

Shell Western E&P Inc.

A Subsidiary of Shell Oil Company



P.O. Box 576
Houston, TX 77001

September 6, 1985

State of New Mexico
Energy and Minerals Department
Oil Conservation Division
P. O. Box 2088
Santa Fe, NM 87501

Gentlemen:

APPLICATION TO DOWNHOLE COMMINGLE
SHELL-TAYLOR GLENN NO. 6
4620' FSL AND 1979' FEL, UNIT LETTER "J"
SECTION 3, T21S, R37E
DRINKARD & BLINEBRY OIL AND GAS POOLS
LEA COUNTY, NEW MEXICO

Pursuant to the provisions of Rule 303-C, Shell Western E&P Inc. (SWEPI) respectfully requests administrative approval to commingle production within the wellbore from the Drinkard and Blinebry Oil and Gas pools for the subject well. Taylor Glenn No. 6 was drilled in 1952 as a Drinkard producer. The Drinkard was abandoned in 1962, and the well has since singly produced from the Blinebry zone. With the indicated marginal production, installation of dual equipment cannot be justified. In the interest of conservation and prevention of waste, we now propose to reopen the Drinkard and downhole commingle the production with that of the Blinebry Oil and Gas Pool in the subject well.

This well qualifies for administrative approval in accordance with Statewide Rule 303-C; and in support thereof, the following facts are submitted:

1. The attached plat indicates the Taylor Glenn lease.
2. The latest tests are as follows:
Blinebry: (5-09-85) 6 B0 + 1 BW + 56 MCFG
Drinkard: (7-20-85) 12 B0 + 12 BW + 44 MCFG
3. Neither zone produces more water than the combined oil limit as determined in Rule 303-C, Section 1, paragraph (1).
4. SWEPI has commingled these fluids at the surface on the subject lease and has encountered no incompatibility problems; therefore, downhole commingling is not expected to result in reservoir damage (surface commingling authority: PC 107).
5. Surface commingling resulted in no reduction of oil value; therefore, downhole commingling will not reduce oil value.

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6. Ownership of the two pools to be commingled is common and correlative rights will not be violated.

7. The bottom-hole pressures at common datum of 6650' are:

Blinebry: 457 psig (24 hrs SI)

Drinkard: 318 psig (24 hrs SI)

We do not anticipate crossflow of fluids since the well will be maintained at pumped off conditions.

8. Commingling will not jeopardize the efficiency of future secondary operations in either zone.

9. Recommended oil and gas allotments would be as follows:

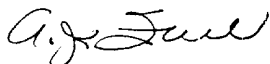
<u>BLINEBRY</u>		<u>DRINKARD</u>	
33%	Oil	67%	
56%	Gas	44%	

10. Copies of this application have been furnished to all offset operators by certified mail.

Other supporting data attached are resume of the well's history, C-116 for each zone, a schematic of the present and proposed downhole configuration, and a production decline curve of the Blinebry zone.

If additional information is required, please advise.

Yours very truly,



A. J. Fore
Supervisor Regulatory and Permitting
Production Administration
Western Division

MW:MM

Attachments

cc: State of New Mexico
Energy and Minerals Department
Oil Conservation Division
P. O. Box 1980
Hobbs, NM 88240

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WELL HISTORY
TAYLOR GLENN #6

- 9/52 Drilled and completed in the Drinkard formation.
- 11/62 Set CIBP over Drinkard and recompleted in the Blinebry.
- 2/79 Installed artificial lift.

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MECHANICAL CONFIGURATION

WELL TAYLOR GLENN #6

FIELD DRINKARD

DATE JUNE, 1985

PRESENT

13-3/8" 29.3#
SIZE AND WEIGHT

225'

8-5/8" 32#
SIZE AND WEIGHT

TOL @ 2932'
3147'

Blinebry 5663' - 6093'

CIBP @ 6625' (CAPPED W/2 SX CMT)

5-1/2" 15.5# Liner @ 6660'

TD 6707'

PROPOSED

13-3/8" 29.3#
SIZE AND WEIGHT

225'

8-5/8" 32#
SIZE AND WEIGHT

TOL @ 2932'
3147'

