



**MYCO INDUSTRIES, INC.**

P.O. BOX 840 / 331 WEST MAIN, SUITE C  
ARTESIA, NEW MEXICO 88211-0840

NMOCD CASE #11190

MARCH 2, 1995

**EXHIBITS:**

11. (IA.) SUMMARY DISCUSSION - NELSON MUNCY, PELS
12. (I.) MYCO'S AFE REFLEX FEDERAL #1 (1980' FSL & 660' FEL S22-T18S-R29E)
13. (II.) PI CARD DATA, DWIGHTS PRODUCTION HISTORY DATA AND DECLINE CURVES FOR:
  - A) EMPIRE FED COM #1-K
  - B) EMPIRE "A" FED COM #1-C
14. (III.) GAS PRODUCTION SUMMARY FOR:
  - A) EMPIRE FED COM #1-K
  - B) EMPIRE "A" FED COM #1-C
15. (IV.) BHP/Z - VS - CUM GAS (CALCULATIONS)  
EMPIRE FED "A" COM #1-C
16. (V.) BHP/Z - VS - CUM GAS (CALCULATIONS)  
EMPIRE FED COM #1-K
17. (VI.) BHP/Z - VS - CUM GAS (PLOT)  
EMPIRE FED "A" COM #1-C
18. (VII.) BHP/Z - VS - CUM GAS (PLOT)  
EMPIRE FED COM #1-K
19. (VIII.) ECONOMIC ANALYSIS  
MYCO REFLEX FED #1

**MYCO INDUSTRIES, INC.  
P O BOX 840  
ARTESIA, NM 88211-0840**

**NMOCD CASE #11190  
MARCH 2, 1995**

**EXHIBIT 1A**

**MYCO INDUSTRIES INC.  
BEFORE EXAMINER CATANACH  
NMOCD CASE NO. 11190  
DATE: 03/02/95  
EXHIBIT NO. 11**

MYCO INDUSTRIES, INC. ARTESIA, NM (505) 748-4274  
Nelson Muncy, PELS Summary of Discussion Points 2-23-95  
WP6.0 File: RF1TALK.WPD  
REFLEX FEDERAL #1  
1980' FSL & 660' FEL S22-T18S-R29E Eddy Co, NM

EXHIBIT I: MYCO's AFE in the amount of \$704,950 total to drill through the Morrow to the Chester and complete in the Atoka. As previously pointed out by Mr. Lammers, we do not have hope of a Morrow completion. However, as a prudent operator we will drill the Morrow and test. I prepared this AFE and it is my professional opinion that the costs reflected are good sound engineering estimates.

I might add that in 198<sup>90</sup> MYCO drilled their East turkey Track Fed Com #1 to the Morrow in Unit K of S23-T18S-R29E. The well being located approximately 1-mile East of the proposed well (Reflex Fed. #1). I was the engineer in charge of drilling and completing the MYCO Turkey Track Fed Com #1 Well and I also wrote that AFE.

Reflex Federal #1: MYCO's WI = 30% and MYCO's NRI = 22.5%. This works out to a 75% NRI lease for MYCO.

EXHIBIT II:

- (a) PI Cards:
- (b) Dwights Well Production Histories:
- (c) Decline Curves:

Specifically for the two wells producing from the Atoka Sand Body in question here today, the Southland Royalty Co. Empire Fed Com #1 Well located in Unit K 1980' FSL & 1980' FWL S27-T18S-R29E in Eddy County, NM and the Southland Royalty Co. Empire "A" Fed Com #1 Well located in Unit C 660' FNL & 1980' FWL S27-T18S-R29E in Eddy County, NM.

The Empire Fed Com #1 located in Unit K was spudded 12-29-79, drilled to a TD of 11,700' and completed in the Morrow on 02-28-80. The Morrow was soon abandoned in 1980 after producing 123,220-MCF Gas, 1,604-BBLS Cond and 110-BBLS Wtr. The well was then completed in the Atoka (Perfs: 10,763-773') and first Atoka production was Jan'81. The cumulative Atoka production through the 1993 year was 3,437,441-MCF Gas (3.44-BCF), 24,501-BBLS Cond. and 923-BBLS Wtr. Production for the 1994 Year was not available as recently as last week from a public or a commercial source. The current NM Oil & Gas Engineering production records show this well to be T/A as of 1-1-94. I estimated the 1994 production from this well at approximately 250,000-MCF Gas after personally making two (2) field inspections of the wellsite in the past 160-days and talking with the pumper briefly on one occasion at the wellsite.

The second well is the Southland Royalty Company Empire Federal "A" #1 located in Unit C. This well was spudded 05-03-80 and completed in the Atoka on 07-07-80 with Perfs: 10,752'-10,778'. Cumulative production through the 1993 Year was 4,036,572-MCF Gas (4.04-BCF) , 33,881-BBLS Cond. and 891-BBLS Wtr. Again, production for the 1994 Year is not available and was estimated at approximately 250,000-MCF Gas after personally making two (2) field inspections of the wellsite in the past 160-days and talking briefly with the pumper on one occasion at the wellsite.

The reported combined production for both wells from the Atoka was 7,474,013-MCF Gas (7.47-BCF) , 58,382-BBLS Cond. and 1,184-BBLS Water through the 1993 Year. The historical GOR through the 1993 Year was 128,000:1.

EXHIBIT III is a summary of the gas production for both wells through the 1993 Year (Col I) , The estimated 1994 gas production (Col II) and the Total estimated gas production through the 1994 Year (Col III) :

|                        | (I)                          | (II)                             | (III)                                  |
|------------------------|------------------------------|----------------------------------|----------------------------------------|
|                        | '93 Yr End<br><u>Cum MCF</u> | Production<br><u>Est '94 MCF</u> | Total Est Prod<br><u>thru 1994 MCF</u> |
| Empire "A" Fed Com 1-C | 4,036,572                    | 250,000                          | 4,286,572                              |
| Empire Fed Com 1-K     | 3,437,441                    | 250,000                          | 3,687,441                              |
| TOTALS.....            | 7,474,013                    | 500,000                          | 7,974,013-MCF                          |

EXHIBITS IV and V:

PI tabulated yearly well head shut in pressures(WHSIP) as reported to the NMOCD by Southland Royalty Co. and tied to the cumulative gas production from first Atoka production through Sep'93 for the Empire Fed Com #1 located in Unit K of S27-T18S-R29E and the Empire Federal "A" Com #1 located in Unit C of S27-T18S-R29E.

I employed the Integrity Consulting Petroleum Engineering Reservoir Tool Kit Ver 3 (Boone and Clegg) to calculate the BHP's from the reported surface pressures and calculate the compressibility "Z" factor (Modified version of the Cullender-Smith Technique). I further used this computer program to calculate the remaining gas reserves for each well as of 10-01-93, by dividing the BHP by the compressibility "Z" factor plotted against cumulative production yielding a graphical representation of the material balance calculation of the two gas wells (BHP/Z vs Cum Gas). My calculations assumed an abandonment pressure of 100 psig at the wellhead. I have confidence in these calculations and the data because the pressure-production points plotted on a coordinate scale fall on a straight line for both wells as shown on EXHIBITS VI and VII. This suggests to me that well conditions have stabilized and there is not significant water or condensate production affecting the calculations.

As of 1-1-95, the I calculated recoverable gas-in place (GIP) for the Empire Fed "A" Com #1-C as follows:

5,716,498 MCF Recoverable GIP as of: 10-01-93 (EXHIBIT IV)  
(3,974,829) MCF actual production through Sep'93  
( 61,743) MCF actual production Oct-Dec'93  
( 250,000) MCF estimated production 1994 Year

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1,429,926 MCF (1.43-BCF) Estimated Recoverable GIP 1-1-95 100-psig well  
=====

As of 1-1-95, the I calculated recoverable gas-in-place (GIP) for the Empire Fed Com #1K as follows:

5,183,313 MCF Recoverable GIP as of: 10-01-93 (EXHIBIT V)  
(3,388,071) MCF actual production through Sep'93  
( 49,370) MCF actual production Oct-Dec'93  
( 250,000) MCF estimated production 1994 Year

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1,495,872 MCF (1.50-BCF) Estimated Recoverable GIP 1-1-95 100-psig well  
=====

I added the total recoverable GIP for both wells as of 1-1-95 together for a total of 2,925,794-MCF or 2.93-BCF. (Abandonment WHP = 100-psig)

MY calculations suggest that the Atoka Sand Body in question as of 1-1-95 was depleted approximately 75%. In other words, my calculations show that as of 1-1-95 only 25% of the recoverable GIP was remaining.

These calculations show that the two existing Southland Royalty Co. wells (Empire "A" Fed Com #1-C and Empire Fed Com #1-K) have depleted the Atoka Sand Body in question some 75% and that as of: 1-1-95 the remaining recoverable GIP is approximately 2.93-BCF at an abandonment well head pressure of 100-PSIG.

It is then my professional opinion that the 2.93-BCF remaining to be recovered in the Atoka Sand Body in question will in part be recovered by MYCO's proposed Reflex Federal #1. The geology as presented by Mr. Lammers and my reservoir engineering calculations suggest that the proposed well will should penetrate the Atoka reservoir and recover hydrocarbons. However, I should caution that geology and reservoir engineering are not exact sciences and there is an inherit risk associated with drilling the proposed well.

Assuming that the two existing Southland Royalty Co. wells exhibit continuous production to the economic limit, I see no reason why the MYCO well will not share equally in the recovery - in other words the proposed Reflex Fed #1 would have an equal chance to recover 1/3rd of 2.93-BCF or 0.98-BCF of gas. One must remember that the economic limit comes into play and may restrict the recovery of all this gas.

I note that the cumulative water production for the two existing Southland Royalty wells in question here today is insignificant. As previously stated the combined historical GOR for the two Southland Royalty Wells was 128,000:1 through the 1993 Year. Applying this historical GOR to the estimated remaining 2.93-BCF Gas recoverable as of 1-1-95 my calculations show that the total available recoverable condensate production for the total Atoka Sand body in question as of 1-1-95 would be 22,916-BBLS. Again, the economic limit might restrict the total recovery of all the condensate.

