

SHELL OIL COMPANY

P.O. BOX 991
HOUSTON, TEXAS 77001

May 15, 1975

Subject: Application for Downhole Commingling
for State Section 2 Lease, Well No. 13,
Unit Letter N, Located 2970' FSL &
1650' FWL Sec. 2, T-21-S, R-37-E,
Lea County, New Mexico

RECEIVED
MAY 16 1975
NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe

New Mexico Oil Conservation Commission (3)
P. O. Box 2088
Santa Fe, New Mexico 87501

Attention Mr. A. L. Porter, Jr.

Gentlemen:

Shell Oil Company requests administrative approval to commingle in the wellbore oil produced from the Blinebry and Drinkard Pools on their State Section 2 Lease in Well No. 13 located in Lot 14 (Unit Letter N), Sec. 2, T-21-S, R-37-E, Lea County, New Mexico, according to Rule 303C.

The subject well is presently an abandoned Drinkard well, cased through the Blinebry pool. The Blinebry, under Unit Letter N, is presently being produced by natural flow from Well No. 18. The Drinkard in Well No. 13 was abandoned in June 1971 as non-commercial (3 BOPD + 40 BWPD).

After commingling (Drinkard water shut off by CIBP @ 6735') the energy of the Blinebry gas will be utilized to gas lift the Drinkard and flow the Blinebry production by the use of a packer, check valve, and side door choke, according to the attached drawing. This will allow the Drinkard pool to be economically produced and promote the recovery of additional reserves. The fluids from these zones are known to be compatible and are presently being commingled at the battery by Order R-2100; therefore, the price of the product will not be affected. Ownership of both zones is common. Secondary operations will not be jeopardized by approval of this application.

The offset operators are being notified by copy of this application.

Yours very truly,

C. D. Fairbanks - in Midland
For: Jack L. Mahaffey
Division Production Manager
Mid-Continent Division

BWB:NPK

Attachments

cc - Offset Operators

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

Bottom perf: 6809'
allow: 40 BOPD

OFFSET OPERATORS

STATE SECTION 2 LEASE

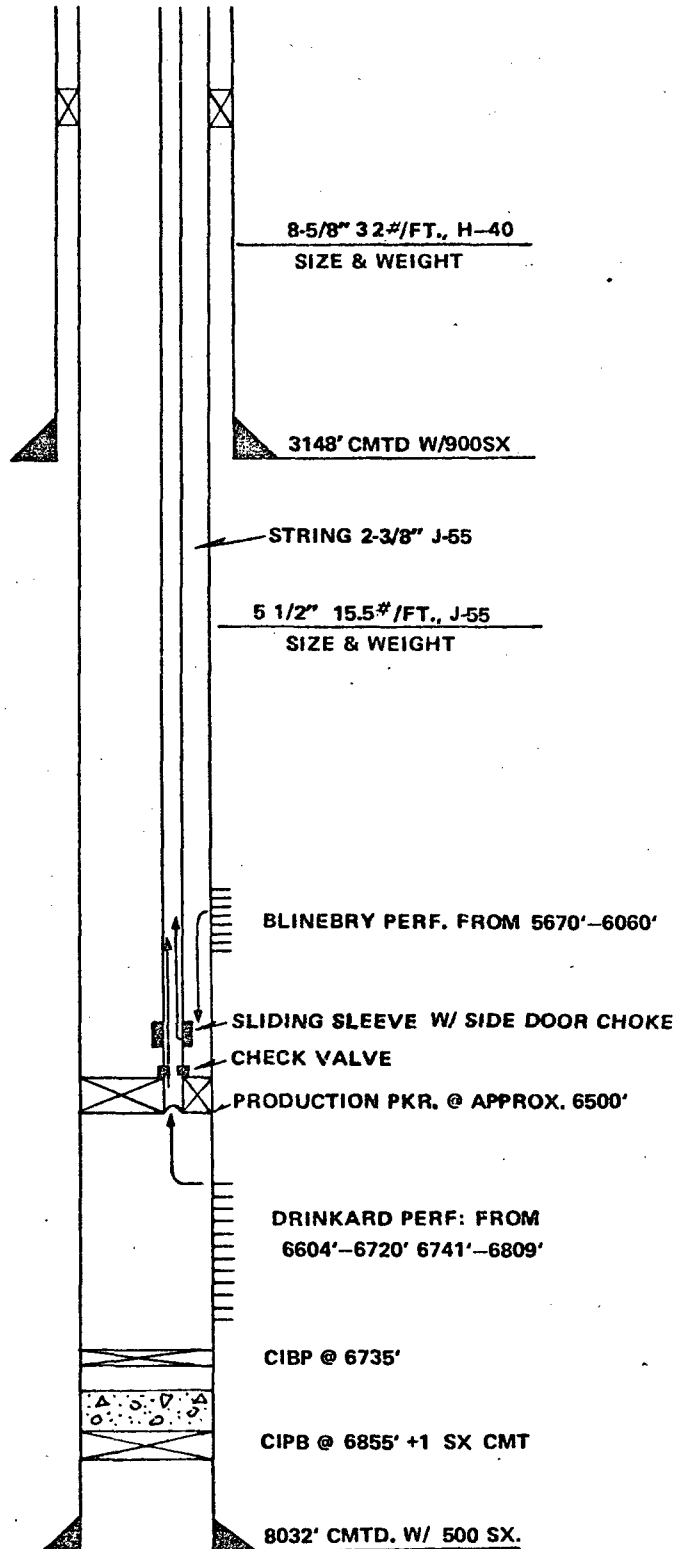
Continental Oil Company
P. O. Box 460
Hobbs, New Mexico 88240

