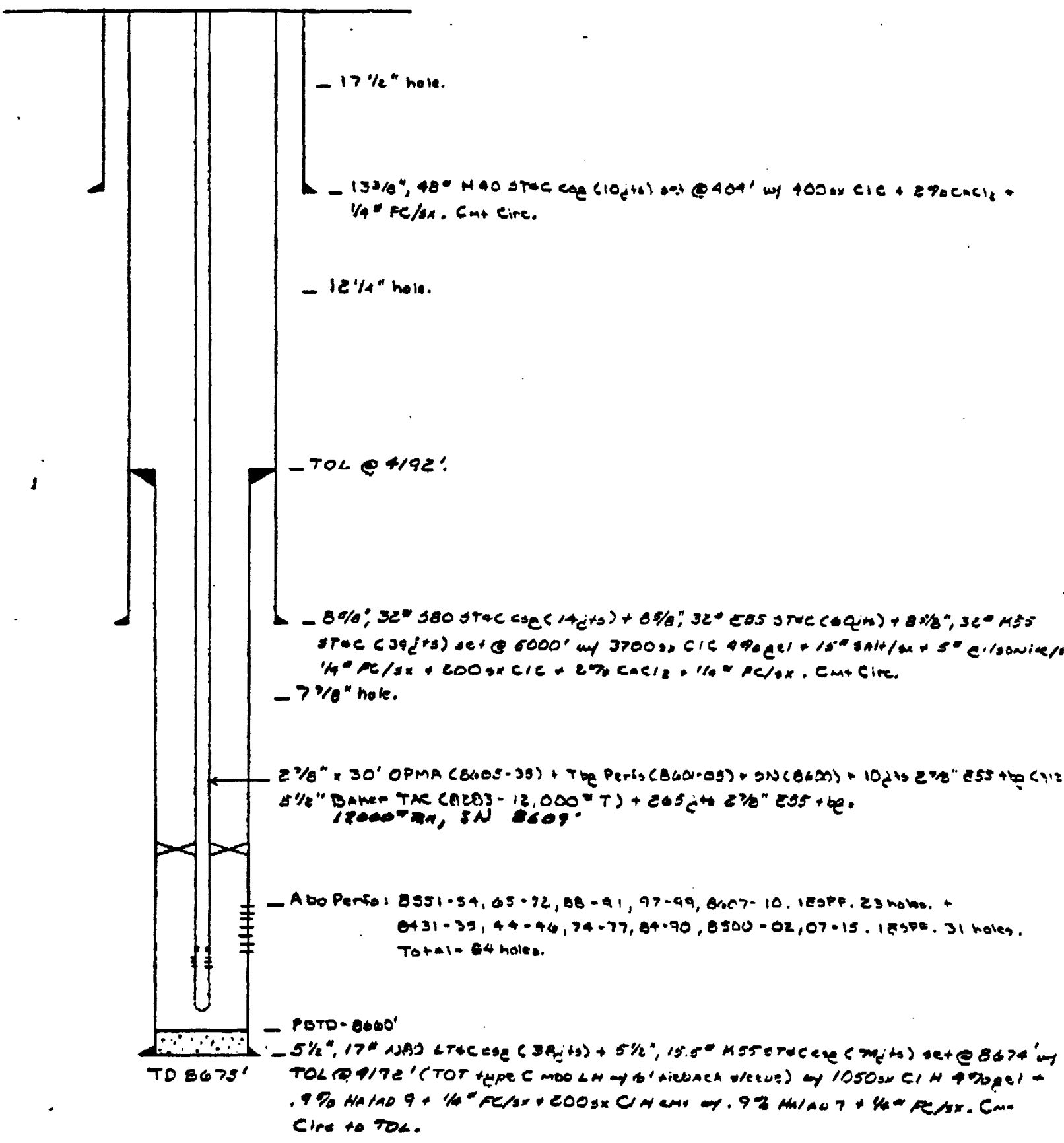
D.F. —

K.B. —

ZERO 12' AGL

2000' EWL & 1880' EAL

Lea County, New Mexico



- 17 1/2" hole.

- 13 3/8", 48" H 40 STAC Csg (10 1/2" ts) set @ 404' w/ 400sx CIC + 270CACI₂ + 1/4" FC/sx. Cmt Circ.

- 12 1/4" hole.

- TOL @ 4192'

- 8 7/8", 32" S80 STAC Csg (14 1/2" ts) + 8 7/8", 32" E85 STAC (60 1/2" ts) + 8 7/8", 32" H55 STAC (39 1/2" ts) set @ 6000' w/ 3700sx CIC 490gal + 15" SAH/sx + 5" @ 1500sx/1 1/4" FC/sx + 200sx CIC + 270 CACI₂ + 1/4" FC/sx. Cmt Circ.
- 7 7/8" hole.