I made economic calculations to suggest to us what MYCO's profit margin and ultimate hydrocarbon recovery would be related to drilling the subject well.

EXHIBIT VIII is an economic analysis for MYCO's proposed Reflex Fed #1. I used MYCO's standard oil and gas economics program BTAX OGRE (DPC&A) which is recognized industry wide as one of the leading oil and gas economics programs. BTAX tells us that State and Fed Corp Income taxes are not calculated.

- (a) Oil price \$15 per Barrel
- (b) Gas price \$1.45 per MCF
- (c) LOE \$798 per Month
- (d) MYCO's WI = 30.00% and MYCO's NRI = 22.50%
- (e) No price escalations or WI reversions
- (f) Initial Gas Rate = 23,000-MCF/Month with a 128,000:1 GOR
- (g) Exponential decline rate of 22%
- (h) AFE Completed Cost \$704,950 (MYCO's 30% = \$211,485)
- (i) Assume production start date of 1-1-95
- (j) No risk factor applied

**MYCO'S NET WI:**

PW 10% = \$13,435

ECONOMIC LIFE = 8.2-Years

Gas Production = 217,339-MCF (Ultimate Well = 965,945-MCF or, 0.97-BCF)

Condensate Production = 1,696-BBLS (Ultimate Well = 7,534-BBLS)

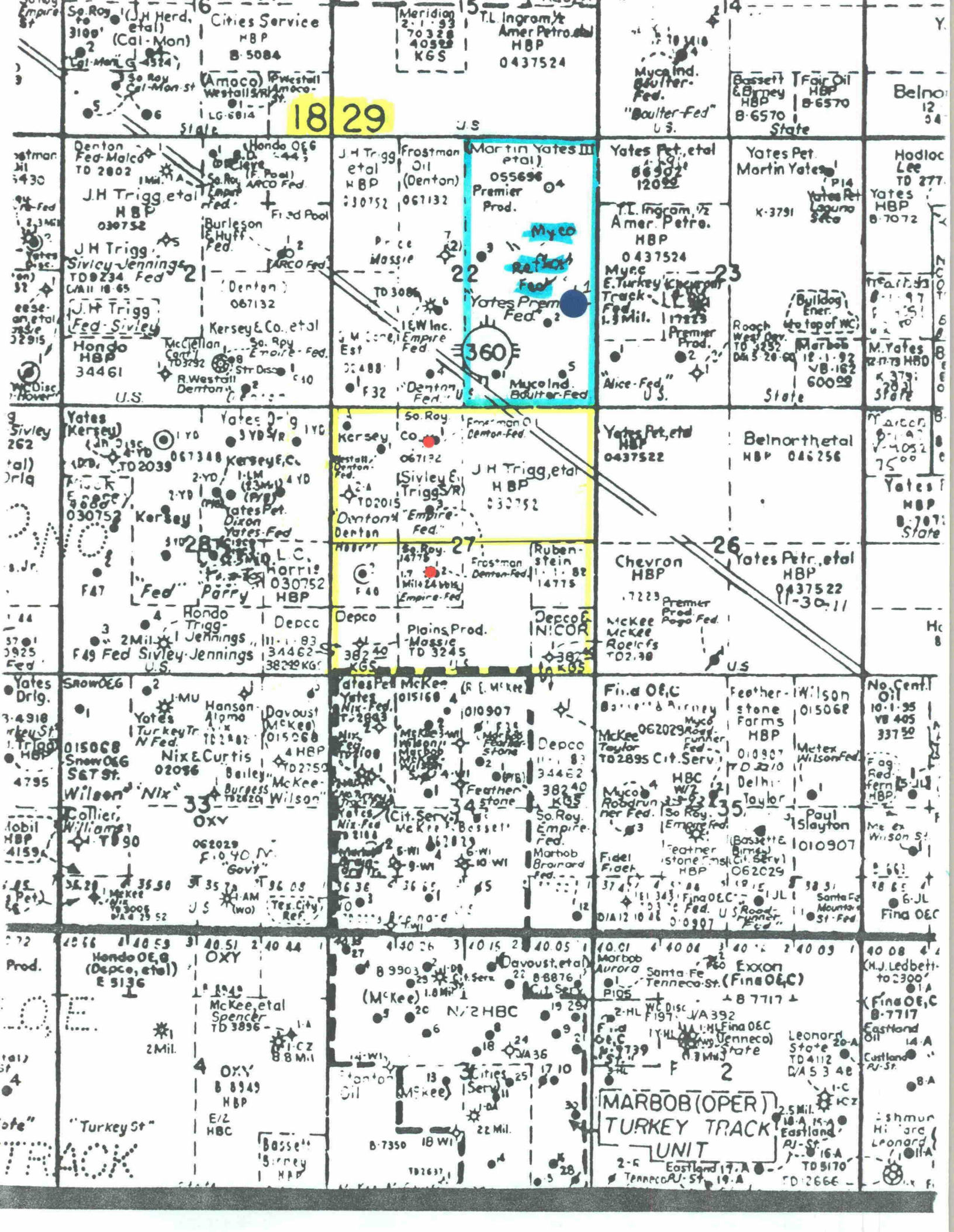
The economic calculations do not appear "rosy" even though they suggest that my estimate of the recoverable hydrocarbons in place attributable to the proposed well will most likely be recovered. The calculated PW 0% number is a positive \$74,276 and this number, based upon the aforementioned parameters, suggests to me how much additional unrisks cash will be in the bank at the end of the economic life of the well after all investments and costs have been paid. The PW 10% number is a mere positive \$13,435 and this number suggests how much additional unrisks cash will be in the bank at the end of the economic life of the well after all investments have been made vs. investing the same dollar amount in a bank account yielding 10% simple interest over the 8.2-Year projected life of the proposed well.

We need to remember that the economic analysis is based on predictions of the proposed well's performance as best we can measure the Atoka Sand Body's geological and

reservoir parameters. The PW (Present Worth) dollar values derived are unrisked and should be interpreted in the light that the geologic and engineering suggest that drilling the proposed well is risky. It should also be noted that we are looking at BTAX dollars which tells us that State and Federal Corporate Income Taxes are not a part of the economic calculations.

It is my opinion that MYCO should be designated the operator of the proposed well and the proration unit and that in order to protect correlative rights and to afford the owner of each interest in said unit, the opportunity to recover or receive without unnecessary expense his just and fair share of the hydrocarbons in said unit and that all costs plus 200% should apply to non-consent interest(s).







**MYCO INDUSTRIES, INC.  
P O BOX 840  
ARTESIA, NM 88211-0840**

**NMOCD CASE #11190  
MARCH 2, 1995**

**EXHIBIT I**

**MYCO INDUSTRIES INC.  
BEFORE EXAMINER CATANACH  
NMOCD CASE NO. 11190  
DATE: 03/02/95  
EXHIBIT NO. 12**



MYCO INDUSTRIES, INC.

P.O. Box 640 / 331 West Main, Suite C

Artesia, New Mexico 88210-0640

Phone (505) 748-1471

AUTHORITY FOR EXPENDITURE  
NEW DRILLING & RECOMPLETION

APE Type:

☒ New Drilling  
☐ Recompletion

Well Objective:

☐ Oil  
☒ Gas  
☐ Injector

Well Type:

☒ Development  
☐ Exploratory

AFE NO.

AFE DATE

AFE STATUS:

☒ Original  
☐ Revised  
☐ FinalLEASE NAME  
COUNTY  
LEGAL DESC.  
FIELD

REFLEX FEDERAL # 01

EDDY

1980' FSL &amp; 660' FEL

DIVISION CODE  
DISTRICT CODE  
BRANCH CODE

100

DIVISION NAME  
DISTRICT NAME  
BRANCH NAMEPROJ'D DEPTH  
STATE  
LOCATION  
HORIZON

11,600'

NM

S22-T18S-R29E NMPM

MORROW

Oil &amp; Gas Division

PROGNOSIS: DRILL A 12-1/4" HOLE OUT OF SURFACE CASING THRU SAN ANDRES AT APPROXIMATELY 4000'.

"IF WATER FLOW ENCOUNTERED SET 8-5/8" @ TD - IF NO WATER FLOW SET 8-5/8" @ 3200'. PRIMARY OBJECTIVE IS  
THE ATOKA AT 10,700'.

