



STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT  
OIL CONSERVATION DIVISION  
AZTEC DISTRICT OFFICE

1000 RIO BRAZOS ROAD  
AZTEC, NEW MEXICO 87410  
(505) 334-6178

OIL CONSERVATION DIVISION  
BOX 2088  
SANTA FE, NEW MEXICO 87501

DATE July 6, 1986

RE: Proposed MC \_\_\_\_\_  
Proposed DHC ✓ \_\_\_\_\_  
Proposed NSL \_\_\_\_\_  
Proposed SWD \_\_\_\_\_  
Proposed WFX \_\_\_\_\_  
Proposed PMX \_\_\_\_\_

Gentlemen:

I have examined the application dated July 30, 1986  
for the Conti J. Little Smity #24 G-16-25N-34  
Operator Lease and Well No. Unit, Section

and my recommendations are as follows:

Approve  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Yours truly,

Sam D. [Signature]

APPLICATION FOR DOWNHOLE COMMINGLING

OPERATOR: Curtis J. Little, Box 1258, Farmington, New Mexico 87499-1258

WELL: Schmitz #2A, 1700' FNL 1850' FEL, G-16-T25N-R3W,  
Blanco-Mesaverde Gas Pool and Ojito Gallup-Dakota Oil Pool.

PLAT: See attachment.

TEST: See attached Form C-116.

PRODUCTION GRAPH: See attachment.

BOTTOM HOLE PRESSURES: No bottomhole pressures have been measured due to production problems; the estimated pressures are 1500 psi for the Mesaverde formation and 2050 psi for the Gallup-Dakota zone.

FLUIDS DESCRIPTION: All petroleum products in the San Juan Basin from the Cretaceous formations are chemically compatible and form no precipitates.

VALUES: The value of combined stream of production from the subject well will not be impaired by commingling.

ALLOCATION FORMULA: Based on reserves of 10,000 barrels of oil and 3,000 MMcf gas in the Mesaverde zone and 75,000 barrels of oil and 3765 MMcf gas in the Gallup-Dakota zone, the proposed production split would be 12% of the oil and 89% of the gas to the Mesaverde zone and 88% of the oil and 11% of the gas for the Gallup-Dakota zone.

NOTIFICATIONS: A copy of this application is being mailed to all offset operators and to the Bureau of Land Management, the addresses of which are shown on an attachment.

RECEIVED

JUL 30 1988

OFFICE OF THE ATTORNEY GENERAL

DEPT. OF LAND

APPLICATION FOR DOWNHOLE COMMINGLING IN THE  
BLANCO MESAVERDE GAS POOL AND QUITO GALLUP-DAKOTA OIL POOL

CURTIS J. LITTLE  
SCHMITZ #2A  
G-16-T25N-R3W

RULE 303 C. DOWNHOLE COMMINGLING

1 (a) For Wells Involving Oil Zones:

- (1) The total combined oil production will not exceed 60 barrels of oil per day — the limit set for wells completed down to 8,999' (the range of the lowermost perforation).
- (2) The well will be produced by artificial lift.
- (3) The total water production is less than the oil limit set in (1) above.
- (4) The fluids are compatible in the two production zones.
- (5) The value of the commingled product will not be impaired by the commingling.
- (6) Ownership of all interests in the well are common.
- (7) The commingling will not jeopardize the efficiency of present or future secondary recovery operations in either of the zones to be commingled.

(b) For Wells Involving Gas Zones:

- (1) The downhole commingling is necessary to allow the recovery of products that would otherwise not be economically feasible to recover.
- (2) There will be no or minimal crossflow between zones.
- (3) There are no fluid-sensitive sands within the proposed completion zones.
- (4) The fluids are compatible and precipitates will not be formed which may damage the reservoir(s).
- (5) The ownership of all interests in the well are common.
- (6) The bottom hole pressure of the lower pressure zone is at least 50% of the pressure of the higher pressure zone when reduced to a common datum.