2 7/8" x 30' OPMA (B405-35) + Top Perfs (B40-09) + SN (B40) + 10 1/2" 255 + 100 (1/2" 5 1/2" Baker-TAC (R253-12,000" T) + 265 1/2" 2 7/8" 255 + 100. 12000" SN, SN 8609'

- Abo Perfs: 8531-54, 65-72, 88-91, 97-99, 8607-10. 125PF. 23 holes. + 8431-35, 44-46, 74-77, 84-90, 8500-02, 07-15. 125PF. 31 holes. Total = 54 holes.

- PSTD-8660'
- 5 1/2", 17" 1380 LTAC Csg (38 1/2" ts) + 5 1/2", 15.5" H55 STAC Csg (78 1/2" ts) set @ 8674' w/ TOL @ 9172' (TOT type C mdo LH w/ 16' airback valve) w/ 1050sx CI H 490gal + .970 HA1AD 9 + 1/4" FC/sx + 200sx CI H 490 w/ .970 HA1AD 7 + 1/4" FC/sx. Cmt Circ to TOL.

TD 8675'

LOCATION A-25-175-34E

COUNTY LEA

STATE NM

GL 4013'

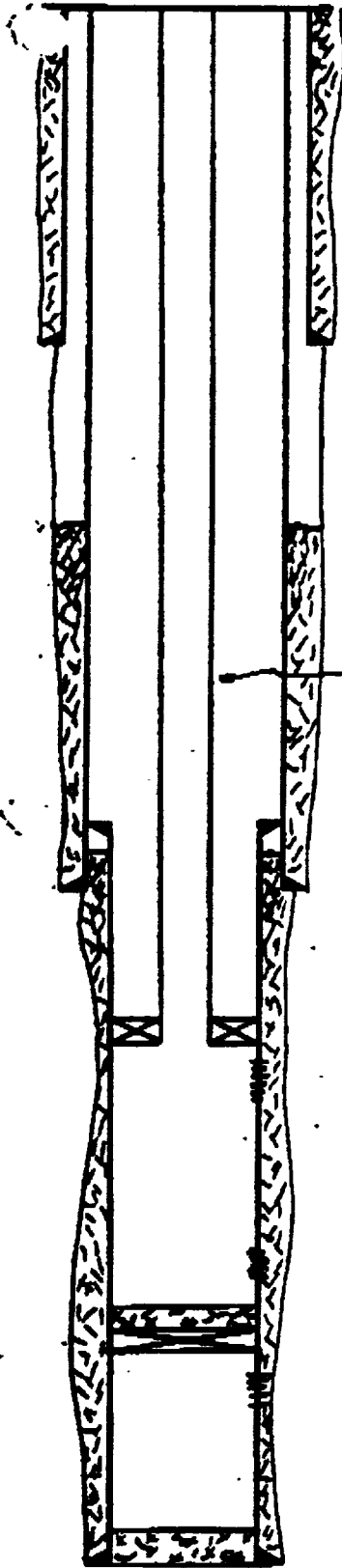
DF _____

KB _____

ZERO _____

SIGNED J. G. Elwood

PRESENT
Bridges State # 32 W.W



— 13 3/4", 35.25# CSG SET @ 615' W/ 2500SK CMT. CIRC.

— CALC TOC @ 2735'

— 195 JTS OF 2 3/8" LL BUTTRESS TDS

— TOP OF LWR @ 4045'

— TOC @ 4065' (TEMP. SURVEY)

— 7", 24# CSG SET @ 4210' W/ 2100SK CMT.

— 4 1/2" BAKER TENSION PILE SET @ 4373' W/ 12 PLS T

— 6/32 PERFS: 4421, 85, 88, 91, 93, 95, 98, 4500, 03, 05, 09, 11, 14, 16, 18, 22, 23, 25, 29, 31, 34, 39, 43, 45, 48, 51, 4742, 45, 48, 73, 79, 86, 88, 484, 18, 20, 27, 31, 35, 37 & 45 W/ 1 JSPK (4 HOLES)

— 802 PERFS @ 5775, 83, 91 & 6000' W/ 1000SK CLASS C W/ 2# SALT 5# 30/SK TO STOP GUADETITA NTR FROM CHANNELING. 1/4"

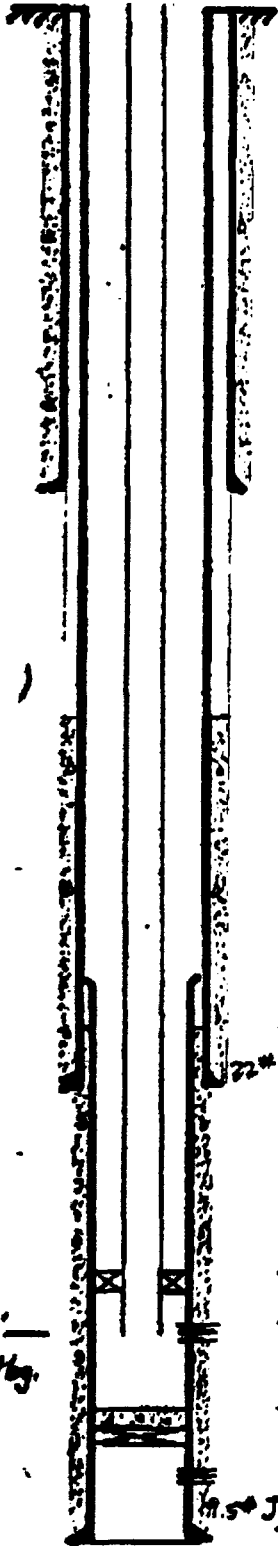
— 4 1/2" C&P SET @ 6000'. GAPPED W/ 20' CMT. TOC @ 6300'.

