

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

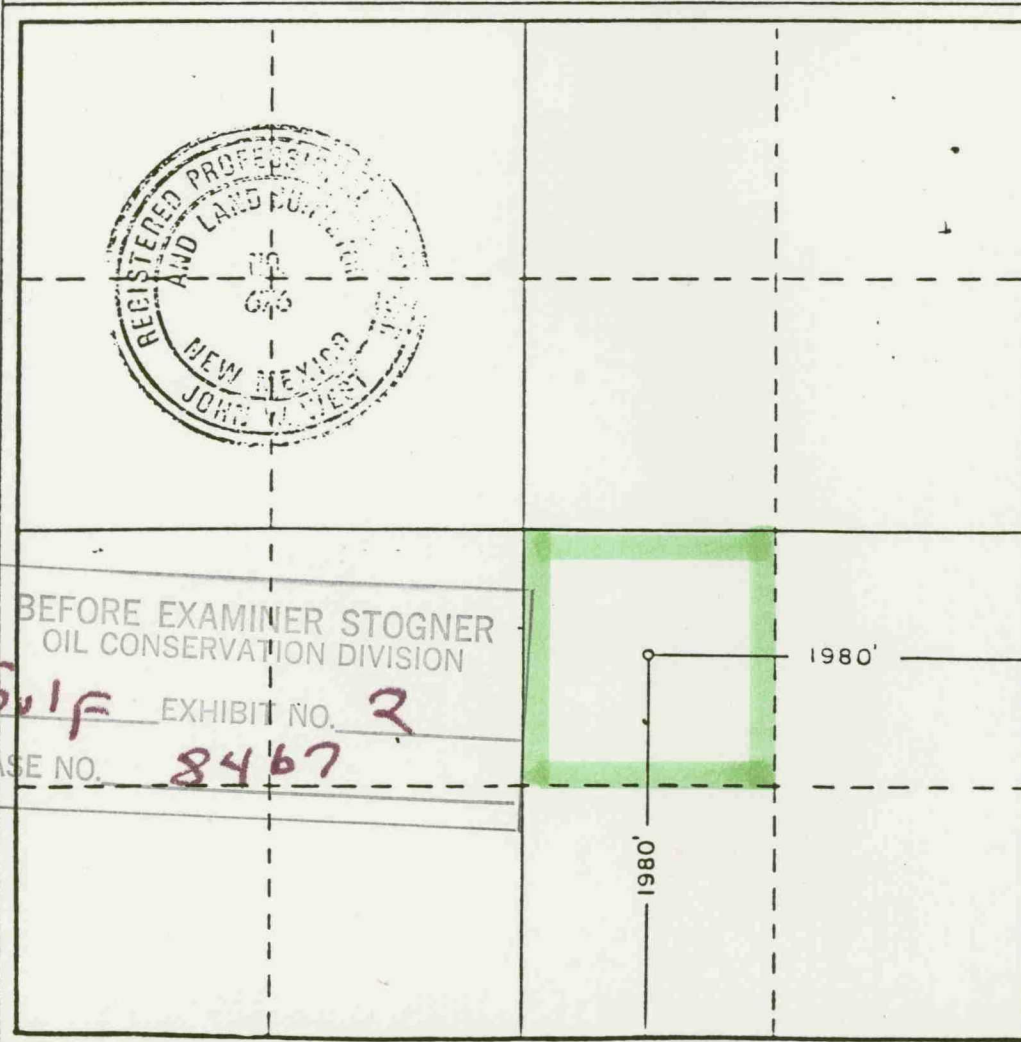
Operator Gulf Oil Corporation			Lease C. D. Woolworth		Well No. 7
Unit Letter J	Section 30	Township 24 South	Range 37 East	County Lea County	
Actual Footage Location of Well: 1980 feet from the South line and 1980 feet from the East line					
Ground Level Elev. 3257.7	Producing Formation Yates 7 Rivers		Pool Jolmat	Dedicated Acreage: 40 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

