

Exhibit 2

APPLICATION FOR CLASSIFICATION AS HARDSHIP GAS WELL

Operator Doyle Hartman Contact Party Michelle Hembree
Address Post Office Box 10426, Midland, TX 79702 Phone No. (915) 684-4011
Lease South Empire St. Fm No. 1 UT M Sec. 24 TWP 17S RGE 28E
Pool Name Empire Morrow, South Minimum Rate Requested 420 mcfpd
Transporter Name El Paso Natural Gas Co. Purchaser (if different) _____

Are you seeking emergency "hardship" classification for this well? XXXX yes no

Applicant must provide the following information to support his contention that the subject well qualifies as a hardship gas well.

- 1) 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:
 - i) the use of "smallbore" tubing; ii) other de-watering devices, such as plunger lift, rod pumping units, etc.
- 3) 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.
- 8) If the well is in a prorated pool, please show its current under- or over-produced status.
- 9) 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.

GENERAL INFORMATION APPLICABLE TO HARDSHIP GAS WELL CLASSIFICATION

1) Definition of Underground Waste.

"Underground Waste as those words are generally understood in the oil and gas business, and in any event to embrace the inefficient, excessive, or improper use or dissipation of the reservoir energy, including gas energy and water drive, of any pool, and the locating, spacing, drilling, equipping, operating, or producing, of any well or wells in a manner to reduce or tend to reduce the total quantity of crude petroleum oil or natural gas ultimately recovered from any pool, and the use of inefficient underground storage of natural gas."

- 2) The only acceptable basis for obtaining a "hardship" classification is prevention of waste with the burden of proof solely on the applicant. The applicant must not only prove waste will occur without the "hardship" classification, but also that he has acted in a responsible and prudent manner to minimize or eliminate the problem prior to requesting this special consideration. If the subject well is classified as a "hardship" well, it will be permitted to produce at a specified minimum sustainable rate without being subject to shut-in by the purchaser due to low demand. The Division can rescind approval at any time without notice and require the operator to show cause why the classification should not be permanently rescinded if abuse of this special classification becomes apparent.
- 3) The minimum rate will be the minimum sustainable rate at which the well will flow. If data from historical production is insufficient to support this rate (in the opinion of the Director), or if an offset operator or purchaser objects to the requested rate, a minimum flow ("log off") test may be required. The operator may, if he desires, conduct the minimum flow test, and submit this information with his application.
- 4) If a minimum flow test is to be run, either at the operator's option or at the request of the Division, the offset operators, any protesting party, the purchaser and OCD will be notified of the date of the test and given the opportunity to witness, if they so desire.
- 5) Any interested party may review the data submitted at either the Santa Fe office or the appropriate OCD District Office.
- 6) The Director can approve uncontested applications administratively if, in his opinion, sufficient justification is furnished. Notice shall be given of intent to approve by attaching such notice to the regular examiner's hearing docket. Within 20 days following the date of such hearing, the affected parties will be permitted to file an objection. If no objection has been filed, the application may be approved.
- 7) Should a protest be filed in writing, the applicant will be permitted to either withdraw the application, or request it to be set for hearing.
- 8) An emergency approval, on a temporary bases for a period not to exceed 90 days, may be granted by the District Supervisor, pending filing of formal application and final action of the OCD Director. This temporary approval may be granted only if the District Supervisor is convinced waste will occur without immediate relief. If granted, the District Supervisor will notify the purchaser.
- 9) After a well receives a "hardship" classification, it will be retained for a period of one year unless rescinded sooner by the Division. The applicant will be required to certify annually that conditions have not changed substantially in order to continue to retain this classification.
- 10) Nothing here notwithstanding, the Division may, on its own motion, require any and all operators to show cause why approval(s) should not be rescinded if abuse is suspected or market conditions substantially change in the State of New Mexico.
- 11) A well classified as a "hardship well" will continue to accumulate over and under production (prorated pools). Should allowables exceed the hardship allowable assigned, the well will be permitted to produce at the higher rate, if capable of doing so, and would be treated as any other non-hardship well. Any cumulative overproduction accrued either before or after being classified "hardship" must, however, be balanced before the well can be allowed to produce at the higher rate.

APPLICATION FOR CLASSIFICATION AS
HARDSHIP GAS WELL
Doyle Hartman-
South Empire State Com No. 1
S/2 Section 24
T-17-S, R-28-E
Eddy County, New Mexico
Empire Morrow, South Gas Pool

1. Applicant expects that restriction of the gas production rate for the South Empire State Com No. 1 below a minimum of 420 mcfpd will result in "underground waste" (as defined by 1) General Information Applicable to Hardship Gas Well Classification). Such expectation is predicated upon the observation that this well produces water and liquid hydrocarbons at rates of from 6 to 9 bbls per day and, when the gas flow rate is restricted below about 480 mcfpd, liquid-gas ratios begin to anomalously increase and the observed wellhead flowing pressure anomalously decreases (rather than increasing as the rate is decreased, as expected); continuation of these trends will lead to the accumulation of sufficient liquids within the wellbore, so that this well will cease to flow (i.e., the well will "die"), ultimately requiring "swabbing" or "jetting" to restore flowing. Since the produced water was originally vaporized in the gas, it is "fresh" (i.e., low in dissolved solids). The Morrow formation has proven to be sensitive to the alteration of the rock fabric in some cases from prolonged exposure to this fresh produced water; in addition, allowing significant volumes of liquid to accumulate within the wellbore and immediately adjacent to the wellbore in the formation can result in loss of relative permeability to gas that may result in permanent loss of productivity of liquids and gas.
2. A) The problem of liquid accumulation within the wellbore cannot be solved by mechanical means because of the depth (completion interval is 10,481'-10,507' in the Upper Morrow "B-4" sand) and the fact that the well would have to be "killed" in order to install any equipment intended to facilitate removal of accumulated liquid from the well. "Killing" the well would probably result in formation damage that the "hardship well" application is intended to alleviate.
B) This well has 5½" casing set at 10,750' and cemented with 2190 sacks of cement. The tubing is 2-7/8" O.D. set at a depth of 10,433' without a packer. Gas and liquid are flowed out of the tubing, and flow velocity is critical in preventing fluid from falling back into the well (because of insufficient turbulence to entrain it, so that it can flow out of the well with the produced gas).

3. This well was initially produced in December, 1980. The attached production graph includes the logarithm of the liquid-gas ratio in bbls/mmcf plotted as a function of time. The liquid-gas ratio has remained in the range of 9 bbl/mmcf to 13 bbl/mmcf since September, 1982, with the particular exception of the months of September, October, and November, 1983. During these months, the observed well performance can be summarized as follows:

| 1983 Month | Production | | | Liquid/ Gas Ratio |
|------------|------------|------------------|--------------|----------------------|
| | <u>Gas</u> | <u>Liq. H.C.</u> | <u>Water</u> | |
| September | 12,944 | 173 | 16 | 14.6 |
| October | 13,032 | 176 | 0 | 13.5 |
| November | 12,606 | 185 | 19 | 16.2 |

In addition to the noted anomalous increase in liquid-gas ratio during this period, the casing pressure increased as the flow rate was reduced (as expected) while the tubing pressure decreased as the gas rate was reduced, as is anomalous:

| <u>1983 Month</u> | <u>Gas Rate mcf/day</u> | <u>Tubing</u> | <u>Casing</u> |
|-------------------|-----------------------------|---------------|---------------|
| August | 488 | 800 | 1054 |
| September | 544 | 809 | 1083 |
| October | 481 | 792 | 1093 |
| November | 420 | 813 | 1067 |
| December | 747 | 873 | 1048 |

These observations of gas flow rate, liquid-gas ratio and casing and tubing pressures all indicate that the well must be allowed to produce a minimum of 420 mcfpd in order that all of the liquids that accompany gas production are removed from the well and are not allowed to accumulate therein.