— BLINDRY PERFS: 6663-6712' CA

— 4 1/2", 9.5#, J-55 LWR SET @ 6800' W/ 410SK CMT.

TO 6800'
PRTD 6580

FIELD	Vacuum Blinebry	OPERATOR	Mobil Oil Corp.	DATE	5-11-76
LEASE	Bridges State	WELL No	38	LOCATION	A-26-17S-34E



10³/₄" casing set at 825' with 240 sx of N.A. cement
 Hole size 12¹/₄" cement circ.

— 2,694' cement top. (calc.)

4025' Liner top

— 4090' cement top (T.S.)

7" casing set at 4230' with 210 sx of N.A. cement
 Hole size 8³/₄"

— 6426' Guib. packer

Yeso Perfs 6472'-6,518'

— 6620' PSTD

— 6630' CIBP w/10' of cmt.

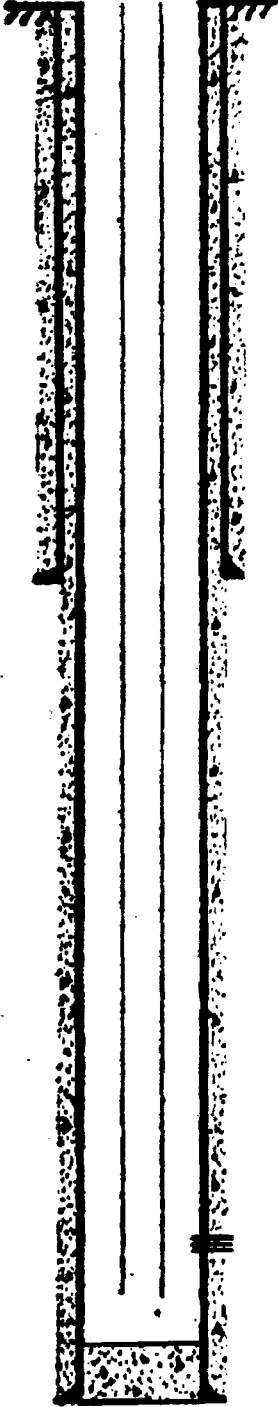
Yeso Perfs 6667'-6,713'

6 5/8" J-554 1/2" liner set at 6,795' with 400 sx of Incor 4% gal
Total Depth 6,795' Hole size 6¹/₄" Incor Neat cement

6516'
2 3/8" tbg.

LMP

FIELD	Vacuum Glorieta	OPERATOR	Mobil Oil Corp.	DATE	5-3-88	DCE
LEASE	Bridges State	WELL No	102	LOCATION	G-25-17S-34E	



8 5/8 " casing set at 1565 ' with 800 sk of Incor w/4 7/8 gal + Incor Neat cement
 Hole size 12 1/4 " cement circ.

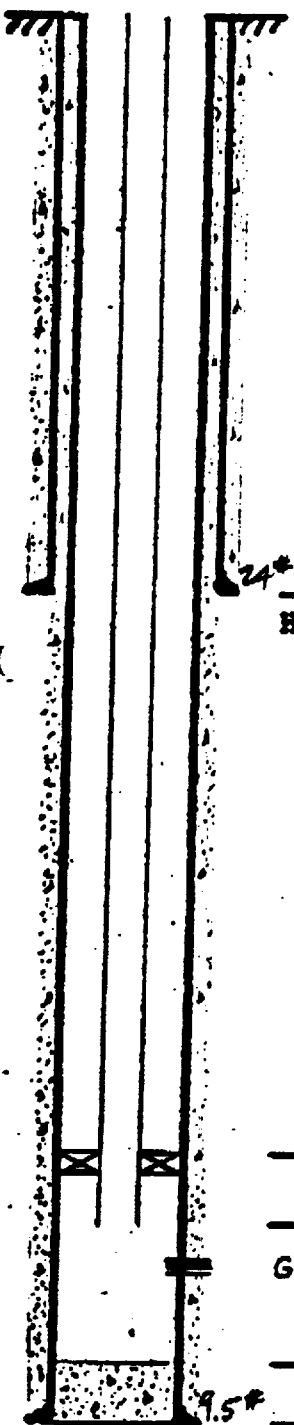
Glorieta Perfs 6,031'-6,050'

— 6,160' 2 3/4" tbg.

