

TONEY ANAYA

STATE OF NEW MEXICO

ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION AZTEC DISTRICT OFFICE



Case 8217

May 1, 1984

Mr. Curtis J. Little P.O. Box 1258 Farmington, NM 87499

Re: Application for Hardship Classifications Federal Com #2E P-11-28N-13W

Dear Curtis:

The referenced application is being returned unapproved, for the following reasons:

- 1) Venting a small amount of gas during swabbing is necessary as part of any swabbing operation, and does not necessarily constitute inefficient and dissipating use of reservoir energy as the energy is used to lift accumulated liquid.
- 2) There is no showing that extended shut-in decreases the ultimate recovery of the well.
- 3) You state that the well needed to be unloaded four times, but do not show how these "log offs" on a time line with production or state why the wells were shut in.
- 4) You did not show cost figures which indicate that without relief this well would be prematurely abandoned.
- 5) There is no calculation of reserves which would be lost due to premature abandonment.
- 6) There is no documentation of the well's production history. (log of production vs time, etc.)

You stated that the well would log-off if shut-in for "a month or move". Would a shut-in of two weeks be detrimental?

If you have any questions, please contact this office.

Sincerely,

Frank T. Chavez District Supervisor

FTC/dj

xc: Joe Ramey

CURTIS J. LITTLE

TELEPHONE [505] 327-6176 PETROLEUM PLAZA SUITE 175 POST OFFICE BOX1258 FARMINGTON, NEW MEXICO 87499

April 23, 1984

Joe D. Ramey, Secretary Energy and Minerals Department Oil Conservation Commission P.O. Box 2088 Santa Fe, NM 87501

Re: #2E Federal Com.

Sec. 11-T28N-R13W

San Juan County, New Mexico

Dear Mr. Ramey:

Enclosed is a copy of our application on the above mentioned well for "Classification As Hardship Gas Well". I certify that all information submitted herein is true and correct to the best of my knowledge. I further certify that all offset operators have been mailed a complete copy of the application on this date.

Very truly yours,

CURTIS J/LITTLE

CJL/kjt Encls.

cc: Frank Chavez - Aztec Office OCC

cc: Amoco - Farmington

cc: Southland Royalty - Farmington

cc: Texaco - Denver

APR2 4 1984
OIL CON. DIV.



وبأسطينا ووسولا لمته ممسووهما

APPLICATION FOR CLASSIFICATION AS HARDSHIP GAS WELL

Operator	Cui	rtis].	Litt	le			Co	ntact	Part	y <u>Curtis</u>	1.	Little_	
Address	P.O.	Box 1	258,	Farmingto	on, NM	87	499			Phone No.	505	/327-61	76
Lease F	ederal	Com		Well No.	2E	_ טד	<u> N</u>	Sec.	11	TWP 28N		RGE _	13W
Pool Name	. <u>]</u>	Basin	Dakot	ta	·		Min	imum	Rate	Requested		38 MCF	
Transpool	. Min	e El	Paso	Natural	Gas Co).	Pu	rchas	er (i	f differen	t)	·.	
yre Aon	seeking	g emer	gency	"hardship'	classi	ifica	tion	for	this	well?	<u>X.</u>	yes	no
				following ip gas well		matio	on`to	sup	port	his conten	tion	that th	e subject

Provide a statement of the problem that leads the applicant to believe that "underground waste" will occur if the subject well is shut-in or is curtailed below its ability to produce. (The definition of underground waste is shown on the reverse side of this form)

- 2) Document that you as applicant have done all you reasonably and economically can do to eliminate or prevent the problem(s) leading to this application.
 - a) Well history. Explain fully all attempts made to rectify the problem. If no attempts have been made, explain reasons for failure to do so.
 - b) Mechanical condition of the well(provide wellbore sketch). Explain fully mechanical attempts to rectify the problem, including but not limited to:
 - the use of "smallbore" tubing;
 other de-watering devices, such as plunger
 rod pumping units, etc.

Present historical data which demonstrates conditions that can lead to waste. Such data should include:

- a) Permanent loss of productivity after shut-in periods (i.e., formation damage).
- b) Frequency of swabbing required after the well is shut-in or curtailed.
- (c) Length of time swabbing is required to return well to production after being shut-in.
 - d) Actual cost figures showing inability to continue operations without special relief
- 4) If failure to obtain a hardship gas well classification would result in premature abandonment, calculate the quantity of gas reserves which would be lost
- 5) Show the minimum sustainable producing rate of the subject well. This rate can be determined by:
 - a) Minimum flow or "log off" test; and/or
 - b) Documentation of well production history (producing rates and pressures, as well as gas/water ratio, both before and after shut-in periods due to the well dying, and other appropriate production data).
- 6) Attach a plat and/or map showing the proration unit dedicated to the well and the ownership of all offsetting acreage.
- 7) Submit any other appropriate data which will support the need for a hardship classification.
- B) If the well is in a prorated pool, please show its current under- or over-produced status.
- Attach a signed statement certifying that all information submitted with this application is true and correct to the best of your knowledge; that one copy of the application has been submitted to the appropriate Division district office (give the name) and that notice of the application has been given to the transporter/purchaser and all offset operators.

EXHIBIT "B"

SUPPLEMENT TO APPLICATION FOR CLASSIFICATION AS HARDSHIP GAS WELL

Well: #2E Federal Com. Section 11-T28N-R13W San Juan County, New Mexico

In the past 6 months, this well has:

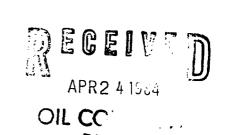
- averaged 27 days per month on pipeline.
- b) flowed an average of 8.7 days per month with El Paso Code 34 "Valve Open - No Gas Flow).
- averaged 2650 MCF per month (88 MCF per day). c)
- d) averaged 75 BBLS oil per month.

