

# GENERAL AMERICAN OIL COMPANY OF TEXAS

RECEIVED

DEC 16 1971

DISTRICT OFFICE  
BOX 416

OIL CONSERVATION COMM.  
SANTA FE, N.M.

LOCO HILLS, NEW MEXICO 88265  
December 13, 1971

Mr. A. L. Porter  
Secretary - Director  
New Mexico Oil Conservation Commission  
P. O. Box 2088  
Santa Fe, New Mexico 87501

*WFX-363*  
*Due Dec 31*

Dear Sir:

General American Oil Company of Texas hereby makes application for administrative approval to convert two wells, Beeson A #3 and Maddren B #3 to water injection. These wells are located in our Grayburg Jackson Premier Sand Unit Waterflood. The Grayburg Jackson Premier Sand Unit was approved for Waterflood under New Mexico Oil Conservation Commission Order No. R-2749.

Attached in accordance with Rule 701 are the following:

- (1) A plat showing the proposed injection wells and all other wells within a radius of two miles and the formation from which they produce or have produced.
- (2) A portion of the available logs on the proposed wells.
- (3) A diagrammatic sketch of the proposed injection wells showing casing, cement, tubing, packer, open hole, etc.
- (4) A copy of the letter sent to the office of the State Engineer.
- (5) A copy of the letter sent to the offset operator Anadarko Production Company.
- (6) Form C-116 showing response from water injection to the proposed wells.

The Grayburg Jackson Premier Sand Unit is being flooded using a peripheral flood pattern mainly due to the poor well spacing. It is felt that the conversion to injection of Beeson A #3 and Maddren B #3 could possibly effect a more efficient flooding of the center portion of the peripheral, thereby gaining additional oil recovery. Maddren B #3 is currently shut in therefore no oil production loss will result in this conversion and Beeson A #3 is near economic limit producing 5 bopd and 230 bwpd.

A copy of the application with all attachments is being sent to the office of the State Engineer. A letter has also been sent to the offset operator Anadarko Production Company.

Respectfully submitted,

GENERAL AMERICAN OIL CO. OF TEXAS

BY:



W. E. Walter

District Superintendent

WEW/rlc/jm  
Encls.

**GENERAL AMERICAN OIL COMPANY OF TEXAS**

DISTRICT OFFICE  
BOX 416  
LOCO HILLS, NEW MEXICO 88255  
December 13, 1971

Mr. S. E. Reynolds  
State Engineer  
Baton Memorial Building  
Santa Fe, New Mexico 87501

Dear Sir:

Attached is a copy of the application which General American Oil Company of Texas has filed with the New Mexico Oil Conservation Commission requesting administrative approval for the conversion of two wells to water injection in our Grayburg Jackson Premier Sand Unit Waterflood.

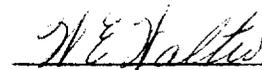
We have also enclosed copies of all exhibits furnished the Commission in support of our request and hope this data will be sufficient for your purpose.

If your office has no objection to these conversions, please so notify the New Mexico Oil Conservation Commission.

Very truly yours,

GENERAL AMERICAN OIL CO. OF TEXAS

BY:



W. E. Walter

District Superintendent

WEW/RLC/jm  
Encls.

# GENERAL AMERICAN OIL COMPANY OF TEXAS

DISTRICT OFFICE  
BOX 418  
LOGO HILLS, NEW MEXICO 88255  
December 13, 1971

Anadarko Production Company  
Box 9317  
Fort Worth, Texas 76107

Attention: Clarence Stumhoffer

Attached is a copy of the application General American Oil Company of Texas has filed with the New Mexico Oil Conservation Commission seeking administrative approval to convert two wells to water injection. The wells are Beeson A #3 and Maddren B #3 located in Section 28 and 27 respectfully Township 17S, Range 30E, Eddy County, New Mexico. These wells are located in our Grayburg Jackson Premier Sand Unit which offsets your Premier Unit R-2323.

Very Truly yours,

GENERAL AMERICAN OIL CO. OF TEXAS

BY: W. E. Walter  
W. E. Walter  
District Superintendent

WEW/rlc/jm  
Encls.