## INTANGIBLE DRILLING COSTS:

|                                 |                                                  | DRY HOLE | COMP'D WELL |
|---------------------------------|--------------------------------------------------|----------|-------------|
| 920-100                         | Staking, Permit & Legal Fees                     | 1,800    | 1,800       |
| 920-110                         | Location, Right-of-Way                           | 12,000   | 12,000      |
| 920-120                         | Drilling, Footage 11,600' @ \$18.00/FOOT + TAX   | 221,850  | 221,850     |
| 920-130                         | Drilling, Daywork 4-DAYS @ \$4500/DAY            | 18,000   | 19,000      |
| 920-140                         | Drilling Water, Fastlane Rental                  | 20,000   | 20,000      |
| 920-150                         | Drilling Mud & Additives                         | 16,000   | 16,000      |
| 920-160                         | Mud Logging Unit, Sample Bags & GEOLOGIST        | 6,500    | 6,500       |
| 920-170                         | Cementing - Surface Casing & INTERMEDIATE CASING | 26,000   | 26,000      |
| 920-180                         | Drill Stem Testing, OHT 2-DST'S                  | 7,200    | 7,200       |
| 920-190                         | Electric Logs & Tape Copies                      | 9,000    | 9,000       |
| 920-200                         | Tools & Equip. Rntl., Trkg. & Welding            | 3,500    | 3,500       |
| 920-210                         | Supervision & Overhead                           | 10,500   | 10,500      |
| 920-220                         | Contingency                                      | 500      | 1,000       |
| 920-230                         | Coring, Tools & Service                          | 0        | 0           |
| 920-240                         | Bits, Tool & Supplies Purchase                   | 500      | 500         |
| 920-350                         | Cementing - Production Casing                    | 0        | 28,500      |
| 920-410                         | Completion Unit - Swabbing                       | 0        | 8,500       |
| 920-420                         | Water for Completion                             | 0        | 1,500       |
| 920-430                         | Mud & Additives for Completion                   | 0        | 500         |
| 920-440                         | Cementing - Completion CBL                       | 0        | 2,000       |
| 920-450                         | Elec. Logs, Testing, Etc. - Completion           | 0        | 7,500       |
| 920-460                         | Tools & Equip. Rental, Etc. - Completion         | 0        | 8,000       |
| 920-470                         | Stimulation for Completion ONE ZONE              | 0        | 30,000      |
| 920-480                         | Supervision & O/H - Completion                   | 0        | 4,500       |
| 920-490                         | Additional LOC Charges - Completion              | 0        | 1,500       |
| 920-510                         | Bits, Tools & Supplies - Completion              | 0        | 0           |
| 920-500                         | Contingency for Completion                       | 0        | 1,000       |
| TOTAL INTANGIBLE DRILLING COSTS |                                                  | 354,350  | 448,350     |

## TANGIBLE EQUIPMENT COSTS:

|                                |                                                                 |         |         |
|--------------------------------|-----------------------------------------------------------------|---------|---------|
| 930-010                        | Christmas Tree & Wellhead                                       | 1,800   | 9,500   |
| 930-020                        | Casing 13-3/8" 48# H-40 @ 350'                                  | 8,100   | 8,100   |
|                                | * 8-5/8" 32# J-55 @ 3200'                                       | 34,000  | 34,000  |
|                                | 5-1/2" 17-20# N-80 @ 11,600'                                    | 0       | 118,500 |
|                                |                                                                 | 0       | 0       |
| 930-030                        | Tubing 2-7/8" 8.5# N-80 @ 11,600'                               | 0       | 46,000  |
| 930-040                        | Packer & Special Equipment                                      | 0       | 5,500   |
| 940-010                        | Pumping Equipment                                               | 0       | 0       |
| 940-020                        | Storage Facilities 2-210 BBL STOCK TANKS/1-300 BBL F/G WTR TANK | 0       | 9,500   |
| 940-030                        | Separation Equip., Flowlines, Misc.                             | 0       | 15,500  |
| 940-040                        | Trucking & Construction Costs                                   | 0       | 10,000  |
| TOTAL TANGIBLE EQUIPMENT COSTS |                                                                 | 43,900  | 258,600 |
| TOTAL COSTS                    |                                                                 | 398,250 | 704,950 |

APPROVAL OF THIS AFE CONSTITUTES APPROVAL OF OPERATOR'S OPTION TO CHARGE THE JOINT ACCOUNT WITH  
TUBULAR GOODS FROM THE OPERATOR'S WAREHOUSE STOCK AT THE RATES STATED ABOVE.Prepared By AM Operations Approval A.N. Muncy

| OWNER                     |                     | SHARE     |
|---------------------------|---------------------|-----------|
| MYCO INDUSTRIES, INC.     | <u>AMH</u>          | 30.00000% |
| BY <u>Frank Yates Jr.</u> | DATE <u>9-15-94</u> |           |
| LILLIE M. YATES ESTATE    |                     | 05.45292% |
| BY <u>Frank Yates Jr.</u> | DATE <u>9-15-94</u> |           |
| MARTIN YATES III ESTATE   |                     | 05.45292% |
| BY <u>Frank Yates Jr.</u> | DATE <u>9-15-94</u> |           |
| YATES PETROLEUM CORP      |                     | 19.99667% |
| BY <u>Frank Yates Jr.</u> | DATE <u>9-15-94</u> |           |

|                                                               |              |            |
|---------------------------------------------------------------|--------------|------------|
| S P YATES                                                     |              | 3.957500%  |
| BY <i>[Signature]</i>                                         | DATE 9-15-94 |            |
| JOHN A YATES, INDIVIDUALLY, AND AS PERSONAL REPRESENTATIVE OF |              | 1.978750%  |
| PEGGY A YATES ESTATE                                          |              | 1.978750%  |
| BY <i>[Signature]</i>                                         | DATE 9-15-94 |            |
| YATES DRILLING COMPANY                                        |              | 5.278330%  |
| BY <i>[Signature]</i>                                         | DATE 9-15-94 |            |
| ABO PETROLEUM CORPORATION                                     |              | 5.278330%  |
| BY <i>[Signature]</i>                                         | DATE 9-15-94 |            |
| * MERIDIAN                                                    |              | 15.835000% |
| BY                                                            | DATE         |            |
| HEYCO                                                         |              | 2.259142%  |
| BY                                                            | DATE         |            |
| * CIBOLA                                                      |              | 0.592480%  |
| BY                                                            | DATE         |            |
| YATES ENERGY COMPANY                                          |              | 1.374879%  |
| BY                                                            | DATE         |            |
| JALAPENO CORP                                                 |              | 1.357089%  |
| BY                                                            | DATE         |            |
| * DOOLEY ESTATE                                               |              | 0.833330%  |
| BY                                                            | DATE         |            |
|                                                               |              | 100%       |

\* not sign

CIBOLA + Dooley - F/O  
Meridian - Pooling

**MYCO INDUSTRIES, INC.  
P O BOX 840  
ARTESIA, NM 88211-0840**

**NMOCD CASE #11190  
MARCH 2, 1995**

**EXHIBIT II**

**MYCO INDUSTRIES INC.  
BEFORE EXAMINER CATANACH  
NMOCD CASE NO. 11190  
DATE: 03/02/95  
EXHIBIT NO. 13**

EDDY COUNTY

NEW MEXICO

(UNIT C)

UNDESIGNATED

Well: SOUTHLAND ROYALTY CO. 1 Empire Federal "A" Com Result: GAS DG

Locn: 8 mi SW/Locho Hills, 660' FNL, 1980' FWL of Sec 27-18S-29E

Spud: 5-3-80; Comp: 7-7-80; Elev: 3558' Grd; TD: 11,750' MRRW; PB: 11,650'  
Casing: 11-3/4" 350'/275sx; 8-5/8" 3200'/1100sx; 4 1/2" 11,747'/935sx  
2-3/8" 10,607'

Prod Zone: (Atoka) T/Pay 10,752', Prod thru perfs 10,752-778'  
IPCAOF; 2514 MCFGPD; GOR Dry; Grav (Gas) .640; SIWHP 3715#; SIBHP (NR)  
Comp Info: Ran DILL, RTRS, CNDL, GRL, CALP logs, DST (Wolfc) 8520-51',  
op 1 hr 15 mins, rec 10' DM, ISIP 79#, FP 15-15#, FSIP 63#, HP 4146-  
4146#, BHT 130 deg, DST (Cisco-Cany) 9710-46', op 45 mins w/wk blow,  
rec 90' GCDM w/tr oil, (Sampler rec .037 CFG + 1000cc's GCDM w/tr  
oil, @ 25#), ISIP 3394#/1 hr, FP 22-22#, FSIP 460#/1 hr 30 mins  
HP 4599-4599#; DST<sup>3</sup> (Atoka) 10,720-76', op 1 hr 15 mins w/  
strong blow, F/gas @ 4922 MCFGPD (sampler rec 7.5 CFG @ 1050#)  
ISIP 4935#/1 hr, FP 550-1303#, FSIP 4935#/3 hrs, HP 5526-5526#  
BHT 154 deg; DST<sup>2</sup> (Morrow) 11,074-102', op 1 hr 15 min w/wk  
blow, Rec 15' DM, ISIP 176#/1 hr, FP 22-44#, FSIP 614#/3 hrs, HP  
5905-5905#, BHT 166 deg; Ran DILL, RTRS, CNDL, GRL, CALP; BHT 815 deg

Petroleum Information @ 10,765'; (Cont'd Card 5-A)

Date: 8-13-80 Card No.: 5 pb

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EDDY COUNTY

NEW MEXICO

(UNIT C)

UNDESIGNATED

Well: SOUTHLAND ROYALTY CO. 1 Empire Federal "A" Result: GAS DG

Locn: 8 mi SW/Locho Hills; 660' FNL 1980' FWL of Sec 27-18S-29E;

(Cont'd fr Card 5)

Comp Info: Perf (Atoka) 10,752-778' w/2 SPF; A/150 gals (15%); F/  
@ 3500 MCFGPD, 1/2" ch, TP 3750#; (Atoka) Four Point Gauges;  
F/883 MCFGPD, ch NR, 60 mins, TP 3215#; F/1169 MCFGPD, ch NR, 60  
mins, TP 3010#; F/1247 MCFGPD, ch NR, 60 mins, TP 2790#; F/1662  
MCFGPD, ch NR, 60 mins, TP 2400#; C/Hondo #3.

Tops: (EL) San Andres 2906', 1st Bone Spring 6776', 2nd Bone  
Spring 7672', 3rd Bone Spring 8418', Wolfcamp 8753', Cisco 9794',  
Canyon 10,015', Strawn 10,287', Atoka 10,558', Morrow 10,846'.

