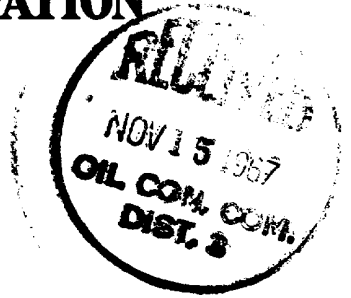


PAN AMERICAN PETROLEUM CORPORATION

SECURITY LIFE BUILDING
DENVER, COLORADO 80202



November 13, 1967

File: AMR-2426-986.511

Re: Supplemental Information for
Multiple Completion Jicarilla
Apache 102 Well No. 10 890' FWL, 1030' FWL
Section 4, T26N-R4W, Rio Arriba County,
New Mexico

Mr. A. L. Porter, Jr.
Director
New Mexico Oil Conservation Commission
P. O. Box 2088
Santa Fe, New Mexico

Dear Mr. Porter:

Filed in duplicate herewith, in compliance with Rule 112-A VI of the Commission's Rules and Regulations, is a packer setting affidavit, the Gamma-Collar Perforation Record, and a diagrammatic sketch of the mechanical installation which was actually used in completing Jicarilla Apache 102 Well No. 10. Approval to dually complete in the Gallup and Basin Dakota pools had been granted by Administrative Order No. MC-1771 dated June 12, 1967.

The results of the packer-leakage tests on this well were forwarded by our Farmington Area office recently to your office. Those results along with the enclosed data should fulfill the required supplemental information needed by the Commission on this particular well.

Yours very truly,

R.B. Giles

Attachments

cc: New Mexico Oil Conservation Commission - Aztec
U. S. Geological Survey - Farmington
Consolidated Oil and Gas Incorporated
El Paso Natural Gas Company

THE UNIVERSITY OF CHICAGO



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LIBRARY

STATE OF NEW MEXICO)
)
COUNTY OF RIO ARriba)

I, Hene Legacere, being first duly sworn upon
my oath depose and say as follows:

I am an employee of Baker Oil Tools, Inc., and that on JULY 15,
1967, I was called to the location of the PAN AMERICAN PETROLEUM Company
JICARILLA APACHE 102 - #10 Well located in the NE1/4 - SECTION 4
(Well Number)
of Section 4, Township 26-N, Range 4-W, N.M.P.M., for
advisory service in connection with installation of a production packer. In
my presence, a Baker Model "B" Production Packer was set in this well
at 8014' feet in accordance with the usual practices and customs of
the industry.

Hene Legacere
Baker Oil Tools, Inc.

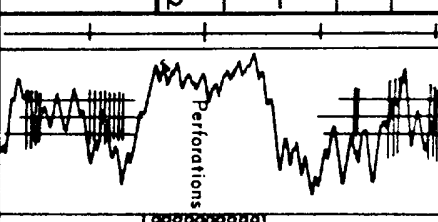
Subscribed and sworn to before me, a Notary Public in and for San Juan
County, New Mexico, the 3rd day of October, 1967.

Nancy Elaine Price (Yahr)
Notary Public in and for San Juan
County, New Mexico

My commission expires 7-20-1970.



COMPANY Pan American Pet. Corp.
WELL Ticavilla Apache 102 #10
FIELD Basin - Dakota
COUNTY Rio Arriba STATE New Mexico
Location 890' FNL
1030' FNL
Sec. 4 Twp. 26 N Rge. 4 W



Permanent Datum	Ground Level	Elev.	7179
Log Measured From	K.B.		
Drilling Measured From	" "		
		Elev.:	K.B. 7189'
		D.F.	7188'
		G.L.	7179'

Type Log	GRDC.	
Run No.	One	
Date	6-22-47	
Total Depth Driller	8340	
Present Depth Driller	8050' <i>PRD</i>	
Total Depth Welox	8050'	
Survey Begins	8050'	
Survey Ends	7500'	

Type Fluid in Hole	water		
Fluid Level	4300'		
Max. Recorded Temp.	~		

Recorded By	J. G. Greer		
Witnessed By	Mr.		

