

Case 537

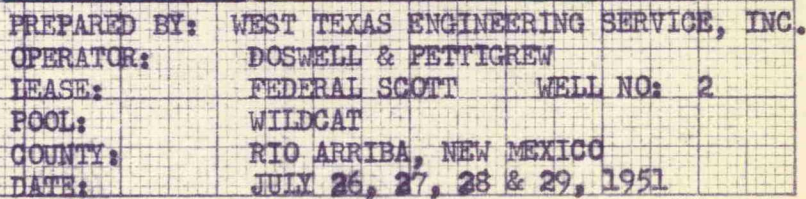
LOWRY et al OPERATING ACCOUNT

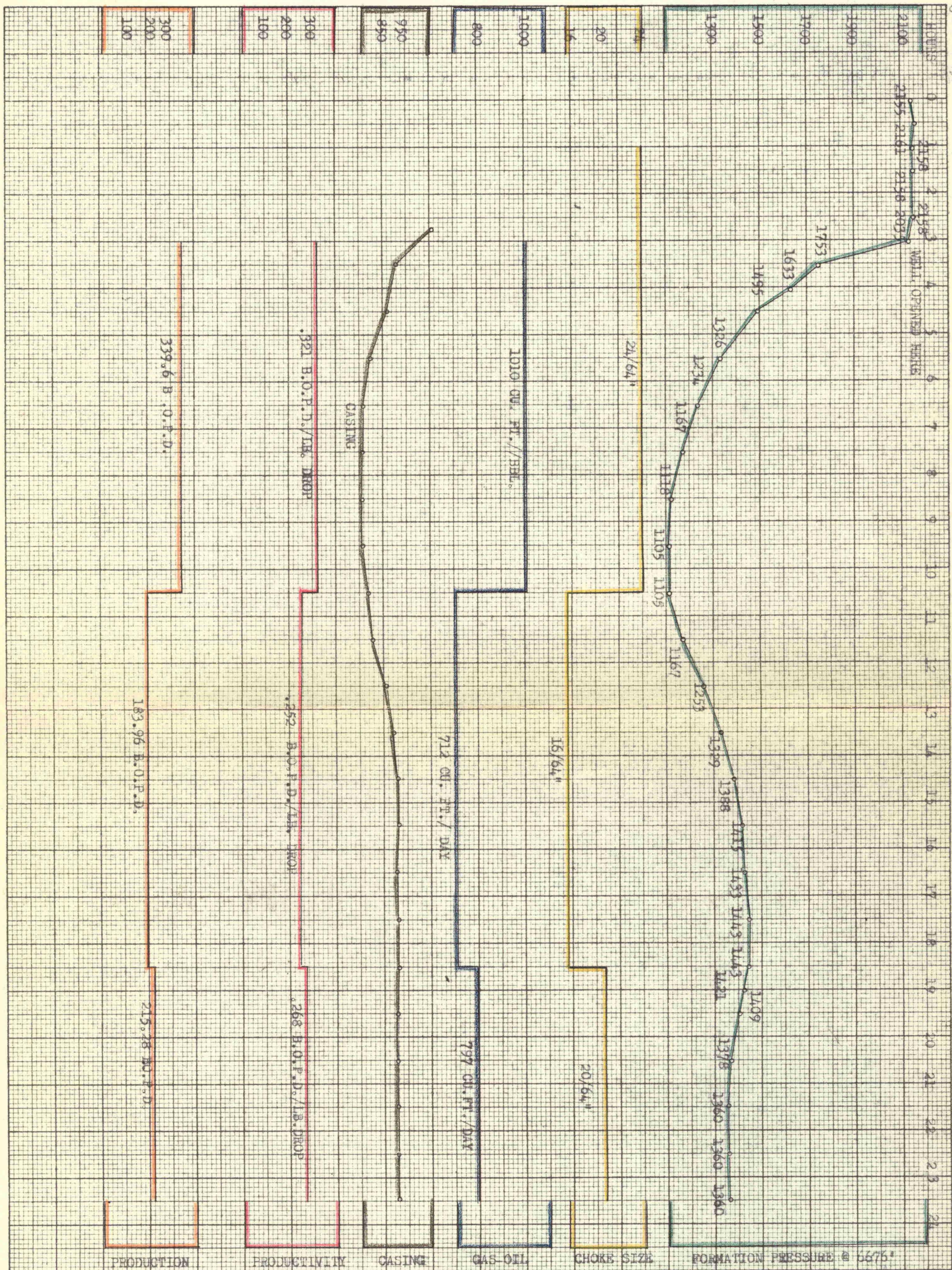
PRODUCTIVITY INDEX TESTS

Federal 4-13-132

January 1, 1952 to January 4, 1952

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PREPARED BY: WEST TEXAS ENGINEERING SERVICE, INC.
OPERATOR: LOWMY, et al
LEASE: FEDERAL-DOBELL WELL NO: 4-13
POOL: WILDCAT
COUNTY: RIO ARriba, NEW MEXICO
DATE: JANUARY 3 & 4, 1952

W. T. HABLER
H. L. HABLER
W. M. CATES
C. H. PICKENS
R. W. HARRINGTON
D. R. WATSON, JR.
B. E. BLACK
J. I. LOWMAN
FIELD PETROLEUM ENGINEERS

WEST TEXAS Engineering SERVICE INC.