This well "dies" if shut-in for an extended period (a month or more), and requires a day of swabbing, or two hours of "unloading" with Nitrogen, at a cost of approximately \$2000.00 for either treatment. In the past, the well has been swabbed once, and unloaded with Nitrogen three times. Having to swab the well into the atmosphere or unload the well with Nitrogen to "put the well into production after any prolonged period of shut-in" causes inefficient and dissipating use of reservoir gas energy.

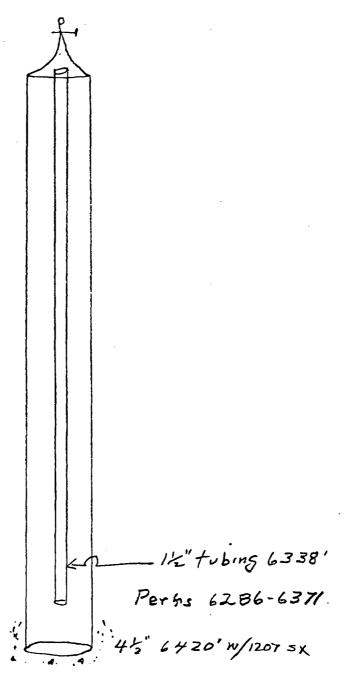
As of January 1, 1984, the subject spacing unit was 17,217 MCF under-Feb prod 5763 Apr Allon 2119 produced on its allowable.

Hardship: Prevention of Waste: We have an intermitter that shuts the well in for 6 hours and flows 3 hours through the separator and into the pipeline. We also have 6338 feet of $1\frac{1}{2}$ " tubing in the hole rather than the normal 2" tubing.

The minimum rate at which the well will flow is 88 MCFGPD. Deliverability for the 1983 test was 70 MCFGPD.



Curtis Little
2E Fed. Com.
N-11-28-13
San Juan co Mm
Basin Dakuta



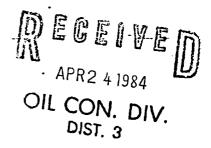
APR2 4 1984
OIL CON. DIV
DIST. 3

To	wnship	<u> </u>	Runge	1310	San Tur-n	County, State of	
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Island Township Plat-

-Scale 1-inch to 1-mile In stock and for Sale by THE OLDS PRESS Tulsa, Oklahoma . Printed in U.S.A.

Transporter: El Pasa Natural Gas



CURTIS J. LITTLE

TELEPHONE [505] 327-6176 PETROLEUM PLAZA SUITE 175 POST OFFICE BOX1258 FARMINGTON, NEW MEXICO 87499

May 7, 1984

Mr. Frank Chavez Oil Conservation Division 1000 Rio Brazos Road Aztec, NM 87410

Case 821)

Re: Application for Hardship Classification Federal Com #2E - P-11-28-13

Dear Frank:

In reply to your six objections to my application, I should like to resubmit the following comments on each item:

- 1. The amount of gas vented in order to swab the well in or to unload with Nitrogen is more than a small amount. I cannot think of any other explanation of "Underground Waste".
- 2. Extended shut-in decreases the ultimate recovery due to the swelling of interstitial water-sensitive clays.
- 3. The well currently has to be shut-in 70% of the time on a regulated time-clock for pressure to build-up to lift the gas plunger. The reason the well is being shut-in is because El Paso Natural Gas Company forces the shut-in due to "lack of Market"-106 consecutive days (June 11 to October 3) in 1982, and 83 consecutive days (April 3 to June 16) in 1983.
- 4. Spending \$2000.00 for each treatment to get the well started to again produce will necessitate premature abandonment. In addition, the shut-ins are believed to injure the water-sensitive Dakota sands.
- 5. There is no method to calculate the amount of reserves lost to the water-sensitive sands.
- 6. Documentation of the well's productive history is approximately 88 MCF gas and 2.5 BBLS condensate per day when the gas lift is operating (30% of each day) in the $1\frac{1}{2}$ " tubing.

To answer your comment "Would a shut-in of two weeks be detrimental?", in my opinion, "Yes!", but less detrimental than 106 or 83 days of continuous shut-in.

Very truly yours,

CURTIS J. LITTLE

CJL/kjt cc: Joe D. Ramey





ENERGY AND MINERALS DEPARTMENT OIL CONSERVATION DIVISION

TONEY ANAYA

May 11, 1984

POST OFFICE BOX 2088 STATE LAND OFFICE BUILDING SANTA FE, NEW MEXICO 87501 (505) 827-5800

Curtis J. Little
Post Office Box 1258
Farmington, New Mexico 87499

Case 8217

Re: Hardship Gas Well

Classification

Federal Com. Well No. 2E, Unit N, Section 11, T28N, R13W, San Juan County

Gentlemen:

The above referenced hardship gas well classification has been set for hearing on June 6, 1984. The case will be heard by Examiner R. L. Stamets in the Oil Conservation Division Conference Room at 8 o'clock a.m.

Yours very truly,

JOE D. RAMEY Director

JDR/fd

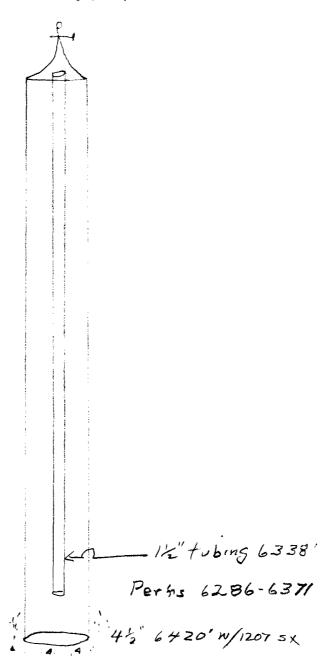
Curtis Little

2E Ted. Com.

