. . Release February 14, 1985

Gulf Oil Exploration and Production Company

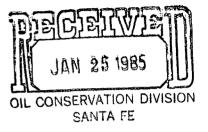
R. C. Anderson PRODUCTION MANAGER. HOBBS AREA

January 18, 1985

P. O. Box 670 Hobbs, NM 88240

Re: Mattern (NCT-D) #9, 10, & 15

Mr. Richard L. Stamets Energy and Minerals Department New Mexico Oil Conservation Division P. O. Box 2088 Santa Fe, New Mexico 87501



Gentlemen:

Your administrative approval is requested for an exception to Rule 303-C to permit down-hole commingling of Drinkard and Tubb Oil and Gas production in the subject wells.

Please find enclosed all pertinent data regarding this application as outlined in Rule No. 303-C.

Yours very truly,

C. Cende

R. C. ANDERSON

DR/skc Enclosures

cc: New Mexico Oil Conservation Division District I Office P. O. Box 1980 Hobbs, New Mexico 88240

Offset Operators



A DIVISION OF GULF OIL CORPORATION

H. T. Mattern "D" #9 Section 6-T22S-R37E Lea County, New Mexico

Approval is requested for an exception to Rule 303-C to permit down-hole commingling of the Drinkard and Tubb in the subject well.

The fluids show no evidence of incompatibility; therefore, down-hole commingling is not expected to result in reservoir damage. Ownership in the two pools is common and correlative rights will not be violated.

Currently, the Tubb is pumping and the Drinkard is TA'd. After down-hole commingling existing pumping equipment will be used to produce both zones.

Should secondary recovery operation become practical in the future, the two zones could be separated at such time without damaging either reservoir.

Offset operators are being notified of the intent to down-hole commingle subject well by copy of this application.

- 1. Operator: Gulf Oil Corporation, P. O. Box 670, Hobbs, New Mexico 88240
- 2. Lease, Well and Location: H. T. Mattern "D" #9, 810' FNL and 660' FWL, Section 6-T20S-R37E, Lea County, New Mexico.
- 3. <u>Producing Zones</u>: Currently producing from a single completion in the Tubb Pool.
- 4. Decline Curve: See attached graphs.
- 5. <u>Bottom Hole Pressure</u>: The BHP for the Tubb is 1313 psi. The BHP for the Drinkard is 966 psi.
- 6. <u>Fluid Characteristics</u>: Gulf Oil has commingled these fluids at the surface and downhole in offset wells and has encountered no incompatibility problems; therefore, no reservoir damage should result from downhole commingling subject well.
- 7. Well History: The well was spudded 8-28-74 and drilled to a total depth of 6800'. Five and one half inch production casing was set at 6800'. The Drinkard was perforated at 6434-6674' with 64 holes. Perfs were acidized with 4000 gallons 15% NEA and fractured with 48,000 gallons gel water with $\frac{1}{2}$ to $\frac{1}{2}$ pounds sand per gallon.

4-23-76, well was chemical squeezed with 3000 gallons 15% NEFE HCL treated with 3 gallons Tretolite AR-25 and 165 gallons Tretolite SP-203 in the first 1000 gallons acid.

1-5-79, well was equipped to pump.

8-25-82, Drinkard was TA'd with a CIBP set at 6350'. The Tubb was perforated at 6146-6306' with 56 holes. Perfs were acidized with 3500 gallons 15% NEFE HCL and fractured with 56,000 gallons and 73,000 pounds 20/40 sand.

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- 8. <u>Value of Commingled Fluids</u>: The Tubb and Drinkard Zones are being commingled in surface storage facilities on the subject lease per order CTB-254. Therefore, down-hole commingling will not effect the price.
- 9. Current Production: See attached State Form C-116.

	Section 6	
810' 660'		

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H. T. Mattern "D" #9 Section 6-T22S-R37E

Dedicated	Acreage
Drinkard:	40 acres
Tubb:	40 acres

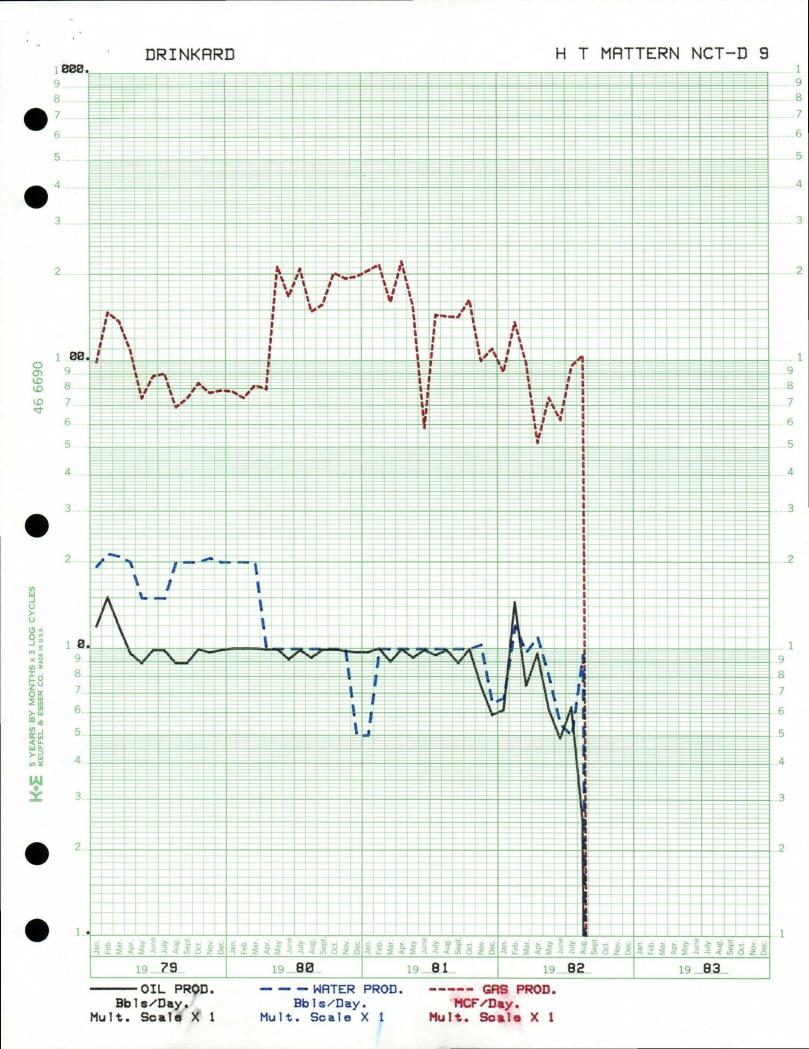
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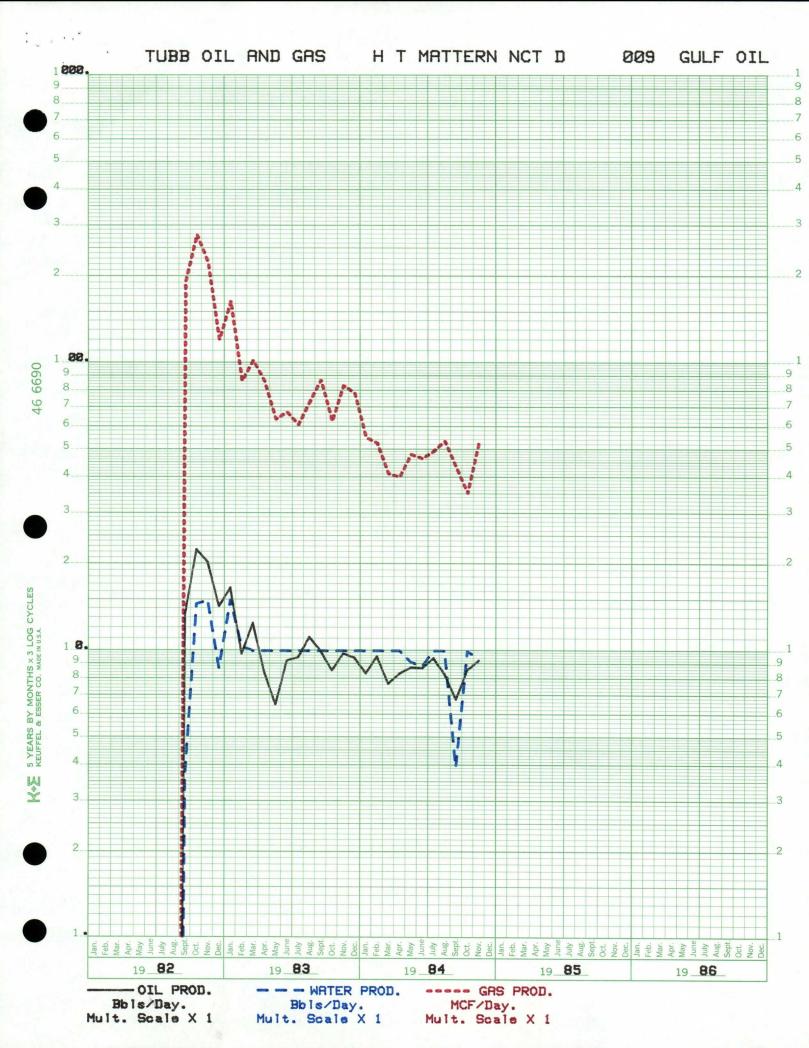
Drinkard: 5 BOPD, 7 BWPD, 80 MCFGPD Average Prod. from Decline Curves Tubb: 9 BOPD, 10 BWPD, 50 MCFGPD

The proposed allocation of oil and gas production per zone based on the attached decline curves is as follows:

	Drinkard	Tubb
Oil	36%	64%
Gas	62%	38%

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U.L. Charles and Andrews. And Andrews. Andrews

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OFFSET OPERATORS

H. T. MATTERN (NCT-D) LEASE

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Continental Oil Co. P. O. Box 460 Hobbs, New Mexico 88240 Getty Oil Co. P. O. Box 249 Hobbs, New Mexico 88240 Yarborough Oil Co. P. O. Box 1001 Eunice, New Mexico 88231 Petro Lewis P. O. Box 509 Levelland, Texas 79336 ARCO Oil & Gas P. O. Box 1610 Midland, Texas 79701 Amerada Hess Corporation P. O. Drawer 817 Seminole, Texas 79360 Sun Oil Co. P. O. Box 1861 Midland, Texas 79701 Sohio Petroleum Co. P. O. Box 3000 Midland, Texas 79701 Shell Oil Co. P. O. Box 1509 Midland, Texas 79701 El Paso Natural Gas Co. 600 Building of the Southwest Midland, Texas 79701

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Gulf Oil Exploration and Production Company

R. C. Anderson PPODUCTION MANAGER HOBBS AREA

February 14, 1985

P. O. Box 670 Hobbs: NM 88240

Re: Mattern (NCT-D) Lease Map

Mr. David Catanach New Mexico Oil Conservation Division P. O. Box 2088 Santa Fe, New Mexico 87501

Dear Sir:

Please find enclosed the Mattern (NCT-D) lease map requested as per telephone conversation with David Ricks of this office.

Yours very truly,

f. C. Curan R. C. ANDERSON

DR/skc Enclosure





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STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT OIL CONSERVATION DIVISION HOBBS DISTRICT OFFICE January 28, 1985

TONEY ANAYA GOVERNOR POST OFFICE BOX 1980 HOBBS, NEW MEXICO 88240 (505) 393-6161

OIL CONSERVATION DIVISION P. O. BOX 2088 SANTA FE, NEW MEXICO 87501

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

Gentlemen:

I have examined the application for the:

Gulf Oil Corp.Nattern (NCT-D) #9, #10, #156 & 7-22-37OperatorLease & Well No.UnitS-T-R

and my recommendations are as follows:

0.K.---J.S.

Yours very truly,

6264 RAL

Jerry Sexton Supervisor, District 1

/mc