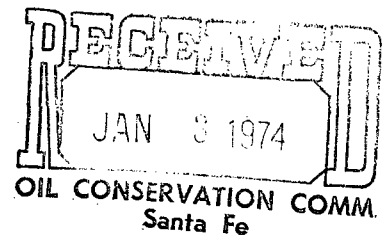


TERRA RESOURCES, INC.



GULF COAST PRODUCTION DISTRICT OFFICE
1638 BANK OF THE SOUTHWEST BUILDING
HOUSTON, TEXAS 77002
(713) 225-2161

DHC-139
Due 1-23-74



December 31, 1973

Oil Conservation Commission
State of New Mexico
P. O. Box 2088
Santa Fe, New Mexico 87501

Attn: Mr. A. L. Porter, Jr.
Secretary - Director

Gentlemen:

Permission is requested to down-hole co-mingle production in our dually completed Carlson B-13 #5 well. In support of this request, we enclose the following information in duplicate.

- (a) Operator: Terra Resources, Inc.
1638 Bank of the Southwest Bldg.
Houston, Texas 77002
- (b) Well: Carlson B-13 #5 located in Unit "G" of Section 13,
T 25 S, R 37 E, NMPM, Justis Field, Lea County, New Mexico.
- (c) Producing Pools Involved:
Justis - Blinebry ✓
Justis - Tubbs - Drinkard ✓
Dual Completion Order - Administrative Order
No. M-C-1985 dated May 26, 1972. ✓
- (d) Current GOR Tests - Form 116 for each zone.
- (e) Production Decline curves for each zone.
- (f) Bottom-hole pressure for the Blinebry Zone and an estimated BHP for the Tubbs-Drinkard Zone.
- (g) Crude Analysis on oil from each zone to show that they are compatible for mixing.
- (h) Crude Analysis also shows gravity of the two oils is so similar that value of the co-mingled crude will not be affected.

Mr. A. L. Porter, Jr.
Secretary - Director

-2-

Dec. 31, 1973

(i) Offset operators notified by copy of this letter.

Yours very truly,

TERRA RESOURCES, INC.

By: W. A. Middleton
W. A. Middleton, District Engineer

WAM:lv

Encl.

cc New Mexico Conservation Commission
P. O. Box 1980
Hobbs, New Mexico 88240

Leonard Oil Company
P. O. Box 400
Roswell, New Mexico

Texas Pacific Oil Company
P. O. Box 1069
Hobbs, New Mexico

Union Texas Petroleum Company
P. O. Box 196
Midland, Texas

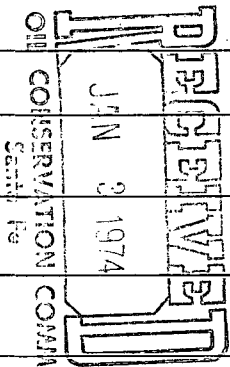
C-116
Revised 1-1-65

(Date)

NEW MEXICO OIL CONSERVATION COMMISSION
GAS-OIL RATIO TESTS

C-116
Revised 1-1-65

Operator Terra Resources, Inc.		Pool Justice (Tubb-Drinkard)		County Lea									
Address 1638 Bank of SW Bldg., Houston, Texas 77002		TYPE OF TEST - (X)		Completion <input type="checkbox"/> Special <input checked="" type="checkbox"/>									
LEASE NAME Carlson "B" 13	WELL NO. 5	LOCATION U S T R			DATE OF TEST 12/10-11/73	STATUS Pumping	CHOKE SIZE 16/64	T.B.G. PRESS. 300	DAILY ALLOW-ABLE	LENGTH OF TEST HOURS 24	PROD. DURING TEST WATER BBLs. GRAV. OIL BBLs. GAS M.C.F.		GAS - OIL RATIO CU.FT./BBL. 83,514



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.