NEW MEXICO OIL CONSERVATION COMMISSION  
GAS - OIL RATIO TESTS

C-116  
Revised 1-1-65

Operator		Pool			County	
General American Oil Company of Texas		Grayburg Jackson			Eddy	
Address		P. O. Box 416, Loco Hills, New Mexico 88255			TEST - (X)	
LEASE NAME		WELL NO.			TYPE OF TEST - (X)	
Beeson A		3			Scheduled <input type="checkbox"/> Special <input checked="" type="checkbox"/>	
LOCATION		DATE OF TEST			CHOKE SIZE	
U S T R		6/66			TBG. PRESS.	
I 28 17S 30E		12/66			DAILY ALLOWABLE	
		6/67			LENGTH OF TEST HOURS	
		12/67			WATER BBL.S.	
		12/68			GRAV. OIL	
		6/69			OIL BBL.S.	
		12/69			GAS M.C.F.	
		6/70			GAS - OIL RATIO CU.F.T./BBL	
		12/70				
		6/71				

No well will be assigned an allowable greater than the amount of oil produced on the official test.  
 During gas-oil ratio test, each well shall be produced at a rate not exceeding the top unit allowable for the pool in which well is located by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in order that well can be assigned increased allowables when authorized by the Commission.  
 Gas volumes must be reported in MCF measured at a pressure base of 15.025 psia and a temperature of 60° F. Specific gravity base will be 0.60.

Report casing pressure in lieu of tubing pressure for any well producing through casing.  
 Mail original and one copy of this report to the district office of the New Mexico Oil Conservation Commission in accordance with Rule 301 and appropriate pool rules.

I hereby certify that the above information is true and complete to the best of my knowledge and belief.

*W. E. Walter*  
 W. E. Walter (Signature)  
 District Superintendent  
 December 13, 1971 (Date)

**NEW MEXICO OIL CONSERVATION COMMISSION  
GAS - OIL RATIO TESTS**

C-116  
Revised 1-1-65

Operator: \_\_\_\_\_ Pool: \_\_\_\_\_ County: \_\_\_\_\_

General American Oil Company of Texas Grayburg-Jackson Eddy

Address: P. O. Box 416, Loco Hills, New Mexico 88255

LEASE NAME	WELL NO.	LOCATION			DATE OF TEST	TYPE OF TEST - (X)	SCHEDULED <input type="checkbox"/>	DAILY ALLOWABLE	LENGTH OF TEST HOURS	PROD. DURING TEST			GAS - OIL RATIO CU. FT./BBL					
		U	S	T						WATER BBLs.	GRAV. OIL	OIL BBLs.		GAS M.C.F.				
Maddren B	3	N	27	17S	30E				24	0	4							
														6/66	12/66	18	78	4
														6/67	12/67	109	43	34
														6/68	12/68	123	21	22
														6/69	12/69	96	21	9
														6/70	12/70	61	3	1
6/70	6/70	110	1	0														

No well will be assigned an allowable greater than the amount of oil produced on the official test.  
 During gas-oil ratio test, each well shall be produced at a rate not exceeding the top unit allowable for the pool in which well is located by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in order that well can be assigned increased allowables when authorized by the Commission.  
 Gas volumes must be reported in MCF measured at a pressure base of 15,025 psia and a temperature of 60° F. Specific gravity base will be 0.60.

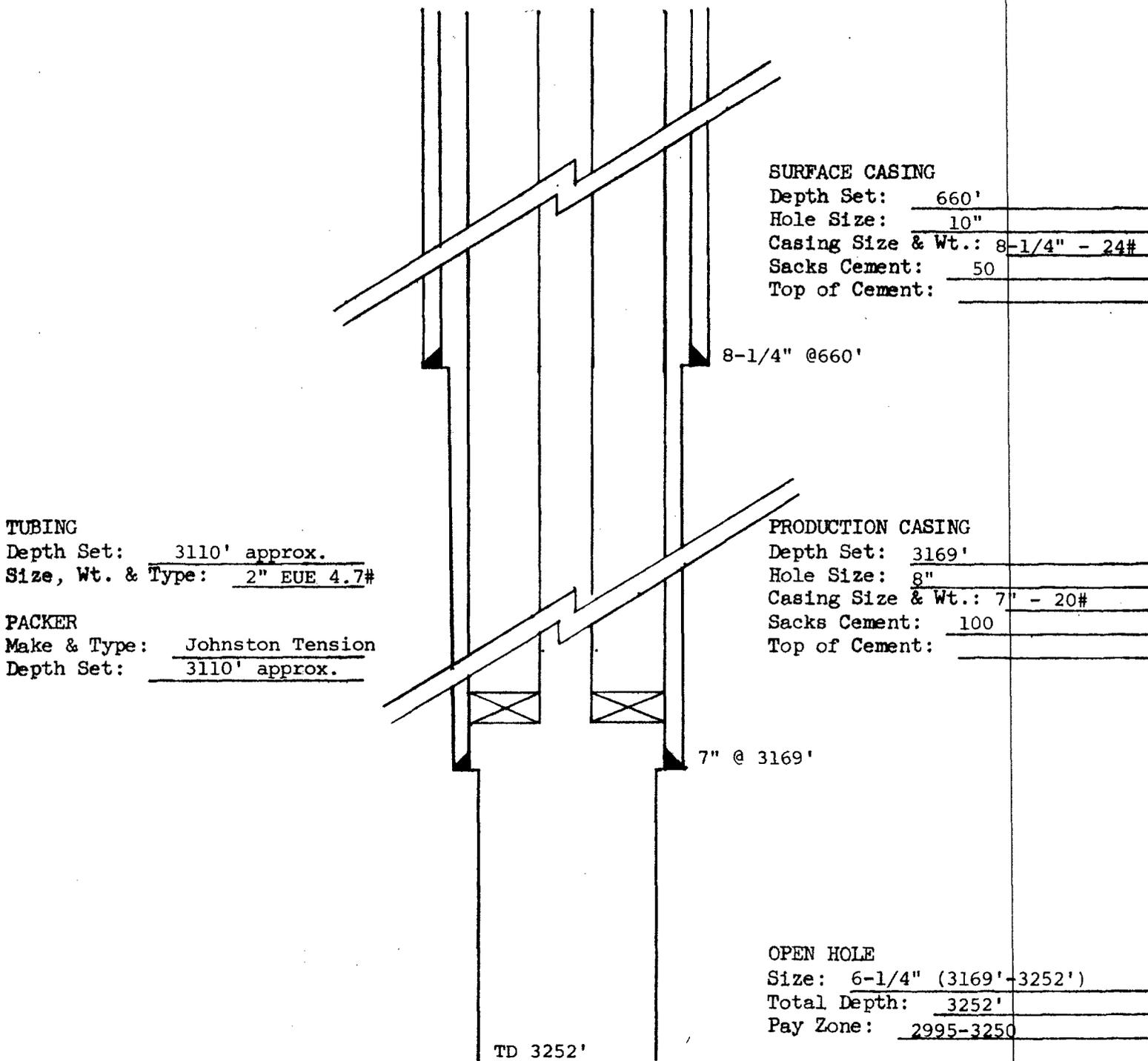
Report casing pressure in lieu of tubing pressure for any well producing through casing.  
 Mail original and one copy of this report to the district office of the New Mexico Oil Conservation Commission in accordance with Rule 301 and appropriate pool rules.

I hereby certify that the above information is true and complete to the best of my knowledge and belief.

*W. E. Walter*  
 W. E. Walter (Signature)  
 District Superintendent  
 December 13, 1971  
 (Date)

GENERAL AMERICAN OIL COMPANY OF TEXAS  
SCHEMATIC DIAGRAM OF  
PROPOSED INJECTION WELL

Lease and Well No.: Maddren B #3  
 Location: 990' feet from South line and  
1650' feet from West line of  
 Section 27 TWP 17S RGE 30E  
 N.M.P.M. Eddy County, New Mexico



**SURFACE CASING**  
 Depth Set: 660'  
 Hole Size: 10"  
 Casing Size & Wt.: 8-1/4" - 24#  
 Sacks Cement: 50  
 Top of Cement: \_\_\_\_\_

8-1/4" @660'

**TUBING**  
 Depth Set: 3110' approx.  
 Size, Wt. & Type: 2" EUE 4.7#

**PACKER**  
 Make & Type: Johnston Tension  
 Depth Set: 3110' approx.

**PRODUCTION CASING**  
 Depth Set: 3169'  
 Hole Size: 8"  
 Casing Size & Wt.: 7" - 20#  
 Sacks Cement: 100  
 Top of Cement: \_\_\_\_\_

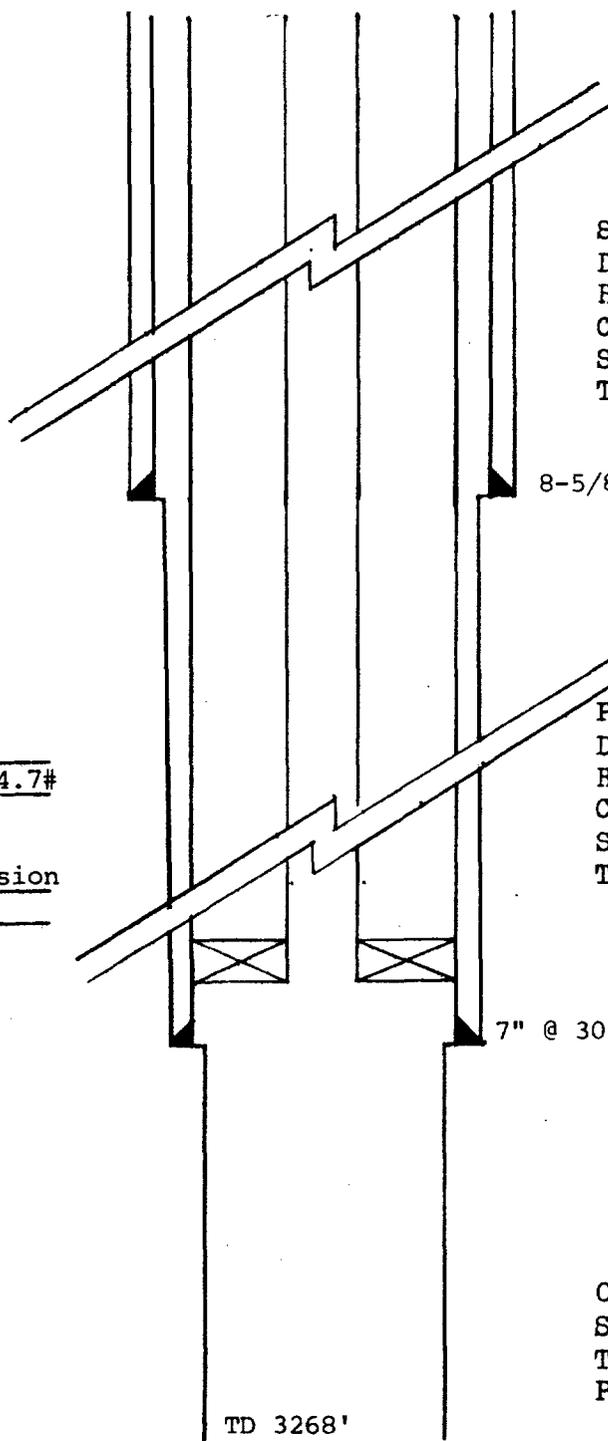
7" @ 3169'

**OPEN HOLE**  
 Size: 6-1/4" (3169'-3252')  
 Total Depth: 3252'  
 Pay Zone: 2995-3250

TD 3252'

GENERAL AMERICAN OIL COMPANY OF TEXAS  
SCHEMATIC DIAGRAM OF  
PROPOSED INJECTION WELL

Lease and Well No.: Beeson A #3  
 Location: 330' feet from South line and  
1650' feet from East line of  
 Section 28 TWP 17S RGE 30E  
 N.M.P.M. Eddy County, New Mexico



SURFACE CASING

Depth Set: 532'  
 Hole Size: 10"  
 Casing Size & Wt.: 8-5/8" - 28#  
 Sacks Cement: 50 Sacks  
 Top of Cement: \_\_\_\_\_

8-5/8" @ 532'

TUBING

Depth Set: 2975' approx.  
 Size, Wt. & Type: 2" EUE 4.7#

PACKER

Make & Type: Johnston Tension  
 Depth Set: 2975'