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

R.D. Pitre

Name

R.D. PITRE

Position

AREA ENGINEER

Company

GULF OIL CORP

Date

10-23-84

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

July 2, 1984

Registered Professional Engineer and/or Land Surveyor

John W. West

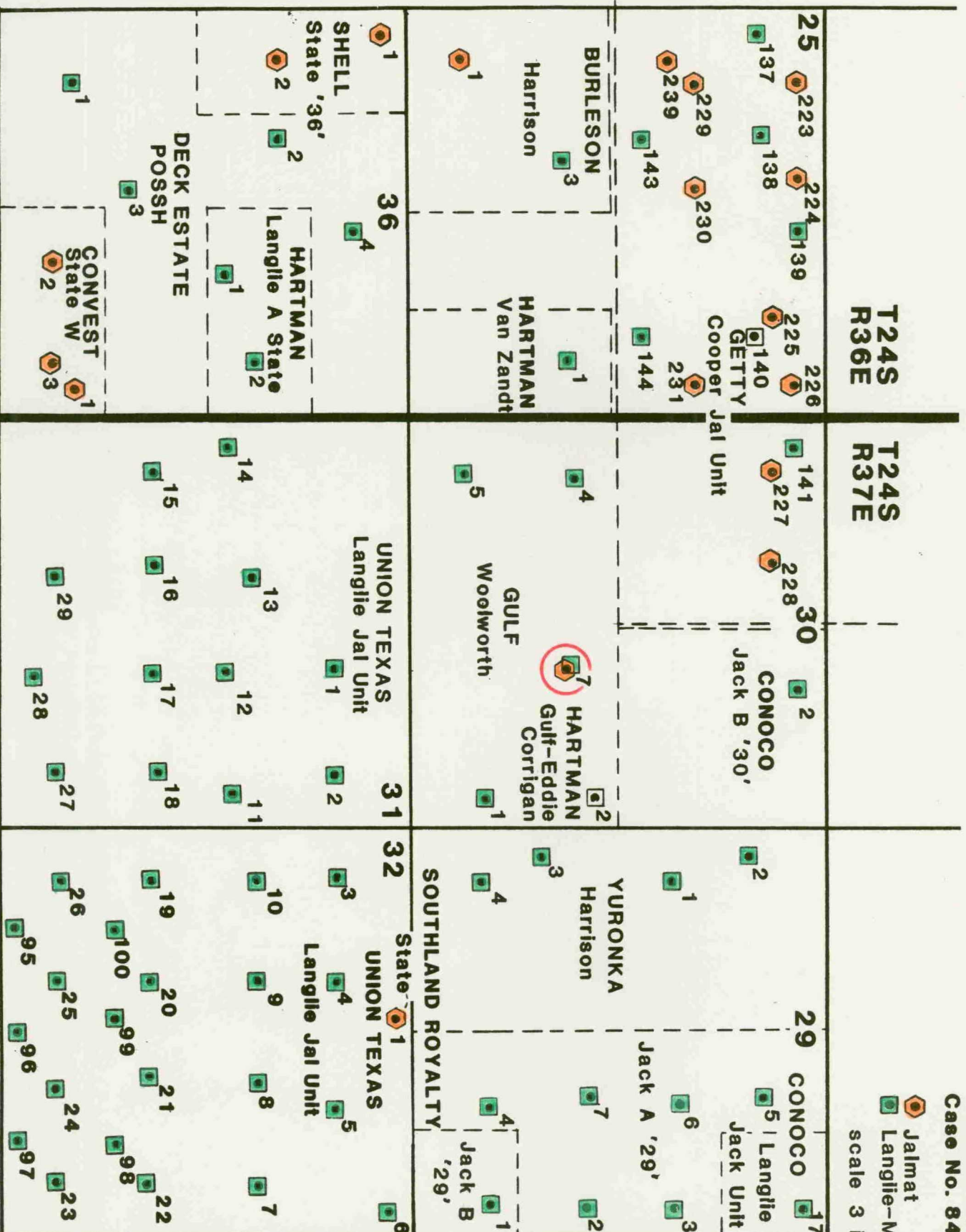
Certificate No. JOHN W. WEST,

676