— 6,171' PSTO.

4 1/2 " casing set at 6,200 ' with 2380 sk of Tr. Lite - Water + Incor Neat cement
 Total Depth 6,200 ' Hole size 7 7/8 " cement circ.

FIELD Vacuum Glorieta	OPERATOR Mobil Oil Corp.	DATE 5-12-76
LEASE Bridges State	WELL No 103	LOCATION E-25-17S-34E



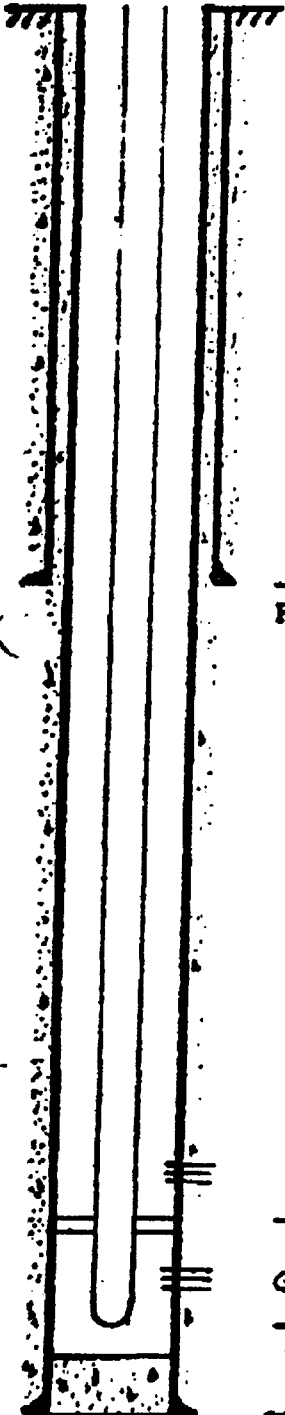
24" 8 5/8 " casing set at 1514 ' with 900 sk of ^{Incor w/47 gal +} Incor Neat cement
 Hole size 12 1/4 " cement circ.

— 5,865' Guib. packer
 — 5,947' 2 3/8" tbg.
 Glorieta Perfs 5,982' - 6,053'
 — 6,139' PBD

9.5" 4 1/2 " casing set at 6,200 ' with 3,255 sk of ^{Life - Water} Incor Neat cement
 Total Depth 6,200 ' Hole size 7 7/8 " cement circ.

DGE 5-3-88

FIELD	Vacuum Glorieta	OPERATOR	Mobil Oil Corp.	DATE	5-17-76
LEASE	Bridges State	WELL No	106	LOCATION	C-25-17S-34E



8 5/8" casing set at 1512' with 850 sx of Incex Heat cement
 Hole size 12 1/2" cement circ.

Perfs 5,055'-5,080' Squeezed w/50 sx. Work done to prevent channeling
 — 5,924' Guib tlg. anchor down of SA water

Glorieta Perfs 6,038'-6,077'
 — 6,102 2 3/4 tlg.

4 1/2" casing set at 6,147' with 2765 sx of Incex Heat cement
 Total Depth 6,150' Hole size 7 7/8" cement circ.