Additionally, there are demonstrated instances where a Morrow formation producing well was closed in temporarily and, although not producing large volumes of liquids, commercial gas production could not be restored. Such instances of apparently anomalous loss of gas productivity subsequent to shut-in can be demonstrated by the Dinero Operating Company Big Chief No. 3, which is located in Unit J of Section 21, Township 22 South, Range 28 East, Eddy County, New Mexico. Initial production for this well was in May, 1979, and, as shown by the attached production graph, performance was as follows:

| <u>Year</u> | <u>Month</u> | <u>Monthly</u> | <u>Cumulative</u> | <u>Monthly</u> | <u>Cumulative</u> |
|-------------|--------------|----------------|-------------------|----------------|-------------------|
| 1979 | May | 50,577 | 50,577 | 94 | 94 |
| | June | 91,679 | 142,256 | 33 | 127 |
| | July | 84,460 | 226,716 | 73 | 200 |
| | August | 78,053 | 304,769 | 5 | 205 |
| | September | 70,894 | 375,663 | 71 | 276 |
| | October | 54,562 | 430,225 | 46 | 322 |
| | November | 61,379 | 491,604 | 48 | 370 |
| | December | 58,362 | 549,966 | 8 | 378 |
| | January | 53,301 | 603,267 | 4 | 382 |
| | February | 40,418 | 643,685 | 2 | 384 |
| | March | 45,845 | 689,530 | 2 | 386 |
| | April | 40,064 | 729,594 | 0 | 386 |
| 1980 | May | 36,843 | 766,437 | 0 | 386 |
| | June | 34,110 | 800,547 | 5 | 391 |
| | July | 5,391 | 805,938 | 0 | 391 |
| | August | 1,939 | 807,877 | 5 | 396 |
| | September | 2,255 | 810,132 | 3 | 399 |
| | October | 168 | 810,300 | 0 | 399 |

The above data demonstrate that gas production from this well had apparently stabilized at between 1100 mcfpd and 1200 mcfpd in May and June of 1980; the well was shut-in in July, 1980, and, when attempts were made to restore it to production, no comparable rates were produced for the remaining four months of the well life; this case constitutes documentation of the potential risk associated with shutting-in certain Morrow formation gas wells, (even when they do not produce large volumes of fluid).

4. Failure to obtain a hardship well classification could result in substantial loss of otherwise recoverable gas reserves for the Doyle Hartman-South Empire State Com No. 1. The potential loss can be documented as follows:

Estimated Original Gas-in-Place, mmcf (12-80):
Between 1311 and 1420

Estimated Deliverability Projected Gas Recovery Factor,
Fraction of Original Gas-in-Place: 0.87268

Estimated Ultimate Gas Recovery, mmcf:
Decline Curve Projection: 1239
Deliverability Projection: 1161

Cumulative Gas Recovery, mmcf at April 1, 1984:
989.756

Estimated Remaining Gas Recovery, mmcf at April 1, 1984:
Decline Curve Projection: 249.2
Deliverability Projection: 171.2

5. See 3. above.

| | |
|--------------|-------------------------------------|
| DISTRIBUTION | <input type="checkbox"/> |
| ANTAEFE | <input checked="" type="checkbox"/> |
| ILC | <input checked="" type="checkbox"/> |
| S.O.S. | <input type="checkbox"/> |
| A&D OFFICE | <input type="checkbox"/> |
| PENATOR | <input type="checkbox"/> |

**RECEIVED
MEXICO OIL CONSERVATION COMMISSION**

OCT 27 1980

O. C. D.
ARTESIA OFFICE

Superseded Old
C-102 and C-103
Effective 1-1-65

30-015-22791

| | |
|--------------------------------|---|
| 5. Indicate Type of Lease | |
| State <input type="checkbox"/> | Fee <input checked="" type="checkbox"/> |
| 6. State Oil & Gas Lease No. | |

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR INDIVIDUAL TO TELL ME TO FILL IN SPACES WHICH BELONG TO A DIFFERENT RESERVOIR.
USE APPLICATION FOR PERMIT OR INFORMATION PERMIT FOR SUCH PURPOSES.)

OIL WELL GAS WELL OTHER

Name of Operator

DINERO OPERATING COMPANY

Address of Operator

P. O. DRAWER 10505, MIDLAND, TEXAS 79702

Location of Well

UNIT LETTER J 1980 FEET FROM THE South LINE AND 1980 FEET FROM
THE East LINE, SECTION 21 TOWNSHIP 22-S RANGE 28-E NMPLM.

15. Elevation (Show whether DE, RT, GR, etc.)

3066 GR

12. County

Todd

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

REFORM REMEDIAL WORK
TEMPORARILY ABANDON
ULL OR ALTER CASING

PLUG AND ABANDON

CHANGE PLANS

REMEDIAL WORK

COMMENCE DRILLING OPSNS.

CASING TEST AND CEMENT JOB

OTHER Attempt to recover production after shut in

ALTERING CASING

PLUG AND ABANDONMENT

16. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

The above mentioned well was closed in July 3, 1980, by request from El Paso Natural Gas Company. Their line was pressuring up due to market over long weekend on the West Coast. We opened well back up after the holiday and was unable to get production back. Swabbed well, and not able to recover production - acidized well by Western Company 7/23/80 with 3500 gals of 7 1/2% acid in attempt to clean up. Swab load back. Well is not commercial. Plans are to plug back to Atoka zone.