# OFFSET OWNERSHIP PLAT

CURTIS J. LITTLE

SCHMITZ #2A

G-16-T25N-R3W

BLANCO MESAVERDE POOL AND

OJITO GALLUP-DAKOTA POOL

R 3 W

8 UNION TEXAS PETR. CORP.	9 UNION TEXAS PETROLEUM CORP.	10 AMOCO PRODUCTION COMPANY
TEXACO, INC.	CURTIS J. LITTLE * 2 * 2E	AMOCO PRODUCTION COMPANY
17 TEXACO, INC.	16 SCHALK DEVELOPMENT COMPANY	15 EL PASO NATURAL GAS CO
20	21	22

T  
25  
N

WELLS AUTHORIZED FOR DOWNHOLE COMMINGLING  
IN TOWNSHIP 25 NORTH, RANGE 3 WEST

BLANCO MESAVERDE GAS POOL AND  
OJITO GALLUP-DAKOTA OIL POOL

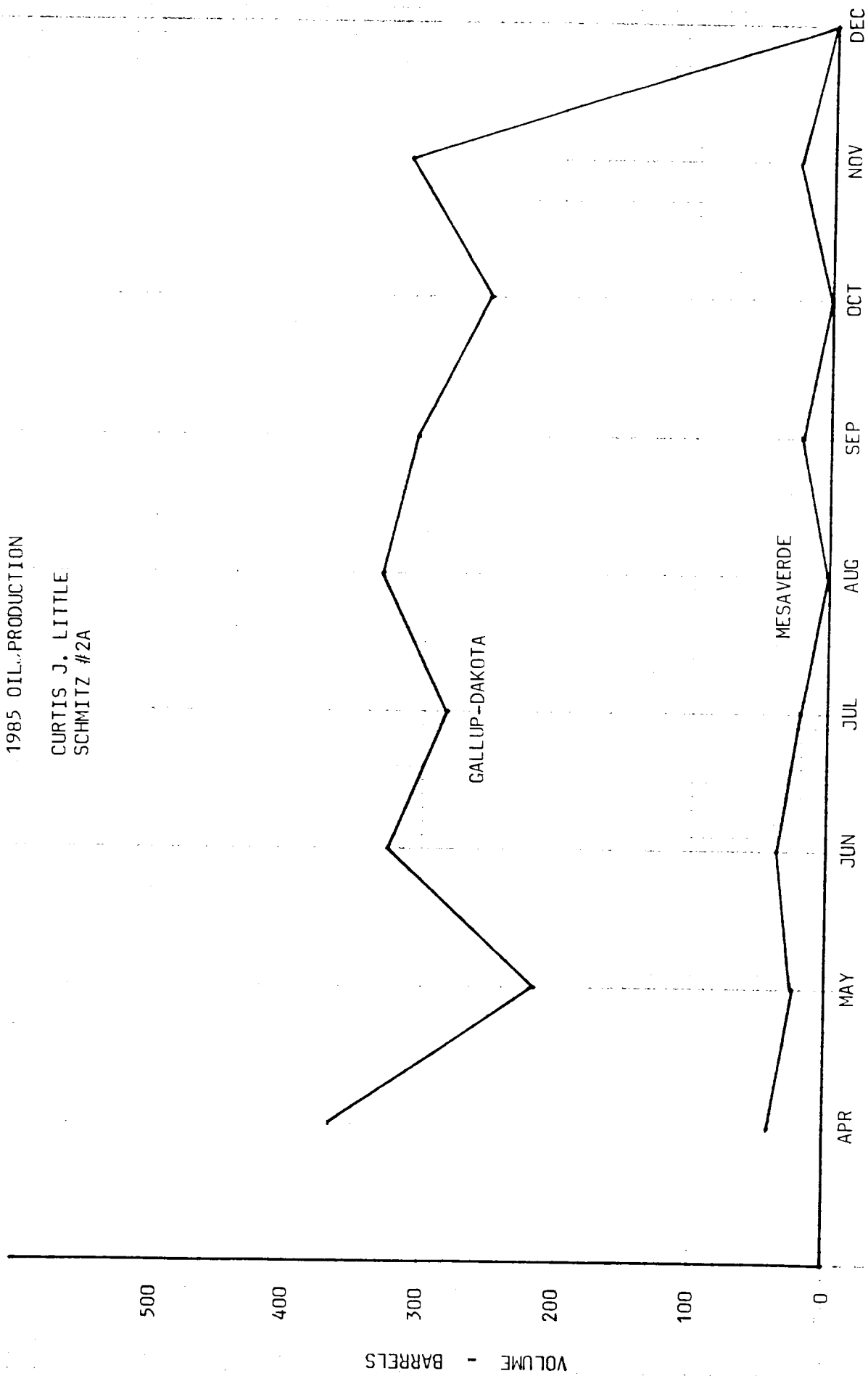
LOCATION	OPERATOR	WELL	DHC ORDER NUMBER	ZONE	PRODUCTION SPLIT	
					OIL %	GAS %
A-10-25-3	AMOCO PROD. CO.	FRED PHILLIPS	R-7651	MV	16	24
				G-D	84	76
C-10-25-3	AMOCO PROD. CO.	FRED PHILLIPS	R-7651	MV	16	24
				G-D	84	76
I-10-25-3	AMOCO PROD. CO.	FRED PHILLIPS	R-7651	MV	16	24
				G-D	84	76
K-10-25-3	AMOCO PROD. CO.	FRED PHILLIPS	R-7651	MV	16	24
				G-D	84	76
E-15-25-3	AMOCO PROD. CO.	FRED PHILLIPS	R-7651	MV	16	24
				G-D	84	76
E-18-25-3	TEXACO, INC.	C. W. ROBERTS #6A	R-7139	MV	12	87
				G-D	88	13
L-18-25-3	TEXACO, INC.	C. W. ROBERTS #3A	R-7139	MV	12	87
				G-D	88	13
O-18-25-3	TEXACO, INC.	C. W. ROBERTS #3	R-5500	MV		
				G-D		
A-19-25-3	TEXACO, INC.	LYDIA RENTZ #4	R-5500	MV		
				G-D		
E-21-25-3	ELLIOTT OIL CO.	ORA #1	R6757	MV	9	70
				G-D	91	30
G-21-25-3	ELLIOTT OIL CO.	ORA #2	DHC-529	MV	5	10
				G-D	95	90

1985 OIL PRODUCTION

CURTIS J. LITTLE  
SCHMITZ #2A

GALLUP-DAKOTA

MESAVERDE



1985 GAS PRODUCTION  
CURTIS J. LITTLE  
SCHMITZ #2A

MESAVERDE

GALLUP-DAKOTA

14,000

12,000

10,000

8,000

6,000

4,000

2,000

0

VOLUME - MCF

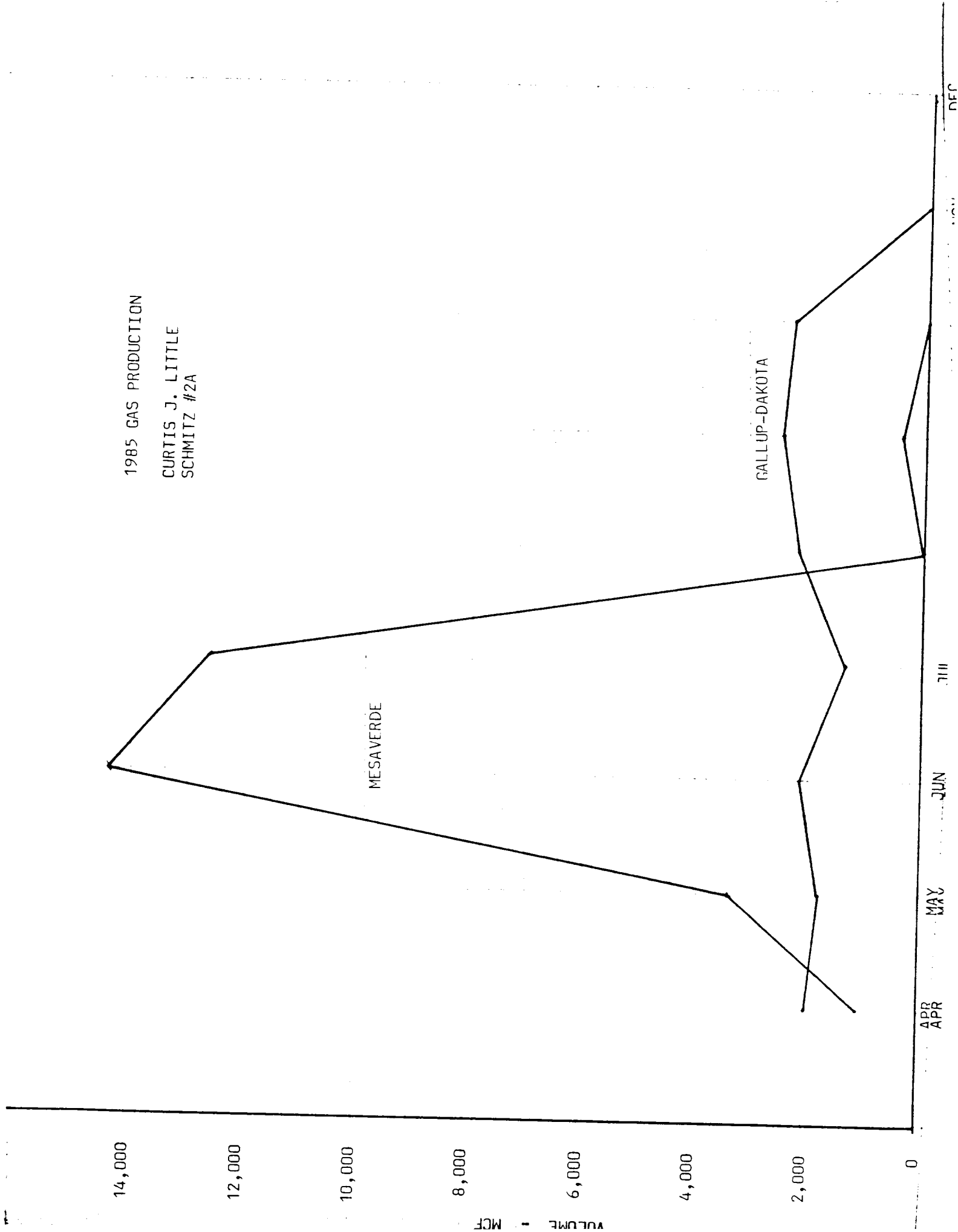
APR

MAY

JUN

JUL

DEC



## NAMES AND ADDRESSES OF OFFSET OPERATORS

Amoco Production Company  
501 Airport Drive  
Farmington, New Mexico 87401

El Paso Natural Gas Company  
P.O. Box 990  
Farmington, New Mexico 87499-0990

Schalk Development Company  
P.O. Box 25825  
Albuquerque, New Mexico 87125

Texaco, Inc.  
P.O. Box 2100  
Denver, Colorado 80201

Union Texas Petroleum Corporation  
375 U.S. Highway 64  
Farmington, New Mexico 87401

Oil Conservation Division  
1000 Rio Brazos Road  
Aztec, New Mexico 87410

Bureau of Land Management  
Caller Service 4104  
Farmington, New Mexico 87499-4104

**A. R. KENDRICK**

BOX 516 • AZTEC, NEW MEXICO 87410 • (505) 334-2555

---

July 15, 1986

Mr. David Catanech  
Oil Conservation Division  
Box 2088

Santa Fe, New Mexico 87504-2088

JUL 17 1986

Re: Application for Downhole Commingling Order  
Curtis J. Little  
Schmitz #2A

Dear Dave:

The enclosed Form C-116 was overlooked in the haste of filing the referenced application. Please attach it to the application.

Yours very truly,



A. R. Kendrick

Enclosure

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

SANTA FE, NEW MEXICO 87501

Form G-116  
Revised 10-1-78

GAS-OIL RATIO TESTS

Operator		Well		County							
Cupples J. Little		Rio Arriba		Rio Arriba							
P. O. Box 1258, Farmington, NM 87499		Office Gallup Dakota		Schedule <input type="checkbox"/>							