3259

**Gulf Oil Corporation
DHC C. D. Woolworth No. 7
Jalmat Langlie-Mattix Pools
Case No. 8467**

 **Jalmat**
 **Langlie-Mattix**
scale 3 in : 1 mi



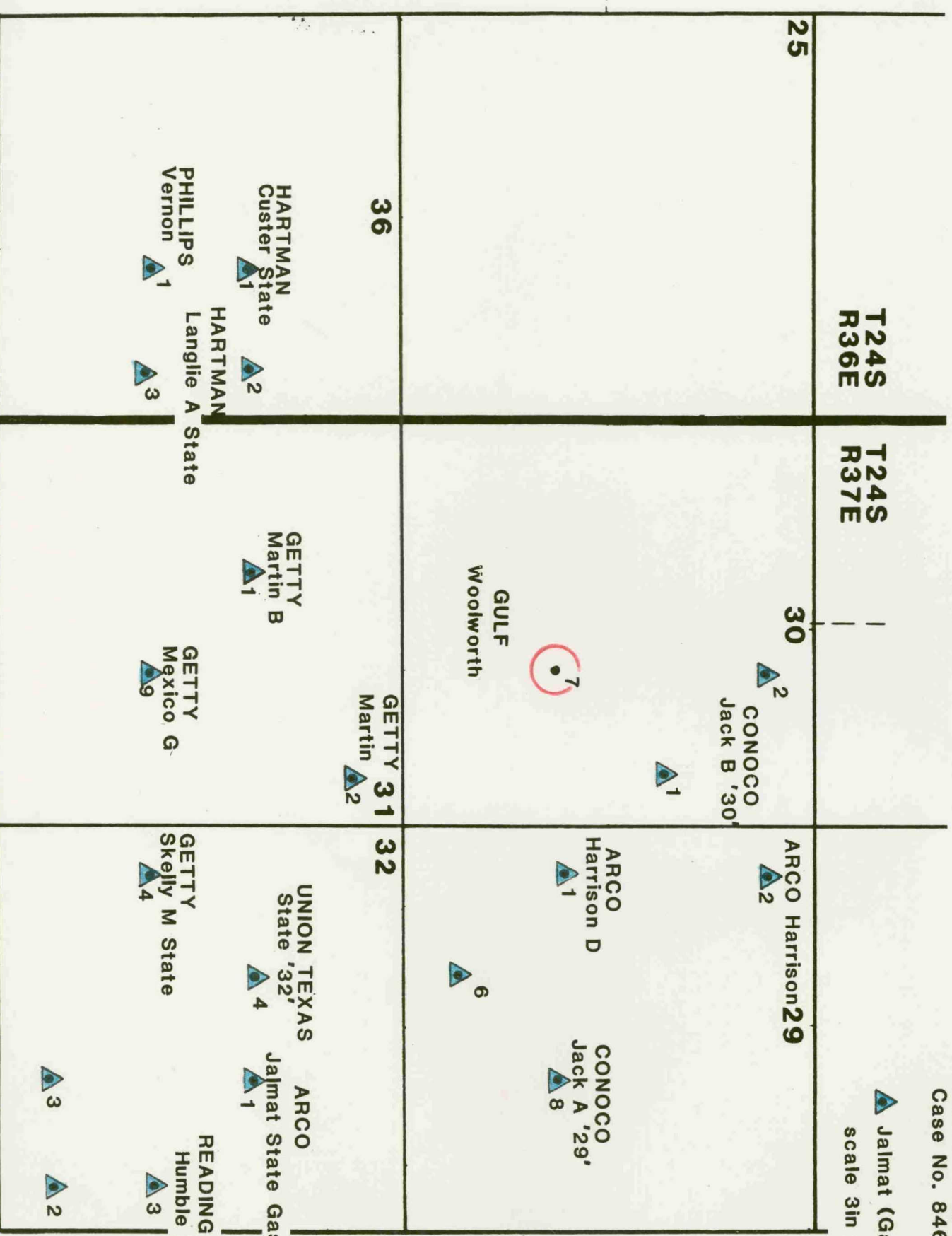
BEFORE EXAMINER STOGNER
OIL CONSERVATION DIVISION

Golf EXHIBIT NO. 3

CASE NO. 8467

Gulf Oil Corporation
DHC C.D. Woolworth No. 7
Jalmat Langlie-Mattix Pools
Case No. 8467