DGE 5-3-84

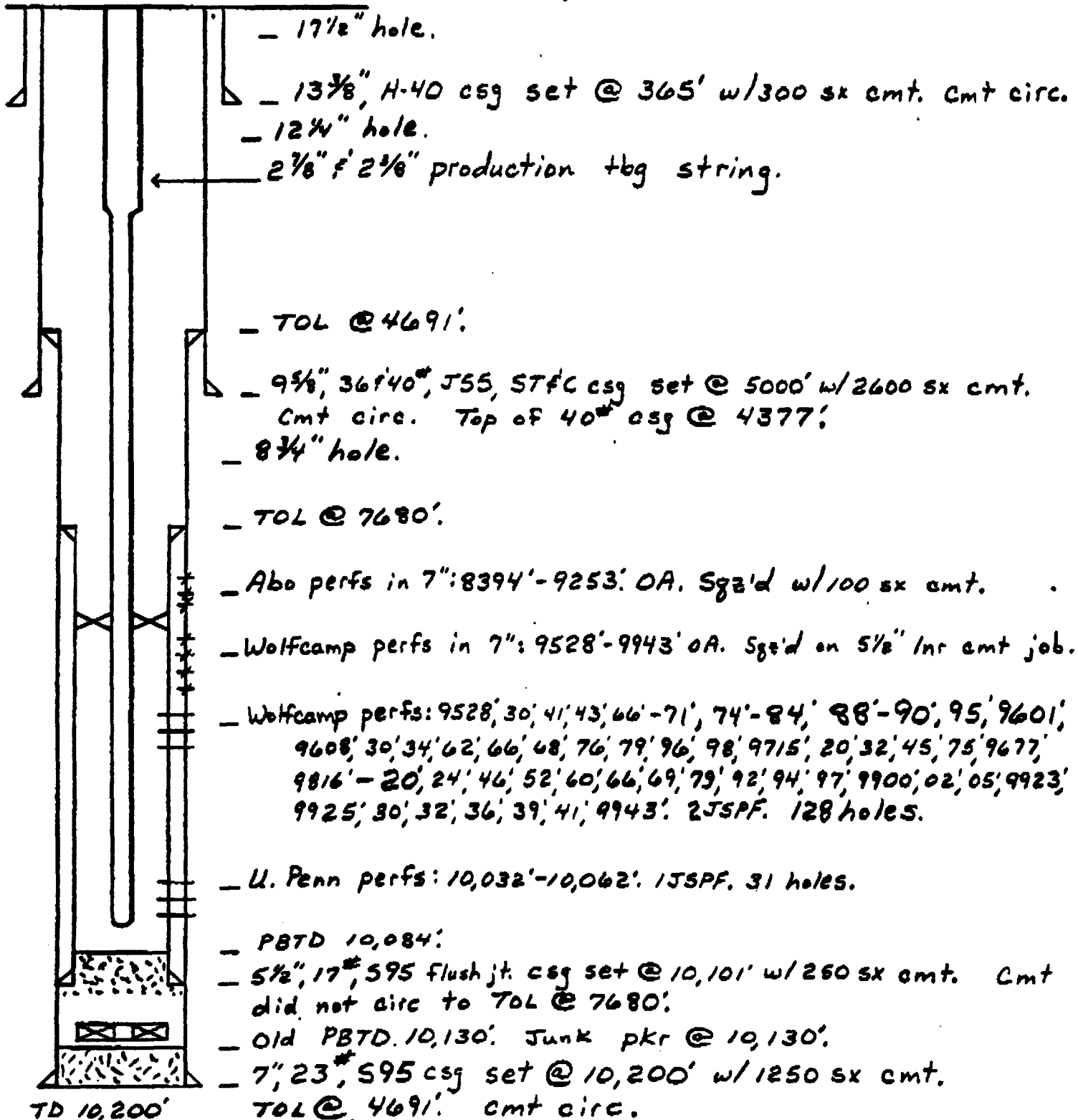
DATE 10/14/87 WELL NO. 108 LEASE Bridges State FIELD Vacuum

LOCATION 2130' ENL F 1980' FWL
F-SEC. 25, T17S, R34E
Lea County, NM

SIGNED R.W. Petty

G.L. 4002'
D.F. 4013'
K.B. 4014'
ZERO KB
12' AGL

PROPOSED



BRIDGES STATE WELL # 110

VACUNY GLORIETA FIELD

LEA COUNTY, NEW MEXICO

R-25-175-38E

Howled unit w/ 850SX
Inner 4% gal w/ 2% HAS
+ 1/4" 1/2" flange + 50SX inner
rest w/ 2% HAS. ent circ.

8 3/4" 24# J-55 CSG - 1592'

2 3/8" TBG STRING:

57M @ 6116', 8' MA @ 6108'
3' PERF SUB @ 6105-08'
1' SN @ 6104', 10 JTS (313)
2 3/8" BRD EUE TBG,
3' BAKER TA @ 5788'
279 JTS (5788') BRD EUE TBG

BAKER TA @ 5788'

GLORIETA PERFS:

6039; 41; 43; 44; 46; 48; 50; 54;

56; 58; 60; 63; 65; 67; 73; 75;

77; 81; 86; 90 w/ 1577-20 holes

Report 6030-39, 37-49, 46-60, 62-70,
73-84, 84-90; 6090-6106' 25PF

TBG PERFS: 6105-08'

SN @ 6104'

Howled unit w/ 14CC-SX TILW
w/ 1/2" 1/2" flange + 100SX inner
rest w/ 8" 1/2" SX. ent circ.

TD 6200'
PBD 6167'

5 1/2" 14# J-55 CSG @ 6200'

25 3/4"