LEASE NAME		TYPE OF TEST - (X)		Condition <input checked="" type="checkbox"/> Special <input type="checkbox"/>							
WELL NO.	LOCATION	DATE OF TEST	CHOKE SIZE	TBC. PRESS.	DAILY ALLOWABLE	Interval of test hours	PROD. DURING TEST				GAS - OIL RATIO CU. FT./BBL.
							WATER BBL.	CHALK. OIL BBL.	OIL BBL.	GAS M.C.F.	
2-A	G 16 25 3	6-14-86	64/64	168		24	10	45	12	34	2833

JUL 30 1986

RECEIVED

RECEIVED

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 Division.  
Gas volumes must be reported in MCF measured at a pressure above of 15.025 psia and a temperature of 60° F. Specific gravity base will be 0.60.  
Report casing pressure in flow 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 Division 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.

Operator *[Signature]*  
(Signature)  
Title

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

SANITIA EL NUEVO MEXICO 87201

Form C-116  
Revised 10-1-78

GAS-OIL RATIO TESTS

Operator		Pool		County															
CURTIS J. LITTLE		Ojito Gallup Dakota		Rio Arriba															
Address		Type of Test		Schedule		Conclusion		Special											
LEASE NAME		WELL NO.		LOCATION		DATE OF TEST		CHOKE SIZE		T.B.C. PRESS.		DAILY ALLOWABLE		Number of Test Runs		PROD. DURING TEST		GAS - OIL RATIO	
Schultz		2-A		G 16 25 3		6-14-86		P 64/64		168				24		10 45 12		34 2833	

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 allowable when authorized by the Division.  
Gas volumes must be reported in MCF measured at a pressure base of 15.025 psia and a temperature of 60° F. Specify gravity base - 15 lbs 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 Division in accordance with Rule 331 and appropriate pool rules.

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

Operator (Signature)  
Date