PRODUCTION CASING

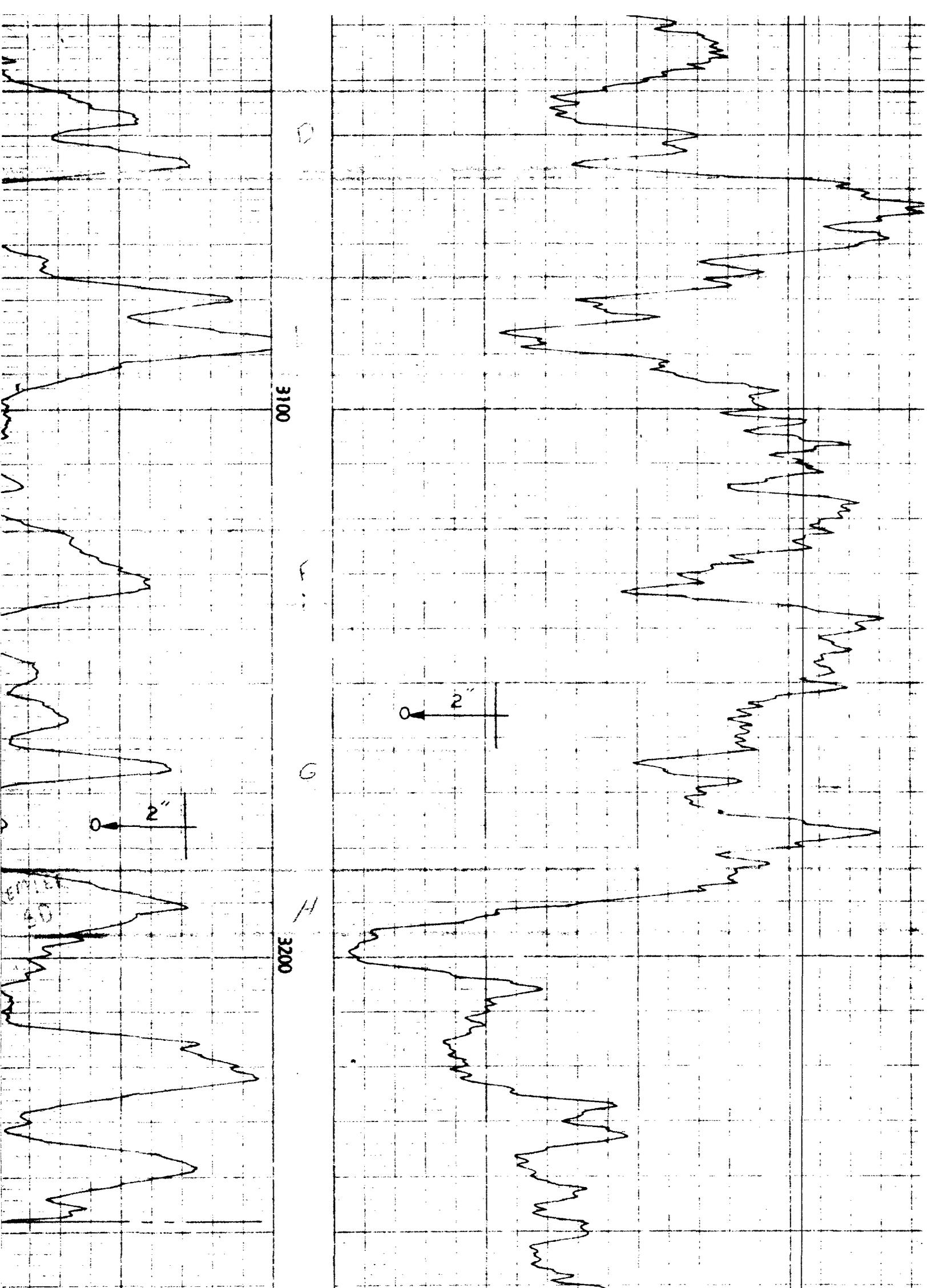
Depth Set: 3025'  
 Hole Size: 8"  
 Casing Size & Wt.: 7" - 24#  
 Sacks Cement: 100  
 Top of Cement: \_\_\_\_\_

7" @ 3025'

OPEN HOLE

Size: 6-1/4" (3025'-3268')  
 Total Depth: 3268'  
 Pay Zone: 3190'-3202'

TD 3268'