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

J.C. McClure

Field Superintendent

10-24-80

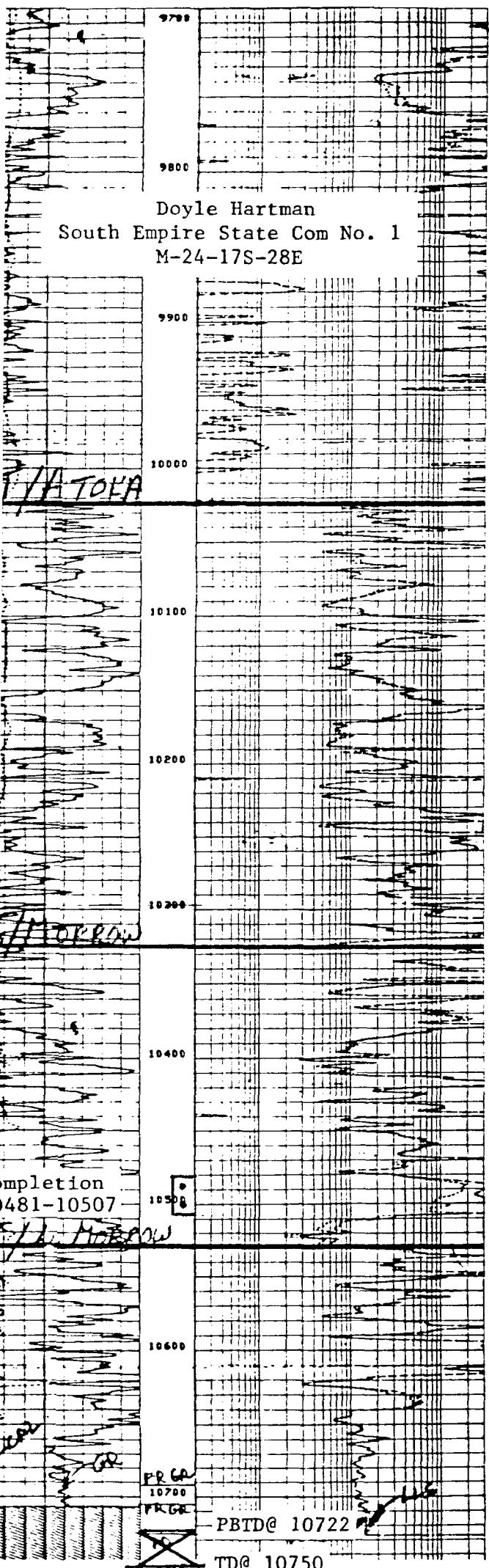
W.A. Gressett

TITLE SUPERVISOR, DISTRICT II

DATE

OCT 29 1980

REVIEWED BY _____
INITIATION OF APPROVAL, IF ANY



WELL South Empire State Com. No. 1

FIELD Empire South Morrow
LOCATION 800 FSL & 1000 FWL (M)
Section 24, T-17-S, R-28-E
(17-28-24-M)

COUNTY Eddy
STATE New Mexico

ELEVATIONS: KB 3693
DF 5-21-84 GL 3681

COMPLETION RECORD

| SPUD DATE | 8-28-80 | COMP. DATE | 12-15-80 |
|--------------------|--|------------------|----------|
| TD | 10750 | PBT _D | 10722 |
| CASING RECORD | 13 3/8 @ 504 w/500 | | |
| | 8 5/8 @ 2502 w/1750 | | |
| | 5 1/2 @ 10750 w/2190 | | |
| PERFORATING RECORD | Perf: 10481-10507 w/54 (Upper Morrow "B-4" Sand)* | | |

STIMULATION A/4000 MFA

IP IPF = 1870 MCFPD

| GOR | GR |
|-------------|----------------------|
| TP 1740 | CP 1870 |
| CHOKE 12/64 | TUBING 2 7/8 @ 10465 |

REMARKS

RFT 10487-10504: Performed five open hole wireline pressure tests with final buildups ranging from 4553 to 4989 psi.

3-31-84 Cum Prod: 989.8 MMCF

12.5 MBO

594 BW

1984 Avg Prod: 553 MCFPD

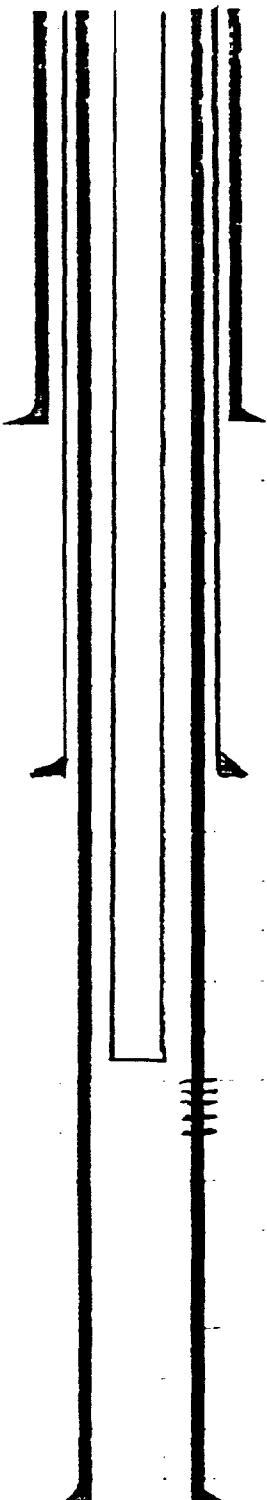
6 BOPD

*Same Upper Morrow "B-4" Sand that is producing in the HAYCO SEDU No. 13 located N-30-17-29.

Current tubing depth: 10433

M-24-17S-28E

WELLBORE SKETCH
SOUTH EMPIRE STATE NO. 1



13 3/8" Set at 504'
Cement 500 Sacks

8 5/8" Set at 2,502'
Cement 1,750 Sacks

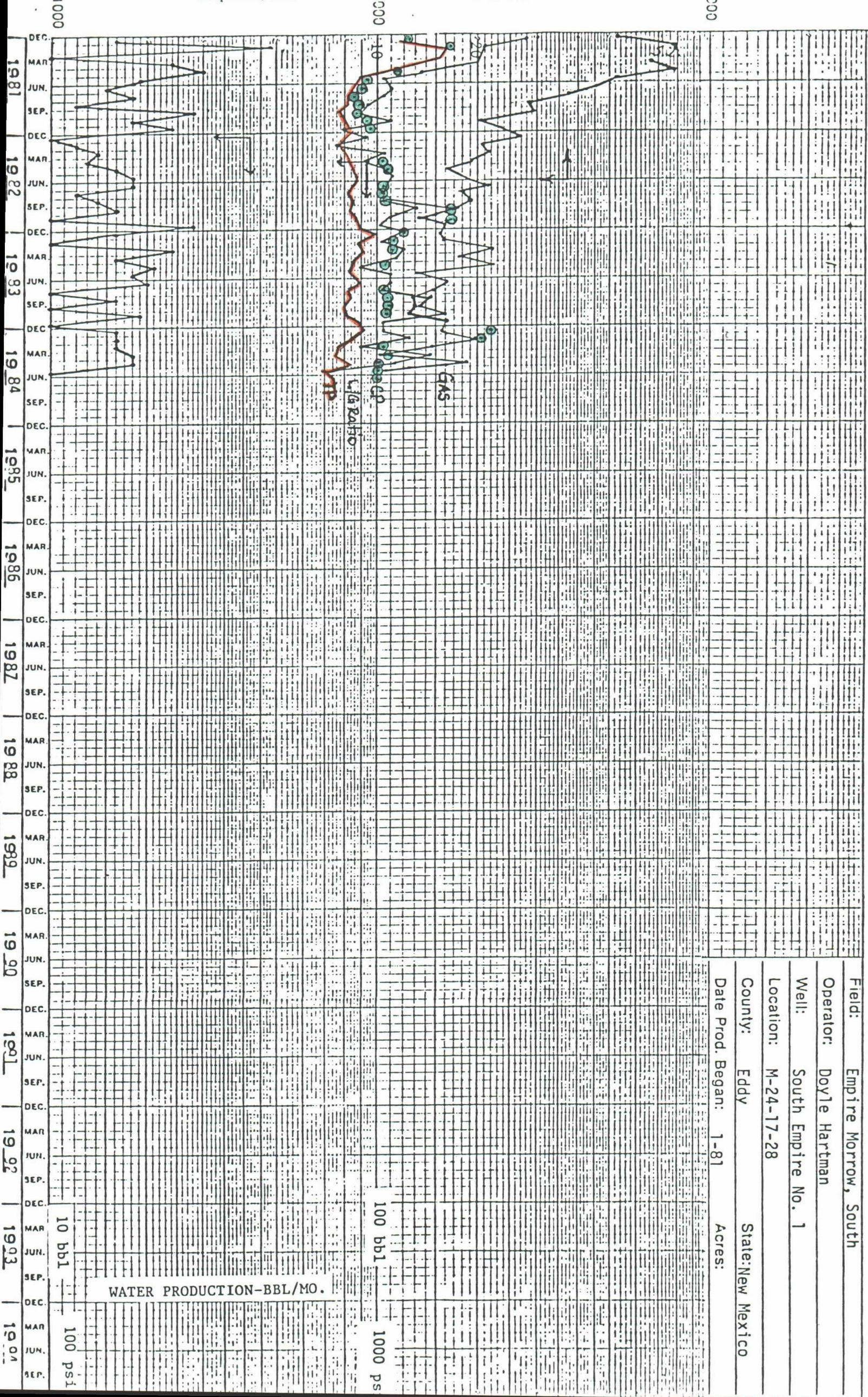
2 7/8" EUE Tubing
Set at 10,433'