 Jalmat (Gas)
scale 3in : 1mi



- EXHIBIT -

Gulf Oil Corporation
DHC C.D. Woolworth #7
Jalmat and Langlie-Mattix Pool
Lea County, New Mexico
Case No. 8467

DEFENSE EXHIBIT
GULF OIL CORPORATION
Gulf **4**
CASE NO. **8467**

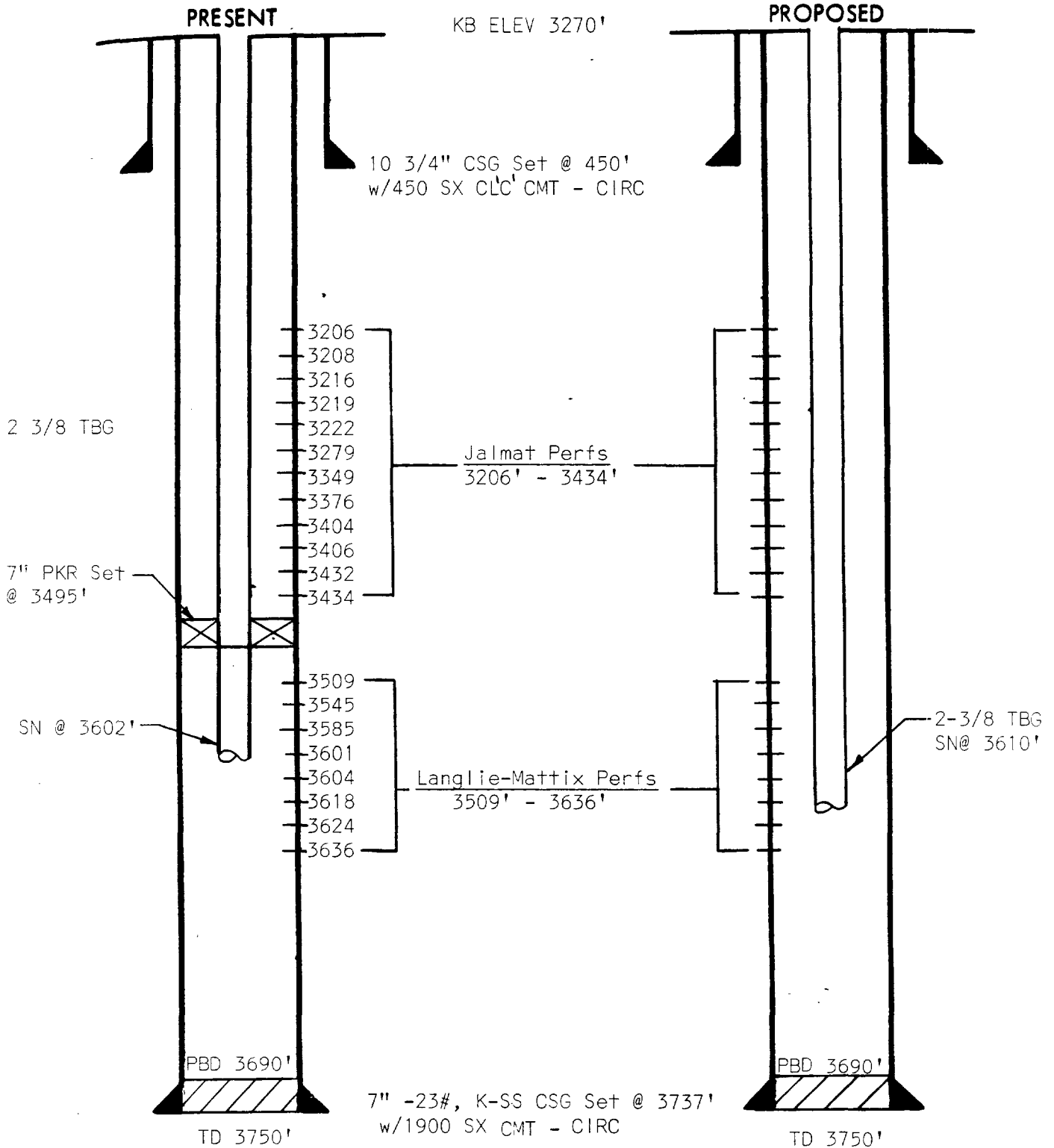


EXHIBIT 5

GULF OIL CORPORATION
DHC C. D. WOOLWORTH #7
JALMAT AND LANGLIE-MATTIX POOLS.
WELL HISTORY
CASE NO. 8467

DEPT. OF THE INTERIOR	5
GULF	
CASE NO.	8467

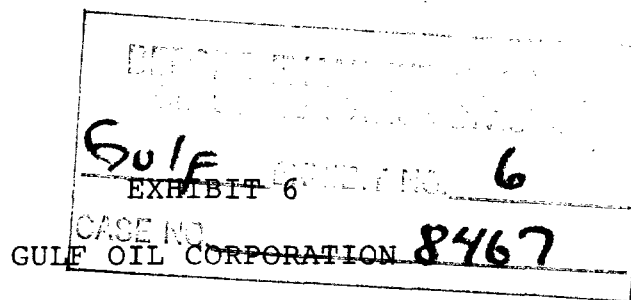
8-1-84, the well was spudded and drilled to a total depth of 3750'. Ten and three-quarter inch surface pipe was set at 450' and cement was circulated to surface. Seven inch production casing was set at 3737' and cement was circulated to the surface.

8-22-84, perforated the Langlie Mattix at 3509', 3545', 3585', 3601', 3604', 3618', 3624', and 3636' with 1-0.4" JHPF. Broke down each perforation with 42 gallons of 15% MCA. Fractured with 5000 gallons of 20# guar and 40,000 gallons of cross-linked 40# HPG with 124,000# of 20/40 mesh sand.

9-6-84, installed electric service and equipped Langlie Mattix to pump.

10-3-84, perforated Jalmat at 3206', 3208', 3216', 3219', 3222', 3279', 3349', 3376', 3404', 3406', 3432', and 3434' with 1-½" JHPF. Broke down each perforation with 42 gallons of 15% MCA. Fractured with 5000 gallons of 20# guar and 33,000 gallons of cross-linked 40# HPG with 50,000# of 10/20 mesh Ottawa sand.

10-10-84, equipped Jalmat to pump.



DHC C. D. WOOLWORTH # 7

JALMAT AND LANALIE-MATTIX POOLS

CASE NO. 8467

RULE 303 (C) (2)

- a. Operator: Gulf Oil Corporation, P. O. Box 670, Hobbs, New Mexico 88240
- b. Lease, Well and Location: C. D. Woolworth #7, Unit J, 1980' FSL and 1980' FEL, Section 30-T24S-R37E, Lea County, New Mexico.
- c. Platts showing dedicated acreage and offset ownership - Exhibits 2 and 3.
- d. Exhibit 7 (Form C-116), current well tests.
- e. Production Decline: The Jalmat gas is expected to decline 20% per year after an IP of 108 MCFPD while the oil will decline 20% per year after an IP of 3 BOPD. The Langlie Mattix gas is expected to decline 15% per year after an IP of 15 MCFPD while the oil will decline 23% per year after an IP of 6 BOPD.
- f. Bottom Hole Pressure: Jalmat BHP at 3224' is 202 psi. Langlie Mattix BHP corrected to 3224' is 242 psi. Exhibit 8 is a copy of field data used to determine current bottom hole pressures.

- g. Fluid Characteristics: The Jalmat and Langlie Mattix are currently commingled in surface facilities located on the C. D. Woolworth lease per Commingling Order PC683 dated 12-10-84. To date, there has been no evidence of fluid incompatibility.
- h. Value of Commingled Fluids: Jalmat and Langlie Mattix oil production is currently being commingled in surface storage facilities on the subject lease. Downhole commingling will not effect the price which is approximately 6 cents per day more than the total revenue from the individual pools. Exhibit 9 shows the relative value of commingled and non-commingled liquids produced on the lease.
- i. The suggested allocation of produced hydrocarbons is based on the percentages of oil and gas produced on the latest C-116.