BORE HOLE RECORD				CASING RECORD			
Run	Bit	From	To	Size	Wgt.	From	To
	12 3/4	Surf.	197	10 3/4		Surf.	197

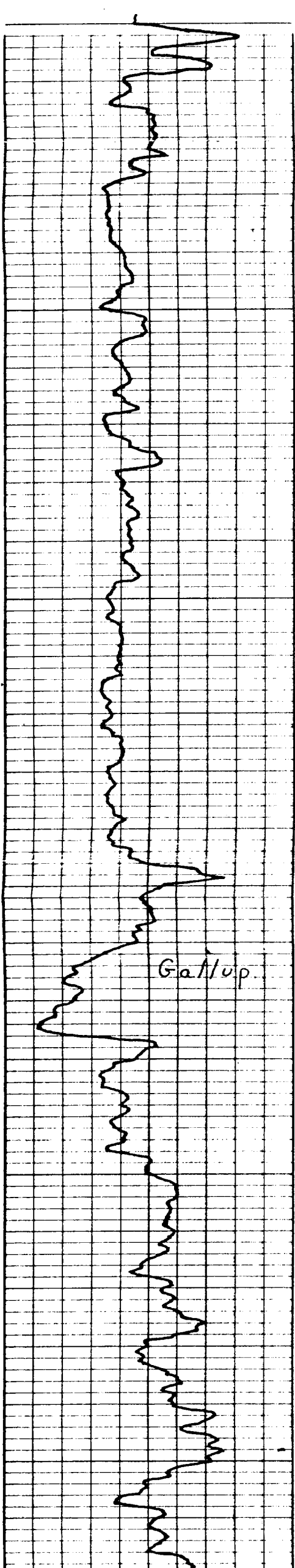
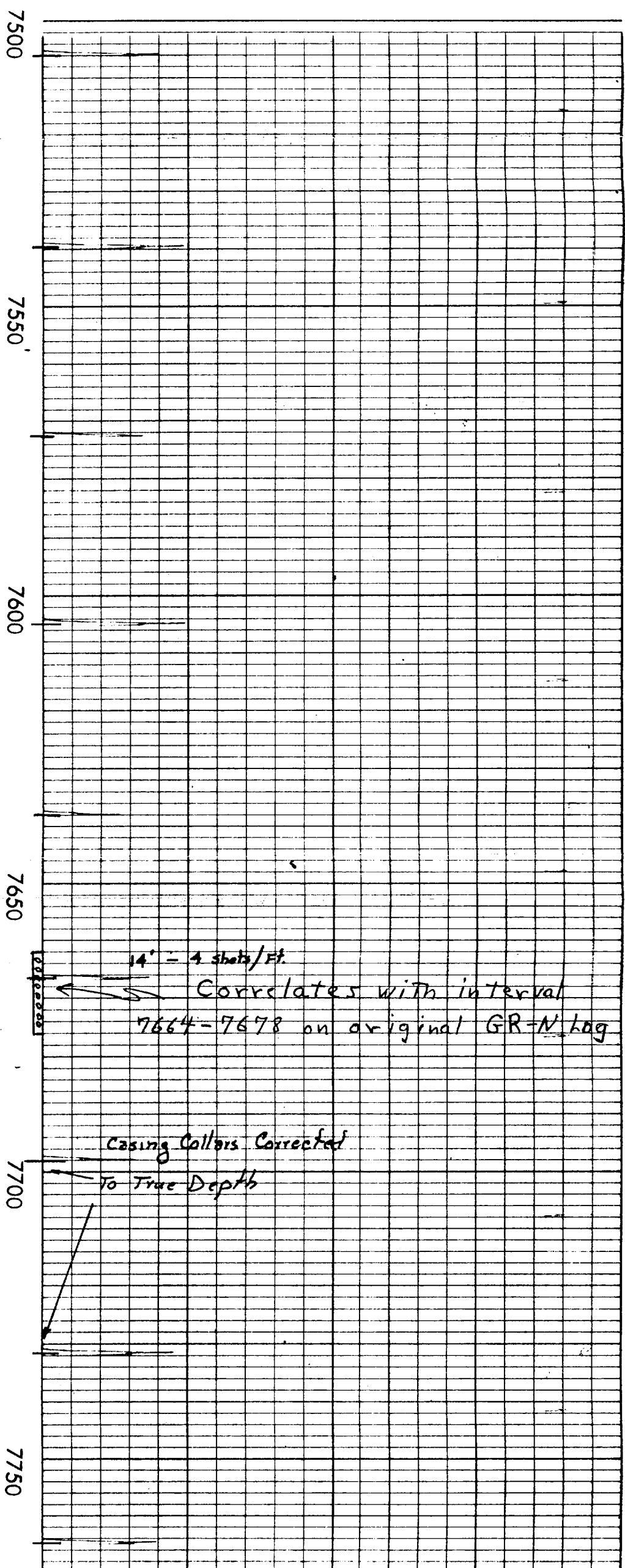
958	197	4160	758	Surf.	4160
634	4160	8360	43	Surf.	8360