Aztec Oil & Gas Company
P. O. Box 337
Hobbs, New Mexico 88240

Gulf Oil Company - U. S.
P. O. Box 670
Hobbs, New Mexico 88240

SHELL OIL COMPANY
 DOWN-HOLE COMMINGLING BLINEBRY & DRINKARD POOLS
 STATE SEC. 2 WELL NO. 13
 2970' FSL & 1650' FWL, SEC. 2, T-21-S, R-37-E
 LEA COUNTY, NEW MEXICO

DOWN HOLE DRAWING
 OF PROPOSED COMPLETION



ELEVATION 3494' DF
 TD 8143'

PERF: BLINEBRY : PROPOSE TO PERF. AT
 INTERVAL: 5670'- 6060'

DRINKARD: 6604', 36', 80', 94',
 6702', 06', 14', 20', W/ 2 JSPF
 6741', 47', 58', 61', 74', 90', 93',
 98', 6805', 09' W/ 1 JSPF

CSG: 8-5/8" CEMENT CIRCULATED TO SURFACE

5-1/2" CALCULATED CEMENT TOP
 BY FREEZE POINT @ 5900'

SHELL OIL COMPANY
 STATE SEC. 2 LEASE
 WELL NO. 13, DRINKARD POOL
 UNIT LETTER N,
 2970' FSL & 1650' FWL,
 SEC. 2, T21S - R37E
 LEA COUNTY, NEW MEXICO

