

ELLIOTT

CONTINENTAL
"Wilder"

(27)

(26)

BEFORE EXAMINER NUTT
OIL CONSERVATION COMMISSION
Buckles EXHIBIT NO. ✓
CASE NO. 1747

BUCKLES

80 Ac.

40 Ac.

(34)

(35)

2
24.89 Ac.

1
24.93 Ac.

Elliott-Federal

HILL & MEEKER

Trower

(4)

N

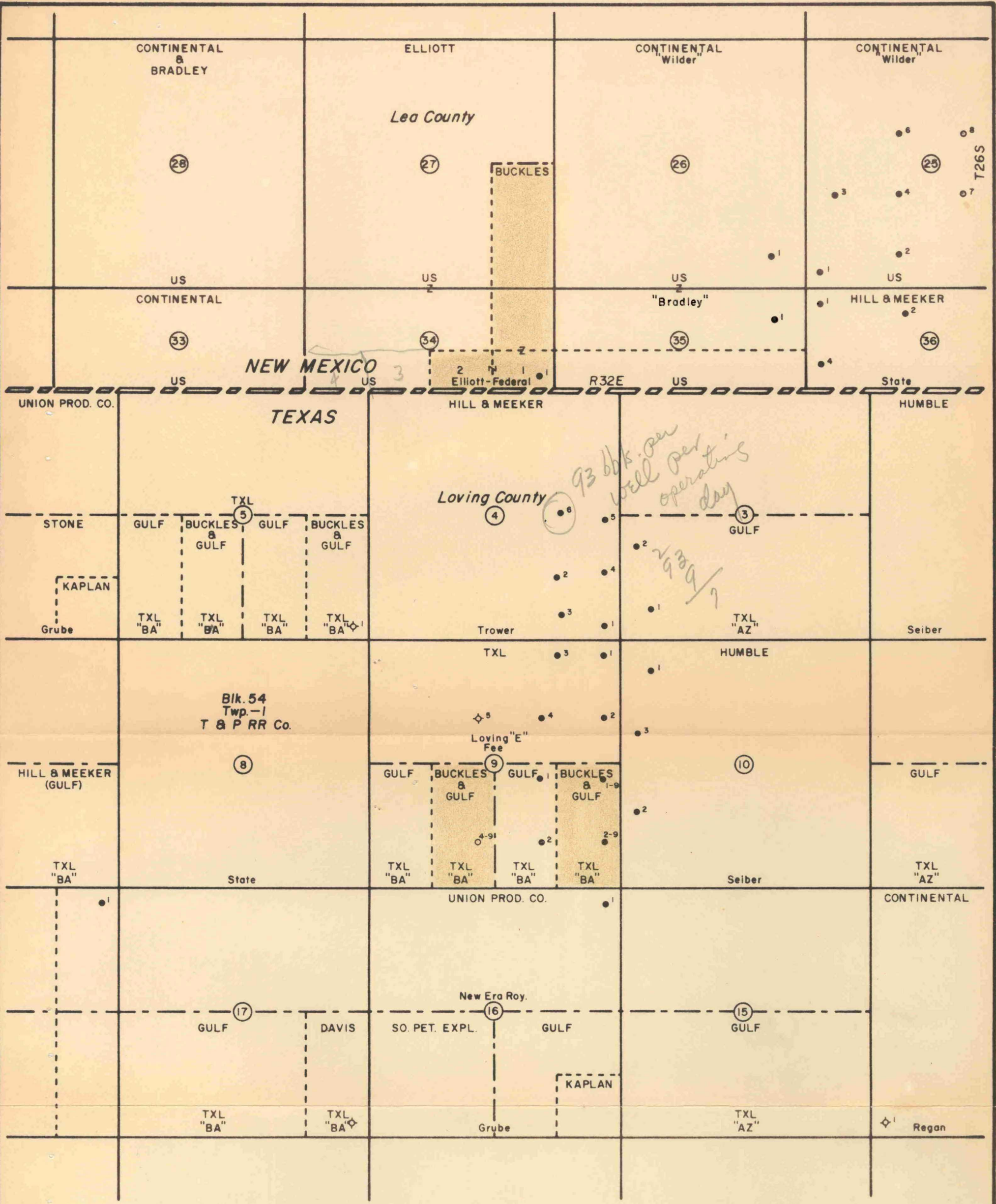
- PRODUCTION WELL
- PROPOSED PRODUCTION WELL
- ⊙ INJECTION WELL
- ⊙ PROPOSED INJECTION WELL
- ⊙ ABANDONED WELL
- ⊙ DRY HOLE

SCALE: 1" = 1000'

Prepared By:
GEORGE L. BUCKLES CO.

GEORGE L. BUCKLES CO. LEASES
170 ACRES MORE OR LESS

SECTIONS 27 & 34,
T 26 S, R 32 E,
LEA COUNTY, NEW MEXICO



A PORTION OF:
EL MAR (Delaware) FIELD
LOVING COUNTY, TEXAS

BEFORE EXAMINER NUTTER
OIL CONSERVATION COMMISSION
Buckles EXHIBIT NO. 3
CASE NO. 1747

- PRODUCTION WELL
- PROPOSED PRODUCTION WELL
- ⊙ INJECTION WELL
- ⊙ PROPOSED INJECTION WELL
- ABANDONED WELL
- ⬢ DRY HOLE

SCALE: 1" = 2000'

Prepared By:
GEORGE L. BUCKLES CO.