THIS LOG RUN FOR CORRELATION AND MEASUREMENT PURPOSES ONLY

Service Ticket No. _____
REMARKS: _____

REMARKS:

GAMMA	
Tool Model No.	1000
Dia.	3 1/2"
Detector Model No.	1-E4
Type	G.M.
Length	28"
Time Constant	2
Sensitivity	150
Zero	0
Speed	30'/min.



Elevation RDB 7189
GL 7179

PAN AMERICAN PET. CORP.
Jicarilla Apache 102 - Well No. 10
Sec. 4 - T26N - R4W
Rio Arriba Co., New Mexico
(Not to Scale)
Diagrammatic Sketch of
Dual Completion

10 3/4#, 32.75#, H-40 csg
140 sacks cem. to surface

1 1/2" Hydril "CS" tubing
Dakota

1" Hydril "CS" Tubing
Gallup

195' RDB

7 5/8" 26.4#, J-55 csg
140 sacks cement
Top Cement 3500' (est.)

4161' RDB

Gallup Perforations

(4 shots per
foot)

7664
7678

Gallup Tubing at 7655.

Graneros Sand
Perforations

8150
8188

Dakota Sand
Perforations

8285
8310
8335
8345

Baker Oil Tools' Model "D" Packer set at 8014.

Dakota Tubing Landed in Packer

4 1/2", 10.5#, J-55 csg
500 sx. cement (filled to 7 5/8" string)