N-11-28-13

San Juan co MM

Basin Dakota



CURTIS J. LITTLE

OIL AND GAS

TELEPHONE [505] 327-6176 PETHOLEUM PLAZA SUITE 175 POST OFFICE BOX1258 FARMINGTON, NEW MEXICO 87499

May 29, 1984

J ---

Oil Conservation Division P. O. Box 2088 Santa Fe NM 87501

Attention: Mr. Joe Ramey, Director

Dear Sir:

Reference is made to Case No. 8217, set for hearing on Wednesday, June 6.

Due to a previous commitment, I will be out of the country and request the subject case be continued to July 11, 1984. Thank you.

Very truly yours,

CURTIS J. LITTLE

CJL/sl

MAY \$ 1 1984

OIL COMSERVATIONS
SANTA OF

CAMPBELL & BLACK, P.A.

LAWYERS

JACK M. CAMPBELL
BRUCE D. BLACK
MICHAEL B. CAMPBELL
WILLIAM F. CARR
BRADFORD C. BERGE
J. SCOTT HALL
PETER N. IVES
RUTH S. MUSGRAVE
LOURDES A. MARTINEZ

RECEIVED

OCT 3 0 1984

JEFFERSON PLACE
SUITE I - 110 NORTH GUADALUPE
POST OFFICE BOX 2208
SANTA FE, NEW MEXICO 87501

TELEPHONE: (505) 988-4421 TELECOPIER: (505) 983-6043

OIL CONSERVATION DIVISION

October 30, 1984

Mr. R. L. Stamets
Acting Director
Oil Conservation Division
New Mexico Department of
Energy and Minerals
Post Office Box 2088
Santa Fe, New Mexico 87501

Re: Oil Conservation Division Case 8217: Application of Curtis J. Little for Hardship Gas Well Classification, San Juan County, New Mexico.

Dear Mr. Stamets:

Curtis J. Little hereby requests that the above-referenced case scheduled for hearing on October 31, 1984, be continued to the Examiner hearing scheduled for November 14, 1984.

Your attention to this request is appreciated.

Very truly yours,

William F. Carr

WFC/cv

cc: Mr. Ewell N. Walsh



ENERGY AND MINERALS DEPARTMENT OIL CONSERVATION DIVISION

TONEY ANAYA

May 20, 1985

POST OFFICE BOX 2088 STATE LAND OFFICE BUILDING SANTA FE, NEW MEXICO 87501 (505) 827-5800

Ewell N. Walsh, President Walsh Engineering & Production Corp. P. O. Drawer 419 Farmington, New Mexico 87401

Re: Curtis J. Little

Federal Com Well No. 2E

Unit N, Section 11-T28N-R13W Basin-Dakota Pool, San Juan

County, New Mexico

Dear Mr. Walsh:

Based upon your letter of May 14, 1985, a one-year extension of the hardship gas well classification of the subject well as provided in Division Order No. R-7784 is hereby granted.

Sincerely,

R. L. STAMETS Director

RLS/fd

cc: Frank Chavez

√Case 8217



WALSH

ENGINEERING & PRODUCTION CORP.

Petroleum Engineering Consulting Lease Management Contract Pumping 3001 Northridge Drive P.O. Drawer 419 Farmington, New Mexico 87401 (505) 327-4892

May 14, 1985

Mr. R. L. Stamets Director State of New Mexico Oil Conservation Division P.O. Box 2088 Santa Fe, New Mexico 87501

RE: Curtis J. Little, Operator
Federal Com, Well No. 2E
Unit N, Section 11-T28N-R13W
San Juan County, New Mexico
Hardship Gas Well Classification

Order No. R-7784

Dear Mr. Stamets:

As per Order No. R-7784, this is a request on behalf of the above-referred-to operator, for extension of the Hardship Classification past May 31, 1985, for the above-referred-to well.

It is also requested that the extension be for one (1) year or until May 31, 1986.

Due to the Hardship Classification, the well maintained a good producing condition since November, 1984. It has not been necessary to swab or use any other method to remove water from the well.

The following is a tabulation of the production from the well.

<u>YEAR</u>	MONTH	MONTHLY PRODUCTION MCF	PRODUCING DAYS	DAILY AVERAGE MCF
1984	November	2,322	30	77
	December	2,730	31	88
1985	January	2,523	31	82
	February	2,335	28	83
	March	2,550	31	82
	April	2,124	30	71

The producing rate did not, during any one month, exceed the 88 MCF per day approved maximum flow rate.



Mr. R. L. Stamets Page 2 May 14, 1985

According to the May, 1985, Northwest Gas Proration Schedule, the proration unit in which the well is located is under produced 5,844 MCF.

As presented during Case No. 8217, any extended shut-in period for the well, will in all probability, affect the volume of gas that could ultimately be recovered from the reservoir. The affect would be due to produced water extrusion and damage of the reservoir.

Thank you for your consideration in granting an extension of the Hardship Classification for one (1) year.

Very truly yours,

Ewell N. Walsh, P.E.

President

ENW:blk

cc: Mr. Curtis J. Little
Mr. Frank Chavez, NMOCD



ENERGY AND MINERALS DEPARTMENT OIL CONSERVATION DIVISION

TONEY ANAYA

January 18, 1985

POST OFFICE BOX 2088 STATE LAND OFFICE BUILDING SANTA FE, NEW MEXICO 87501 (505) 827-5800

Mr. William F. Carr Campbell & Black Attorneys at Law	Re:	CASE NO. 8217 ORDER NO. R-7784
Post Office Box 2208 Santa Fe, New Mexico		Applicant:
		Curtis J. Little
Dear Sir:		
Enclosed herewith are two Division order recently o	o copie entered	s of the above-referenced in the subject case.
Sincerely,		
Dr. L Clamb		
R. L. STAMETS Director	-	,
•		
RLS/fd		
Copy of order also sent t	to:	
Hobbs OCD x Artesia OCD x		
Artesia OCD x Aztec OCD x		
Other H & Wondrick		



ENERGY AND MINERALS DEPARTMENT OIL CONSERVATION DIVISION



1935 - 1985

May 12, 1986

Case 8213

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE. NEW MEXICO 87501
(505) 827-5800

Ewall N. Walsh, P.E. Walsh Engineering and Production Co. P. O. Drawer 419

Farmington, New Mexico 87401

RE: ORDER R-7784, CURTIS J. LITTLE, FED. COM WELL NO. 2-E, UNIT N, 11-28N-13W, SAN JUAN COUNTY, N.M.