API No: 30-015-23266

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Petroleum Information Corporation

Date: 8-13-80 Card No.: 5-A bc

UNIT  
K

EDDY COUNTY NEW MEXICO UNDESIGNATED  
Well: SOUTHLAND ROYALTY CO. 1 Empire Federal Com. Result: GAS DG  
Locn: 8 mi SW/Locho Hills, 1980' FSL, 1980' FWL of Sec 27-18S-29E

Spud: 12-29-79; Comp: 2-22-80; Elev: 3459' Grd; TD: 11,700' Morrow; PB: 11,620'

Casing: 11-3/4" 350'/275sx; 8-5/8" 3208'/1100sx; 4-1/2" 11,700'/825sx; 2-3/8" 11,014'

Prod Zone: (Morrow), T/Pay 11,172', Prod thru Perfs 11,172-260'

IPF: 1750 MCFGPD + 24 BO/24 hr test thru 9/64" ch, Grav 53.5, GOR NR, CP Pkr, TP 2500#

Comp Info: DST (Seven Rivers) 1338-77', op 45 mins, w/wk to very wk blow, rec 30' DM (SPL rec 2100 cc's DM) 1 hr ISIP 53#, FP 26-39#, 1 hr 30 min FSIP 53#, HP 725-760#; DST (Wolfc) 8910-41', op 1 hr 15 mins w/gd to strong blow, rec 10' oil + 90' DM (SPL rec .18 CFG + 720 cc's oil + 80 cc's DM @ 35#) 1 hr ISIP (NR), FP 79-117#, 3 hr FSIP 3474#, HP 4399-4412#; DST (Wolfc) 9660-79', op 1 hr 30 mins w/gd blow, rec 10' oil + 50' GCM (SPL rec .27 CFG) 1 hr ISIP 2260#, FP 54-90#, 3 hr FSIP 3072#, HP 4895-4895#, Perf (Morrow) 11,172-180; 11,210-224; 11,228-232; 11,244-260' w/2 SPF,



Petroleum Information Corporation

CORPORATION

A Subsidiary of A.C. Nelson Company

(Con't on card #11-A)

Date: 4-16-80

Card No.: 11 gb

EDDY COUNTY NEW MEXICO UNDESIGNATED  
Well: SOUTHLAND ROYALTY CO. 1 Empire Federal Comm. Result:  
Locn: 27-18S-29E (Con't from card #11)

A/300 gals, F@ 1750 MCFGPD + 1 BOPH/5 hrs thru 9/64" ch, TP 2500#, C/Hondo

Tops: (EL) San And 2932', 1st Bone Spring 6705', 2nd Bone Spring 7615', 3rd Bone Spring 8472', Wolfc 8796', Cisco 9795', Canyon 10,032', Strawn 10,200', Atoka 10,605', Morrow 11,022'

API NO: 30-015-23102

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REPRODUCTION PROHIBITED



Petroleum Information Corporation

CORPORATION

A Subsidiary of A.C. Nelson Company

Date: 4-16-80

Card No.: 11-A gb



Dwight's Energydata, Inc. DLOOK 4.20 Record # 1 Run date: 02/21/95  
 Property data from file: EMP.DMP Retrieval code: 000,000,SUMMARY

| Operator (#683470)   | Lease name                      | Well # |
|----------------------|---------------------------------|--------|
| SOUTHLAND ROYALTY CO | EMPIRE A FED AND EMPIRE FED COM |        |

| Ident. # | State  | Dist | County   | Location    | Lse/tax /unit # |
|----------|--------|------|----------|-------------|-----------------|
| SUMMARY  | NM(30) |      | 000 EDDY | 27K 18S 29E | 0               |

| API #        | Field (#8074527 )       | Reservoir |
|--------------|-------------------------|-----------|
| 00-000-00000 | TURKEY TRACK (ATOKA) PA | ATOKA     |

| Total Depth | Perforations Upper Lower | Temp Gradient | N-Factor | GOR |
|-------------|--------------------------|---------------|----------|-----|
| 0           | 0 0                      | 0.000         | 0.000    | 0   |

| Comp Date | Production Dates First Last | Status Date | Status |
|-----------|-----------------------------|-------------|--------|
| 0         | 8007 9312                   | 0           | INA    |

| Cumulative gas MCF | Since   | Gas Gravity | Gas Gatherer |
|--------------------|---------|-------------|--------------|
| 7474013            | FP Date | 0.00        | NONAT        |

| Cumulative liquid BBL | Since   | Liquid Gravity | Liquid Gatherer |
|-----------------------|---------|----------------|-----------------|
| 58382                 | FP Date | 0.00           | BASIN           |

| Month      | Oil<br>bbls | Cum Oil<br>bbls | Gas<br>mcf | Cum Gas<br>mcf | Water<br>bbls | No.of<br>Wells |
|------------|-------------|-----------------|------------|----------------|---------------|----------------|
| January    | 0           | 0               | 0          | 0              | 0             | 1              |
| February   | 0           | 0               | 0          | 0              | 0             | 1              |
| March      | 0           | 0               | 0          | 0              | 0             | 1              |
| April      | 0           | 0               | 0          | 0              | 0             | 1              |
| May        | 0           | 0               | 0          | 0              | 0             | 1              |
| June       | 0           | 0               | 0          | 0              | 0             | 1              |
| July       | 599         | 599             | 45053      | 45053          | 31            | 1              |
| August     | 0           | 599             | 0          | 45053          | 0             | 1              |
| September  | 537         | 1136            | 36934      | 81987          | 6             | 1              |
| October    | 851         | 1987            | 59117      | 141104         | 16            | 1              |
| November   | 899         | 2886            | 64607      | 205711         | 15            | 1              |
| December   | 850         | 3736            | 65514      | 271225         | 16            | 1              |
| Total 1980 | 3736        | 3736            | 271225     | 271225         | 84            | 1              |
| January    | 1510        | 5246            | 125597     | 396822         | 52            | 2              |
| February   | 1104        | 6350            | 87865      | 484687         | 34            | 2              |
| March      | 658         | 7008            | 53889      | 538576         | 18            | 2              |
| April      | 1042        | 8050            | 80771      | 619347         | 25            | 2              |
| May        | 1014        | 9064            | 83743      | 703090         | 38            | 2              |
| June       | 1265        | 10329           | 105349     | 808439         | 33            | 2              |
| July       | 1380        | 11709           | 115305     | 923744         | 36            | 2              |
| August     | 1039        | 12748           | 85559      | 1009303        | 28            | 2              |
| September  | 1279        | 14027           | 118674     | 1127977        | 34            | 2              |
| October    | 1350        | 15377           | 116253     | 1244230        | 28            | 2              |
| November   | 1132        | 16509           | 103508     | 1347738        | 33            | 2              |
| December   | 1197        | 17706           | 111305     | 1459043        | 31            | 2              |
| Total 1981 | 13970       | 17706           | 1187818    | 1459043        | 390           | 2              |
| January    | 1157        | 18863           | 115081     | 1574124        | 24            | 2              |
| February   | 1050        | 19913           | 100974     | 1675098        | 28            | 2              |
| March      | 966         | 20879           | 94002      | 1769100        | 24            | 2              |
| April      | 1034        | 21913           | 102621     | 1871721        | 30            | 2              |
| May        | 691         | 22604           | 69243      | 1940964        | 24            | 2              |
| June       | 168         | 22772           | 16745      | 1957709        | 7             | 2              |
| July       | 806         | 23578           | 81546      | 2039255        | 27            | 2              |
| August     | 883         | 24461           | 89303      | 2128558        | 32            | 2              |
| September  | 858         | 25319           | 88060      | 2216618        | 35            | 2              |
| October    | 658         | 25977           | 69522      | 2286140        | 32            | 2              |
| November   | 725         | 26702           | 76435      | 2362575        | 31            | 2              |
| December   | 518         | 27220           | 55481      | 2418056        | 26            | 2              |
| Total 1982 | 9514        | 27220           | 959013     | 2418056        | 320           | 2              |
| January    | 348         | 27568           | 39172      | 2457228        | 17            | 2              |
| February   | 355         | 27923           | 36622      | 2493850        | 13            | 2              |
| March      | 55          | 27978           | 10156      | 2504006        | 0             | 2              |
| April      | 200         | 28178           | 19567      | 2523573        | 10            | 2              |
| May        | 431         | 28609           | 46054      | 2569627        | 16            | 2              |
| June       | 126         | 28735           | 14003      | 2583630        | 4             | 2              |
| July       | 411         | 29146           | 38329      | 2621959        | 13            | 2              |

Dwight's Energydata, Inc. DLOOK 4.20 Record # 1 Run date: 02/21/95  
 Production data from file: EMP.DMP Retrieval code: 000,000,SUMMARY  
 Lease: EMPIRE A FED AND EMPIRE FED COM Well #:

| Month      | Oil<br>bbls | Cum Oil<br>bbls | Gas<br>mcf | Cum Gas<br>mcf | Water<br>bbls | No.of<br>Wells |
|------------|-------------|-----------------|------------|----------------|---------------|----------------|
| August     | 503         | 29649           | 57125      | 2679084        | 16            | 2              |
| September  | 276         | 29925           | 27884      | 2706968        | 6             | 2              |
| October    | 351         | 30276           | 37454      | 2744422        | 13            | 2              |
| November   | 251         | 30527           | 30963      | 2775385        | 22            | 2              |
| December   | 519         | 31046           | 73961      | 2849346        | 42            | 2              |
| Total 1983 | 3826        | 31046           | 431290     | 2849346        | 172           | 2              |
| January    | 472         | 31518           | 64536      | 2913882        | 35            | 2              |
| February   | 149         | 31667           | 9262       | 2923144        | 3             | 2              |
| March      | 356         | 32023           | 39933      | 2963077        | 12            | 2              |
| April      | 80          | 32103           | 12174      | 2975251        | 10            | 2              |
| May        | 642         | 32745           | 68469      | 3043720        | 21            | 2              |
| June       | 113         | 32858           | 13057      | 3056777        | 4             | 2              |
| July       | 104         | 32962           | 11780      | 3068557        | 4             | 2              |
| August     | 199         | 33161           | 20790      | 3089347        | 7             | 2              |
| September  | 360         | 33521           | 43751      | 3133098        | 9             | 2              |
| October    | 215         | 33736           | 22188      | 3155286        | 7             | 2              |
| November   | 361         | 34097           | 41594      | 3196880        | 12            | 2              |
| December   | 280         | 34377           | 32054      | 3228934        | 9             | 2              |
| Total 1984 | 3331        | 34377           | 379588     | 3228934        | 133           | 2              |
| January    | 435         | 34812           | 55333      | 3284267        | 8             | 2              |
| February   | 185         | 34997           | 24494      | 3308761        | 9             | 2              |
| March      | 121         | 35118           | 19271      | 3328032        | 6             | 2              |
| April      | 91          | 35209           | 11943      | 3339975        | 1             | 2              |
| May        | 143         | 35352           | 17615      | 3357590        | 5             | 2              |
| June       | 277         | 35629           | 32470      | 3390060        | 10            | 2              |
| July       | 69          | 35698           | 8791       | 3398851        | 0             | 2              |
| August     | 126         | 35824           | 15826      | 3414677        | 4             | 2              |
| September  | 19          | 35843           | 3604       | 3418281        | 0             | 2              |
| October    | 43          | 35886           | 4467       | 3422748        | 0             | 2              |
| November   | 393         | 36279           | 40279      | 3463027        | 10            | 2              |
| December   | 867         | 37146           | 95905      | 3558932        | 24            | 2              |
| Total 1985 | 2769        | 37146           | 329998     | 3558932        | 77            | 2              |
| January    | 385         | 37531           | 44312      | 3603244        | 10            | 2              |
| February   | 471         | 38002           | 65246      | 3668490        | 20            | 2              |
| March      | 355         | 38357           | 50392      | 3718882        | 19            | 2              |
| April      | 342         | 38699           | 45522      | 3764404        | 24            | 2              |
| May        | 407         | 39106           | 48307      | 3812711        | 15            | 2              |
| June       | 381         | 39487           | 46869      | 3859580        | 17            | 2              |
| July       | 160         | 39647           | 20314      | 3879894        | 0             | 2              |
| August     | 329         | 39976           | 37744      | 3917638        | 15            | 2              |
| September  | 47          | 40023           | 7883       | 3925521        | 0             | 2              |
| October    | 335         | 40358           | 45419      | 3970940        | 11            | 2              |
| November   | 338         | 40696           | 51770      | 4022710        | 16            | 2              |
| December   | 436         | 41132           | 62619      | 4085329        | 11            | 2              |
| Total 1986 | 3986        | 41132           | 526397     | 4085329        | 158           | 2              |

Dwight's Energydata, Inc. DLOOK 4.20      Record # 1      Run date: 02/21/95  
 Production data from file: EMP.DMP      Retrieval code: 000,000,SUMMARY  
 Lease: EMPIRE A FED AND EMPIRE FED COM      Well #:

| Month      | Oil<br>bbls | Cum Oil<br>bbls | Gas<br>mcf | Cum Gas<br>mcf | Water<br>bbls | No.of<br>Wells |
|------------|-------------|-----------------|------------|----------------|---------------|----------------|
| January    | 360         | 41492           | 50903      | 4136232        | 19            | 2              |
| February   | 251         | 41743           | 38448      | 4174680        | 10            | 2              |
| March      | 212         | 41955           | 32648      | 4207328        | 11            | 2              |
| April      | 19          | 41974           | 3184       | 4210512        | 1             | 2              |
| May        | 27          | 42001           | 3155       | 4213667        | 0             | 2              |
| June       | 16          | 42017           | 3261       | 4216928        | 1             | 2              |
| July       | 22          | 42039           | 3236       | 4220164        | 0             | 2              |
| August     | 17          | 42056           | 3242       | 4223406        | 1             | 2              |
| September  | 239         | 42295           | 33422      | 4256828        | 17            | 2              |
| October    | 375         | 42670           | 49807      | 4306635        | 26            | 2              |
| November   | 329         | 42999           | 44452      | 4351087        | 12            | 2              |
| December   | 408         | 43407           | 53841      | 4404928        | 23            | 2              |
| Total 1987 | 2275        | 43407           | 319599     | 4404928        | 121           | 2              |
| January    | 448         | 43855           | 59380      | 4464308        | 25            | 2              |
| February   | 222         | 44077           | 35269      | 4499577        | 9             | 2              |
| March      | 152         | 44229           | 22071      | 4521648        | 7             | 2              |
| April      | 341         | 44570           | 52959      | 4574607        | 18            | 2              |
| May        | 305         | 44875           | 47876      | 4622483        | 14            | 2              |
| June       | 270         | 45145           | 38143      | 4660626        | 14            | 2              |
| July       | 137         | 45282           | 19689      | 4680315        | 6             | 2              |
| August     | 442         | 45724           | 61984      | 4742299        | 27            | 2              |
| September  | 151         | 45875           | 21484      | 4763783        | 4             | 2              |
| October    | 444         | 46319           | 63382      | 4827165        | 20            | 2              |
| November   | 313         | 46632           | 55321      | 4882486        | 25            | 2              |
| December   | 283         | 46915           | 45169      | 4927655        | 0             | 2              |
| Total 1988 | 3508        | 46915           | 522727     | 4927655        | 169           | 2              |
| January    | 19          | 46934           | 3364       | 4931019        | 0             | 2              |
| February   | 290         | 47224           | 44857      | 4975876        | 0             | 2              |
| March      | 231         | 47455           | 41166      | 5017042        | 8             | 2              |
| April      | 335         | 47790           | 57276      | 5074318        | 5             | 2              |
| May        | 552         | 48342           | 85227      | 5159545        | 2             | 2              |
| June       | 253         | 48595           | 45055      | 5204600        | 0             | 2              |
| July       | 106         | 48701           | 18072      | 5222672        | 0             | 2              |
| August     | 223         | 48924           | 31173      | 5253845        | 0             | 2              |
| September  | 154         | 49078           | 20861      | 5274706        | 0             | 2              |
| October    | 325         | 49403           | 49415      | 5324121        | 0             | 2              |
| November   | 370         | 49773           | 54478      | 5378599        | 0             | 2              |
| December   | 327         | 50100           | 54357      | 5432956        | 0             | 2              |
| Total 1989 | 3185        | 50100           | 505301     | 5432956        | 15            | 2              |
| January    | 28          | 50128           | 6158       | 5439114        | 0             | 2              |
| February   | 327         | 50455           | 53231      | 5492345        | 175           | 2              |
| March      | 298         | 50753           | 52901      | 5545246        | 0             | 2              |
| April      | 308         | 51061           | 49068      | 5594314        | 0             | 2              |
| May        | 318         | 51379           | 55522      | 5649836        | 0             | 2              |
| June       | 280         | 51659           | 56268      | 5706104        | 0             | 2              |
| July       | 352         | 52011           | 58561      | 5764665        | 0             | 2              |

Dwight's Energydata, Inc. DLOOK 4.20 Record # 1 Run date: 02/21/95  
 Production data from file: EMP.DMP Retrieval code: 000,000,SUMMARY  
 Lease: EMPIRE A FED AND EMPIRE FED COM Well #:

| Month      | Oil<br>bbls | Cum Oil<br>bbls | Gas<br>mcf | Cum Gas<br>mcf | Water<br>bbls | No.of<br>Wells |
|------------|-------------|-----------------|------------|----------------|---------------|----------------|
| August     | 338         | 52349           | 59663      | 5824328        | 0             | 2              |
| September  | 242         | 52591           | 44288      | 5868616        | 0             | 2              |
| October    | 250         | 52841           | 47195      | 5915811        | 0             | 2              |
| November   | 202         | 53043           | 39341      | 5955152        | 0             | 2              |
| December   | 254         | 53297           | 56055      | 6011207        | 0             | 2              |
| Total 1990 | 3197        | 53297           | 578251     | 6011207        | 175           | 2              |
| January    | 206         | 53503           | 40649      | 6051856        | 0             | 2              |
| February   | 295         | 53798           | 51899      | 6103755        | 0             | 2              |
| March      | 271         | 54069           | 46349      | 6150104        | 0             | 2              |
| April      | 188         | 54257           | 50760      | 6200864        | 0             | 2              |
| May        | 231         | 54488           | 48677      | 6249541        | 0             | 2              |
| June       | 91          | 54579           | 32066      | 6281607        | 0             | 2              |
| July       | 242         | 54821           | 45441      | 6327048        | 0             | 2              |
| August     | 238         | 55059           | 44126      | 6371174        | 0             | 2              |
| September  | 169         | 55228           | 38678      | 6409852        | 0             | 2              |
| October    | 213         | 55441           | 47002      | 6456854        | 0             | 2              |
| November   | 132         | 55573           | 29546      | 6486400        | 0             | 2              |
| December   | 78          | 55651           | 16710      | 6503110        | 0             | 2              |
| Total 1991 | 2354        | 55651           | 491903     | 6503110        | 0             | 2              |
| January    | 22          | 55673           | 8881       | 6511991        | 0             | 2              |
| February   | 209         | 55882           | 37851      | 6549842        | 0             | 2              |
| March      | 235         | 56117           | 44514      | 6594356        | 0             | 2              |
| April      | 210         | 56327           | 43039      | 6637395        | 0             | 2              |
| May        | 181         | 56508           | 35630      | 6673025        | 0             | 2              |
| June       | 200         | 56708           | 43195      | 6716220        | 0             | 2              |
| July       | 188         | 56896           | 30838      | 6747058        | 0             | 2              |
| August     | 140         | 57036           | 50202      | 6797260        | 0             | 2              |
| September  | 144         | 57180           | 46172      | 6843432        | 0             | 2              |
| October    | 138         | 57318           | 48585      | 6892017        | 0             | 2              |
| November   | 106         | 57424           | 45726      | 6937743        | 0             | 2              |
| December   | 62          | 57486           | 46338      | 6984081        | 0             | 2              |
| Total 1992 | 1835        | 57486           | 480971     | 6984081        | 0             | 2              |
| January    | 80          | 57566           | 45480      | 7029561        | 0             | 2              |
| February   | 81          | 57647           | 41304      | 7070865        | 0             | 2              |
| March      | 87          | 57734           | 44928      | 7115793        | 0             | 2              |
| April      | 76          | 57810           | 41288      | 7157081        | 0             | 2              |
| May        | 80          | 57890           | 43907      | 7200988        | 0             | 2              |
| June       | 89          | 57979           | 41881      | 7242869        | 0             | 2              |
| July       | 95          | 58074           | 42406      | 7285275        | 0             | 2              |
| August     | 80          | 58154           | 41166      | 7326441        | 0             | 2              |
| September  | 64          | 58218           | 36459      | 7362900        | 0             | 2              |
| October    | 74          | 58292           | 38727      | 7401627        | 0             | 2              |
| November   | 46          | 58338           | 36135      | 7437762        | 0             | 2              |
| December   | 44          | 58382           | 36251      | 7474013        | 0             | 2              |
| Total 1993 | 896         | 58382           | 489932     | 7474013        | 0             | 2              |