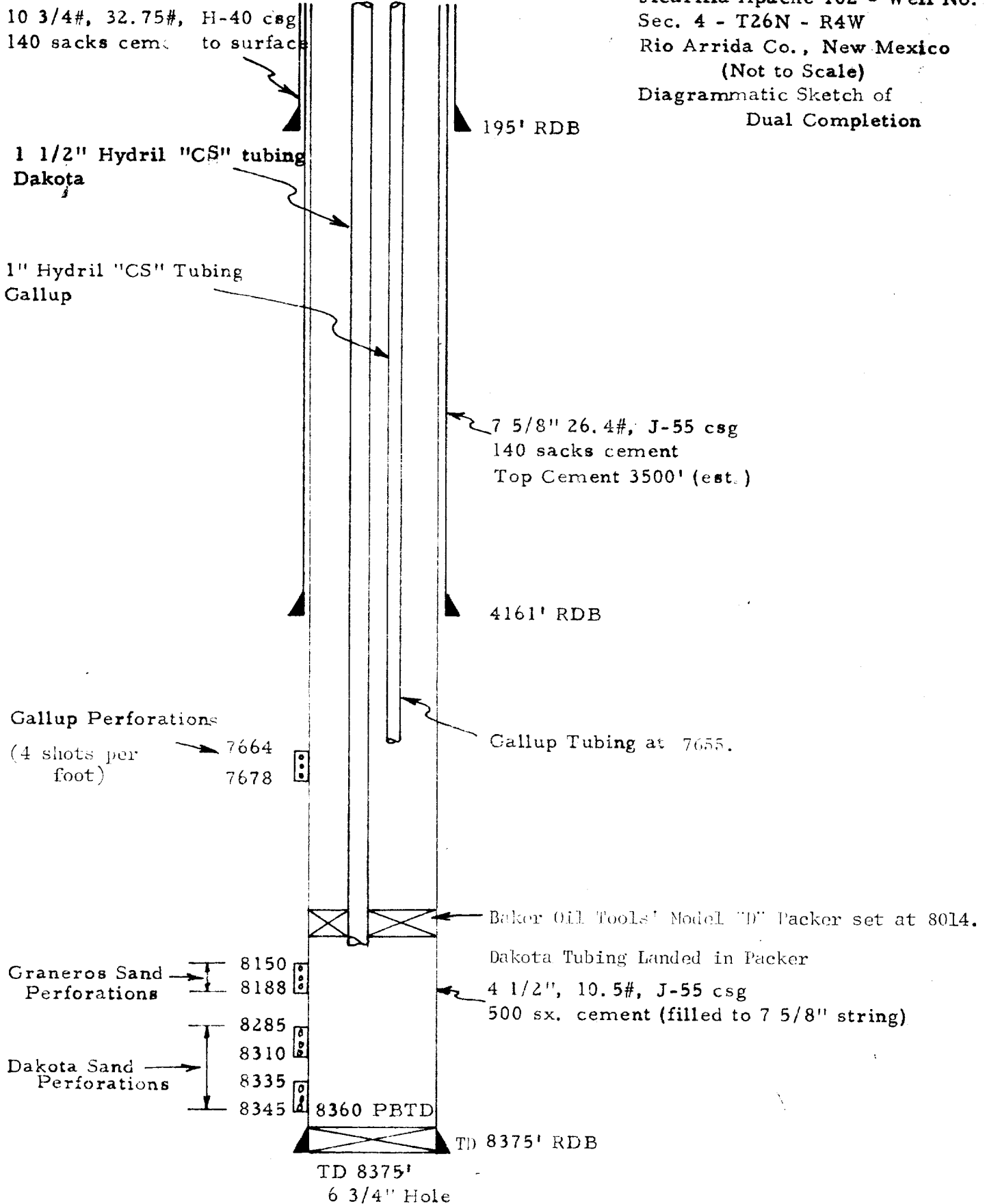
8360 PBTD

TD 8375' RDB

TD 8375'
6 3/4" Hole

Elevation RDB 7189
GL 7179

PAN AMERICAN PET. CORP.
Jicarilla Apache 102 - Well No. 10
Sec. 4 - T26N - R4W
Rio Arriba Co., New Mexico
(Not to Scale)
Diagrammatic Sketch of
Dual Completion



R 4 W

EL PASO
3756 T.D.
3743 P.B.
367 T.P.(PC)
F 635 MCF
10-2-57

EL PASO

32

San Juan 27-4
EL PASO

EL PASO

El Paso Natural Gas Co.

El Paso, Texas 79999

34

El Paso
San Juan 27-4

7085'