Perforated Interval: 10,481-10,507

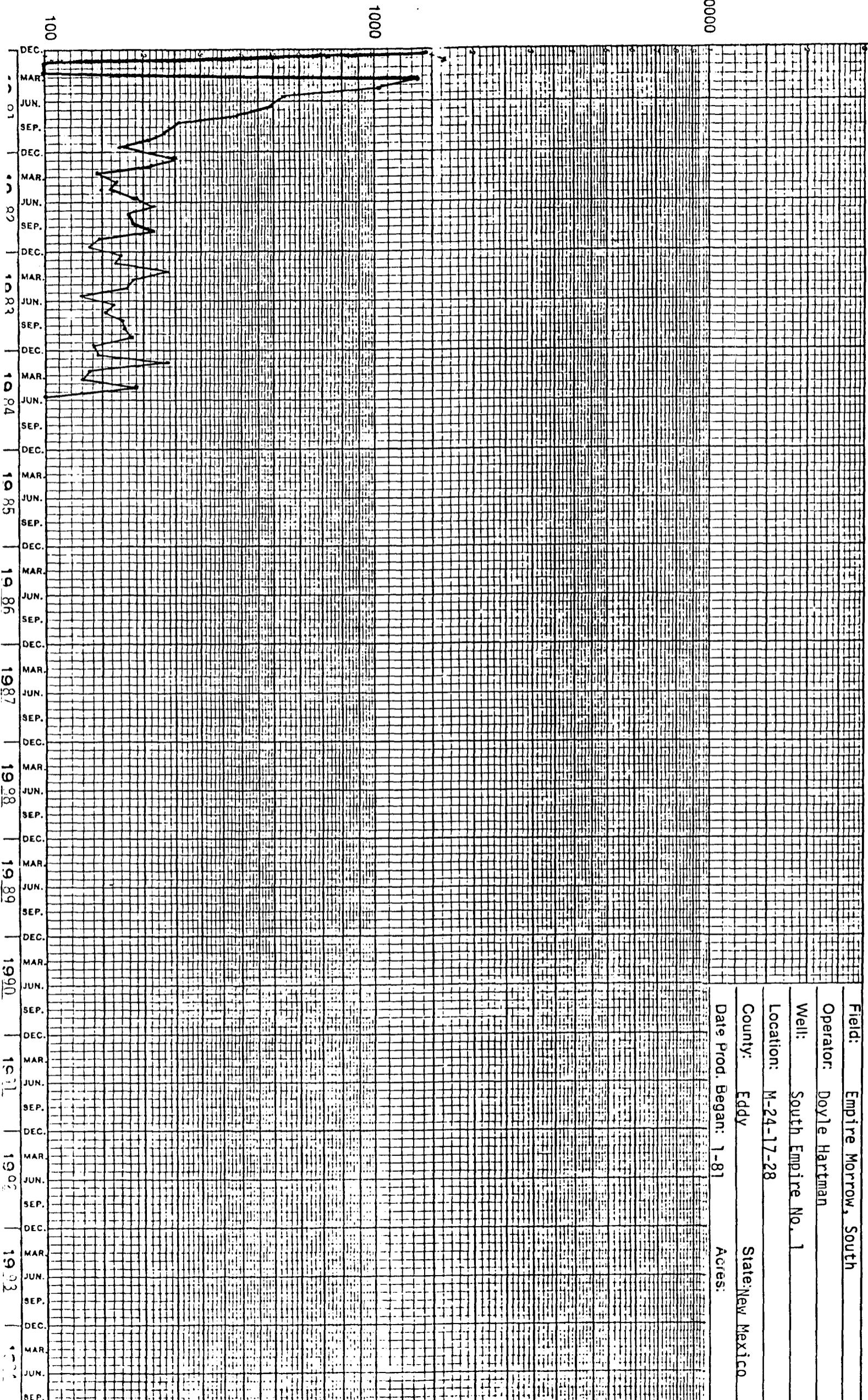
5 1/2" Set at 10,750'
Cement 2,190 Sacks

Gas Production M E/Mon'
Liquids/Gas Ratio: BBL/MMCF

Ratio: BBL/MMCF



OIL PRODUCTION BBL/MONTH



DOYLE HARTMAN, OIL OPERATOR
YEAR-TO-DATE PRODUCTION FOR
VOLUMES CALCULATED AT 15.025 FSIA

1984

RUN ON 8/07/84

LEASE# METTER# PAID OUT 82/01/09 RPT# 000003
800828 58395 SOUTH EMPIRE STATE COM #1 DATE ON STREAM NRI %

| | MCF GAS PRODUCED | BLLS OIL PRODUCED | BLLS H2O PRODUCED | DAYS FROM PRODUCED | LP PSIG | Avg TEMP | BTU FACTOR | ITD CUME GAS | ITD CUME OIL | Avg TP | Avg CP | DAYS SHUTIN |
|-----------|------------------|-------------------|-------------------|--------------------|---------|----------|------------|--------------|--------------|----------|--------|-------------|
| JANUARY | 15745 | 146.99 | 16.00 | 24.2 | 549.75 | 71 | .9992 | 1175 | 955211 | 12154.23 | 923 | 1115 |
| FEBRUARY | 19813 | 237.35 | 16.00 | 28.0 | 536.00 | 72 | .9991 | 1175 | 975024 | 12391.58 | 836 | 1028 |
| MARCH | 14732 | 134.33 | 16.00 | 31.0 | 506.75 | | .9991 | 1175 | 989756 | 12525.91 | 777 | 1049 |
| APRIL | 10291 | 131.23 | 18.00 | 30.0 | 576.75 | 75 | .9991 | 1171 | 1000047 | 12657.14 | 762 | 1070 |
| MAY | 18402 | 189.53 | 18.00 | 31.0 | 469.25 | 77 | .9989 | 1171 | 1018449 | 12846.67 | 840 | 1020 |
| JUNE | 10600 | 66.96 | 6.00 | 30.0 | 552.50 | 80 | .9989 | 1171 | 1029049 | 12913.63 | 723 | 1016 |
| JULY | | | | | | | | | 754 | 1009 | | |
| AUGUST | | | | | | | | | | | | |
| SEPTEMBER | | | | | | | | | | | | |
| OCTOBER | | | | | | | | | | | | |
| NOVEMBER | | | | | | | | | | | | |
| DECEMBER | | | | | | | | | | | | |
| YTD 1984 | 89583 | | 906.39 | | | | | | | | | |
| ITD | 1029049 | | 12913.63 | | | | | | | | | |
| | | | | | | | | | | | | |