|                      |                     |        |
|----------------------|---------------------|--------|
| Operator (#683470)   | Lease name          | Well # |
| SOUTHLAND ROYALTY CO | EMPIRE FEDERAL COM. | 000001 |

|               |        |      |          |             |                 |
|---------------|--------|------|----------|-------------|-----------------|
| Ident. #      | State  | Dist | County   | Location    | Lse/tax /unit # |
| 18S29E27K00PA | NM(30) | 002  | 015 EDDY | 27K 18S 29E | 99195           |

|              |                         |           |
|--------------|-------------------------|-----------|
| API #        | Field (#8074527 )       | Reservoir |
| 30-015-23102 | TURKEY TRACK (ATOKA) PA | ATOKA     |

|             |                          |               |          |     |
|-------------|--------------------------|---------------|----------|-----|
| Total Depth | Perforations Upper Lower | Temp Gradient | N-Factor | GOR |
| 11700       | 0 0                      | 0.852         | 0.000    | 0   |

|           |                             |             |        |
|-----------|-----------------------------|-------------|--------|
| Comp Date | Production Dates First Last | Status Date | Status |
| 0         | 8101 9312                   | 0           | INA    |

|                    |         |             |              |
|--------------------|---------|-------------|--------------|
| Cumulative gas MCF | Since   | Gas Gravity | Gas Gatherer |
| 3437441            | FP Date | 0.00        | NONAT        |

|                       |         |                |                 |
|-----------------------|---------|----------------|-----------------|
| Cumulative liquid BBL | Since   | Liquid Gravity | Liquid Gatherer |
| 24501                 | FP Date | 0.00           | BASIN           |

Dwight's Energydata, Inc. DLOOK 4.20      Record # 2      Run date: 02/21/95  
Gas test data from file: EMPIRE.DMP      Retrieval code: 250,015,18S29E27K00PA  
Lease: EMPIRE FEDERAL COM.      Well #: 000001

| Test Date | Cum at Test | WHSIP | BHP | BHP2 | M/C | Type | bd Pot | bd water | bd cond | whflow | poten | init test |
|-----------|-------------|-------|-----|------|-----|------|--------|----------|---------|--------|-------|-----------|
| 810825    | 343134      | 2528  | 0   | 0    |     |      | 0      | 0        | 0       | 0      | 0     | 0         |
| 820810    | 843958      | 2083  | 0   | 0    |     |      | 0      | 0        | 0       | 0      | 0     | 0         |
| 830608    | 1088086     | 2071  | 0   | 0    |     |      | 0      | 0        | 0       | 0      | 0     | 0         |
| 840606    | 1317290     | 1928  | 0   | 0    |     |      | 0      | 0        | 0       | 0      | 0     | 0         |
| 850621    | 1489313     | 1954  | 0   | 0    |     |      | 0      | 0        | 0       | 0      | 0     | 0         |
| 860730    | 1645606     | 2020  | 0   | 0    |     |      | 0      | 0        | 0       | 0      | 0     | 0         |
| 870730    | 1849831     | 1823  | 0   | 0    |     |      | 0      | 0        | 0       | 0      | 0     | 0         |
| 880926    | 2123585     | 1603  | 0   | 0    |     |      | 0      | 0        | 0       | 0      | 0     | 0         |
| 890914    | 2355422     | 1566  | 0   | 0    |     |      | 0      | 0        | 0       | 0      | 0     | 0         |
| 900922    | 2662159     | 979   | 0   | 0    |     |      | 0      | 0        | 0       | 0      | 0     | 0         |
| 910828    | 2907601     | 1205  | 0   | 0    |     |      | 0      | 0        | 0       | 0      | 0     | 0         |
| 920819    | 3121090     | 1051  | 0   | 0    |     |      | 0      | 0        | 0       | 0      | 0     | 0         |
| 930915    | 3380135     | 942   | 0   | 0    |     |      | 0      | 0        | 0       | 0      | 0     | 0         |

Dwight's Energydata, Inc. DLOOK 4.20 Record # 2 Run date: 02/21/95  
 Production data from file: EMPIRE.DMP Retrieval code: 250,015,18S29E27K00PA  
 Lease: EMPIRE FEDERAL CON. Well #: 000001

| Month      | Oil<br>bbls | Cum Oil<br>bbls | Gas<br>mcf | Cum Gas<br>mcf | Water<br>bbls | No.of<br>Wells |
|------------|-------------|-----------------|------------|----------------|---------------|----------------|
| January    | 675         | 675             | 57887      | 57887          | 38            | 1              |
| February   | 473         | 1148            | 40800      | 98687          | 24            | 1              |
| March      | 291         | 1439            | 24474      | 123161         | 10            | 1              |
| April      | 469         | 1908            | 37920      | 161081         | 15            | 1              |
| May        | 463         | 2371            | 39645      | 200726         | 20            | 1              |
| June       | 593         | 2964            | 52161      | 252887         | 16            | 1              |
| July       | 651         | 3615            | 55921      | 308808         | 18            | 1              |
| August     | 512         | 4127            | 41357      | 350165         | 14            | 1              |
| September  | 563         | 4690            | 56707      | 406872         | 17            | 1              |
| October    | 607         | 5297            | 56700      | 463572         | 12            | 1              |
| November   | 544         | 5841            | 49154      | 512726         | 14            | 1              |
| December   | 554         | 6395            | 51143      | 563869         | 15            | 1              |
| Total 1981 | 6395        | 6395            | 563869     | 563869         | 213           | 1              |
| January    | 505         | 6900            | 52739      | 616608         | 12            | 1              |
| February   | 454         | 7354            | 47232      | 663840         | 12            | 1              |
| March      | 463         | 7817            | 46775      | 710615         | 12            | 1              |
| April      | 480         | 8297            | 49564      | 760179         | 16            | 1              |
| May        | 250         | 8547            | 27099      | 787278         | 10            | 1              |
| June       | 35          | 8582            | 3666       | 790944         | 1             | 1              |
| July       | 334         | 8916            | 38962      | 829906         | 13            | 1              |
| August     | 372         | 9288            | 42583      | 872489         | 17            | 1              |
| September  | 377         | 9665            | 41787      | 914276         | 20            | 1              |
| October    | 336         | 10001           | 38382      | 952658         | 19            | 1              |
| November   | 299         | 10300           | 34360      | 987018         | 18            | 1              |
| December   | 262         | 10562           | 29896      | 1016914        | 15            | 1              |
| Total 1982 | 4167        | 10562           | 453045     | 1016914        | 165           | 1              |
| January    | 121         | 10683           | 15679      | 1032593        | 8             | 1              |
| February   | 194         | 10877           | 18988      | 1051581        | 7             | 1              |
| March      | 12          | 10889           | 4802       | 1056383        | 0             | 1              |
| April      | 78          | 10967           | 8708       | 1065091        | 6             | 1              |
| May        | 178         | 11145           | 21394      | 1086485        | 7             | 1              |
| June       | 51          | 11196           | 5930       | 1092415        | 2             | 1              |
| July       | 166         | 11362           | 16623      | 1109038        | 8             | 1              |
| August     | 227         | 11589           | 25503      | 1134541        | 7             | 1              |
| September  | 122         | 11711           | 12947      | 1147488        | 2             | 1              |
| October    | 143         | 11854           | 17631      | 1165119        | 7             | 1              |
| November   | 167         | 12021           | 20804      | 1185923        | 12            | 1              |
| December   | 237         | 12258           | 32322      | 1218245        | 20            | 1              |
| Total 1983 | 1696        | 12258           | 201331     | 1218245        | 86            | 1              |
| January    | 247         | 12505           | 31902      | 1250147        | 20            | 1              |
| February   | 39          | 12544           | 4949       | 1255096        | 1             | 1              |
| March      | 186         | 12730           | 20120      | 1275216        | 7             | 1              |
| April      | 22          | 12752           | 6313       | 1281529        | 0             | 1              |
| May        | 300         | 13052           | 34409      | 1315938        | 10            | 1              |
| June       | 52          | 13104           | 6759       | 1322697        | 2             | 1              |
| July       | 52          | 13156           | 6143       | 1328840        | 1             | 1              |