Richard L. West
(Signature)
Engineer
(Title)
December 18, 1973
(Date)

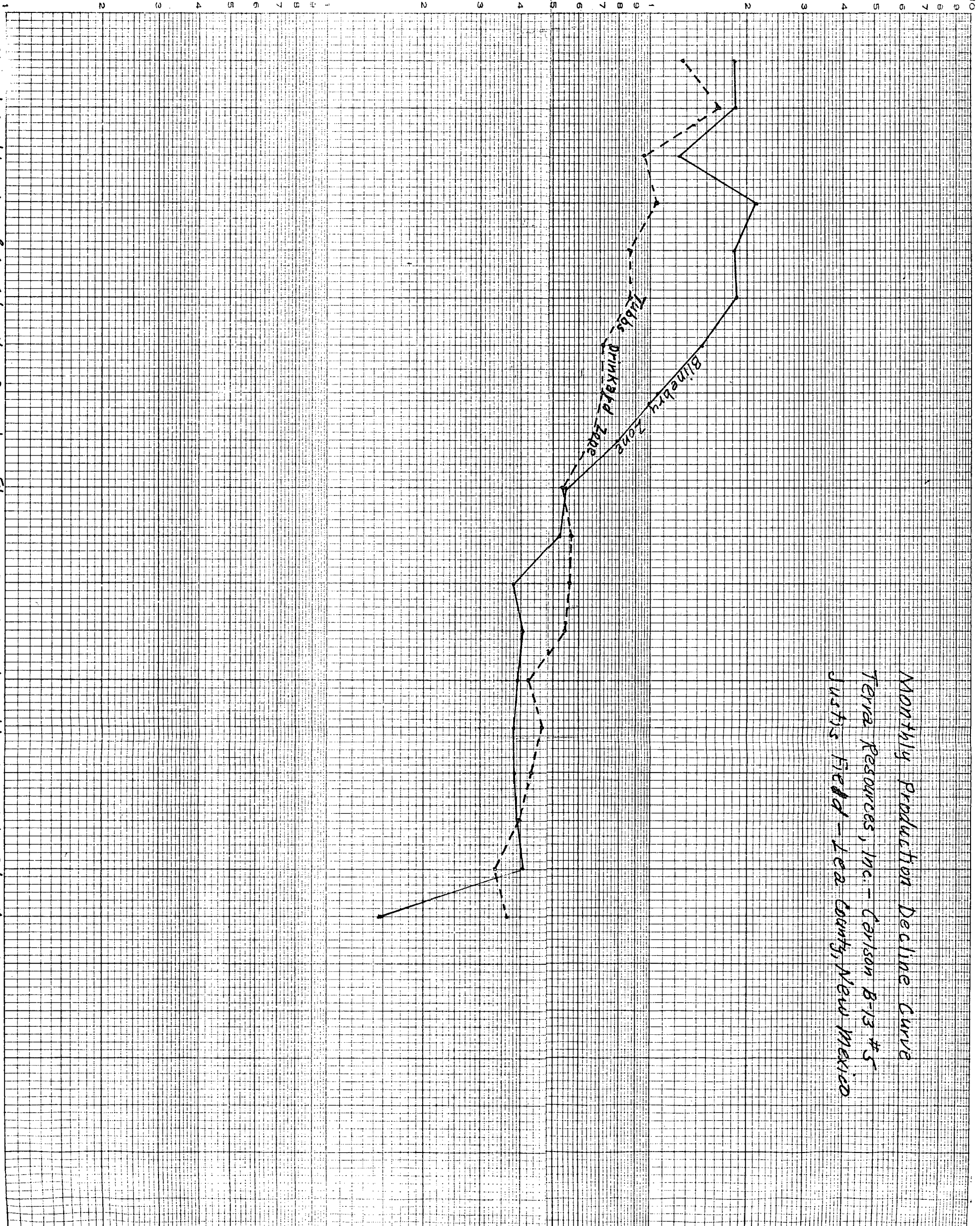
10,000 10

Monthly Production - Bbls.

100

1000

Monthly Production Decline Curve
Terra Resources, Inc. - Carlson B-13 #5
Justis Field - Lea County, New Mexico



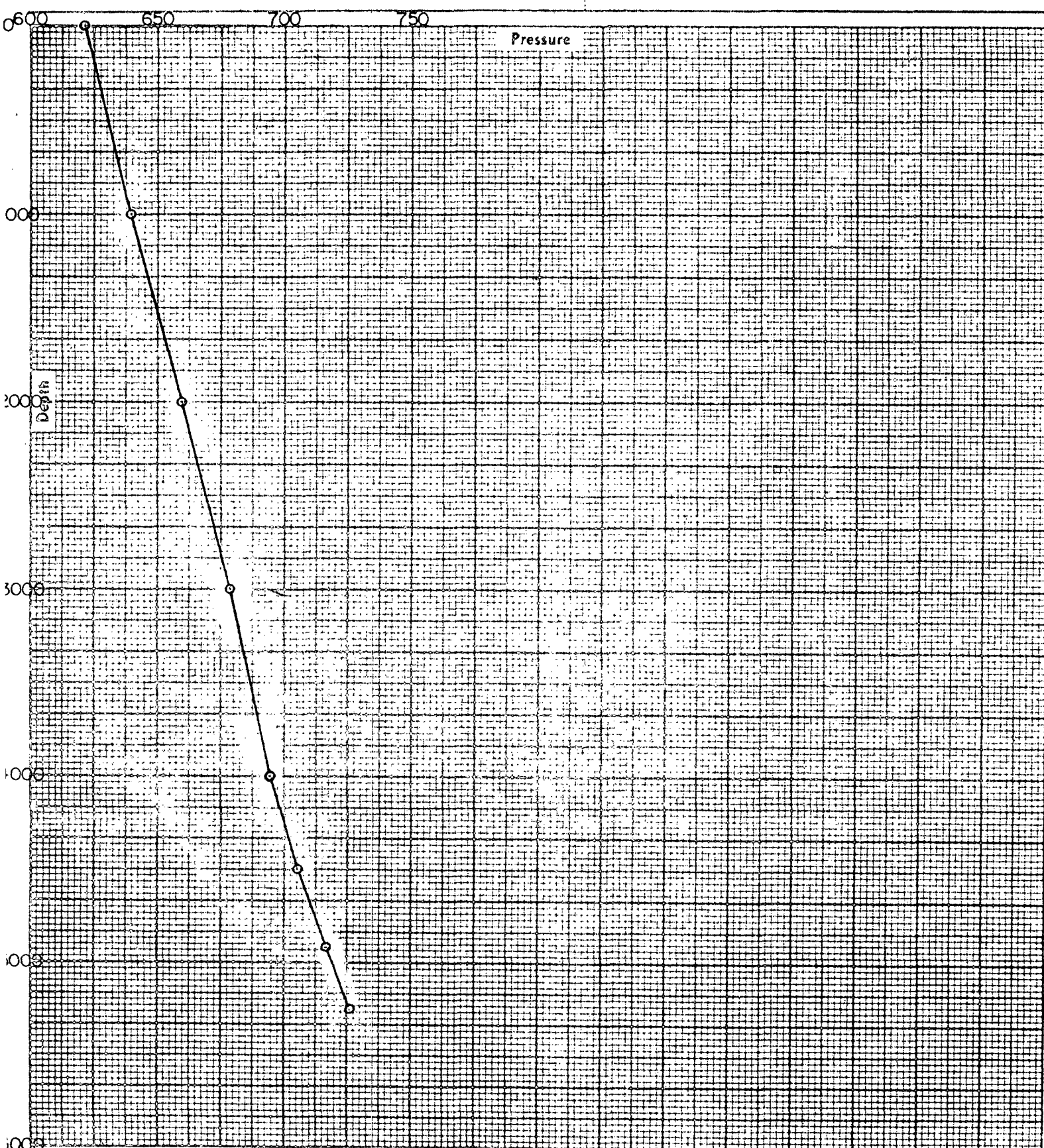
May June July Aug. Sept. Oct. Nov. Dec. Jan. Feb. Mar. Apr. May June July Aug. Sept. Oct. Nov. Dec.
1972 1973