	<u>Jalmat</u>	<u>Langlie Mattix</u>
Oil	33%	67%
Gas	88%	12%

- j. Statement of Notification - Exhibit 1

Gulf

WILL OIL CORPORATION

... 670, Hobbs, NM 88240

188

Salmat

County

1020

GAS-OIL RATIO TESTS

TYPE OF TEST - IX

☐ polnpiq5

☒ Completed

1612033

[illegible]

no well will be assigned an allowable greater than the amount of oil produced on the official test.

During corewell ratio test, each well shall be produced at a rate not exceeding the top well 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, if needed, to other pools when authorized by the Division.

Gas volumes must be reported in MCF measured at a pressure base of 15.023 psia and a temperature of 60° F. Specific gravity base will be 0.62.

Reports cooling 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 Division 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.

D. R. Johnson
Well Tested

12-14-84

GAS-OIL RATIO TESTS

[illegible]

He will be assigned an allowable greater than the amount of oil produced on the official test.

During test-cell sales 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 allocations when authorized by the Division.

Gas volumes must be reported in MCV measured at a pressure base of 15.025 psia and a temperature of 60° F. Specific gravity base will be 0.60.

Suppose that the following is a $\mathcal{C}$ -category:

Mail original and one copy of this report to the district office of the New Mexico Oil Conservation Division in accordance with Rule 321 and appropriate pool rules.

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

D.R. Lawrence
Bill Tester (510-1-1710)