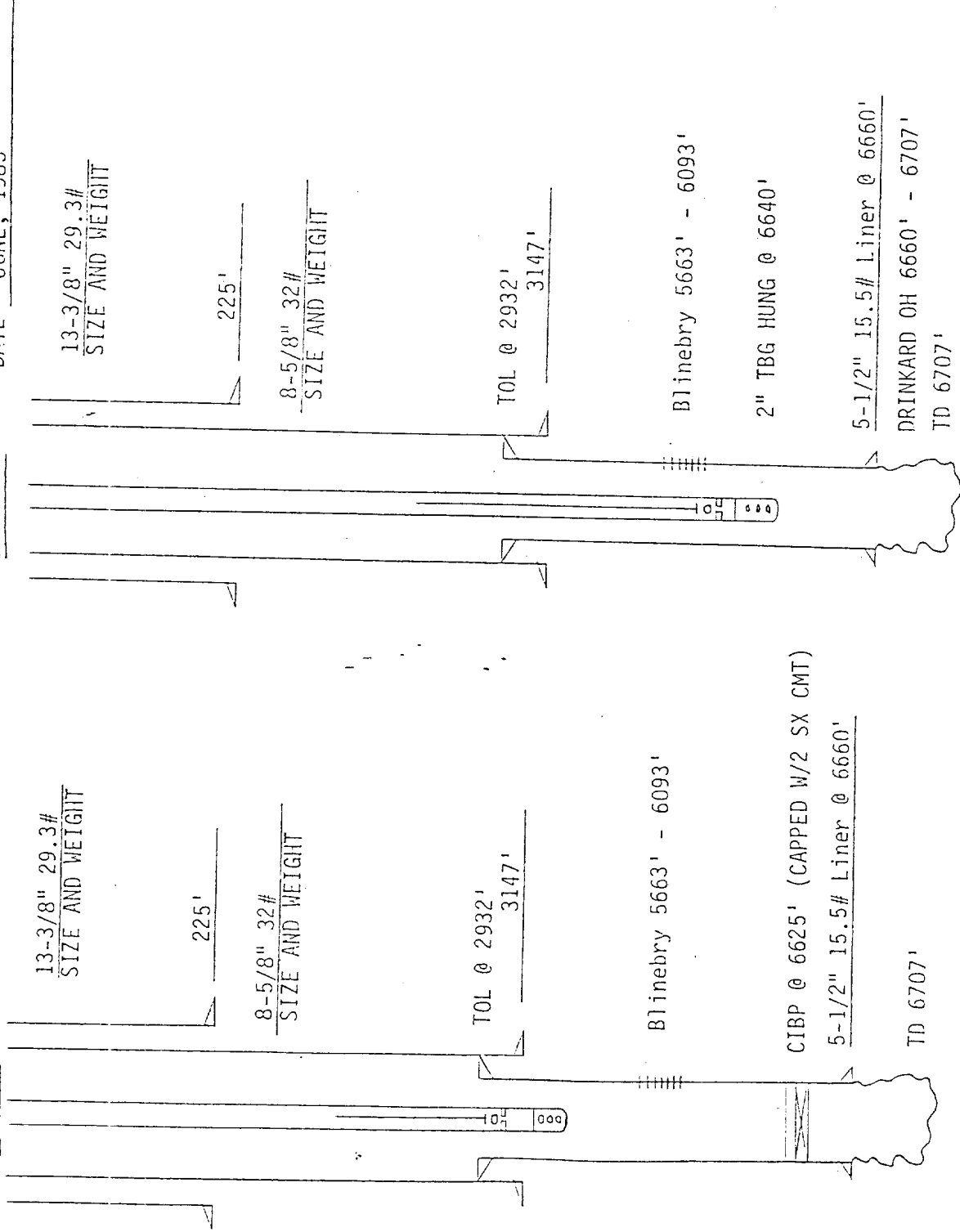
Blinebry 5663' - 6093'

2" TBG HUNG @ 6640'

5-1/2" 15.5# Liner @ 6660'

DRINKARD OH 6660' - 6707'

TD 6707'