*34

8540 T.D.
8502 P.B.
8084 T.P.(D&L)
1183 MCF
9-3-64

T
27
N

7185' *8
8496 T.D.
8400 P.B.
8182 T.P/D&L
3462 MCF
11-9-61

7149 K.B.
8643 T.D.
1629 MCF
9-9-65
7206' *27
4095 T.D.
4075 P.B.
4000 T.P.(PC)
F 2530 MCF
9-4-56

6373 T.D.
6330 P.B.
6176 T.P.(M.)
F 3435 MCF
10-27-60

4.79 Ac 4.4172 Ac 3.4 68 Ac 2.4162 Ac 4.1364 Ac 3.1180 Ac 2.1104 Ac 40.91 Ac 4.4077 Ac 3.4064 Ac 2.4050 Ac

CONSOLIDATED

Consolidated
Hoyt

PAN AM

PAN AM

5
6383 T.D.
6337 P.B.
4072 T.P.(PC)
4476 MCF
6132 T.P.(Mv)
2558 MCF
3-30-64
7302 *2
4111 T.D.
4109 P.B.
4030 T.P.(PC)
F 9602 MCF
5-22-57
7187
6030 T.D.
3920 T.P.(PC)
F 2268 MCF
10-8-58
Carilla Apache N
NW PRODUCTION
Consolidated
Hoyt

7168' *10
8575 T.D.
8560 P.B.
8150 T.P/D&L
1523 MCF
8-20-65
4045 T.D.
3940 T.P.(PC)
F 1884 MCF
10-16-56
6422 T.D.
6074 T.P.(Mv)
F 3163 MCF
9-3-58
Jicarilla Apache 102
PI 228185
4-2-62
640 Ac
(2567.944c)
Subj. to P/P
4045 T.D.
3940 T.P.(PC)
F 1884 MCF
10-16-56
6422 T.D.
6074 T.P.(Mv)
F 3163 MCF
9-3-58

7909 *1
8192 T.D.
8150 P.B.
7964 T.P/D&L
2482 MCF
9-12-63
Jicarilla Apache 102
PAN AMERICAN
PI 228185
4-2-62
640 Ac
(2567.944c)
Subj. to P/P
8120 T.D.
8075 P.B.
7848 T.P/D&L
3092 MCF
6-12-63
6922' *6
3720 T.D.
3646 T.P.(PC)
F 1967 MCF
9-21-56
OWDD
6100 T.D.
5540 T.P.(Mv)
F 1931 MCF
3-25-58

8
6383 T.D.
6337 P.B.
4072 T.P.(PC)
4476 MCF
6132 T.P.(Mv)
2558 MCF
3-30-64
7302 *2
4111 T.D.
4109 P.B.
4030 T.P.(PC)
F 9602 MCF
5-22-57
7187
6030 T.D.
3920 T.P.(PC)
F 2268 MCF
10-8-58
Carilla Apache N
NW PRODUCTION
Consolidated
Hoyt
7177 *7
6216 T.D.
6200 P.B.
3684 T.P.(PC)
F 2335 MCF
5566 T.P.(Mv)
F 4952 MCF
9-14-56
EL 6814
3672 T.D.
3492 T.P.(PC)
F 5104 MCF
8-3-56
CONSOLIDATED
Consolidated Oil & Gas Inc.
Writer Bldg. 4150 E. Mexico Ave.
Denver, Colorado 80222
7130 T.P.(D&L)
F 1048 MCF
6-3-57

PAN AM
7151' *14
8320 T.D.
8285 P.B.
8048 T.P.(D&L)
2908 MCF
10-23-63
7148' *2
8320 T.D.
8285 P.B.
8019 T.P.(D&L)
2948 MCF
10-10-63
Jicarilla Apache 102
PAN AMERICAN
PI 228185
4-2-62
640 Ac
(2567.944c)
Subj. to P/P
7115 *3
3911 T.D.
3870 P.B.
3794 T.P.(PC)
F 1754 MCF
7-17-56

PAN AM
7142' *2
8320 T.D.
8285 P.B.
8019 T.P.(D&L)
2948 MCF
10-10-63
7151' *13
8355 T.D.
8307 P.B.
7997 T.P.
1770 MCF
10-8-63
Jicarilla Apache 102
PI 228185
4-2-62
640 Ac
(2567.944c)
Subj. to P/P
6836' *1
3589 T.D.
3525 T.P.(PC)
F 19300 MCF
5-1-55