12-14-84
ITW

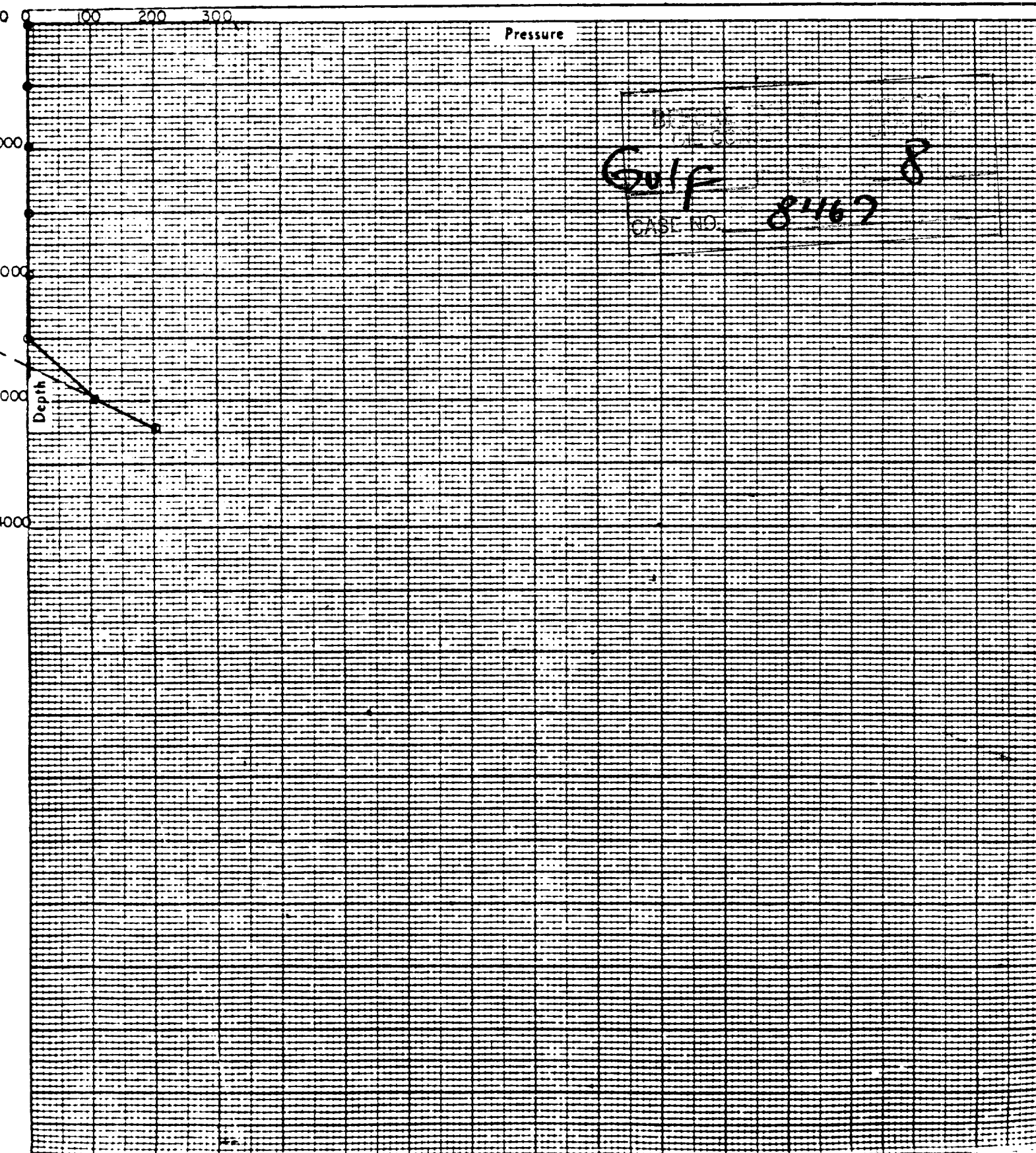
JOHN W. WEST ENGINEERING COMPANY
412 NORTH DAL PASO, HOBBS, NEW MEXICO

TELEPHONES 393-3942
393-3117

BOTTOM HOLE PRESSURE SURVEY REPORT

OPERATOR GULF OIL CORPORATION
LEASE C.B. WOOLWORTH
WELL NO. 7 (Jalmar Upper Zone)
FIELD _____
DATE 12-1-8 TIME 8:00 A.M.
STATUS _____ TEST DEPTH 3224'
TIME S.I. _____ LAST TEST DATE _____
CAS. PRES. _____ BHP LAST TEST _____
TUB. PRES. 0 PSI BHP CHANGE _____
ELEV. _____ FLUID TOP 2750'
DATUM _____ WATER TOP _____
TEMP _____ RUN BY R.B.
CLOCK NO. 23123 GAUGE NO. 19389
ELEMENT NO. 18129 (0-2500 PSI)

DEPTH	PRESSURE	GRADIENT
000	000	
500	000	Neg.
1000	000	Neg.
1500	000	Neg.
2000	000	Neg.
2500	000	Neg.
3000	108	.108
3224	202	.420