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DOYLE HARTMAN, OIL OPERATOR
YEAR-TO-DATE PRODUCTION FOR
VOLUMES CALCULATED AT 15.025 FSIA

1983

RUN ON 8/07/84

LEASE# METER# PAID OUT 82/01/09

DATE ON STREAM

NRI %

| | MCF GAS PRODUCED | BBL'S OIL PRODUCED | BBL'S H2O PRODUCED | DAYS FROM | LP PSIG | Avg TEMP | BTU FACTOR | BTU | ITD CUME GAS | ITD CUME OIL | Avg TP | Avg CP | DAYS SHUTIN |
|-----------|------------------|--------------------|--------------------|-----------|---------|----------|------------|------|--------------|--------------|--------|--------|-------------|
| JANUARY | 15395 | 171.04 | 16.00 | 21.2 | 604.75 | 75 | .9991 | 1179 | 762397 | 10117.61 | 996 | 1206 | |
| FEBRUARY | 15793 | 164.77 | 18.00 | 25.7 | 681.25 | 83 | .9990 | 1179 | 778190 | 10282.38 | 874 | 1179 | |
| MARCH | 22215 | 239.40 | 24.00 | 30.8 | 576.00 | | .9990 | 1167 | 800405 | 10521.78 | 894 | 1102 | |
| APRIL | 17573 | 185.98 | 16.00 | 29.9 | 550.50 | 78 | .9990 | 1167 | 817978 | 10707.76 | 853 | 1062 | |
| MAY | 22277 | 178.71 | 21.00 | 31.0 | 477.50 | 77 | .9989 | 1167 | 840255 | 10886.47 | 852 | 1050 | |
| JUNE | 13342 | 128.85 | 18.00 | 29.7 | 605.50 | 83 | .9989 | 1167 | 853597 | 11015.32 | 831 | 1070 | |
| JULY | 16193 | 162.02 | 20.00 | 29.4 | 554.50 | 82 | .9988 | 1167 | 869790 | 11177.34 | 890 | 1065 | |
| AUGUST | 14885 | 153.25 | 18.00 | 30.5 | 533.75 | 80 | .9989 | 1167 | 884675 | 11330.59 | 800 | 1054 | |
| SEPTEMBER | 12944 | 173.19 | 16.00 | 23.8 | 561.50 | 76 | .9990 | 1167 | 897619 | 11503.78 | 808 | 1083 | |
| OCTOBER | 13032 | 175.92 | 18.00 | 27.1 | 579.00 | 73 | .9992 | 1167 | 910651 | 11679.70 | 792 | 1093 | |
| NOVEMBER | 12606 | 185.07 | 19.00 | 30.0 | 614.75 | 67 | .9993 | 1167 | 923257 | 11864.77 | 813 | 1067 | |
| DECEMBER | 16208 | 142.47 | 20.00 | 21.7 | 418.50 | 71 | .9990 | 1175 | 939465 | 12007.24 | 873 | 1048 | |
| YTD | 1983 | 192463 | 2060.67 | | 2224.00 | 330.8 | | | | | | | |
| ITD | 939465 | 12007.24 | 663.00 | 1025.8 | | | | | | | | | |

12/31/80 .32334936 BEFORE PAYOUT
.28283015 AFTER PAYOUT 82/01/09 OPERATOR - DOYLE HARTMAN

DOYLE HARTMAN, OIL OPERATOR
YEAR-TO-DATE PRODUCTION FOR
VOLUMES CALCULATED AT 15.025 FSIA

1982

RUN ON 6/13/84

REF# 000003

| LEASE# | METER# | PAID OUT | 82/01/09 | DATE ON STREAM | NRI % | 12/31/80 | .32334936 BEFORE PAYOUT .28283015 AFTER PAYOUT | 82/01/09 | OPERATOR - DOYLE HARTMAN |
|-----------|--------|---------------------------|--------------------|--------------------|-----------|----------|---|------------|--------------------------|
| 800828 | 58395 | SOUTH EMPIRE STATE COM #1 | | | | | | | |
| | | MCF GAS PRODUCED | BBL\$ OIL PRODUCED | BBL\$ H2O PRODUCED | DAYS FROM | LP PSIG | Avg BTU TEMP | BTU FACTOR | ITD CUME GAS |
| JANUARY | 27122 | 251.30 | 13.00 | 31.0 | | | | | 7988.30 |
| FEBRUARY | 20777 | 145.89 | 12.00 | 25.6 | | | | | 8134.19 |
| MARCH | 21831 | 212.30 | 14.00 | 30.6 | | | | | 8346.49 |
| APRIL | 19147 | 168.15 | 13.00 | 30.0 | | | | | 8514.64 |
| MAY | 16349 | 159.23 | 16.00 | 31.0 | | | | | 8673.87 |
| JUNE | 18428 | 191.47 | 18.00 | 29.5 | | | | | 8865.34 |
| JULY | 21713 | 215.09 | 18.00 | 31.0 | | | | | 9080.43 |
| AUGUST | 18112 | 180.62 | 12.00 | 31.2 | | | | | 9261.05 |
| SEPTEMBER | 19021 | 187.10 | 14.00 | 30.0 | | | | | 9448.15 |
| OCTOBER | 17480 | 213.31 | 16.00 | 31.0 | | | | | 9661.46 |
| NOVEMBER | 13668 | 148.05 | 14.00 | 30.4 | | | | | 9809.51 |
| DECEMBER | 15955 | 137.06 | 28.00 | 30.5 | | | | | 9946.57 |
| YTD 1982 | 229623 | 2209.57 | 188.00 | 361.8 | | | | | 893 |
| ITD | 747002 | 9946.57 | 439.00 | 695.0 | | | | | 1130 |