Radioactivity Log

COMPANY: GEORGE L. BUCKLER COMPANY: COMPANY WELL: ELLIOTT FEDERAL NO. 1 FIELD: ELMAR LOCATION: SEC. 34, T-26-S. COUNTY: LEA STATE: NEW MEXICO	COMPANY: GEORGE L. BUCKLER COMPANY		Well Location STATE: LEA COUNTY: LEA
	WELL: ELLIOTT FEDERAL NO. 1		
	FIELD: ELMAR		
	LOCATION: 330' FS & EL, SEC. 34, T-26-S, R-32-E.		
	COUNTY: LEA STATE: N.M.		
LOG ZERO: GROUND LEVEL ELEV.		DRLG. ZERO: GROUND LEVEL ELEV.	
PERM. DATUM: GROUND LEVEL ELEV.		ELEV.	

TYPE OF LOG	GAMMA RAY	N/NEUTRON	BEFORE EXAMINER NUTTER OIL CONSERVATION COMMISSION EXHIBIT NO. 1747 CASE NO.
RUN NO.	TWO-NW	TWO-NW	
DATE (STRAIN)	7-11-59	7-11-59	
TOTAL DEPTH (DRILLER)	4550	4550	
EFFECTIVE DEPTH (DRILLER)	4550	4550	
TOP OF LOGGED INTERVAL	3050	3050	
BOTTOM OF LOGGED INTERVAL	4220	4232	
TYPE OF FLUID IN HOLE	WATER	WATER	
FLUID LEVEL	FULL	FULL	
MAXIMUM RECORDED TEMP.	-	-	
SOURCE STRENGTH & TYPE	-	510A3	
SOURCE SPACING - IN.	-	13.5	
DETECTOR CLASS	SCINT.	SCINT.	
DETECTOR TYPE	DCI	DGN1	
LENGTH OF MEAS. DEVICE - IN.	4	4	
O.D. OF INSTRUMENT - IN.	3 5/8	3 5/8	
TIME CONSTANT - SECONDS	2	2	
LOGGING SPEED FT./MIN.	30	30	
STATISTICAL VARIATION - IN.	-	-	
SENSITIVITY REFERENCE	G-933	D-368	
RECORDED BY	GOZA	GOZA	
WITNESSED BY	MR. ORR	MR. ORR	

WELL RECORD

RUN	BIT SIZE	CASING WT.—LB.	FROM WELL RECORD	FROM LOG
TWO	8 5/8		SURF. TO	TO
TWO	4 1/2		SURF. TO 4550	SURF. TO 4533
			TO	TO
			TO	TO
			TO	TO

CORE LABORATORIES, INC.



Petroleum Reservoir Engineering

COMPANY GEORGE L. BUCKLES COMPANY FIELD UNDESIGNATED FILE WP-4-725
WELL ELLIOTT-FEDERAL NO.1 COUNTY LEA DATE 7-9-59
LOCATION SEC. 34, 26S - 32E STATE NEW MEXICO ELEV. 3101' G.L.

CORE-GAMMA CORRELATION

These analyses, opinions or interpretations are based on observations and material supplied by the client to whom, and for whose exclusive and confidential use, this report is made. The interpretations or opinions expressed represent the best judgment of Core Laboratories, Inc. (all errors and omissions excepted); but Core Laboratories, Inc. and its officers and employees, assume no responsibility and make no warranty or representations as to the productivity, proper operation, or profitability of any oil, gas or other mineral well or sand in connection with which such report is used or relied upon.

VERTICAL SCALE: 5" = 100'

CORE-GAMMA SURFACE LOG (PATENT APPLIED FOR)

GAMMA RAY
RADIATION INCREASE
→

COREGRAPH

TOTAL WATER

PERCENT TOTAL WATER
80 60 40 20 0

PERMEABILITY

MILLIDARCY
20 10

POROSITY

PERCENT
20 10

OIL SATURATION

PERCENT PORE SPACE
0 20 40 60 80

4450

4500

4550



COMPANY	GEORGE L. BUCKLES COMPANY	FILE NO.	WP-4-725
WELL	ELLIOTT-FEDERAL NO. 1	DATE	7-9-59
FIELD	UNDESIGNATED	ENGRS.	HALL-JOLLEY
COUNTY	LEA	FORMATION	DELAWARE
STATE	NEW MEXICO	ELEV.	3101' G.L.
DRLG. FLD.	WATER BASE MUD	CORES	3 1/2" DIAMOND
LOCATION	SEC 34, 26S - 32E	REMARKS	SAMPLED BY CLIENT

COMPLETION COREGRAPH

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SAND	LIMESTONE	CONGLOMERATE	CHERT	ANHYDRITE
SHALE	DOLOMITE	COOLITES		