P. O. BOX 1637
TELEPHONE 4-4481
FREESTAD BUILDING
223 S. BIG SPRING ST.
MIDLAND, TEXAS
FULL INSURANCE
COVERAGE

INDIVIDUAL WELL DATA SHEET

Company Lowry, et al Lease Federal - Doswell Well No. 4-13

Field Wildcat County Rio Arriba State New Mexico

Test Date 1-1-52 Time 11:57 A.M. Status of Well S. I.

Top of Pay 6676' Total Depth _____ Producing Formation Tocito

Tubing 2" Depth 6693' B.H.C. _____ Packer _____ Pressure Datum Top of Pay

Casing 7" Depth 6670' Perf. _____ Liner _____ Packer _____

Depth Feet	Δ Depth	Pressure Lbs. Sq. In.	Δ Pressure	Gradient Lbs./Ft.	
Surface		1023			Casing Press. 1025
	3976		261	.065	Tubing Press. 1023
3976		1284			Top of Fluid 3900'
	1000		313	.313	Top of Water No
4976		1597			Hrs.- Shut In 24 Flowing
	1000		313	.313	Temp. @ 6676' = 175°F.
5976		1910			Elev.-D.F. 6502 Gr.
	500		156	.312	Last Test Date Initial
6476		2066			Press. Last Test
	200		71	.355	B.H.P. Change
6676 Top of Pay		2137			Gain - Loss/Day
					Choke Size
					Oils Bbls/day
					Water Bbls/day
					Total Bbls/day
					Orifice & Line
					Static & Differential
					Gas Sp. Gr.
					Cu. Ft./day
					GOR
					GFR

PRODUCTIVITY INDEX-BBLS/DAY /LBS. DROP

Last Cumulative Production	Present Cumulative Production	Production Between Tests
Instrument <u>Amerada</u>	Number <u>RFG 8789 BR</u>	Recovery Factor
Run By <u>W. M. Cates & B. E. Black</u>	Calibration No. <u>1120 @ 175°</u>	Bbls/pound Loss
	Calculated By <u>B. E. Black</u>	

Calculations and Remarks:

W. T. HAGLER
H. L. HAGLER
W. M. CATES
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223 S. BIG SPRING ST.
MIDLAND, TEXAS
FULL INSURANCE
COVERAGE

INDIVIDUAL WELL DATA SHEET

Company Loupy, et al Lease Federal - Donnell Well No. 4-13
Field Wildcat County Rio Arriba State New Mexico
Test Date 1-3-52 Time 12:13 P.M. Status of Well S. I.
Top of Pay 6676' Total Depth _____ Producing Formation Toole
Tubing _____ Depth 6673' B.H.C. _____ Packer _____ Pressure Datum Top of Pay
Casing _____ Depth 6670' Perf. _____ Liner _____ Packer _____

Depth Feet	Δ Depth	Pressure Lbs. Sq. In.	Δ Pressure	Gradient Lbs./Ft.	
Surface		995			Casing Press. 800
	3976		337	.004	Tubing Press. 995
3976		1332			Top of Fluid 3180'
	1900		307	.307	Top of Water 18
4976		1639			Hrs.- Shut In 73 Flowing
	1000		307	.307	Temp. @ 6676' = 175°F.
5976		1946			Elev.-D.F. 6502 Gr.
	500		154	.307	Last Test Date
6476		2100			Press. Last Test
	200		61	.307	B.H.P. Change "
6676 Top of Pay		2161			Gain - Loss/Day
					Choke Size
					Oils Bbbls/day
					Water Bbbls/day
					Total Bbbls/day
					Orifice & Line
					Static & Differential
					Gas Sp. Gr.
					Cu. Ft./day
					GOR
					GFR

PRODUCTIVITY INDEX-BBLS./DAY /LBS. DROP

Last Cumulative Production	Present Cumulative Production	Production Between Tests
Instrument <u>Aurora</u>	Number <u>RFG 8789 BR</u>	Recovery Factor Bbbls/pound Loss
Run By <u>W. M. Cates & B. E. Black</u>	Calibration No. <u>112 0 - 175°</u>	Calculated By <u>C. H. Pickens</u>

Calculations and Remarks: