

DHC - 164
Due 6/5/75

SHELL OIL COMPANY

P.O. BOX 991
HOUSTON, TEXAS 77001

NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe

May 15, 1975

Subject: Application for Downhole Commingling
for State Section 2 Lease, Well No. 5,
Unit Letter T, Located 1880' FSL &
560' FWL Sec. 2, T-21-S, R-37-E,
Lea County, New Mexico

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. 5 located in Lot 20 (Unit Letter T), Sec. 2, T-21-S, R-37-E, Lea County, New Mexico, according to Rule 303C.

The subject well is presently an abandoned Brunson Ellenburger well, cased through the Blinebry and Drinkard pools. The Blinebry, under Unit Letter T, is presently being produced by natural flow from Well No. 21 and the Drinkard (by natural flow) in Well No. 1.

Two zones produced as one is a more economical operation than two separate well zones or wells. Therefore, this operation will 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 - 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

*Neither fin has produced.
Dr well nearby; less than 330'?*

Bottom p/f 6850

*Tele: 5/29: #1 Well to be abandoned
if this DHC is OK'd.
(letter to confirm)*

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

NEW MEXICO OIL CONSERVATION COMMISSION
GAS-OIL RATIO TESTS

C-116
Revised 1-1-65

Operator		Pool		County		Lea									
Shell Oil Company		Drinkard													
Address		P. O. Box 1509, Midland, Texas 79701		TYPE OF TEST - (X)		Completion ☐ Scheduled ☐									
LEASE NAME	WELL NO.	LOCATION			DATE OF TEST	CHOKE SIZE	TBG. PRESS.	DAILY ALLOW-ABLE	LENGTH OF TEST HOURS	PROD. DURING TEST			Special ☒		
		U	S	T						R	WATER BBLs.	GRAV. OIL	OIL BBLs.	GAS M.C.F.	GAS - OIL RATIO CU.FT./BBL.
State Section 2	1	T	2	21	37	4-14-75	PL	310	6	24	0	36.3	5	47	9,400

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.

N. W. Harrison
(Signature)
Staff Production Engineer
N. W. Harrison
(Title)
5-15-75
(Date)

NEW MEXICO OIL CONSERVATION COMMISSION
GAS-OIL RATIO TESTS

C-116
Revised 1-1-65

Operator Shell Oil Company		Pool Blinebry		County Lea											
Address P. O. Box 1509, Midland, Texas 79701		TYPE OF TEST - (X)		Completion ☐ Special ☒											
LEASE NAME	WELL NO.	LOCATION			DATE OF TEST	CHOKE SIZE	TBG. PRESS.	DAILY ALLOW-ABLE	LENGTH OF TEST HOURS	PROD. 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	21	T	2	21	37	4-22-75	PL	260	8	24	1	35.6	8	116	14,500

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N. W. Harrison
(Signature)
Staff Production Engineer

(Title)

5-15-75

(Date)

K&W 5 YEARS BY MONTHS 46 6690
MADE IN U.S.A.
KEUFFEL & ESSER CO.

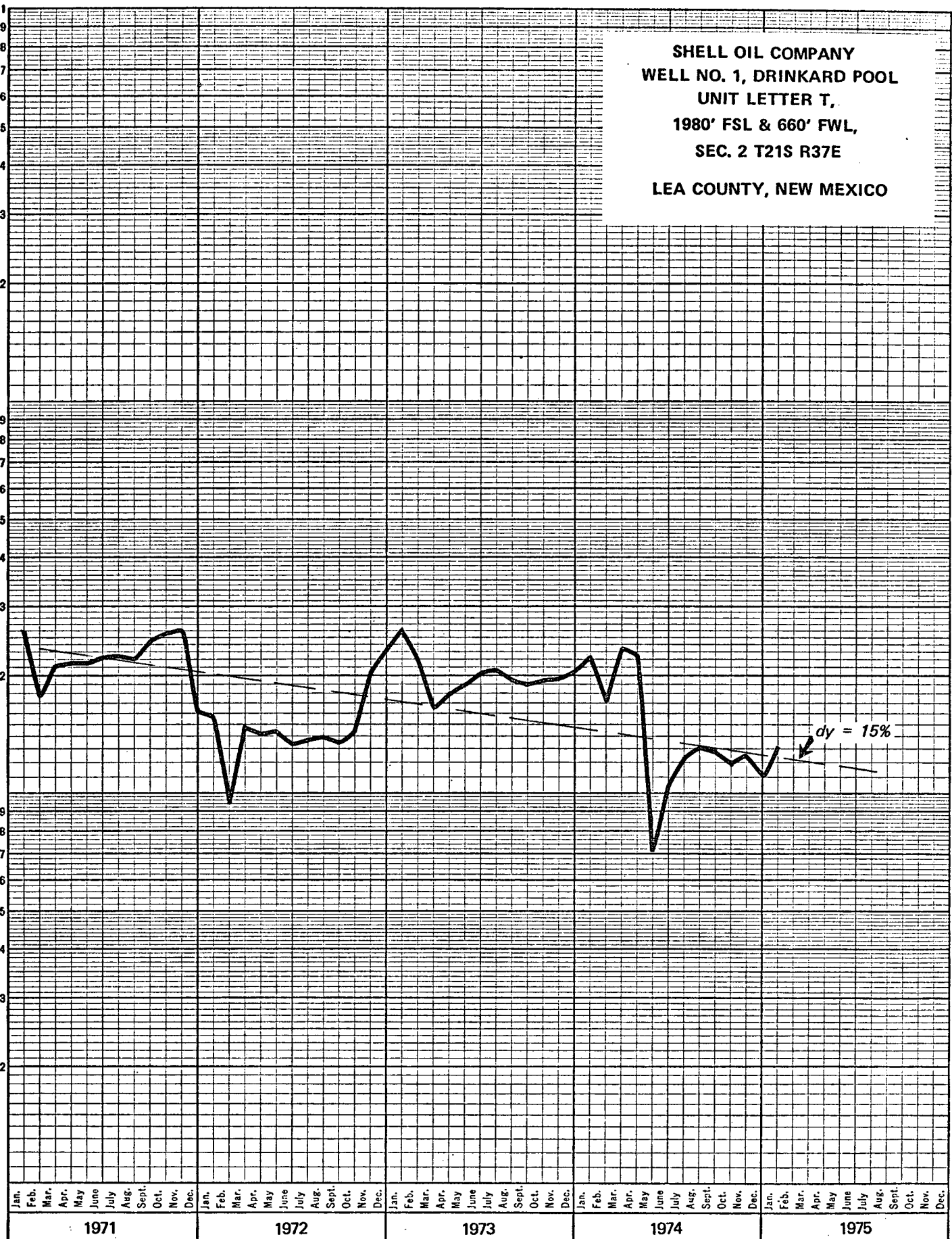
BOPM

SHELL OIL COMPANY
WELL NO. 1, DRINKARD POOL
UNIT LETTER T,
1980' FSL & 660' FWL,
SEC. 2 T21S R37E
LEA COUNTY, NEW MEXICO

1000

100

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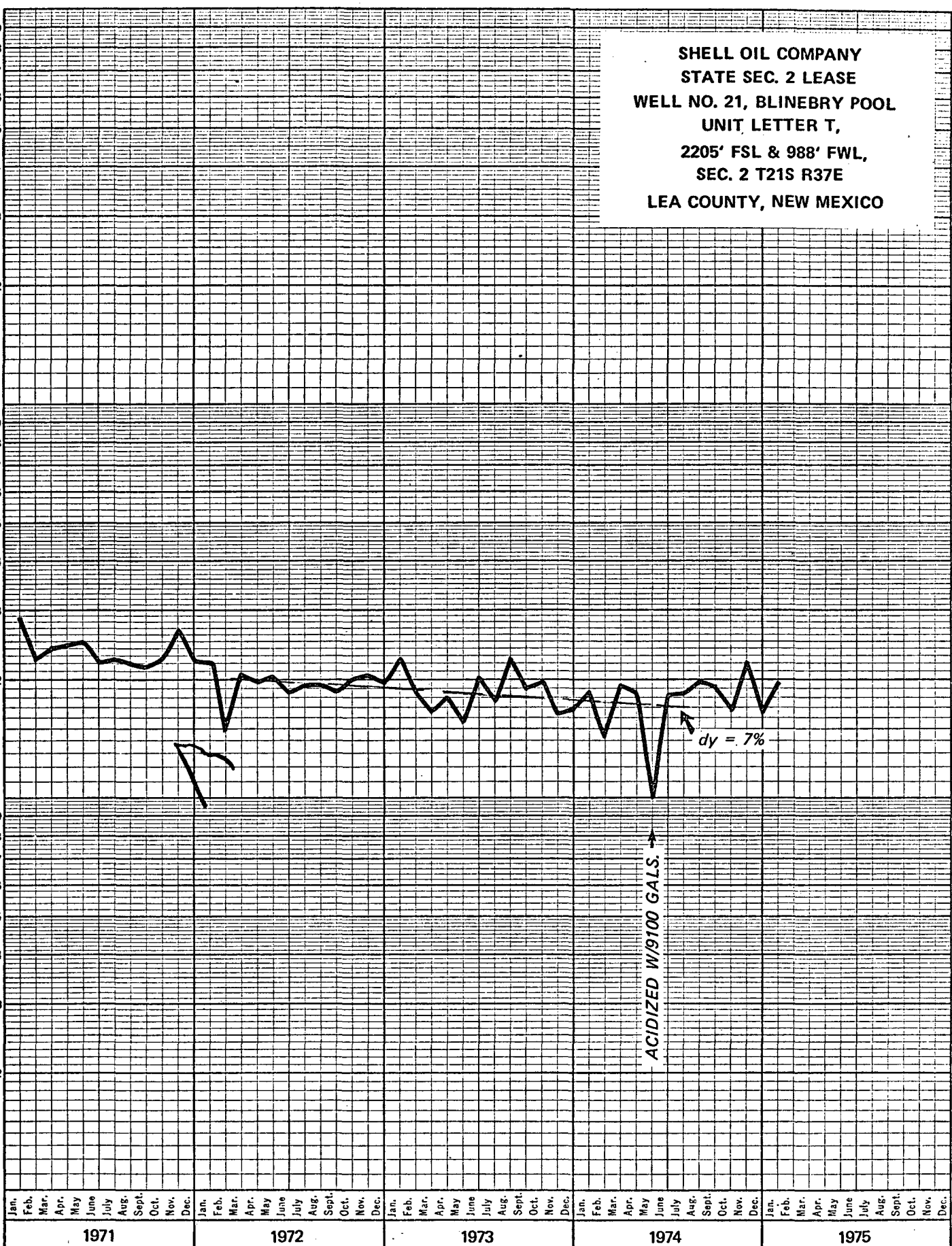
KE 5 YEARS BY MONTHS 46 6690
X 3 LOG CYCLES
MADE IN U.S.A.
KEUFFEL & ESSER CO.

SHELL OIL COMPANY
STATE SEC. 2 LEASE
WELL NO. 21, BLINEBRY POOL
UNIT LETTER T,
2205' FSL & 988' FWL,
SEC. 2 T21S R37E
LEA COUNTY, NEW MEXICO