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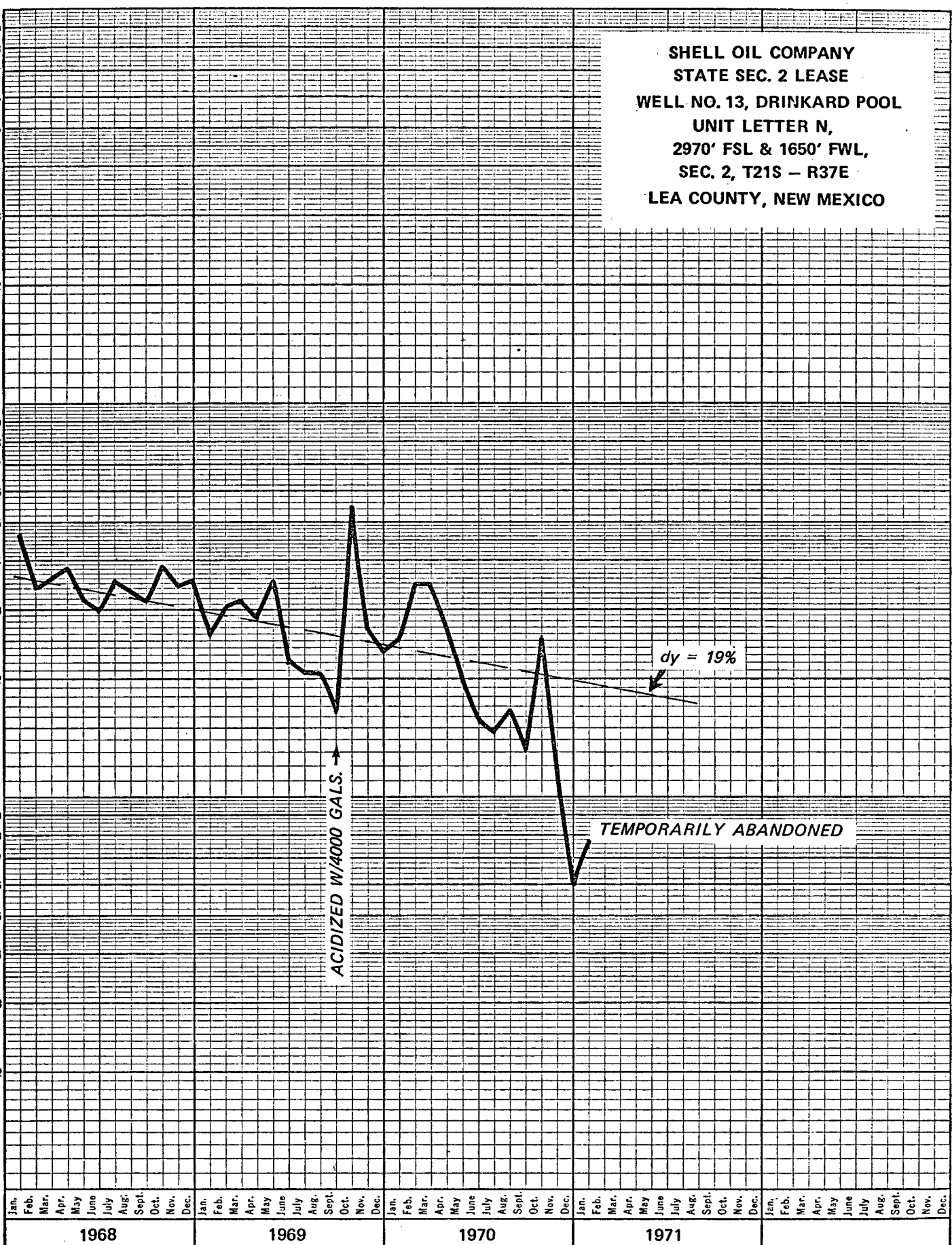
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ACIDIZED W/4000 GALS. →

$dy = 19\%$

TEMPORARILY ABANDONED



KE 5 YEARS BY MONTHS 46 6690
X 3 LOG CYCLES
MADE IN U.S.A.
KEUFFEL & ESSER CO.