DOYLE HARTMAN, OIL OPERATOR
YEAR-TO-DATE PRODUCTION FOR
VOLUMES CALCULATED AT 15.025 FSIA

1981

RPT# 000003

RUN ON 6/13/84

| LEASE# METER# | MCF GAS PRODUCED | BULS OIL PRODUCED | BULS H2O PRODUCED | DAYS FROM | LP PSIG | AUG TEMP | BTU FACTOR | BTU | TYP CUME GAS | TYP CUME OIL | AUG TP | AUG CF | NRG % |
|-----------------|------------------|-------------------|-------------------|-----------|---------|----------|------------|-----|--------------|--------------|--------|--------|-------|
| JANUARY 53011 | 1442.00 | 1.60 | 30.8 | | | | | | 53011 | 1442.00 | 1175 | 1250 | |
| FEBRUARY 79395 | 1635.00 | 48.00 | 27.7 | | | | | | 132406 | 3077.00 | 1610 | 1660 | |
| MARCH | | | | | | | | | 132406 | 3077.00 | | | 31 |
| APRIL 67406 | 1343.00 | 24.00 | 29.5 | | | | | | 199812 | 4420.00 | 1550 | 1600 | |
| MAY 78133 | 1032.00 | 30.00 | 31.0 | | | | | | 277945 | 5452.00 | 1093 | 1142 | |
| JUNE 53819 | 544.00 | 19.00 | 30.0 | | | | | | 331764 | 5996.00 | 880 | 930 | |
| JULY 45515 | 469.00 | 15.00 | 31.1 | | | | | | 377279 | 6485.00 | 857 | 907 | |
| AUGUST 37830 | 388.00 | 18.00 | 31.0 | | | | | | 415109 | 6873.00 | 811 | 856 | |
| SEPTEMBER 28605 | 255.00 | 12.00 | 29.7 | | | | | | 443714 | 7128.00 | 809 | 889 | |
| OCTOBER 29367 | 234.00 | 27.00 | 31.0 | | | | | | 473061 | 7362.00 | 771 | 871 | |
| NOVEMBER 20689 | 207.00 | 18.00 | 30.3 | | | | | | 493770 | 7569.00 | 792 | 934 | |
| DECEMBER 23609 | 168.00 | 24.00 | 31.1 | | | | | | 517379 | 7737.00 | 860 | 960 | |
| YTD 1981 | 517379 | 7737.00 | 251.00 | | | | | | | | | | 31 |
| ITD | 517379 | 7737.00 | 251.00 | | | | | | | | | | 31 |

DATE ON STREAM

12/31/80 .32334936

OPERATOR - DOYLE HARTMAN

MCF GAS PRODUCED

BULS OIL PRODUCED

BULS H2O PRODUCED

DAYS FROM

LP PSIG

AUG TEMP

BTU FACTOR

BTU

TYP CUME GAS

TYP CUME OIL

AUG TP

AUG CF

NRG %

OFFSET OPERATORS

Doyle Hartman-
 South Empire State Com No. 1
 S/2 Section 24
 T-17-S, R-28-E
 Eddy County, New Mexico

| <u>OPERATOR</u> | <u>WELL NAME</u> | <u>WELL LOCATION</u> | <u>P. U. DESCRIPTION</u> |
|------------------|---------------------------|----------------------|----------------------------------|
| Yates | J. Z. Lucas St. Com No. 1 | E-23-17-28 | N/2 Section 23 T-17-S, R-28-E |
| Pennzoil | Aid State No. 1 | A-24-17-28 | N/2 Section 24 T-17-S, R-28-E |
| General American | Green No. 9-B | G-19-17-29 | N/2 Section 19 T-17-S, R-29-E |
| Conoco | State Com No. 1-19 | N-19-17-29 | S/2 Section 19 T-17-S, R-29-E |
| Yates | Empire South Deep No. 18 | F-30-17-29 | N/2 Section 30 T-17-S, R-29-E |
| Hondo | BV State No. 2 | F-25-17-28 | N/2 Section 25 T-17-S, R-28-E |
| Unknown | No Known Well | | N/2 Section 26 T-17-S, R-28-E |
| Exxon | CY State No. 1 | J-23-17-28 | S/2 Section 23 T-17-S, R-28-E |

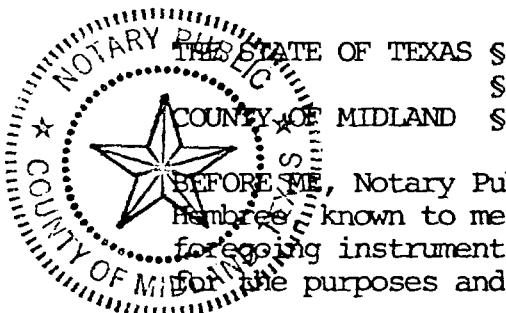
STATEMENT OF CERTIFICATION
HARDSHIP GAS WELL CLASSIFICATION

Doyle Hartman-
South Empire State Com No. 1
S/2 Section 24
T-17-S, R-28-E
Eddy County, New Mexico
Empire Morrow, South Gas Pool

DOYLE HARTMAN, OPERATOR, as required by the State of New Mexico Energy and Minerals Department, Oil Conservation Division, certifies that:

1. All information submitted with this application is true and correct to the best of his knowledge;
2. One copy of this application has been submitted to the Artesia District II Office of the Oil Conservation Division;
3. Notice of this application has been given to El Paso Natural Gas Company, the transporter and purchaser; and
4. Notice of this application has been given to all offset Empire Morrow, South operators.

Michelle Hembree
Michelle Hembree
Administrative Assistant



BEFORE ME, Notary Public, on this day personally appeared Michelle Hembree, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that she executed the same for the purposes and consideration therein expressed.

GIVEN under my hand and seal of office this 21st day of MAY, 1984.

Cindy Sue Harrison
Notary Public

My Commission Expires:

CINDY SUE HARRISON
Commission Expires Aug. 11, 1987

DOYLE HARTMAN

Oil Operator

500 N. MAIN

P. O. BOX 10426

MIDLAND, TEXAS 79702

(915) 684-4011

New Mexico Oil Conservation Division
District II Office
Post Office Drawer DD
Artesia, New Mexico 88210

Re: Emergency Hardship Gas
Well Classification
South Empire State Com #1
800 FSL & 1000 FWL (M)
Section 24, T-17-S, R-28-E
Eddy County, New Mexico

Gentlemen:

Please find enclosed one copy of our request before the New Mexico Oil Conservation Division in Santa Fe to administratively classify our South Empire State Com No. 1 well, located 800 FSL & 1000 FWL Section 24, T-17-S, R-28-E, Eddy County, New Mexico as a hardship gas well.

We respectfully request emergency approval of our request for hardship gas well classification on a temporary basis not to exceed 90 days pending final action on our formal application by the OCD Director.

Thank you for your attention to this matter.

Very truly yours,

DOYLE HARTMAN

Michelle Hembree

Michelle Hembree

Administrative Assistant

/mh

cc: El Paso Natural Gas Company
Post Office Box 1492
El Paso, Texas 79978

Attention: Mr. Paul Burchell
Conservation Engineer

New Mexico Oil Conservation Division
May 21, 1984
Page 2

El Paso Natural Gas Company
Post Office Box 1492
El Paso, Texas 79978

Attention: Mr. Jim Minnick

State of New Mexico
Energy and Minerals Department
Oil Conservation Division
Post Office Box 2088
Santa Fe, New Mexico 87501

● SENDER: Complete Items 1, 2, 3, &
Add your address in the "RETURN TO" space
on reverse.

(CONSULT POSTMASTER FOR FEES)

- The following service is requested (check one).
 - Show to whom and date delivered **60¢**
 - Show to whom, date, and address of delivery.. **—**
- RESTRICTED DELIVERY
(The restricted delivery fee is charged in addition to
the return receipt fee.)

TOTAL \$.60

3. ARTICLE ADDRESSED TO:
New Mexico Oil Cons. Comm.
P.O. Office Drawer DD
Artesia, NM 88210

4. TYPE OF SERVICE: **ARTICLE NUMBER**
 REGISTERED INSURED
 CERTIFIED COD
 EXPRESS MAIL **P 265 338 113**

(Always obtain signature of addressee or agent)

I have received the article described above.