R. D. 3248'

T. D. 3263'

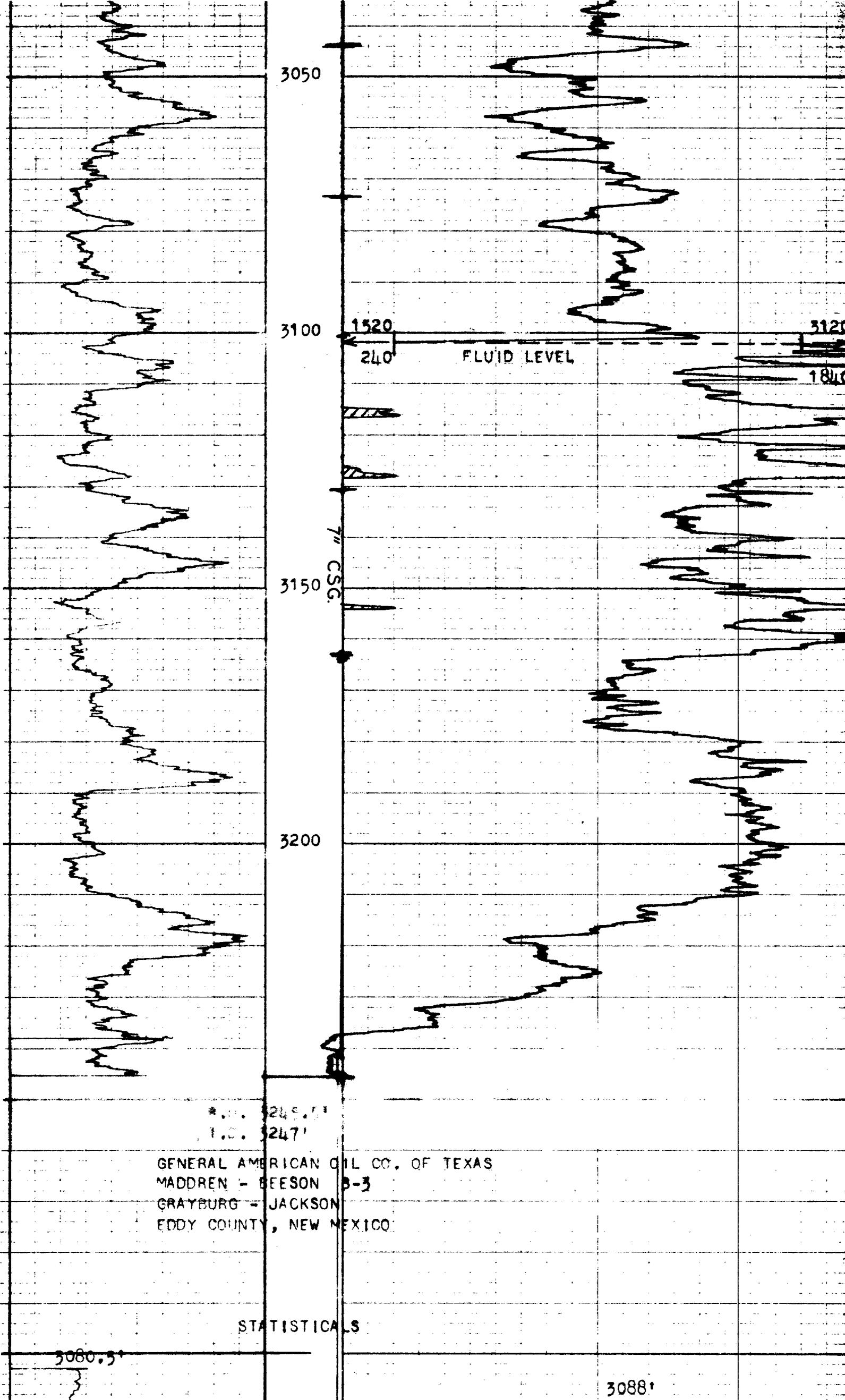
SINCLAIR OIL & GAS COMPANY

C. F. BEESON N° 3

LOCO HILLS

R. D. 3261





3050

3100

3150

3200

\*.0. 3245.0'  
1.0. 3247'

1520  
240

FLUID LEVEL

3120  
1840

7"  
CSG.

GENERAL AMERICAN OIL CO. OF TEXAS  
MADDREN - BEESON B-3  
GRAYBURG - JACKSON  
EDDY COUNTY, NEW MEXICO

STATISTICALS

3080.5'

3088'

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