Dwight's Energydata, Inc. DLOOK 4.20      Record # 2      Run date: 02/21/95  
 Production data from file: EMPIRE.DMP      Retrieval code: 250,015,18S29E27X00PA  
 Lease: EMPIRE FEDERAL COM.      Well #: 000001

| Month      | Oil<br>bbls | Cum Oil<br>bbls | Gas<br>mcf | Cum Gas<br>mcf | Water<br>bbls | No.of<br>Wells |
|------------|-------------|-----------------|------------|----------------|---------------|----------------|
| August     | 96          | 13252           | 10898      | 1339738        | 3             | 1              |
| September  | 171         | 13423           | 22794      | 1362532        | 4             | 1              |
| October    | 134         | 13557           | 14711      | 1377243        | 5             | 1              |
| November   | 163         | 13720           | 18638      | 1395881        | 5             | 1              |
| December   | 113         | 13833           | 13492      | 1409373        | 4             | 1              |
| Total 1984 | 1575        | 13833           | 191128     | 1409373        | 62            | 1              |
| January    | 256         | 14089           | 31966      | 1441339        | 5             | 1              |
| February   | 87          | 14176           | 9832       | 1451171        | 4             | 1              |
| March      | 50          | 14226           | 9402       | 1460573        | 3             | 1              |
| April      | 36          | 14262           | 4600       | 1465173        | 1             | 1              |
| May        | 41          | 14303           | 6158       | 1471331        | 2             | 1              |
| June       | 217         | 14520           | 25689      | 1497020        | 7             | 1              |
| July       | 36          | 14556           | 4427       | 1501447        | 0             | 1              |
| August     | 76          | 14632           | 8204       | 1509651        | 2             | 1              |
| September  | 6           | 14638           | 1552       | 1511203        | 0             | 1              |
| October    | 21          | 14659           | 1660       | 1512863        | 0             | 1              |
| November   | 181         | 14840           | 19270      | 1532133        | 4             | 1              |
| December   | 367         | 15207           | 47128      | 1579261        | 12            | 1              |
| Total 1985 | 1374        | 15207           | 169888     | 1579261        | 40            | 1              |
| January    | 125         | 15332           | 16009      | 1595270        | 3             | 1              |
| February   | 194         | 15526           | 27531      | 1622801        | 9             | 1              |
| March      | 109         | 15635           | 16899      | 1639700        | 5             | 1              |
| April      | 5           | 15640           | 1499       | 1641199        | 0             | 1              |
| May        | 10          | 15650           | 1749       | 1642948        | 0             | 1              |
| June       | 9           | 15659           | 1699       | 1644647        | 1             | 1              |
| July       | 3           | 15662           | 959        | 1645606        | 0             | 1              |
| August     | 42          | 15704           | 667        | 1646273        | 2             | 1              |
| September  | 37          | 15741           | 6049       | 1652322        | 0             | 1              |
| October    | 335         | 16076           | 44530      | 1696852        | 11            | 1              |
| November   | 247         | 16323           | 40421      | 1737273        | 13            | 1              |
| December   | 297         | 16620           | 44003      | 1781276        | 7             | 1              |
| Total 1986 | 1413        | 16620           | 202015     | 1781276        | 51            | 1              |
| January    | 185         | 16805           | 26393      | 1807669        | 9             | 1              |
| February   | 117         | 16922           | 19395      | 1827064        | 4             | 1              |
| March      | 100         | 17022           | 16258      | 1843322        | 3             | 1              |
| April      | 9           | 17031           | 1494       | 1844816        | 0             | 1              |
| May        | 13          | 17044           | 1742       | 1846558        | 0             | 1              |
| June       | 12          | 17056           | 1574       | 1848132        | 1             | 1              |
| July       | 11          | 17067           | 1699       | 1849831        | 0             | 1              |
| August     | 10          | 17077           | 1560       | 1851391        | 1             | 1              |
| September  | 112         | 17189           | 15608      | 1866999        | 8             | 1              |
| October    | 196         | 17385           | 25720      | 1892719        | 12            | 1              |
| November   | 138         | 17523           | 19006      | 1911725        | 3             | 1              |
| December   | 227         | 17750           | 32589      | 1944314        | 13            | 1              |
| Total 1987 | 1130        | 17750           | 163038     | 1944314        | 54            | 1              |

Dwight's Energydata, Inc. DLOOK 4.20 Record # 2 Run date: 02/21/95  
 Production data from file: EMPIRE.DMP Retrieval code: 250,015,18S29E27K00PA  
 Lease: EMPIRE FEDERAL COM. Well #: 000001

| Month      | Oil<br>bbls | Cum Oil<br>bbls | Gas<br>mcf | Cum Gas<br>mcf | Water<br>bbls | No.of<br>Wells |
|------------|-------------|-----------------|------------|----------------|---------------|----------------|
| January    | 195         | 17945           | 30302      | 1974616        | 11            | 1              |
| February   | 112         | 18057           | 16704      | 1991320        | 4             | 1              |
| March      | 50          | 18107           | 9095       | 2000415        | 0             | 1              |
| April      | 161         | 18268           | 26304      | 2026719        | 6             | 1              |
| May        | 128         | 18396           | 22439      | 2049158        | 4             | 1              |
| June       | 92          | 18488           | 16356      | 2065514        | 6             | 1              |
| July       | 71          | 18559           | 10214      | 2075728        | 3             | 1              |
| August     | 246         | 18805           | 37825      | 2113553        | 15            | 1              |
| September  | 79          | 18884           | 11531      | 2125084        | 0             | 1              |
| October    | 185         | 19069           | 28880      | 2153964        | 10            | 1              |
| November   | 212         | 19281           | 35744      | 2189708        | 15            | 1              |
| December   | 115         | 19396           | 17742      | 2207450        | 0             | 1              |
| Total 1988 | 1646        | 19396           | 263136     | 2207450        | 74            | 1              |
| January    | 10          | 19406           | 1781       | 2209231        | 0             | 1              |
| February   | 188         | 19594           | 24924      | 2234155        | 0             | 1              |
| March      | 75          | 19669           | 12480      | 2246635        | 3             | 1              |
| April      | 163         | 19832           | 29009      | 2275644        | 0             | 1              |
| May        | 230         | 20062           | 39936      | 2315580        | 0             | 1              |
| June       | 113         | 20175           | 22470      | 2338050        | 0             | 1              |
| July       | 5           | 20180           | 1254       | 2339304        | 0             | 1              |
| August     | 97          | 20277           | 14346      | 2353650        | 0             | 1              |
| September  | 24          | 20301           | 3770       | 2357420        | 0             | 1              |
| October    | 133         | 20434           | 24318      | 2381738        | 0             | 1              |
| November   | 144         | 20578           | 24357      | 2406095        | 0             | 1              |
| December   | 162         | 20740           | 29202      | 2435297        | 0             | 1              |
| Total 1989 | 1344        | 20740           | 227847     | 2435297        | 3             | 1              |
| January    | 19          | 20759           | 3817       | 2439114        | 0             | 1              |
| February   | 174         | 20933           | 31026      | 2470140        | 175           | 1              |
| March      | 167         | 21100           | 31744      | 2501884        | 0             | 1              |
| April      | 150         | 21250           | 27215      | 2529099        | 0             | 1              |
| May        | 154         | 21404           | 27475      | 2556574        | 0             | 1              |
| June       | 147         | 21551           | 30230      | 2586804        | 0             | 1              |
| July       | 148         | 21699           | 29829      | 2616633        | 0             | 1              |
| August     | 144         | 21843           | 29358      | 2645991        | 0             | 1              |
| September  | 106         | 21949           | 22148      | 2668139        | 0             | 1              |
| October    | 117         | 22066           | 21748      | 2689887        | 0             | 1              |
| November   | 129         | 22195           | 26220      | 2716107        | 0             | 1              |
| December   | 102         | 22297           | 24319      | 2740426        | 0             | 1              |
| Total 1990 | 1557        | 22297           | 305129     | 2740426        | 175           | 1              |
| January    | 84          | 22381           | 20059      | 2760485        | 0             | 1              |
| February   | 121         | 22502           | 23882      | 2784367        | 0             | 1              |
| March      | 99          | 22601           | 20725      | 2805092        | 0             | 1              |
| April      | 103         | 22704           | 23145      | 2828237        | 0             | 1              |
| May        | 82          | 22786           | 21300      | 2849537        | 0             | 1              |
| June       | 67          | 22853           | 17485      | 2867022        | 0             | 1              |
| July       | 98          | 22951           | 21618      | 2888640        | 0             | 1              |

Dwight's Energydata, Inc. DLOOK 4.20      Record # 2      Run date: 02/21/95  
 Production data from file: EMPIRE.DMP      Retrieval code: 250,015,18S29E27K00PA  
 Lease: EMPIRE FEDERAL COM.      Well #: 000001

| Month      | Oil<br>bbls | Cum Oil<br>bbls | Gas<br>mcf | Cum Gas<br>mcf | Water<br>bbls | No.of<br>Wells |
|------------|-------------|-----------------|------------|----------------|---------------|----------------|
| August     | 91          | 23042           | 20388      | 2909028        | 0             | 1              |
| September  | 87          | 23129           | 20873      | 2929901        | 0             | 1              |
| October    | 89          | 23218           | 23103      | 2953004        | 0             | 1              |
| November   | 60          | 23278           | 14908      | 2967912        | 0             | 1              |
| December   | 32          | 23310           | 6702       | 2974614        | 0             | 1              |
| Total 1991 | 1013        | 23310           | 234188     | 2974614        | 0             | 1              |
| January    | 18          | 23328           | 2510       | 2977124        | 0             | 1              |
| February   | 120         | 23448           | 26763      | 3003887        | 0             | 1              |
| March      | 111         | 23559           | 24141      | 3028028        | 0             | 1              |
| April      | 96          | 23655           | 23463      | 3051491        | 0             | 1              |
| May        | 91          | 23746           | 21253      | 3072744        | 0             | 1              |
| June       | 80          | 23826           | 20400      | 3093144        | 0             | 1              |
| July       | 69          | 23895           | 12340      | 3105484        | 0             | 1              |
| August     | 42          | 23937           | 24772      | 3130256        | 0             | 1              |
| September  | 49          | 23986           | 21311      | 3151567        | 0             | 1              |
| October    | 50          | 24036           | 21899      | 3173466        | 0             | 1              |
| November   | 49          | 24085           | 20784      | 3194250        | 0             | 1              |
| December   | 48          | 24133           | 21167      | 3215417        | 0             | 1              |
| Total 1992 | 823         | 24133           | 240803     | 3215417        | 0             | 1              |
| January    | 51          | 24184           | 21357      | 3236774        | 0             | 1              |
| February   | 42          | 24226           | 19319      | 3256093        | 0             | 1              |
| March      | 44          | 24270           | 20841      | 3276934        | 0             | 1              |
| April      | 38          | 24308           | 19015      | 3295949        | 0             | 1              |
| May        | 37          | 24345           | 20353      | 3316302        | 0             | 1              |
| June       | 30          | 24375           | 18729      | 3335031        | 0             | 1              |
| July       | 32          | 24407           | 18848      | 3353879        | 0             | 1              |
| August     | 21          | 24428           | 18319      | 3372198        | 0             | 1              |
| September  | 9           | 24437           | 15873      | 3388071        | 0             | 1              |
| October    | 20          | 24457           | 16282      | 3404353        | 0             | 1              |
| November   | 33          | 24490           | 16149      | 3420502        | 0             | 1              |
| December   | 11          | 24501           | 16939      | 3437441        | 0             | 1              |
| Total 1993 | 368         | 24501           | 222024     | 3437441        | 0             | 1              |