SIGNATURE Addressee Authorized agent
R. H. Welch

5. DATE OF DELIVERY **POSTMARK**
5/22/84

6. ADDRESSEE'S ADDRESS (Only if requested)
South Empire Hardship - KMH

7. UNABLE TO DELIVER BECAUSE: **7a. EMPLOYEE'S INITIALS**
—

*South Empire Hardship - KMH***P 265 338 115**

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—
NOT FOR INTERNATIONAL MAIL
(See Reverse)

SENT TO
N.M.O.C.D.

STREET AND NO.
P.O. Box 2088

P.O. STATE AND ZIP CODE
Santa Fe, N.M. 87501

| | | |
|---|--------|----------------|
| POSTAGE | \$1.90 | |
| CERTIFIED FEE | | 75 |
| SPECIAL DELIVERY | | — |
| RESTRICTED DELIVERY | | — |
| SHOW TO WHOM AND DATE DELIVERED | | 60 |
| SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY | | — |
| SHOW TO WHOM AND DATE DELIVERED WITH RESTRICTED DELIVERY | | — |
| SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY | | — |
| TOTAL POSTAGE AND FEES | | \$3.25 |
| POSTMARK OR DATE | | 5-21-84 |

PS Form 3800, Apr. 1976

*South Empire Hardship /mh***265 338 113**

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—
NOT FOR INTERNATIONAL MAIL
(See Reverse)

SENT TO
New Mexico Oil Conservation Div

STREET AND NO.
P.O. Office Drawer DD

P.O. STATE AND ZIP CODE
Artesia, NM 88210

| | | |
|---|--------|----------------|
| POSTAGE | \$.88 | |
| CERTIFIED FEE | | 75 |
| SPECIAL DELIVERY | | — |
| RESTRICTED DELIVERY | | — |
| SHOW TO WHOM AND DATE DELIVERED | | 60 |
| SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY | | — |
| SHOW TO WHOM AND DATE DELIVERED WITH RESTRICTED DELIVERY | | — |
| SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY | | — |
| TOTAL POSTAGE AND FEES | | \$ 2.33 |
| POSTMARK OR DATE | | 5-21-84 |

PS Form 3800, Apr. 1976

● SENDER: Complete Items 1, 2, 3, and 4.
Add your address in the "RETURN TO" space
on reverse.

(CONSULT POSTMASTER FOR FEES)

- The following service is requested (check one).
 - Show to whom and date delivered **60¢**
 - Show to whom, date, and address of delivery.. **—**
 - RESTRICTED DELIVERY
(The restricted delivery fee is charged in addition to
the return receipt fee.)
- TOTAL \$.60**

3. ARTICLE ADDRESSED TO:
New Mexico Oil Cons. Div
P.O. Box 2088
Santa Fe, New Mexico 87501

4. TYPE OF SERVICE: **ARTICLE NUMBER**
 REGISTERED INSURED
 CERTIFIED COD **P 265 338 115**
 EXPRESS MAIL

(Always obtain signature of addressee or agent)

I have received the article described above.

SIGNATURE Addressee Authorized agent
R. H. Welch

5. DATE OF DELIVERY **POSTMARK**

6. ADDRESSEE'S ADDRESS (Only if requested)

7. UNABLE TO DELIVER BECAUSE: **7a. EMPLOYEE'S INITIALS**
—*South Empire Hardship - KMH*

● SENDER: Complete items 1, 2, 3, and 4.
Add your address in the "RETURN TO" space on reverse.

(CONSULT POSTMASTER FOR FEES)

- The following service is requested (check one).

| | |
|--|----|
| <input checked="" type="checkbox"/> Show to whom and date delivered | 60 |
| <input type="checkbox"/> Show to whom, date, and address of delivery | —c |
- RESTRICTED DELIVERY**
(The restricted delivery fee is charged in addition to the return receipt fee.)

| | |
|-------|--------|
| TOTAL | \$.60 |
|-------|--------|

3. ARTICLE ADDRESSED TO:
El Paso Natural Gas Company
P. O. Box 1492
El Paso, TX 79978

4. TYPE OF SERVICE:

| | | |
|---|----------------------------------|----------------|
| <input type="checkbox"/> REGISTERED | <input type="checkbox"/> INSURED | ARTICLE NUMBER |
| <input checked="" type="checkbox"/> CERTIFIED | <input type="checkbox"/> COD | P 265 338 095 |
| <input type="checkbox"/> EXPRESS MAIL | | |

(Always obtain signature of addressee or agent)

I have received the article described above.

SIGNATURE Addressee Authorized Agent

5. DATE OF DELIVERY 23 APR 1984 **POSTMARK**

6. ADDRESSEE'S ADDRESS (Only if requested)

7. UNABLE TO DELIVER BECAUSE:

7a. EMPLOYEE'S INITIALS

SES Hardship/mh

P 265 338 114

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—
NOT FOR INTERNATIONAL MAIL
(See Reverse)

SENTO
El Paso Natural Gas Co.
STREET AND NO.
P. O. Box 1492
P.O., STATE AND ZIP CODE
El Paso, Texas 79978

| | |
|---|----------------------------|
| POSTAGE | \$.88 |
| CONSULT POSTMASTER FOR FEES | CERTIFIED FEE |
| OPTIONAL SERVICES | SPECIAL DELIVERY |
| RETURN RECEIPT SERVICE | RESTRICTED DELIVERY |
| SHOW TO WHOM AND DATE DELIVERED | |
| SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY | |
| SHOW TO WHOM, DATE DELIVERED WITH RESTRICTED DELIVERY | |
| SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY | |
| TOTAL POSTAGE AND FEES | |
| \$ 2.23 | |

POSTMARK OR DATE
5-21-84

PS Form 3800, Apr. 1976

South Empire Hardship/kmh

765 338 095
RECEIPT FOR CERTIFIED MAILNO INSURANCE COVERAGE PROVIDED—
NOT FOR INTERNATIONAL MAIL
(See Reverse)

SENTO
El Paso Natural Gas Co.
STREET AND NO.
P. O. Box 1492
P.O., STATE AND ZIP CODE
El Paso, TX 79978

| | |
|---|----------------------------|
| POSTAGE | \$.88 |
| CONSULT POSTMASTER FOR FEES | CERTIFIED FEE |
| OPTIONAL SERVICES | SPECIAL DELIVERY |
| RETURN RECEIPT SERVICE | RESTRICTED DELIVERY |
| SHOW TO WHOM AND DATE DELIVERED | |
| SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY | |
| SHOW TO WHOM, DATE DELIVERED WITH RESTRICTED DELIVERY | |
| SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY | |
| TOTAL POSTAGE AND FEES | |
| \$ 2.23 | |
| POSTMARK OR DATE | |
| 5-21-84 | |

PS Form 3800, Apr. 1976

SES/Hardship/mh

● SENDER: Complete items 1, 2, 3, and 4.
Add your address in the "RETURN TO" space on reverse.

(CONSULT POSTMASTER FOR FEES)

- The following service is requested (check one).

| | |
|--|-----|
| <input checked="" type="checkbox"/> Show to whom and date delivered | .60 |
| <input type="checkbox"/> Show to whom, date, and address of delivery | —c |
- RESTRICTED DELIVERY**
(The restricted delivery fee is charged in addition to the return receipt fee.)

TOTAL \$.60

2. ARTICLE ADDRESSED TO:
El Paso Natural Gas Co.
P. O. Box 1492

El Paso TX 79978

| | |
|---|----------------------------------|
| 4. TYPE OF SERVICE: | ARTICLE NUMBER |
| <input type="checkbox"/> REGISTERED | <input type="checkbox"/> INSURED |
| <input checked="" type="checkbox"/> CERTIFIED | <input type="checkbox"/> COD |
| <input type="checkbox"/> EXPRESS MAIL | |

(Always obtain signature of addressee or agent)

I have received the article described above.

SIGNATURE Addressee Authorized Agent

5. DATE OF DELIVERY 23 APR 1984 **POSTMARK**

6. ADDRESSEE'S ADDRESS (Only if requested)

7. UNABLE TO DELIVER BECAUSE:

7a. EMPLOYEE'S INITIALS

South Empire - KMH



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

TONEY ANAYA
GOVERNOR

May 29, 1984

P.O. DRAWER D0
ARTESIA, NEW MEXICO 88210
(505) 748-1283

Doyle Hartman
P.O. Box 10426
Midland, Texas 79702

District II EHGM No. 10

Re: Emergency Hardship Gas Well
Classification - South Empire
State Com No. 1-M, Sec. 24,
Twn.17S, Rge.28E
South Empire Morrow Gas Pool

Gentlemen:

Under provisions of Rule 411, you are hereby granted an emergency hardship classification on the above captioned well. This well is not to be produced in excess of 420 MCFD.

In the matter of a permanent hardship classification for this well, it has been set for an examiner hearing on June 20, 1984.

Yours very truly,

Leslie A. Clements
Supervisor, District II

cc: Joe D. Ramey
El Paso Natural Gas Co.
Harold Garcia
Florene Davidson

MAY 30 1984

DOYLE HARTMAN
Oil Operator
500 N. MAIN
P. O. BOX 10426
MIDLAND, TEXAS 79702

(915) 684-4011
May 21, 1984

Offset Empire Morrow, South Operators
Doyle Hartman-
South Empire State Com Lease
S/2 Section 24
T-17-S, R-28-E
Eddy County, New Mexico

Please be advised that Doyle Hartman, as operator of the South Empire State Com No. 1 well located 800 FSL and 1000 FWL Section 24, T-17-S, R-28-E, Eddy County, New Mexico has filed with the New Mexico Oil Conservation Division for administrative approval of his South Empire State Com No. 1 well for hardship gas well classification, pursuant to NMOC Order R-7453.

If you have any questions as to the nature of the application, please do not hesitate to contact us.

Very truly yours,

DOYLE HARTMAN

Michelle Hembree

Michelle Hembree
Administrative Assistant

/mh

cc: All Operators Listed on Attached Table

MAN

6
79702

OFFSET OPERATORS
SOUTH EMPIRE STATE Com No. 1

Yates Petroleum Corporation
Yates Building
207 South 4th
Artesia, New Mexico 88210

TMAN

126
5 79702

Pennzoil Exploration & Production Co.
Post Office Box 1828
Midland, Texas 79702

RTMAN

for
0426
AS 79702

General American Oil Co.
1817 Mission Drive
Victoria, Texas 77901

RTMAN
426
AS 79702

OFFSET 1 OPERATIONS

SOUTH EMPIRE STATE Co. No. 1

Exxon Company, USA
Attention: J. K. Lytle
Post Office Box 1600
Midland, Texas 79702

RTMAN
for
0426
AS 79702

Hondo Oil & Gas Co.
Post Office Box 1610
Midland, Texas 79702

RTMAN
for
0426
AS 79702

Conoco, Inc.
Attention: M. K. Mosley
Post Office Box 1959
Midland, Texas 79702

DOYLE HARTMAN

Oil Operator

500 N. MAIN

P. O. BOX 10426

MIDLAND, TEXAS 79702

(915) 684-4011

May 29, 1984

Offset Operators
Doyle Hartman-
South Empire State Com No. 1
S/2 Section 24
T-17-S, R-28-E
Eddy County, New Mexico

Gentlemen:

You were informed by our letter dated May 21, 1984 of our administrative application pending before the New Mexico Oil Conservation Division to classify our South Empire State Com No. 1 as a hardship gas well to be produced at a minimum rate of 420 mcfpd.

Although our original application was applied for administratively, the Commission has routinely set all hardship applications for hearing, and the case for our South Empire State Com No. 1 will appear on the NMOCD's docket in the very near future.

We will keep you as an offset operator informed of the status of our application insofar as it applies to you.

Very truly yours,

DOYLE HARTMAN

Michelle Hembree

Michelle Hembree
Administrative Assistant

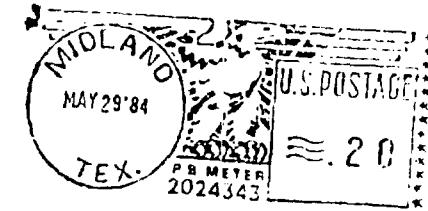
/mh

CC: Mr. William F. Carr

RTMAN

426

S 79702



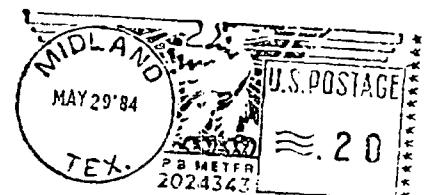
Pennzoil Exploration and Production Company
Post Office Box 1828
Midland, Texas 79702

RTMAN

"

426

S 79702

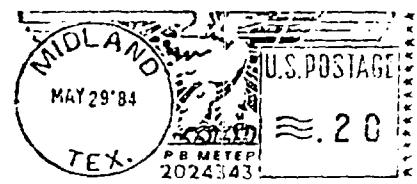


General American Oil Company
1817 Mission Drive
Victoria, Texas 77901

RTMAN

426

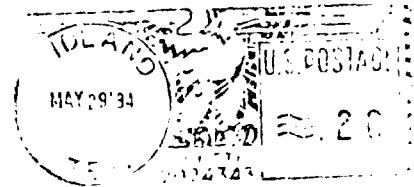
S 79702



Conoco, Inc.
Attention: Mr. M. K. Mosley
Post Office Box 1959
Midland, Texas 79702

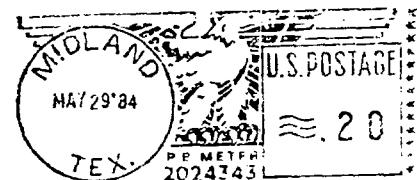
South Empire State Com No. 1

RTMAN
426
S 79702



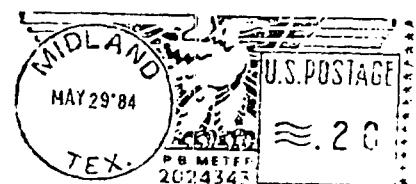
Yates Petroleum Corporation
Yates Building
207 South 4th
Artesia, New Mexico 88210

RTMAN
for
0426
AS 79702



Hondo Oil & Gas Co.
Post Office Box 1610
Midland, Texas 79702

RTMAN
for
0426
AS 79702



Exxon Company, USA
Attention: J. K. Lytle
Post Office Box 1600
Midland, Texas 79702