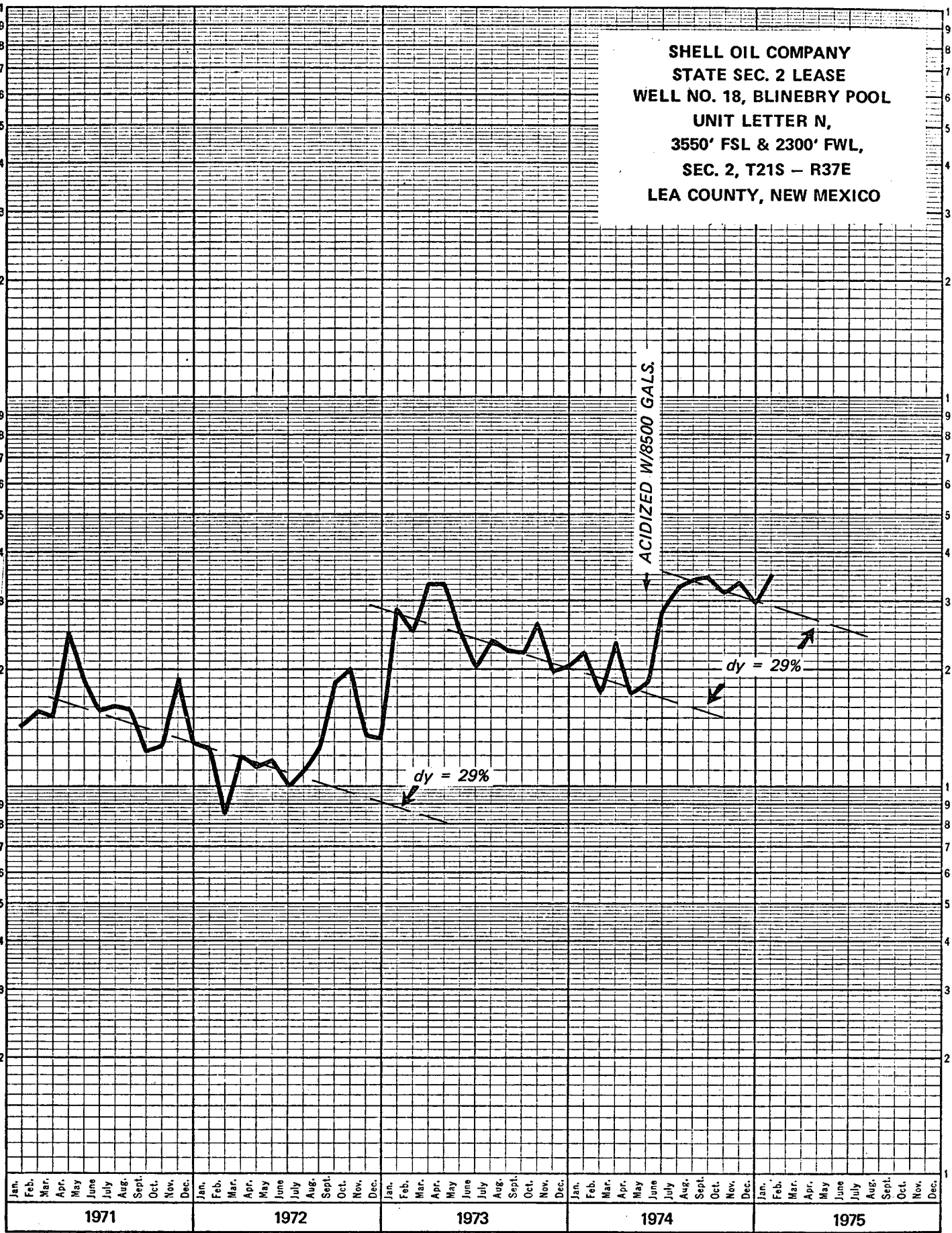
BOPM

SHELL OIL COMPANY
STATE SEC. 2 LEASE
WELL NO. 18, BLINEBRY POOL
UNIT LETTER N,
3550' FSL & 2300' FWL,
SEC. 2, T21S - R37E
LEA COUNTY, NEW MEXICO

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NEW MEXICO OIL CONSERVATION COMMISSION
GAS-OIL RATIO TESTS

C-1116
Revised 1-1-65

Operator		Pool		County		Completion		Special							
Shell Oil Company		Blinebry		Lea											
Address		TYPE OF TEST - (X)		SCHEDULED		PRODUCTION DURING TEST		GAS - OIL RATIO							
P. O. Box 1509, Midland, Texas 79701															
LEASE NAME	WELL NO.	LOCATION			DATE OF TEST	CHOKE SIZE	TBG. PRESS.	DAILY ALLOWABLE	LENGTH OF TEST HOURS	PRODUCTION DURING TEST			GAS - OIL RATIO CU.FT./BBL		
		U	S	T						R	WATER BBLs.	GRAV. OIL		OIL BBLs.	GAS M.C.F.
State Section 2	18	N	2	21	37	3-16-75	P	-	7	24	0	37.6	5	118	23,600

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

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.