Dear Mr. Walsh:

As requested by your letters dated April 16 and May 1, 1986, we are extending the hardship gas well classification granted by the captioned order.

The water production, supplied by your letter of May 1, indicates a decreasing volume. In the absence of flowing tubing pressure data, we assume that the well is improving in its flowing characteristics. We believe it is appropriate, therefore, to reduce the minimum flow rate to 80 MCF per day.

Order No. R-7784 is hereby extended in effect until May 31, 1987, except that the minimum flow rate in ordering paragraph (1)(c) is reduced to 80 MCFD.

Sincerely

R. L. STAMETS

Director

RLS:dp

cc: El Paso Natural Gas, Farmington

Aztec District Office



WALSH

ENGINEERING & PRODUCTION CORP.

Petroleum Engineering Consulting Lease Management Contract Pumping 3001 Northridge Drive P.O. Drawer 419 Farmington, New Mexico 87401 [505] 327-4892

May 1, 1986

Mr. R. L. Stamets, Director New Mexico State Energy and Minerals Department Oil Conservation Commission P. O. Box 2088 Santa Fe, New Mexico 87501

REF: Order R-7784, Curtis J. Little Fed. Com Well No. 2-E Unit N Sec. 11-T28N-R13W San Juan County, New Mexico

Dear Mr. Stamets:

As per your request of April 23, 1986, the following is the water production for the above-referred-to well.

YEAR	MONTH	PRODUCING WELLS DAYS	WATER-BBLS PRODUCTION
1985	June	30	45
	July	31	45
	August	31	37
	September	30	41
	October	31	25
	November	30	34
	December	31	25
1986	January	31	31
	February	28	14
	March	31	27

The indicated decreasing amount of water production is evidently due to the ability of the well to be continually produced and remove the produced water. However, a shut in of the well would allow water



Page 2 Mr. R. L. Stamets

accumulation near the well bore and probably affect the producing ability of the well and future recovery of gas reserves.

Very truly yours,

Ewell N. Walsh, P.E.

President

ENW:rr

cc: Curtis Little



STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT OIL CONSERVATION DIVISION



1935 - 1985

POST OFFICE BOX 2088
STATE LONG OFFICE BUILDING

SANTA FE, NEW MEXICO 87501 (505) 827-5800

April 23, 1986

Ewell N. Walsh, P.E.
Walsh Engineering and
Production Corp.
P. O. Drawer 419
Farmington, New Mexico 87401

Re: Order R-7784, Curtis J. Little, Fed. Com Well No. 2-E, Unit N, 11-28N-13W, San Juan County, New Mexico

Dear Sir:

Your letter dated April 16, requesting a one-year extension of the Hardship Gas Well Classification granted by Order No. R-7784 has been received. You did not include a record of water production during the period of the favored classification or any discussion as to a continuing need for the classification, improvement or deterioration of well producing characteristics or possibly a smaller minimum flow rate. In order to grant an extension we will need this additional information.

R. L. STAMETS,

Director

RLS/VL/dr

cc: Aztec district office



WALSH

ENGINEERING & PRODUCTION CORP.

Petraleum Engineering Consulting Lease Management Contract Pumping 3001 Northridge Drive P.O. Drawer 419 Farmington, New Mexico 87401 [505] 327-4892

April 16, 1986

Mr. R. L. Stamets, Director State of New Mexico Oil Conservation Division P. O. Box 2088 Santa Fe, New Mexico 87501

> REF: Curtis J. Little, Operator Federal Comm, Well No. 2-E Unit N, Section 11-T28N-R13W San Juan County, New Mexico Hardship Gas Well Classification Opder No. R-7784

Dear Mr. Stamets:

As per Order No. R-7784, this is a request on behalf of the above-referred-to operator, for extension of the Hardship Classification past May 31, 1986, for the above-referred-to well.

It is also requested that the extension be for one (1) year or until May 31, 1987.

Due to the Hardship Classification, the well maintained a good producing condition since November 1984. It has not been necessary to swab or use any other method to remove water from the well.

The following is a tabulation of the production from the well:

YEAR	MONTH	MONTHLY PRODUCTION MCF	PRODUCING DAYS	DAILY AVERAGE MCF
1985	June July August September October November December	2,548 65 2,516 9! 2,872 92 2,381 79 2,800 90 2,099 70 2,984 96	30 31 31 30 31 30 31	85 81 92 79 90 70 96
1986	January February March	2,421 78 2,266 75 8! 2,498 8!	31 28 31	78 81 81



The producing rate did exceed the 88 MCF per day approved maximum rate during three (3) of the producing months. The reason for exceeding the 88 MCF per day was due to lower than normal gathering line pressure during those months.

According to the April 1985, Northwest Gas Proration Schedule, the proration unit in which the well is located was not overproduced or underproduced.

As presented during Case No. 8217, any extended shut in period for the well, will in all probability, affect the volume of gas that could ultimately be recovered from the reservoir. The affect would be due to produced water extrusion and damage of the reservoir.

Thank you for your consideration in granting an extension of the Hardship Classification for one (1) year.

Very truly yours,

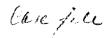
Ewell N. Walsh, P.E.

President

ENW:rr

cc: Mr. Curtis Little

Mr. Frank Chavez, OCD, Aztec, N.M.



ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION



COVERNOR

May 6, 1987

POST OFFICE BOX 2088 STATE LAND OFFICE BUILDING SANTATE, NEW MEXICO 87501 (505) 827-5800

Ewell N. Walsh, P.E.
Walsh Engineering and
Production Corporation
P. O. Drawer 419
Farmington, New Mexico 87401

Re: Curtis J. Little - Federal Com Well No. 2-E N-11-28N-13W, Hardship Classification Case 8217, Order R-7784

Dear Mr. Walsh:

Your letter dated April 29, 1987 requests extension of the hardship classification granted by the referenced order. It appears that the conditions recited in the order still prevail except that the proration unit is no longer overproduced and that the minimum flow rate may be reduced without danger of causing waste.

The hardship classification for the Curtis J. Little Federal Com No. 2-E well in the Basin Dakota Pool is hereby extended to May 31, 1988. The minimum flow rate is hereby reduced to 65 MCF/day. All other provisions of Order R-7784 are to remain in full force and effect.

Sincerely,

WILLIAM J. LEMAY,

Director

WJL/VTL/dr

cc: Frank Chaves, OCD Aztec, New Mexico



WALSHI

ENGINEERING & PRODUCTION CORP.

Petroleum Engineering Consulting Lease Management Contract Pumping 3001 Northridge Drive P.O. Drawer 419 Farmington, New Mexico 87401 [505] 327-4892

April 29, 1987

APR 3 n 1997

CALLED IN

Mr. William J. Lemay
Division Director
State of New Mexico
Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87501

REF: Curtis J. Little, Operator
Federal Comm. Well No. 2-E
Unit N, Section 11-T28N-R13W
San Juan County, New Mexico
Hardship Gas Well Classification

Order No. R-7784

Dear Mr. Lemay:

As per Order No. R-7784, this is a request on behalf of the above-referred-to operator, for extension of the Hardship Classification past May 31, 1987, for the above-referred-to well.

It is also requested that the extension be for one (1) year or until May 31, 1988.

Due to the Hardship Classification, the well maintained a good producing condition since November 1984. It has not been necessary to swab or use any other method to remove water from the well.

The following is a tabulation of the production from the well:

YEAR	MONTH	MONTHLY PRODUCTION MCF	MONTHLY WATER PRODUCTION BBLS	PRODUCING DAYS	DAILY AVERAGE MCF
1986	June	2300	30	30	77
	July	2271	37	31	7 3
	August	2219	34	31	7 2
	September	2369	2 7	30	79
	October	1995	28	31	6 4
	November	1997	21	30	66
	December	2262	36	31	73
1987	January	2092	15	31	67
	February	1808	37	28	65
	March	1993	37	31	6 4



Page 2 William J. Lemay

The producing rate did not exceed the $80\ \text{MCF}$ per day approved maximum rate during the producing months.

According to the April 1987, Northwest Gas Proration Schedule, the proration unit in which the well is located was under produced by 21,814 MCF.

As presented during Case No. 8217, any extended shut in period for the well, will in all probability, affect the volume of gas that could ultimately be recovered from the reservoir. The affect would be due to produced water extrusion and damage of the reservoir.

Thank you for your consideration in granting an extension of the Hardship Classification for one (1) year.

Very truly yours,

Ewell N. Walsh, P.E.

President

ENW:rr

cc: Curtis J. Little

Mr. Frank Chavez, OCD, Aztec, N.M.



ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

Case 8217

OIL CONSERVATION DIVISION

GARREY CARRUTHERS
GOVERNOR

May 31, 1988

POST OFFICE BOX 2088 STATE LAND OFFICE BUILDING SANTA FE, NEW MEXICO 87504 (505) 827-5800

Ewell N. Walsh, P.E.
Walsh Engineering and
Production Corp.
P. O. Drawer 419
Farmington, New Mexico 87401

Re: Curtis J. Little, Federal Com. Well 2-E, N-11-28N-13W, San Juan County, N.M. Hardship Gas Well Classification

Dear Mr. Walsh:

Your letter of May 25 requested extension of the classification granted the subject well by Order R-7784 entered in Case 8217. The information submitted indicates the well conditions are unchanged and that the well is not overproduced.

The hardship classification for said well granted by Order R-7784 is hereby extended to May 31, 1989, together with the conditions enumerated in said order.

Yours very truly,

V. T. Lyon,

Deputy Director

VTL/dr

cc: Frank Chavez, Aztec

Harold Garcia Allen Armijo Case File



ENGINEERING & PRODUCTION CORP.

Petroleum Engineering Consulting Lease Management Contract Pumping

3001 Northridge Drive P.O. Drawer 419 Farmington, New Mexico 87401 [505] 327-4892

May 25, 1988

Mr. William J. Lemay Division Director State of New Mexico Oil Conservation Division P. O. Box 2088 Santa Fe, New Mexico 87501

> REF: Curtis J. Little, Operator Federal Comm. Well No. 2-E Unit N, Section 11-T28N-R13W San Juan County, New Mexico Hardship Gas Well Classification

Order No. R-7784

Dear Mr. Lemay:

As per Order No. R-7784, this is a request on behalf of the above-referred-to Operator, for extension of the Hardship Classification past May 31, 1988, for the abovereferred-to well.

It is also requested that the extension be for one (1) year or until May 31, 1989.

Due to the Hardship Classification, the well maintained good producing conditions since November 1984. It has not been necessary to swab or use any other method to remove water from the well.

The following is a tabulation of the production from the well:

YEAR	MONTH	MONTHLY PRODUCTION MCF	MONTHLY WATER PRODUCTION BBLS	PRODUCING DAYS	DAILY AVERAGE MCF
1988	April	1,772	20	30	59
	May	1,494	20	31	48
	June	1,653	24	26	64
	Ju1y	2,165	27	31	70
	August	2,112	23	31	68
	September	1,837	30	30	61
	October	1,195	9	31	39
	November	2,255	35	30	75
	December	1,353	29	31	44
1988	January	1,721	21	31	56
	February	1,297	9	29	45
	March	1,799	34	30	60



Page 2 William J. Lemay

The producing rate did not exceed the $80\ \mathrm{MCF}$ per day approved maximum rate during the producing months.

According to the May 1988, Northwest Gas Proration Schedule, the proration unit in which the well is located was under produced by 24,023~MCF.

As presented during Case No. 8217, any extended shut in period for the well, will in all probability, affect the volume of gas that could ultimately be recovered from the reservoir. The affect would be due to produced water extrusion and damage of the reservoir.

Thank you for your consideration in granting an extension of the Hardship Classification for one (1) year.

Very truly yours,

Ewell N. Walsh, P.E.

President

ENW:rr

cc: Mr. Frank Chavez, OCD, Aztec, N.M. Sylvia Little, Operator



ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

GARREY CARRUTHERS
GOVERNOR

May 12, 1989

POST OFFICE BOX 2088 STATE LAND OFFICE BUILDING SANTA FE, NEW MEXICO 87504 (505) 827-5800

Walsh Engineering & Production Corporation P. O. Drawer 419 Farmington, New Mexico 87401 Basin Delota Basin

Attention: Ewell N. Walsh, P.E.

Re: Curtis J. Little, Federal Comm. Well No. 2-E,

N-11-28N-13W, San Juan County, Hardship

Allowable Order R-7784, Case 8217

Dear Mr. Walsh:

Your letter dated May 9 requesting extension of the hardship classification for the subject well has been reviewed. We would point out that the 88 MCFD rate mentioned in the order is a minimum flow rate and is regarded as a maximum rate only if the GPU becomes overproduced.

The hardship classification is hereby extended to May 31, 1990.

Sincerely,

WILLIAM J. LEMAY,

Director

WJL/VTL/dr

cc: Frank Chavez Cathy Meyer

Case file 🗸



WALSH

ENGINEERING & PRODUCTION CORP.

Petroleum Engineering Consulting Lease Management Contract Pumping 3001 Northridge Drive P.O. Drawer 419 Farmington, New Mexico 87401 [505] 327-4892

May 9, 1989

Mr. William J. Lemay Division Director State of New Mexico Oil Conservation Commission P. O. Box 2088 Santa Fe, New Mexico 87501



MAY 1 0 1989

OIL CONSERVATION DIV. SANTA FE

REF: Curtis J. Little, Operator Federal Comm. Well No. 2-E Unit N, Section 11-T28N-R13W San Juan County, New Mexico Hardship Gas Well Classification Order No. R-7784

Dear Mr. Lemay:

As per Order No. R-7784, this is a request on behalf of the above-referred-to Operator, for extension of the Hardship Classification past May 31, 1989, for the above-referred-to well.

It is also requested that the extension be for one (1) year, or until May 31, 1990.

Due to the Hardship Classification, the well maintained good producing conditions since November 1984. It has not been necessary to swab or use any other method to remove water from the well.

The following is a tabulation of the production from the well:

<u>YEAR</u>	MONTH	MONTHLY PRODUCTION MCF	MONTHLY WATER PRODUCTION BBLS	PRODUCING DAYS	DAILY AVERAGE MCF
1988	Apri1	1,803	29	26	69
	May	1,602	29	31	52
	June	1,282	20	30	43
	July	1,946	23	31	63
	August	1,919	40	31	62
	September	1,871	31	30	62
	October	1,845	29	31	60
	November	1,322	26	30	44
	December	1,263	-0-	31	41
1989	January	1,518	20	31	50
	February	1,506	20	23	65
	March	1,624	31	31	52

Page No. 2 William J. Lemay

The producing rate did not exceed the 80 MCF per day approved maximum rate during the producing months.

According to the May 1989, Northwest Gas Proration Schedule, the proration unit in which the well is located was under produced by 2,047 MCF after cancellation of underproduction of 18,166 MCF.

As presented during Case No. 8217, any extended shut in period for the well, will in all probability, affect the volume of gas that could ultimately be recovered from the reservoir. The affect would be due to produced water extrusion and damage of the reservoir.

Thank you for your consideration in granting an extension of the Hardship Classiffication for one (1) year.

Very truly yours,

Ewell N. Walsh, P.E.

President

ENW:rr

cc: Mr. Frank Chavez, OCD, Aztec, N.M. Sylvia Little, Operator

Enclosure

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ENERGY. MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

GARREY CARRUTHERS
GOVERNOR

August 21, 1990

POST OFFICE BOX 2088 STATE LAND OFFICE BUILDING SANTA FE, NEW MEXICO 87504 (505) 827-5800

Curtis J. Little, Operator c/o Walsh Engineering and Production Corporation P. O. Drawer 419 Farmington, New Mexico 87401

Attention: Mr. Ewell N. Walsh, P.E.

Re: Curtis J. Little

Federal Com Well No. 2-E

Unit N-11-28N-13W

Basin Dakota (Prorated Gas) Field San Juan County, New Mexico Hardship Allowable Order R-7884

Case No. 8217

Gentlemen:

In your letter of August 17, 1990, you requested another one-year extension of the hardship classification granted in 1984 by the above order. The order approved a minimum flow rate of 88 MCF per day. In 1987 the minimum flow rate was reduced to 65 MCF per day. As requested, we are extending the hardship classification to May 31, 1991. Based on the declining producing rates, the minimum flow rate is hereby reduced to 50 MCF per day.

Sincerely,

WILLIAM J. LEMAY,

Director

WJL/JM/dr

cc: El Paso

Frank Chaves, OCD Aztec

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

GARREY CARRUTHERS
GOVERNOR

August 21, 1990

POST OFFICE BOX 2088 STATE LAND OFFICE BUILDING SANTA FE, NEW MEXICO 87504 (505) 827-5800

Curtis J. Little, Operator c/o Walsh Engineering and Production Corporation P. O. Drawer 419 Farmington, New Mexico 87401

Attention: Mr. Ewell N. Walsh, P.E.

Re: Curtis J. Little

Federal Com Well No. 2-E

Unit N-11-28N-13W

Basin Dakota (Prorated Gas) Field San Juan County, New Mexico Hardship Allowable Order R-7884

Case No. 8217

Gentlemen:

In your letter of August 17, 1990, you requested another one-year extension of the hardship classification granted in 1984 by the above order. The order approved a minimum flow rate of 88 MCF per day. In 1987 the minimum flow rate was reduced to 65 MCF per day. As requested, we are extending the hardship classification to May 31, 1991. Based on the declining producing rates, the minimum flow rate is hereby reduced to 50 MCF per day.

Sincerely,

WILLIAM J. LEMAY,

Director

WJL/JM/dr

cc: El Paso

Frank Chaves, OCD Aztec

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

GARREY CARRUTHERS

August 21, 1990

POST OFFICE BOX 2088 STATE LAND OFFICE BUILDING SANTA FE, NEW MEXICO 87504 (505) 827-5800

Curtis J. Little, Operator c/o Walsh Engineering and Production Corporation P. O. Drawer 419 Farmington, New Mexico 87401

Attention: Mr. Ewell N. Walsh, P.E.

Re: Curtis J. Little

Federal Com Well No. 2-E

Unit N-11-28N-13W

Basin Dakota (Prorated Gas) Field San Juan County, New Mexico Hardship Allowable Order R-7884

Case No. 8217

Gentlemen:

In your letter of August 17, 1990, you requested another one-year extension of the hardship classification granted in 1984 by the above order. The order approved a minimum flow rate of 88 MCF per day. In 1987 the minimum flow rate was reduced to 65 MCF per day. As requested, we are extending the hardship classification to May 31, 1991. Based on the declining producing rates, the minimum flow rate is hereby reduced to 50 MCF per day.

Sincerely,

WILLIAM J. LEMAY.

Director

WJL/JM/dr

cc: El Paso

Frank Chaves, OCD Aztec



MALS - , ENGINEERING & RROPUSTON CORP.

Petroleum Engineering Consulting Lease Management Contract Pumping 204 N. Auburn P. O. Drawer 419 Farmington, New Mexico 87499 (505) 327-4892

August 17, 1990

Mr. William J. LeMay Division Director State of New Mexico Oil Conservation Commission P. O. Box 2088 Santa Fe, New Mexico 87501

> REF: Curtis J. Little, Operator Federal Comm. Well No. 2-E Unit N, Section 11-T28N-R13W San Juan County, New Mexico Hardship Gas Well Classification Order No. R-7784

Dear Mr. LeMay:

As per Order No. R-7784, this is a request on behalf of the above-referred-to Operator, for extension of the Hardship Classification past May 31, 1990, for the above-referred-to well.

It is also requested that the extension be for one (1) year, or until May 31, 1991.

Due to the Hardship Classification, the well maintained good producing conditions since November 1984. It has not been necessary to swab or use any other method to remove water from the well.

The following is a tabulation of the production from the well:

		MONTHLY	MONTHLY WATER		DAILY
		PRODUCTION	PRODUCTION	PRODUCING	AVERAGE
YEAR	MONTH	MCF	BBLS	DAYS	MCF
1989	April	783	18	30	26
	May	826	30	31	27
	June	647	6	30	22
	July	451	6	28	16
	August	1682	0	28	49
	September	613	O	30	20
	October	723	0	31	23
	November	736	0	30	25
	December	678	30	31	22
1990	January	714	0	31	23
	February	1725 / 3 -	0	28	62
	March	961 V	31	31	32
	Apr	Service Control of the Control of th			11.3
	May	904			29.7
	June	1077	89.5 35.9		35.9



Page No. 2 William J. LeMay

The producing rate did not exceed the 80 MCF per day approved maximum rate during the producing months.

According to the May 1990, Northwest Gas Proration Schedule, the proration unit in which the well is located was classified as marginal.

As presented during Case No. 8217, any extended shut in period for the well, will in all probability, affect the volume of gas that could ultimately be recovered from the reservoir. The affect would be due to produced water extrusion and damage of the reservoir.

Thank you for your consideration in granting an extension of the Hardship Classification for one (1) year.

Very truly yours,

Ewell N. Walsh, P.E

President

ENW:rr

cc: Frank Chavez, OCD, Aztec, N.M. Sylvia Little, Operator





ENGINEERING & PRODUCTION CORP.

Lease Management Contract Pumping

204 N. Aubum P. O. Drawer 419 Farmington, New Mexico 87499 (505) 327-4892

August 22, 1990

Mr. William J. LeMay Division Director State of New Mexico Oil Conservation Commission P. O. Box 2088 Santa Fe, New Mexico 87501

Case 8217

REF: Curtis J. Littls, Operator Federal Comm Well No. 2-E Unit N, Section 11-T28N-R13W San Juan County, New Mexico Hardship Gas Well Classification

Order No. R-7784

Dear Mr. LeMay:

The operator amended the Operator's Monthly Report, concerning water production, for the following months;

1989	August	1990	January
1989	September	1990	February
1989	October		
1989	November		

Therefore, the following is an amended tabulation of the production from the well:

YEAR	MONTH	MONTHLY PRODUCTION MCF	MONTHLY WATER PRODUCTION BBLS	PRODUCING DAYS	DAILY AVERAGE MCF
1989	Apri1	783	18	30	26
	May	826	30	31	27
	June	647	6	30	22
	July	451	6	28	16
	August	1682	42	28	49
	September	613	45	30	20
	October	723	46	31	23
	November	736	45	30	25
	December	678	30	31	22
1990	January	714	46	31	23
	February	724	39	28	26
	March	961	31	31	32



Page No. 2 William J. LeMay

Thank you for your cooperation in this matter. If you have any questions, please do not hesitate to contact me.

Very truly yours,

Ewell N. Walsh, P.E.

President

ENW:rr

cc: Sylvia Little, Operator Frank Chavez, OCD, Aztec, N.M.

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ENGINEERING & PRODUCTION CORP.

Petroleum Engineering Consulting Lease Management Contract Pumping

204 N. Auburn P. O. Drawer 419 Farmington, New Mexico 87499 (505) 327-4892

May 8, 1991

Mr. William J. LeMay Division Director State of New Mexico Oil Conservation Commission P. O. Box 2088 Santa Fe, New Mexico 87501

> REF: Curtis J. Little, Operator Federal Comm Well No. 2-E Unit N, Section 11-T28N-R13W San Juan County, New Mexico Hardship Gas Well Classification Order No. R-7784 · Case

Dear Mr. LeMay:

As per Order No. R-7784, this is a request on behalf of the above-referred-to Operator, for extension of the Hardship Classification past May 31, 1991 for the above-referred-to well.

It is also requested that the extension be for one (1) year, or until May 31, 1992.

Due to the Hardship Classification, the well maintained good producing conditions since November 1984. It has not been necessary to swab or use any other method to remove water from the well.

The following is a tabulation of the production from the well:

****	Movem	MONTHLY PRODUCTION	MONTHLY WATER PRODUCTION	PRODUCING	DAILY AVERAGE
YEAR	MONTH	MCF	BBLS	DAYS	MCF
1990	April	593	30	30	20
	May	901	46	31	29
	June	1,077	45	30	36
	July	914	41	27	34
	August	826	42	29	28
	September	628	44	30	21
	October	693	46	31	22
	November	582	41	27	22
	December	510	41	31	16
1991	January	529 ₀	40	20	26
	February	326 €	40	28	12
	March	524	11	31	17



Page No. 2
William J. LeMay

The producing rate did not exceed the 50 MCF per day approved maximum rate during the producing months.

According to the April 1991, Northwest Pas Proration Schedule, the proration unit in which the well is located was classified as marginal.

As presented during Case No. 8217, any extended shut in period for the well, will in all probability, affect the volume of gas that could ultimately be recovered from the reservoir. The affect would be due to produced water extrusion and damage of the reservoir.

Thank you for your consideration in granting an extension of the Harsehip Classification for one (1) year.

Very truly yours,

Ewell N. Walsh, P.E.

President

ENW:rr

cc: Frank Chavez, OCD, Aztec, N.M. Curtis J. Little, Operator

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT



GOVERNOR

OIL CONSERVATION DIVISION

May 15, 1991

POST OFFICE BOX 2088 STATE LAND OFFICE BUILDING SANTA FE, NEW MEXICO 87504 (505) 827-5800

Curtis J. Little, Operator c/o Walsh Engineering and Production Corporation P. O. Drawer 419 Farmington, New Mexico 87401

Attention: Mr. Ewell N. Walsh, P.E.

Re: Curtis J. Little

Federal Com Well No. 2-E

Unit N-11-28N-13W

Basin Dakota (Prorated Gas) Field San Juan County, New Mexico Hardship Allowable Order R-7884

Case No. 8217

Gentlemen:

As requested in your letter of May 8, 1991, we are extending the hardship classification for this well to May 31, 1991 at the 50 MCF per day rate approved last year.

Sincerely,

WILLIAM J. LEMA

Director

WJL/JM/dr

cc: El Paso Natural Gas

Frank Chavez, OCD Aztec

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT



OIL CONSERVATION DIVISION

BRUCE KING GOVERNOR

May 17, 1991

POST OFFICE BOX 2088 STATE LAND OFFICE BUILDING SANTA FE, NEW MEXICO 87504 (505) 827-5800

Curtis J. Little, Operator c/o Walsh Engineering and Production Corporation P. O. Drawer 419 Farmington, New Mexico 87401

Attention: Mr. Ewell N. Walsh, P.E.

Re: Curtis J. Little

Federal Com Well No. 2-E

Unit N-11-28N-13W

Basin Dakota (Prorated Gas) Field San Juan County, New Mexico Hardship Allowable Order R-7884

Case No. 8217

Gentlemen:

As requested in your letter of May 8, 1991, we are extending the hardship classification for this well to May 31, 1992 at the 50 MCF per day rate approved last year. This corrects our letter of May 15, 1991.

Sincerely,

WILLIAM J. LEMAY,

Director

WJL/JM/dr

cc: El Paso Natural Gas

Frank Chavez, OCD Aztec



ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

May 29, 1992

BRUCE KING
GOVERNOR
Joe Elledge
Curtis J. Little Oil and Gas
P.O. Box 1258
Farmington, New Mexico 87499

POST OFFICE BOX 2088 STATE LAND OFFICE BUILDING SANTA FE, NEW MEXICO 87504 (505) 827-5800

Re: Federal Com Well No. 2-E

Unit N, Section 11, Township 28 North, Range 13 West, Basin Dakota Pool, San Juan County, New Mexico. Case File: 8217, Order No. R-7784

Dear Mr. Elledge:

Reference is made to your letter dated May 27, 1992 and to a letter dated May 1, 1992 from Walsh Engineering & Production Corporation requesting a one-year extension of the hardship classification granted in 1984 by the aforementioned order. It should be noted that this order originally approved a minimum flow rate of 88 MCF per day for the subject well. In 1987 by letter dated May 6th the minimal flow rate was reduced to 65 MCF per day. Further, in 1990 by letter dated August 21st the minimal flow rate was again reduced to 50 MCF per day.

It appears by the information submitted that the wells conditions are unchanged and that the same is not overproduced.

The hardship classification for said well is hereby extended to May 31, 1993 at the 50 MCF per day rate currently in effect. All other provisions of said Order No. R-7784 shall remain in full force and effect until further notice.

Sincerely,

WILLIAM J. LEMA

Director

MJL/MES/jc

cc: Oil Conservation Division - Aztec

Case File: 8217

Walsh Engineering & Production Corporation