1000

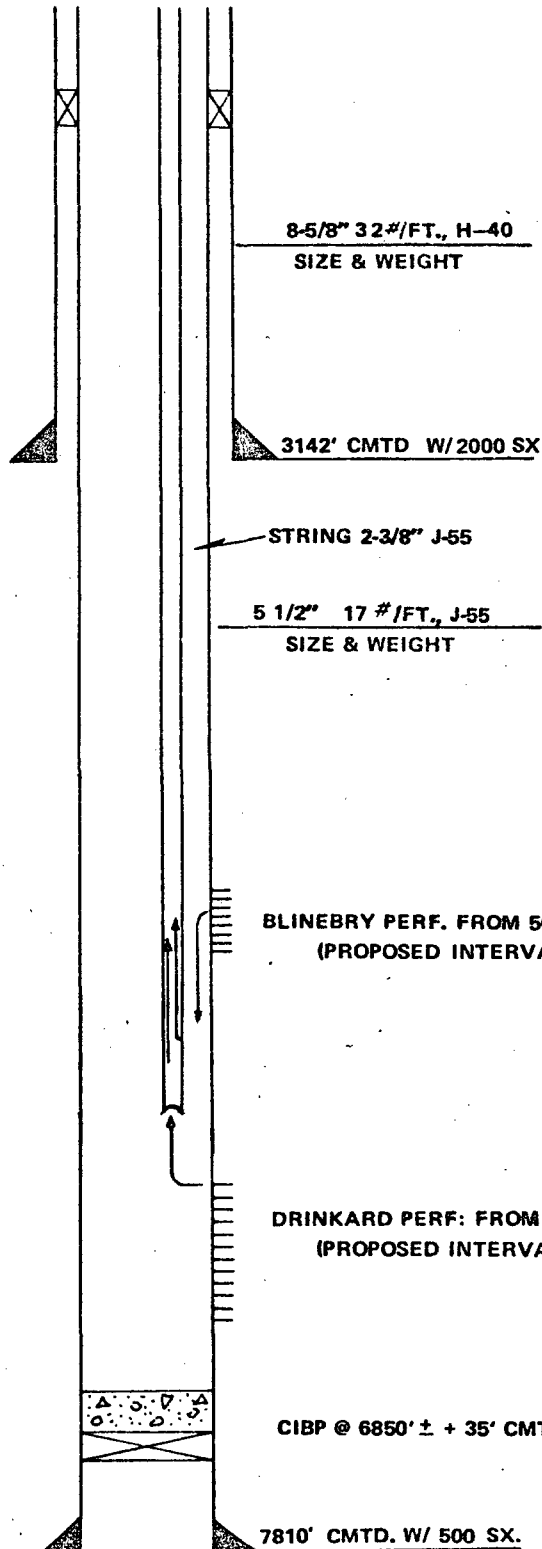
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SHELL OIL COMPANY
DOWN-HOLE COMMINGLING BLINEBRY & DRINKARD POOLS
STATE SEC. 2 WELL NO. 5
1880' FSL & 560' FWL, SEC. 2, T-21-S, R-37-E
LEA COUNTY, NEW MEXICO

DOWN HOLE DRAWING
OF PROPOSED COMPLETION



ELEVATION 3483' DF
TD 7956'

PERF: BLINEBRY : PROPOSE TO PERF. AT
INTERVAL: 5640'-6040'

DRINKARD: PROPOSED TO PERF. AT
INTERVAL: 6580'-6850'

BLINEBRY PERF. FROM 5640 TO 6040'
(PROPOSED INTERVAL)