T
26
N

PAN AMERICAN PET. CORP.
LOCATION PLAT
TO ACCOMPANY APPLICATION
FOR DUAL COMPLETION
JICARILLA APACHE 102-WELL NO. 10

6771' *2-H
3489 T.D.
3470 P.B.
3428 T.P.(PC)
F 920 MCF
8-6-56
17
Jicarilla Apache N
SO. UNION
See 2 2-58
5-5-60

R 4 W

5988 T.C.
1950 P.B.
1670 T.P.(P)
1715 MCF
768 T.P.(Mv)
24.3 MCF
7.3-58

EL PASO

32

San Juan 27.4
EL PASO

7185
8496 T.D.
8400 P.B.
8182 T.P.(Dak)
8462 MCF
11-2-61

6861
*10
3756 T.D.
3743 P.B.
367 T.P.(P)
629 MCF
10-2-57

EL PASO

El Paso Natural Gas Co.
El Paso, Texas 79999

6373 T.D.
8330 P.B.
6176 T.P.(Mv)
F 3435 MCF
10-27-60

34

El Paso
San Juan 27.4
7085
*34
8340 T.D.
8302 P.B.
8084 T.P.(Dak)
1183 MCF
9-3-64

T
27
N

CONSOLIDATED

Consolidated
Hoyt

6383 T.D.
6337 P.B.
4072 T.P.(P)
4476 MCF
6132 T.P.(Mv)
2558 MCF
5-30-64

7298 T.D.
*Dual
8524 T.D.
8480 P.B.
7772 T.P.(Dak)
4966 MCF
8280 T.P.(Dak)
5545 MCF
2-19-64

5

7302
8515 T.D.
8478 P.B.
6092 T.P.(Mv)
1493 MCF
7740 T.P.(Dak)
8274 T.P.(Dak)
5252 MCF
3-5-64

718
*1
4030 T.D.
3920 T.P.(P)
F 2268 MCF
10-8-58

Carilla Apache N
W. PRODUCTION

Consolidated
N.W. Federal
8355 T.D.
8350 P.B.
7614 T.P.(Dak)
392 MCF
2159 MCF
6-2-64

8

CONSOLIDATED

Consolidated Oil & Gas Inc.
Writer Bldg. 4150 E. Mexico Ave.
Denver, Colorado 80222

713 T.P.(Dak)
F 1048 MCF
6-3-57

6771
*2-H
3489 T.D.
3470 P.B.
3428 T.P.(P)
F 920 MCF
8-6-56

17

Jicarilla Apache N
50. UNIC
56 e 2 2 52
5-5-60

PAN AM

6375 T.D.
8560 P.B.
8150 T.P.(Dak)
1523 MCF
8-20-63

*10

Jicarilla Apache 102
PI 228185
4-2-62
6866 (2567.944c)
Subj. to P/P

*4

4045 T.D.
3940 T.P.(P)
F 1284 MCF
10-16-56
6422 N.T.D.
6074 N.T.P.(Mv)
F 3163 MCF
9-2-58

8416 T.D.
8378 P.B.
8193 T.P.(Dak)
7693 MCF
8-21-63

4

6866 (2567.944c)
Subj. to P/P

PAN AM

7181

*14
8320 T.D.
8285 P.B.
8048 T.P.(Dak)
2998 MCF
10-28-63

9

Jicarilla Apache 102
PAN AMERICAN
PI 228185
4-2-62
6804c
(2567.944c)
Subj. to P/P

*3

3911 T.D.
F 7941 MCF
7-17-56

7142

12 *2
8320 T.D.
8285 P.B.
8018 T.P.(Dak)
2948 MCF
10-10-63

9

Jicarilla Apache 102
PAN AMERICAN
PI 228185
4-2-62
6804c
(2567.944c)
Subj. to P/P