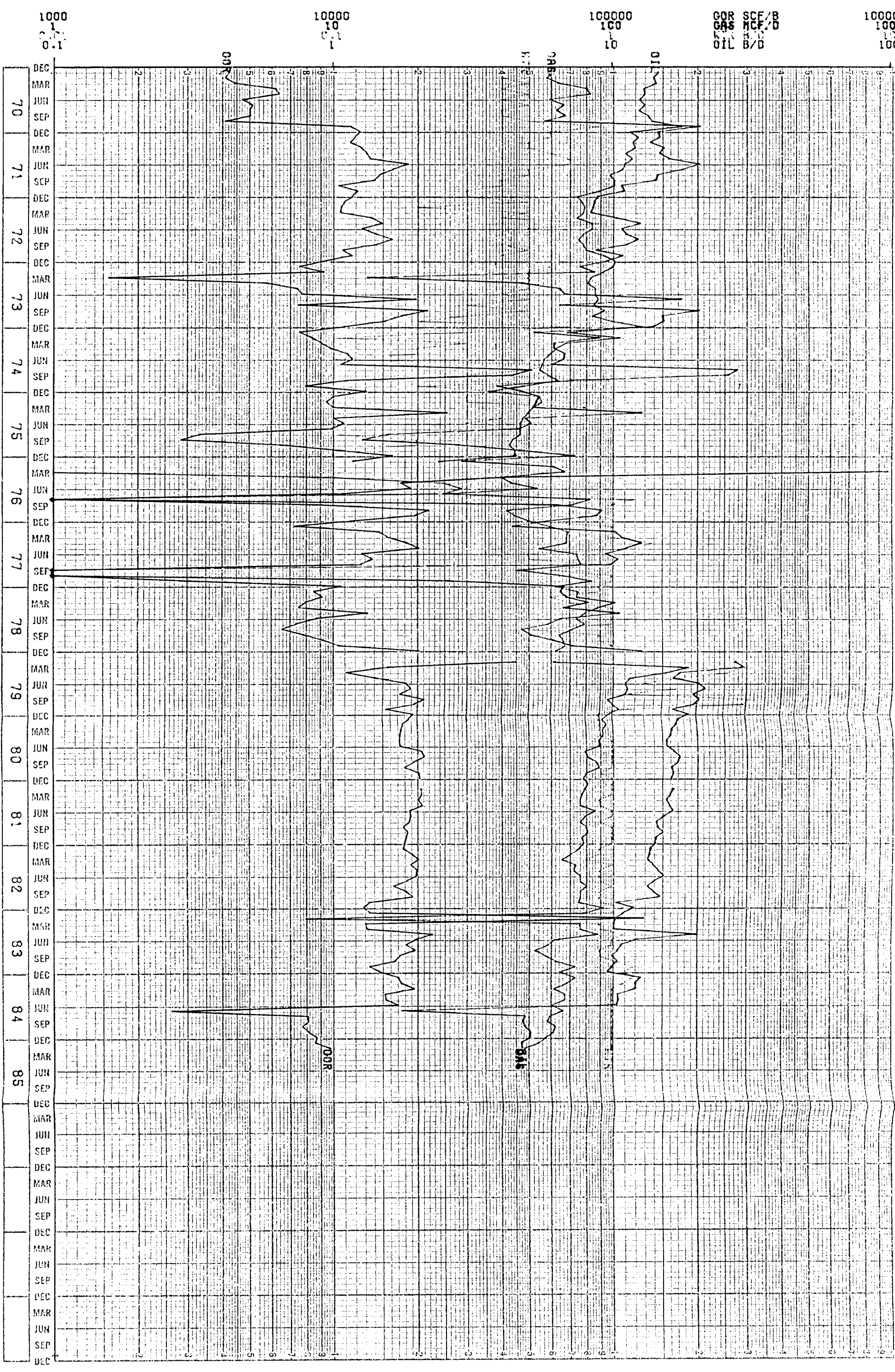


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PRODUCTION UNIT 647: NEW MEXICO
 LSE: TI OR GLENN
 RES: BLINBERRY
 FLD: DRINKARD 3115
 0756 WLL: 6-03 23456
 31325



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GOR SCE/B
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OIL B/D