N. W. Harrison
(Signature)
N. W. Harrison

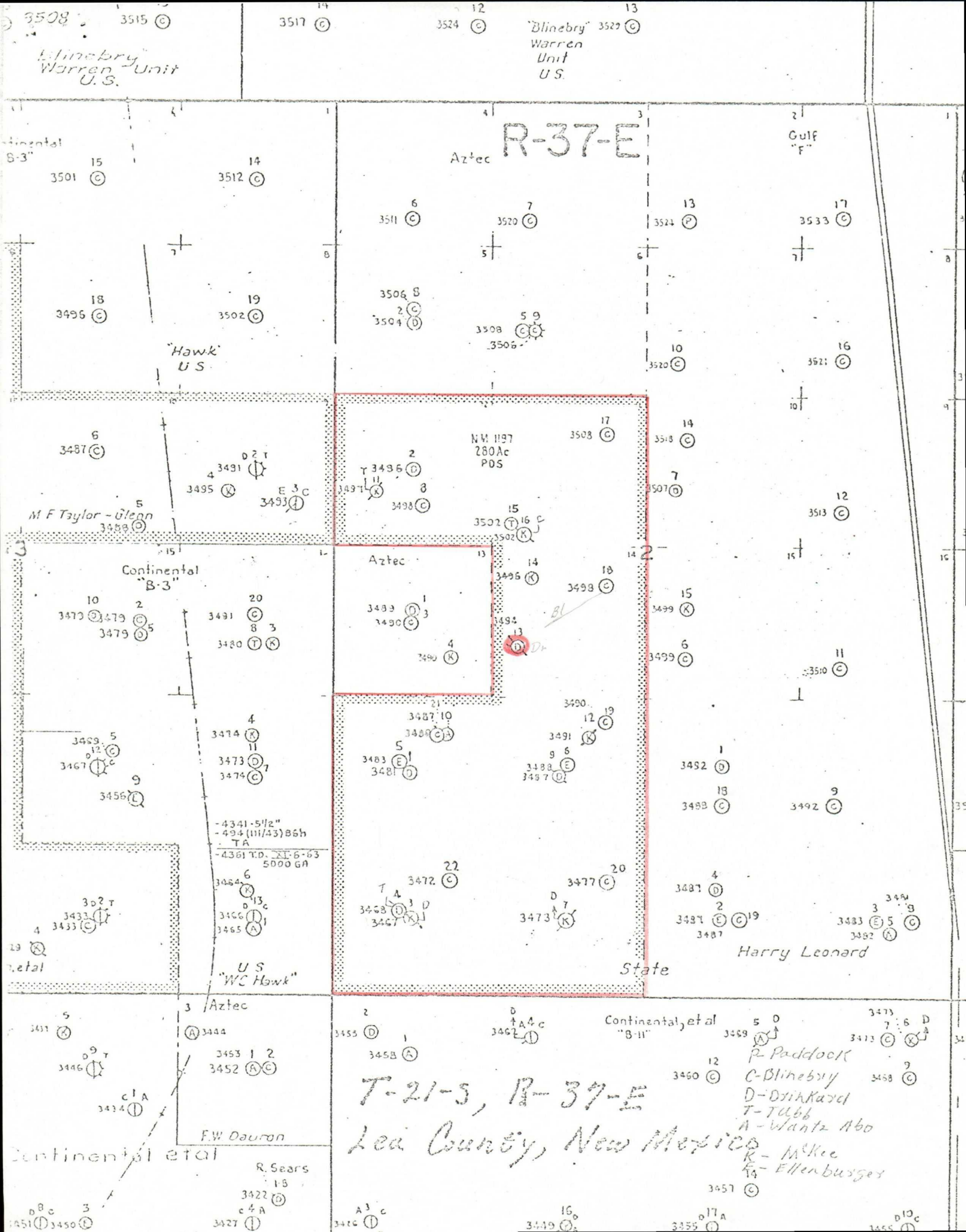
Staff Production Engineer
(Title)

5-15-75
(Date)

State Section 2 No. 13

Drinkard - Estimated BHP 1000 psi

Blinebry - Estimated BHP 400 psi



OIL CONSERVATION COMMISSION
Hobbs DISTRICT



OIL CONSERVATION COMMISSION
BOX 2088
SANTA FE, NEW MEXICO

DATE June 5, 1975

RE: Proposed MC _____
Proposed DHC X _____
Proposed NSL _____
Proposed SWD _____
Proposed WFX _____
Proposed PMX _____

Gentlemen:

I have examined the application dated _____
for the Shell Oil Co. State Sec. 2 #13-N 2-21-37
Operator Lease and Well No. Unit, S-T-R

and my recommendations are as follows:

O.K.---J.W.R.

Yours very truly,

John W. Runyan