*3

3911 T.D.
F 7941 MCF
7-17-56

PAN AM

8416 T.D.
8378 P.B.
8193 T.P.(Dak)
7693 MCF
8-21-63

4

6866 (2567.944c)
Subj. to P/P

*4

4045 T.D.
3940 T.P.(P)
F 1284 MCF
10-16-56
6422 N.T.D.
6074 N.T.P.(Mv)
F 3163 MCF
9-2-58

PAN AM

7142

12 *2
8320 T.D.
8285 P.B.
8018 T.P.(Dak)
2948 MCF
10-10-63

9

Jicarilla Apache 102
PAN AMERICAN
PI 228185
4-2-62
6804c
(2567.944c)
Subj. to P/P

*3

3911 T.D.
F 7941 MCF
7-17-56

PAN AM

7142

12 *2
8320 T.D.
8285 P.B.
8018 T.P.(Dak)
2948 MCF
10-10-63

9

Jicarilla Apache 102
PAN AMERICAN
PI 228185
4-2-62
6804c
(2567.944c)
Subj. to P/P

*3

3911 T.D.
F 7941 MCF
7-17-56

PAN AM

7142

12 *2
8320 T.D.
8285 P.B.
8018 T.P.(Dak)
2948 MCF
10-10-63

9

Jicarilla Apache 102
PAN AMERICAN
PI 228185
4-2-62
6804c
(2567.944c)
Subj. to P/P

*3

3911 T.D.
F 7941 MCF
7-17-56

PAN AM

7142

12 *2
8320 T.D.
8285 P.B.
8018 T.P.(Dak)
2948 MCF
10-10-63

9

Jicarilla Apache 102
PAN AMERICAN
PI 228185
4-2-62
6804c
(2567.944c)
Subj. to P/P

*3

3911 T.D.
F 7941 MCF
7-17-56

PAN AM

7142

12 *2
8320 T.D.
8285 P.B.
8018 T.P.(Dak)
2948 MCF
10-10-63

9

Jicarilla Apache 102
PAN AMERICAN
PI 228185
4-2-62
6804c
(2567.944c)
Subj. to P/P

*3

3911 T.D.
F 7941 MCF
7-17-56

PAN AM

7142

12 *2
8320 T.D.
8285 P.B.
8018 T.P.(Dak)
2948 MCF
10-10-63

9

Jicarilla Apache 102
PAN AMERICAN
PI 228185
4-2-62
6804c
(2567.944c)
Subj. to P/P

*3

3911 T.D.
F 7941 MCF
7-17-56

PAN AM

7142

12 *2
8320 T.D.
8285 P.B.
8018 T.P.(Dak)
2948 MCF
10-10-63

9

Jicarilla Apache 102
PAN AMERICAN
PI 228185
4-2-62
6804c
(2567.944c)
Subj. to P/P

*3

3911 T.D.
F 7941 MCF
7-17-56

PAN AM

7142

12 *2
8320 T.D.
8285 P.B.
8018 T.P.(Dak)
2948 MCF
10-10-63

9

Jicarilla Apache 102
PAN AMERICAN
PI 228185
4-2-62
6804c
(2567.944c)
Subj. to P/P

*3

3911 T.D.
F 7941 MCF
7-17-56

PAN AM

7142

12 *2
8320 T.D.
8285 P.B.
8018 T.P.(Dak)
2948 MCF
10-10-63

9

Jicarilla Apache 102
PAN AMERICAN
PI 228185
4-2-62
6804c
(2567.944c)
Subj. to P/P

*3

3911 T.D.
F 7941 MCF
7-17-56

PAN AM

7142

12 *2
8320 T.D.
8285 P.B.
8018 T.P.(Dak)
2948 MCF
10-10-63

9

Jicarilla Apache 102
PAN AMERICAN
PI 228185
4-2-62
6804c
(2567.944c)
Subj. to P/P

*3

3911 T.D.
F 7941 MCF
7-17-56

PAN AM

7142

12 *2
8320 T.D.
8285 P.B.
8018 T.P.(Dak)
2948 MCF
10-10-63

9

Jicarilla Apache 102
PAN AMERICAN
PI 228185
4-2-62
6804c
(2567.944c)
Subj. to P/P