DATE 11-8-85

WELL NO. 111

LEASE DRIBLES STATE

FIELD Vacuum Geopie

LOCATION F-25-175-3AF

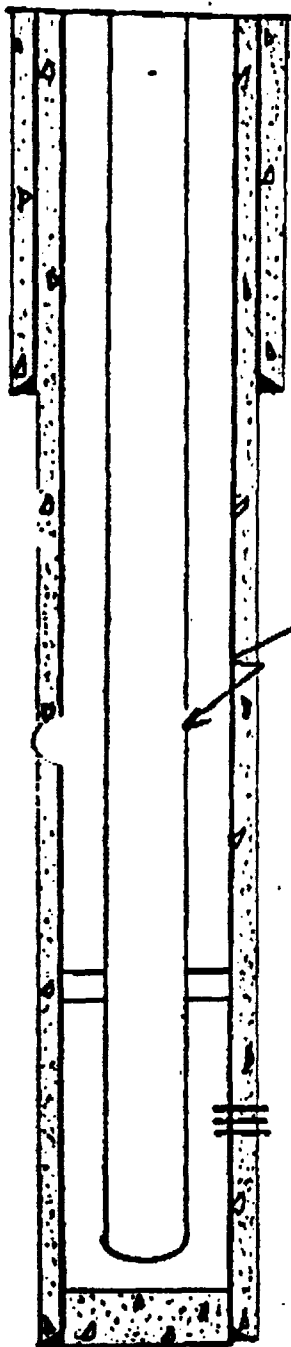
SIGNED L. D. BROWN

G.L. _____

D.F. _____

K.B. _____

ZERO _____



9 5/8" 32# H-40 CSK @ 1585' CNT'D W/ 800 SX INJUR 67% GEL + 1/4" FLOSEAL/SK + 100 SX INJUR NEAT. ALL W/ 27% CaCl₂. 12 1/4" HOLE

SN @ 6028

2 3/8" OD J-55 EUE 8 ROUND TAG TO 6061'

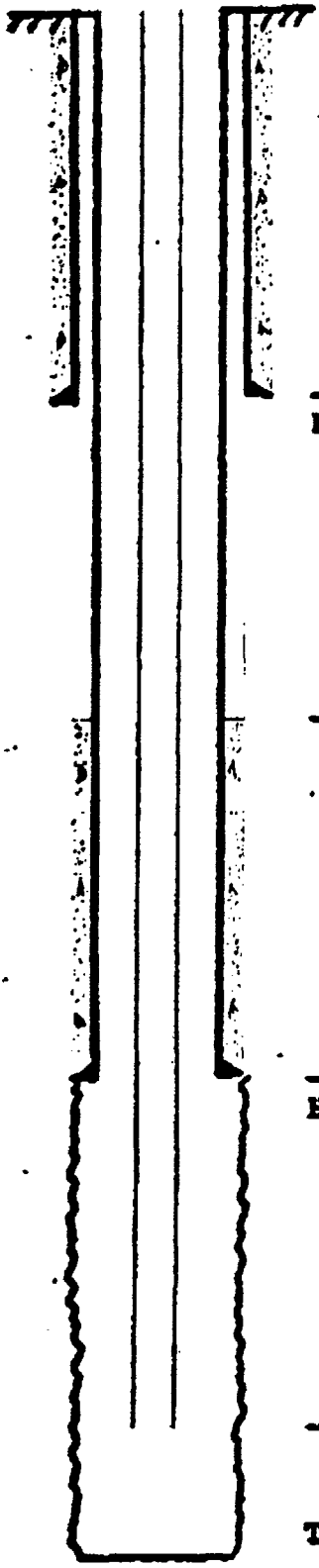
McGATHEY TAYLOR HOLD DOWN @ 5905'

GIORGETTA PERIS - 5982; 84; 91; 95; 97; 6003; 7; 12; 16; 19; 26; 31
 13SPF - TOTAL 13 HOLES.

189 STS 7" OD 23# J-55 ST+C CSK TO 6190. CNT'D W/ 1700 SX T-LW W/ 1/4" FLOSEAL/SK + 100 SX REGULAR NEAT + 8" SALT/SK. CNT CIRC. 8 3/4" HOLE.

TO-6190
 P&T-6152

FIELD Vacuum Grayburg SA.	OPERATOR Mobil Oil Corp.	DATE 5-18-76
LEASE Bridges State	WELL No. 16	LOCATION B-25-17S-34E



10 3/4" casing set at 836 ' with 220 sx of N.A. cement
Hole size 12 1/4" cement circ.

2,659' cement top (Calc.)

7" casing set at 4,195 ' with 210 sx of N.A. cement
Hole size 8 3/4"

4,748' 2 3/8" tbg.

Total Depth 4,750'

LMP

LOCATION 6-25-175-34E

LEA COUNTY, NEW MEXICO

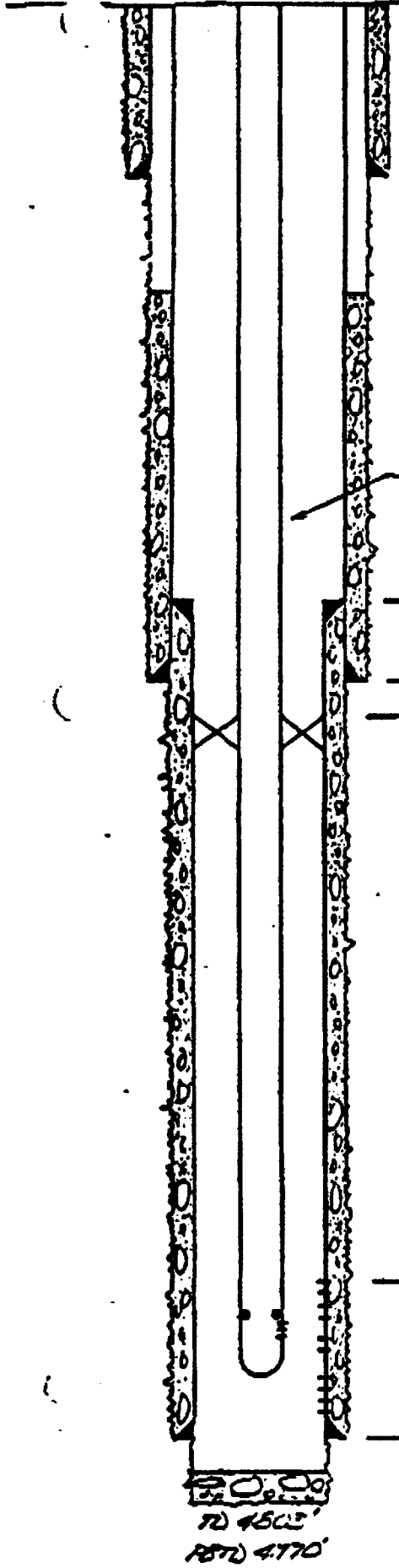
G.L. 4007'

D.F. NA

K.B. 10' AGL (EST.)

ZERO 10' AGL (EST.)

Bridges State # 14



— 10 3/4", 35.75# CSG SET @ 863' w/ 250 # CNT + 75X AQWAG

— EST. TDC = 2500'

— 2 3/8" TBG TO 4684' - TA @ 4199', SN @ 4649' PERF SUB @ 4650'-E

— TOP OF LNR @ 4171'

— 7", 24# CSG SET @ 4198' w/ 225 SX CNT + 65X AQWAG

— BLUE TA SET @ 4199'

— GRAYBURS / SAN ANTONES PERFS:
 4465-69'; 4494-4501'; 4511-15'; 4518-22'; 4528-32'; 4637-40';
 4657-60'; 4663-66' w/ 1 JSPF - 35 HOLES
 4720'; 4721'; 4727-33'; 4747-55' w/ 2 JSPF - 37 HOLES

— 5 1/2" of 5", 15# J-55 X-LINE LNR SET @ 4763' w/ 100SX CNT.

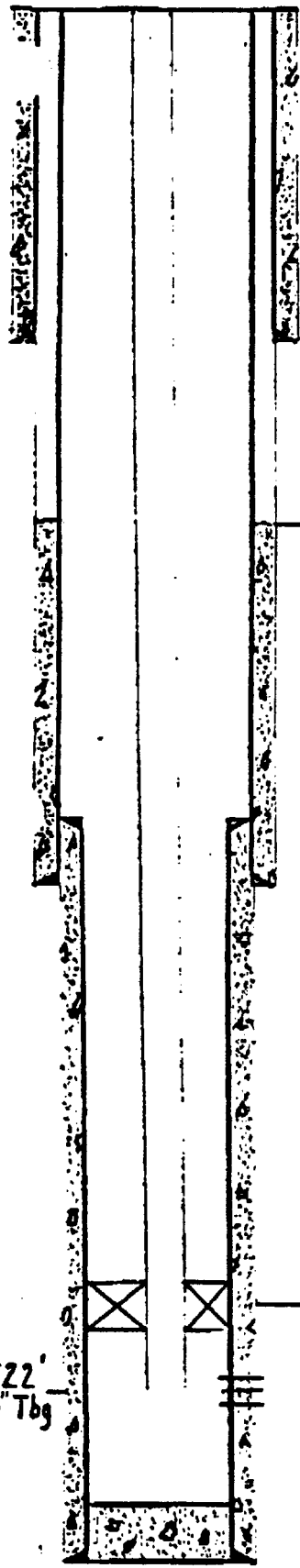
TD 4603'
RDT 4770'

JTBURNETT 9-7-02

SIGNED _____

GL _____
DF _____
KB _____
ZERO _____

Bridges State #13



— 10 3/4" CASING SET @ 827' w/ 210 SX OF N.A. CMT (CIRC) 12 1/4" hole

— 2664' CALC. CMT TOP

— 4019' LINER TOP CEMENTED w/ 15 SX INCOR NEAT

— 7" CASING SET @ 4200' w/ 210 SX OF N.A. CMT 8 3/4" hole

— 6354' GUIBERSON PACKER

PADDOCK PERFS 6400-6544'

— 5" LINER SET @ 6800' w/ 300 SX OF INCOR 4% GEL + INCOR NEAT CMT. 6 1/4" hole

PBTD-6750'
TD-6800'

522'
8 Tbg

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

CASE NO. 10000
ORDER NO. R-9840

**APPLICATION OF MOBIL PRODUCING TEXAS AND NEW MEXICO, INC. FOR A
NEW WATERFLOOD PROJECT, DUAL COMPLETIONS, WATERFLOOD
EXPANSION AND TWO UNORTHODOX WATER INJECTION WELL LOCATIONS,
LEA COUNTY, NEW MEXICO**