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OFFSET OPERATORS

SHELL - TAYLOR GLENN LEASE

ANTWEIL OIL CO.
P.O. BOX 2010
HOBBS, NM 88240

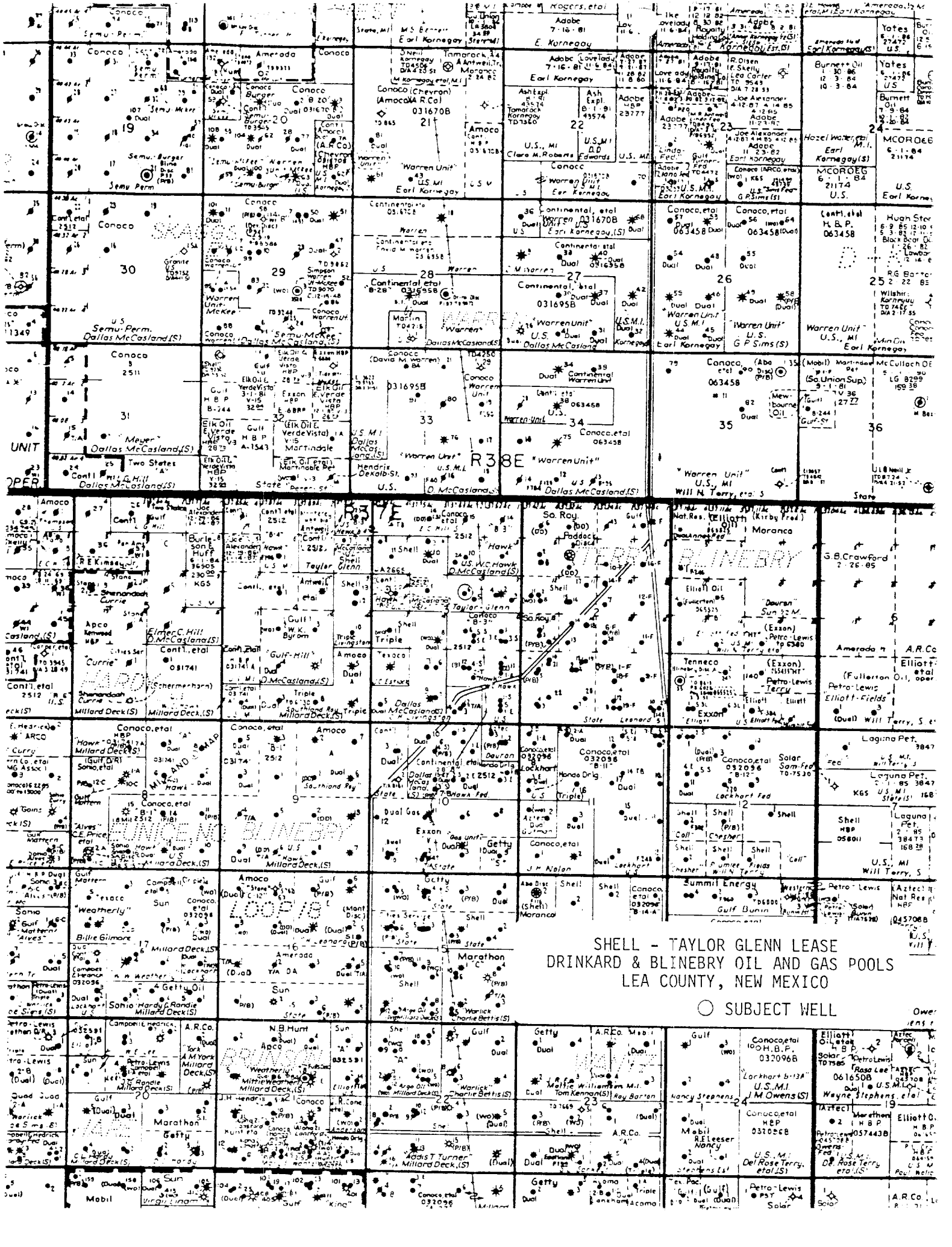
CONOCO INC.
P.O. BOX 460
HOBBS, NM 88240

SOUTHLAND ROYALTY COMPANY
21 DESTA DR.
MIDLAND, TX 79701

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SHELL - TAYLOR GLENN LEASE
 DRINKARD & BLINEBRY OIL AND GAS POOLS
 LEA COUNTY, NEW MEXICO

○ SUBJECT WELL

Owner

Map content includes numerous alphanumeric codes (e.g., 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100) and names of landowners/operators such as: Amoco, Conoco, Shell, Getty, Marathon, Sun, A.R.C., Petro-Lewis, Elliott, Will Terry, Solar, Gulf, and others. Specific well names like 'Warren Unit', 'Morrison', and 'Earl Korngog' are also present. The map shows a grid of sections with various symbols and text annotations throughout.

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