*3

3911 T.D.
F 7941 MCF
7-17-56

PAN AM

7142

12 *2
8320 T.D.
8285 P.B.
8018 T.P.(Dak)
2948 MCF
10-10-63

9

Jicarilla Apache 102
PAN AMERICAN
PI 228185
4-2-62
6804c
(2567.944c)
Subj. to P/P

*3

3911 T.D.
F 7941 MCF
7-17-56

PAN AM

7142

12 *2
8320 T.D.
8285 P.B.
8018 T.P.(Dak)
2948 MCF
10-10-63

9

Jicarilla Apache 102
PAN AMERICAN
PI 228185
4-2-62
6804c
(2567.944c)
Subj. to P/P

*3

3911 T.D.
F 7941 MCF
7-17-56

PAN AM

7142

12 *2
8320 T.D.
8285 P.B.
8018 T.P.(Dak)
2948 MCF
10-10-63

9

Jicarilla Apache 102
PAN AMERICAN
PI 228185
4-2-62
6804c
(2567.944c)
Subj. to P/P

*3

3911 T.D.
F 7941 MCF
7-17-56

PAN AM

7142

12 *2
8320 T.D.
8285 P.B.
8018 T.P.(Dak)
2948 MCF
10-10-63

9

Jicarilla Apache 102
PAN AMERICAN
PI 228185
4-2-62
6804c
(2567.944c)
Subj. to P/P

*3

3911 T.D.
F 7941 MCF
7-17-56

PAN AM

7142

12 *2
8320 T.D.
8285 P.B.
8018 T.P.(Dak)
2948 MCF
10-10-63

9

Jicarilla Apache 102
PAN AMERICAN
PI 228185
4-2-62
6804c
(2567.944c)
Subj. to P/P

*3

3911 T.D.
F 7941 MCF
7-17-56

PAN AM

7142

12 *2
8320 T.D.
8285 P.B.
8018 T.P.(Dak)
2948 MCF
10-10-63

9

Jicarilla Apache 102
PAN AMERICAN
PI 228185
4-2-62
6804c
(2567.944c)
Subj. to P/P

*3

3911 T.D.
F 7941 MCF
7-17-56

PAN AM

7142

12 *2
8320 T.D.
8285 P.B.
8018 T.P.(Dak)
2948 MCF
10-10-63

9

Jicarilla Apache 102
PAN AMERICAN
PI 228185
4-2-62
6804c
(2567.944c)
Subj. to P/P

*3

3911 T.D.
F 7941 MCF
7-17-56

PAN AM

7142

12 *2
8320 T.D.
8285 P.B.
8018 T.P.(Dak)
2948 MCF
10-10-63

9

Jicarilla Apache 102
PAN AMERICAN
PI 228185
4-2-62
6804c
(2567.944c)
Subj. to P/P

*3

3911 T.D.
F 7941 MCF
7-17-56

PAN AM

7142

12 *2
8320 T.D.
8285 P.B.
8018 T.P.(Dak)
2948 MCF
10-10-63

9

Jicarilla Apache 102
PAN AMERICAN
PI 228185
4-2-62
6804c
(2567.944c)
Subj. to P/P

*3

3911 T.D.
F 7941 MCF
7-17-56

PAN AM

7142

12 *2
8320 T.D.
8285 P.B.
8018 T.P.(Dak)
2948 MCF
10-10-63

9

Jicarilla Apache 102
PAN AMERICAN
PI 228185
4-2-62
6804c
(2567.944c)
Subj. to P/P

*3

3911 T.D.
F 7941 MCF
7-17-56

PAN AM

7142

12 *2
8320 T.D.
8285 P.B.
8018 T.P.(Dak)
2948 MCF
10-10-63

9

Jicarilla Apache 102
PAN AMERICAN
PI 228185
4-2-62
6804c
(2567.944c)
Subj. to P/P