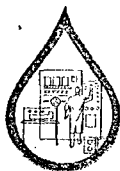
BOTTOM HOLE PRESSURE SURVEY REPORT

OPERATOR TERRA RESOURCES, INC.
LEASE CARLSON "B" 13
WELL NO. 5
FIELD Justis (Blinbry)
DATE 12-13-73 TIME 10:00 a.m.
STATUS Shut-in TEST DEPTH 4,925'
TIME S.I. 26 hrs LAST TEST DATE _____
CAS. PRES. _____ BHP LAST TEST _____
TUB. PRES. 621 BHP CHANGE _____
ELEV. _____ FLUID TOP _____
DATUM _____ WATER TOP _____
TEMP _____ RUN BY G.J.P.
CLOCK NO. 3130 GAUGE NO. 12434
ELEMENT NO. 14659-N

DEPTH	PRESSURE	GRADIENT
000	621	
1000	639	.018
2000	659	.020
3000	678	.019
4000	694	.016
4500	705	.022
4925	717	.028
5256*	726*	.028

*Pressure corrected to center of perforations.





WOLF PETRO LAB, INC.

DIAL EMERSON 6-9701
DIAL EMERSON 6-7171

2411 WEST 42ND STREET

P. O. BOX 643
ODESSA, TEXAS

79760

Terra Resources

Charge Incorporated

Test No. WPL-72-658

Date of Run 5-31-72

Date Received 5-29-72

RECEIVED

LABORATORY REPORT

JUN 5 1972

GULF COAST
PRODUCTION

A Sample of Crude Oil from Carlson "B" - 13 Lease
Secured from Queens - Blinberry - Tubbs Formations
At Lea County, New Mexico
Purpose
Sampling Conditions:

Secured by

Time

Date

SPECIAL ANALYSIS AND TESTS

1	Crude Oil from Queens Formation		
2	Total Sulfur	=	1.01289% by weight
3	API Gravity @ 60° F.	=	40.60
4			
5	Crude Oil from Blinberry Formation		
6	Total Sulfur	=	.71811% by weight
7	API Gravity @ 60° F.	=	38.70
8			
9	Crude Oil from Tubbs Formation		
10	Total Sulfur	=	.56074% by weight
11	API Gravity @ 60° F.	=	37.20
12			
13			
14			
15			
16			
17			
18			
19			
20			

ADDITIONAL DATA AND REMARKS

1
2
3
4
5
6

Run by:

Checked by:

Approved:

COPIES

5 - Mr. Joe Mefford
1638 Bank of the Southwest
Houston, Texas 77002
1 - File

RECEIVED
JAN 3 1974
OIL CONSERVATION COMM
Santa Fe

JOHN WEST ENGINEERING COMPANY

412 NORTH DAL PASO

HOBBS, NEW MEXICO 88240

December 27, 1973

Mr. W.A. Middleton
Terra Resources, Inc.
1638 Bank of SW Bldg.
Houston, Texas 77002

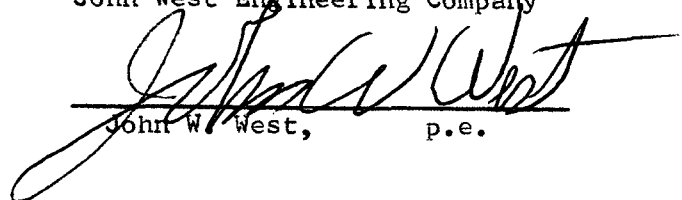
Re: Estimated Bottom Hole Pressure "Carlson "B" 13 No. 5 (Tubb-Drinkard)

Dear Sir:

To obtain a gauged bottom hole pressure on the captioned zone the rods will have to be pulled from the hole. We estimate the pressure to be between 750 and 800 psi. The bottom hole pressure on the Blinbry zone and G O R on both zones are enclosed as requested.

Respectfully submitted,

John West Engineering Company


John W. West, p.e.