NUNC PRO TUNC ORDER

BY THE DIVISION:

It appearing to the Division that Order No. R-9832, issued in Case No. 10000 which was heard on July 11, 1990 and dated January 14, 1993, does not correctly state the intended order of the Division,

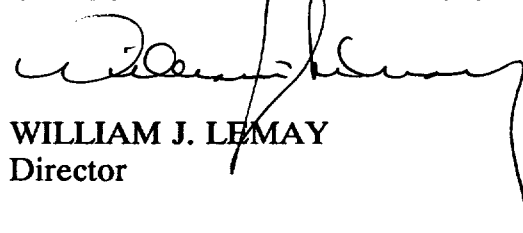
IT IS THEREFORE ORDERED THAT:

(1) The Division inadvertently issued Order No. "R-9832" twice, the first being erroneously issued in the immediate case as described above and the second in Case No. 10617, being the application of C.W. Trainer for a tight formation area designation in Chaves County, New Mexico, heard before a Division Examiner on December 17, 1992 and dated January 25, 1993. Therefore all references to Order No. "R-9832" throughout the order issued in Case No. 10000 dated January 14, 1993, are hereby amended to read Order No. "R-9840".

(2) The corrections set forth in this order be entered nunc pro tunc as of January 14, 1993.

DONE at Santa Fe, New Mexico, on this 29th day of January, 1993.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION


WILLIAM J. LEMAY
Director

S E A L

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
DIVISION FOR THE PURPOSE OF
CONSIDERING:

CASE NO. 10000
ORDER NO. R-9832

**APPLICATION OF MOBIL PRODUCING TEXAS AND NEW MEXICO FOR A NEW
WATERFLOOD PROJECT, DUAL COMPLETIONS, WATERFLOOD EXPANSION
AND TWO UNORTHODOX WATER INJECTION WELL LOCATIONS, LEA COUNTY,
NEW MEXICO**

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 8:15 a.m. on July 11, 1990, at Santa Fe, New Mexico, before Examiner Michael E. Stogner.

NOW, on this 14th day of January, 1993, the Division Director, having considered the record and the recommendations of the Examiner, and being fully advised in the premises,

FINDS THAT:

- (1) Due public notice having been given as required by law, the Division has jurisdiction of this cause and the subject matter thereof.
- (2) At the time of the hearing this case was consolidated with Case No. 9999 for the purpose of testimony.
- (3) The applicant, Mobil Producing Texas and New Mexico, Inc., seeks authority to institute a new waterflood project on its Bridges State Lease comprising all or portions of Sections 3, 10, 11, 12, 13, 14, 15, 23, 24, 25, 26 and 27, Township 17 South, Range 34 East, NMPM, Lea County, New Mexico.
- (4) Injection is to be achieved by the commingled injection of a water stream into the Vacuum-Glorieta and Vacuum-Blinbry Pools through six certain wells in Sections 24 and 25.

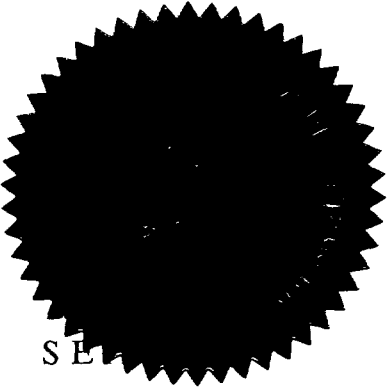
(5) The applicant further seeks to expand its Bridges Vacuum Grayburg San Andres Waterflood Project by dually completing two of the six wells such that water injection into the Grayburg/San Andres formation will be through a second parallel string of tubing. Also the four remaining wells are to be completed in a similar manner as to allow the injection of water into said commingled Blinberry/Glorieta injection zone and to continue injecting water into the North Vacuum Abo Pressure Maintenance Project through parallel strings of tubing.

(6) Subsequent to the hearing it was mutually determined by both the Division and the applicant that this matter should be dismissed.

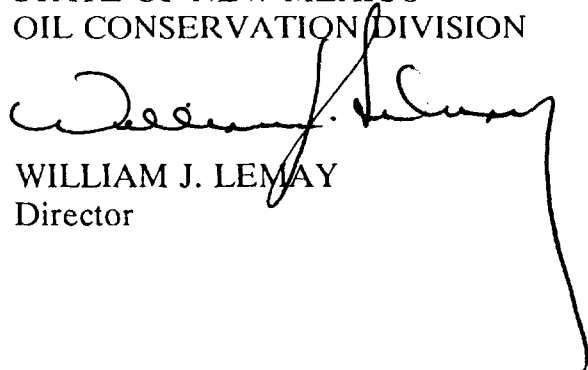
IT IS THEREFORE ORDERED THAT:

Case No. 10000 is hereby dismissed.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.



STATE OF NEW MEXICO
OIL CONSERVATION DIVISION



WILLIAM J. LEMAY
Director

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