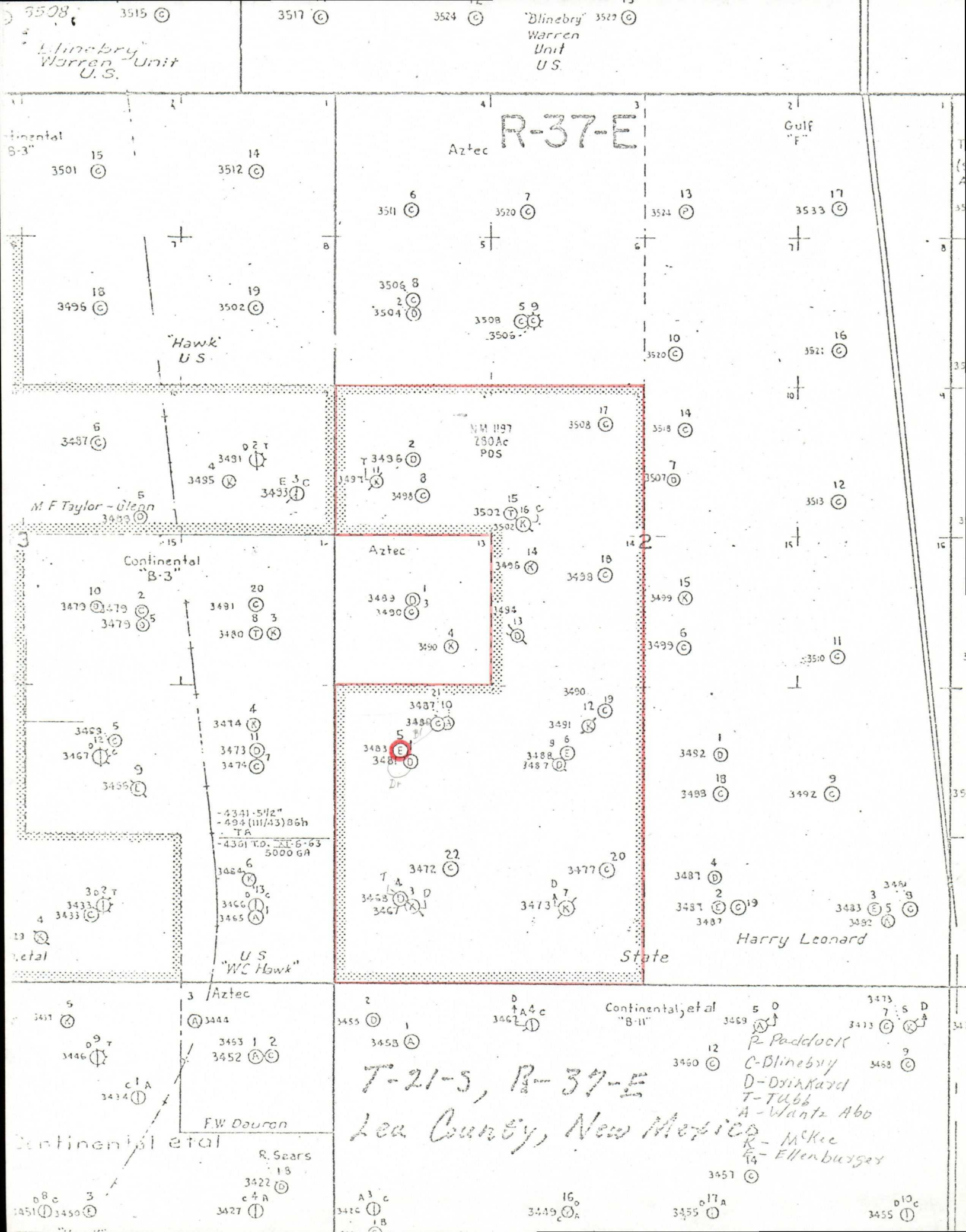
CSG: 8-5/8" CEMENT CIRCULATED TO SURFACE

5-1/2" CEMENT TOP BY FREEZE POINT
AT 4550'

DRINKARD PERF: FROM 6580, TO 6850'
(PROPOSED INTERVAL)

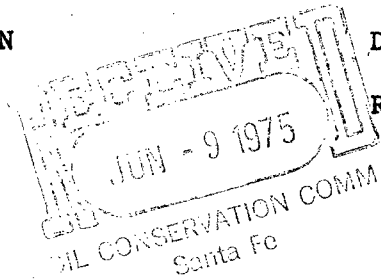
CIBP @ 6850' ± + 35' CMT

7810' CMTD. W/ 500 SX.



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 #5-T 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. Remyan