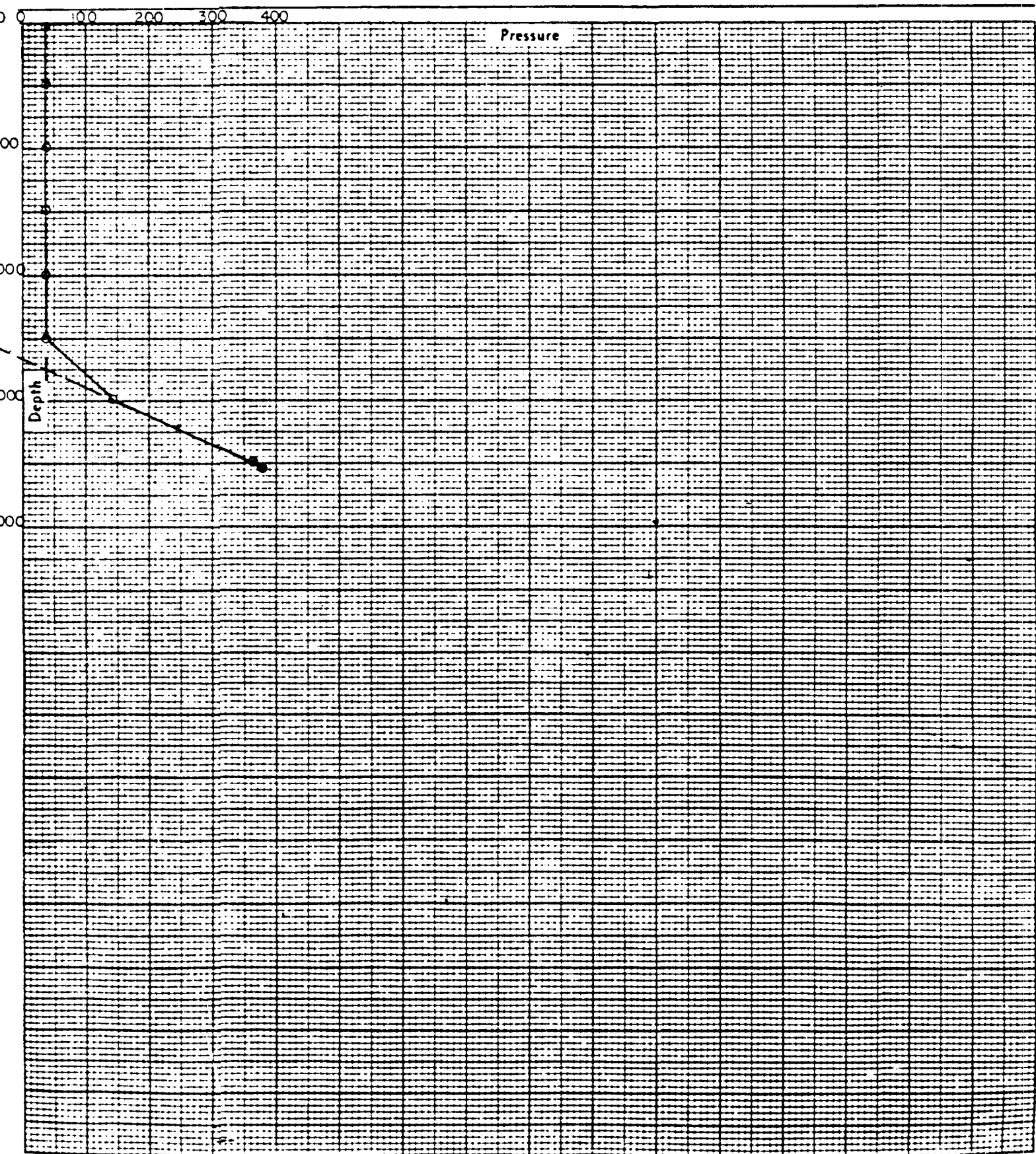
JOHN W. WEST ENGINEERING COMPANY
412 NORTH DAL PASO, HOBBS, NEW MEXICO

TELEPHONES 393-3942
393-3117

BOTTOM HOLE PRESSURE SURVEY REPORT

OPERATOR GULF OIL CORPORATION
LEASE C.B. WOOLWORTH Langlie Mattix
WELL NO. 7 Lower Zone.
FIELD _____
DATE 12-1-84 TIME 8:45 A.M.
STATUS Shut-In TEST DEPTH 3530'
TIME S.I. _____ LAST TEST DATE _____
CAS. PRES. _____ BHP LAST TEST _____
TUB PRES. 35 PSI BHP CHANGE _____
ELEV. _____ FLUID TOP 2750'
DATUM _____ WATER TOP _____
TEMP _____ RUN BY R.B.
CLOCK NO. 23123 GAUGE NO. 19389
ELEMENT NO. 18129 (0-2500 PSI)

DEPTH	PRESSURE	GRADIENT
000	035	
500	035	Neg.
1000	035	Neg.
1500	035	Neg.
2000	035	Neg.
2500	035	Neg.
3000	142	.214
3500	366	.448
3530	380	.467



- EXHIBIT 9 -

C. D. WOOLWORTH LEASE, TANK BATTERY
Section 30-T24S-R37E
LEA COUNTY, NEW MEXICO

<u>WELLS AND POOL</u>	<u>PRODUCTION</u>		<u>TOTAL</u>	<u>AVG. BOPD</u>
	<u>AUG. 84</u>	<u>SEPT 84</u>		
C. D. Woolworth #7 Jalmat				3
C. D. Woolworth #4, 5, 7	313	310	623	10.2
	<u>BOPD</u>	<u>GRAVITY</u>	<u>\$/BBL</u>	<u>\$/DAY</u>
Jalmat	3	31.3	31.33	93.99
Langlie Mattix	10.2	32.6	31.35	319.77
TOTAL				413.76
Commingled	13.2	32.3	31.35	413.82
			Difference	+0.06