|                      |                    |        |
|----------------------|--------------------|--------|
| Operator (#683470)   | Lease name         | Well # |
| SOUTHLAND ROYALTY CO | EMPIRE A FED. COM. | 000001 |

|               |        |      |          |             |                 |
|---------------|--------|------|----------|-------------|-----------------|
| Ident. #      | State  | Dist | County   | Location    | Lse/tax /unit # |
| 18S29E27C00PA | NM(30) | 002  | 015 EDDY | 27C 18S 29E | 96500           |

|              |                         |           |
|--------------|-------------------------|-----------|
| API #        | Field (#8074527 )       | Reservoir |
| 30-015-23266 | TURKEY TRACK (ATOKA) PA | ATOKA     |

|             |                          |               |          |     |
|-------------|--------------------------|---------------|----------|-----|
| Total Depth | Perforations Upper Lower | Temp Gradient | N-Factor | GOR |
| 11750       | 10752 10778              | 0.852         | 0.758    | 0   |

|           |                             |             |        |
|-----------|-----------------------------|-------------|--------|
| Comp Date | Production Dates First Last | Status Date | Status |
| 8007      | 8007 9312                   | 0           | INA    |

|                    |         |             |              |
|--------------------|---------|-------------|--------------|
| Cumulative gas MCF | Since   | Gas Gravity | Gas Gatherer |
| 4036572            | FP Date | 0.64        | NONAT        |

|                       |         |                |                 |
|-----------------------|---------|----------------|-----------------|
| Cumulative liquid BBL | Since   | Liquid Gravity | Liquid Gatherer |
| 33881                 | FP Date | 57.50          | BASIN           |

Dwight's Energydata, Inc. DLOOK 4.20  
 Gas test data from file: EMPIRE.DMP  
 Lease: EMPIRE A FED. COM.

Record # 1 Run date: 02/21/95  
 Retrieval code: 250,015,18S29E27C00PA  
 Well #: 000001

| Test<br>Date | Cum at<br>Test | WHSIP | BHP  | BHP2 | M/C | Type | bd<br>Pot water | bd<br>cond whflow | poten | init<br>test |   |
|--------------|----------------|-------|------|------|-----|------|-----------------|-------------------|-------|--------------|---|
| 800707       | 0              | 3728  | 4778 | 4906 | C   | 1    | 0               | 0                 | 0     | 2514         | 1 |
| 801017       | 115684         | 3292  | 4263 | 4554 | C   | 0    | 0               | 0                 | 0     | 0            | 0 |
| 810825       | 651624         | 2693  | 3532 | 3964 | C   | 0    | 0               | 0                 | 0     | 0            | 0 |
| 820810       | 1224767        | 2238  | 2951 | 3408 | C   | 0    | 0               | 0                 | 0     | 0            | 0 |
| 830608       | 1485322        | 2193  | 2893 | 3348 | C   | 0    | 0               | 0                 | 0     | 0            | 0 |
| 840606       | 1729042        | 2083  | 2748 | 3192 | C   | 0    | 0               | 0                 | 0     | 0            | 0 |
| 850723       | 1896400        | 2129  | 2808 | 3258 | C   | 0    | 0               | 0                 | 0     | 0            | 0 |
| 860712       | 2222675        | 2015  | 2657 | 3093 | C   | 0    | 0               | 0                 | 0     | 0            | 0 |
| 870729       | 2370287        | 1913  | 2521 | 2935 | C   | 0    | 0               | 0                 | 0     | 0            | 0 |
| 880929       | 2638400        | 1741  | 2290 | 2657 | C   | 0    | 0               | 0                 | 0     | 0            | 0 |
| 890914       | 2908228        | 1548  | 2029 | 2338 | C   | 0    | 0               | 0                 | 0     | 0            | 0 |
| 900922       | 3194499        | 118   | 148  | 150  | C   | 0    | 0               | 0                 | 0     | 0            | 0 |
| 910828       | 3460484        | 1169  | 1518 | 1713 | C   | 0    | 0               | 0                 | 0     | 0            | 0 |
| 920819       | 3657595        | 1231  | 1601 | 1815 | C   | 0    | 0               | 0                 | 0     | 0            | 0 |
| 930915       | 3964536        | 1000  | 1292 | 1439 | C   | 0    | 0               | 0                 | 0     | 0            | 0 |

Dwight's Energydata, Inc. DLOOK 4.20      Record # 1      Run date: 02/21/95  
 Production data from file: EMPIRE.DMP      Retrieval code: 250,015,18S29E27C00PA  
 Lease: EMPIRE A FED. COM.      Well #: 000001

| Month      | Oil<br>bbls | Cum Oil<br>bbls | Gas<br>mcf | Cum Gas<br>mcf | Water<br>bbls | No.of<br>Wells |
|------------|-------------|-----------------|------------|----------------|---------------|----------------|
| January    | 0           | 0               | 0          | 0              | 0             | 1              |
| February   | 0           | 0               | 0          | 0              | 0             | 1              |
| March      | 0           | 0               | 0          | 0              | 0             | 1              |
| April      | 0           | 0               | 0          | 0              | 0             | 1              |
| May        | 0           | 0               | 0          | 0              | 0             | 1              |
| June       | 0           | 0               | 0          | 0              | 0             | 1              |
| July       | 599         | 599             | 45053      | 45053          | 31            | 1              |
| August     | 0           | 599             | 0          | 45053          | 0             | 1              |
| September  | 537         | 1136            | 36934      | 81987          | 6             | 1              |
| October    | 851         | 1987            | 59117      | 141104         | 16            | 1              |
| November   | 899         | 2886            | 64607      | 205711         | 15            | 1              |
| December   | 850         | 3736            | 65514      | 271225         | 16            | 1              |
| Total 1980 | 3736        | 3736            | 271225     | 271225         | 84            | 1              |
| January    | 835         | 4571            | 67710      | 338935         | 14            | 1              |
| February   | 631         | 5202            | 47065      | 386000         | 10            | 1              |
| March      | 367         | 5569            | 29415      | 415415         | 8             | 1              |
| April      | 573         | 6142            | 42851      | 458266         | 10            | 1              |
| May        | 551         | 6693            | 44098      | 502364         | 18            | 1              |
| June       | 672         | 7365            | 53188      | 555552         | 17            | 1              |
| July       | 729         | 8094            | 59384      | 614936         | 18            | 1              |
| August     | 527         | 8621            | 44202      | 659138         | 14            | 1              |
| September  | 716         | 9337            | 61967      | 721105         | 17            | 1              |
| October    | 743         | 10080           | 59553      | 780658         | 16            | 1              |
| November   | 588         | 10668           | 54354      | 835012         | 19            | 1              |
| December   | 643         | 11311           | 60162      | 895174         | 16            | 1              |
| Total 1981 | 7575        | 11311           | 623949     | 895174         | 177           | 1              |
| January    | 652         | 11963           | 62342      | 957516         | 12            | 1              |
| February   | 596         | 12559           | 53742      | 1011258        | 16            | 1              |
| March      | 503         | 13062           | 47227      | 1058485        | 12            | 1              |
| April      | 554         | 13616           | 53057      | 1111542        | 14            | 1              |
| May        | 441         | 14057           | 42144      | 1153686        | 14            | 1              |
| June       | 133         | 14190           | 13079      | 1166765        | 6             | 1              |
| July       | 472         | 14662           | 42584      | 1209349        | 14            | 1              |
| August     | 511         | 15173           | 46720      | 1256069        | 15            | 1              |
| September  | 481         | 15654           | 46273      | 1302342        | 15            | 1              |
| October    | 322         | 15976           | 31140      | 1333482        | 13            | 1              |
| November   | 426         | 16402           | 42075      | 1375557        | 13            | 1              |
| December   | 256         | 16658           | 25585      | 1401142        | 11            | 1              |
| Total 1982 | 5347        | 16658           | 505968     | 1401142        | 155           | 1              |
| January    | 227         | 16885           | 23493      | 1424635        | 9             | 1              |
| February   | 161         | 17046           | 17634      | 1442269        | 6             | 1              |
| March      | 43          | 17089           | 5354       | 1447623        | 0             | 1              |
| April      | 122         | 17211           | 10859      | 1458482        | 4             | 1              |
| May        | 253         | 17464           | 24660      | 1483142        | 9             | 1              |
| June       | 75          | 17539           | 8073       | 1491215        | 2             | 1              |
| July       | 245         | 17784           | 21706      | 1512921        | 5             | 1              |

Dwight's Energydata, Inc. DLOOK 4.20 Record # 1 Run date: 02/21/95  
 Production data from file: EMPIRE.DMP Retrieval code: 250,015,18S29E27C00PA  
 Lease: EMPIRE A FED. CON. Well #: 000001

| Month      | Oil<br>bbls | Cum Oil<br>bbls | Gas<br>mcf | Cum Gas<br>mcf | Water<br>bbls | No.of<br>Wells |
|------------|-------------|-----------------|------------|----------------|---------------|----------------|
| August     | 276         | 18060           | 31622      | 1544543        | 9             | 1              |
| September  | 154         | 18214           | 14937      | 1559480        | 4             | 1              |
| October    | 208         | 18422           | 19823      | 1579303        | 6             | 1              |
| November   | 84          | 18506           | 10159      | 1589462        | 10            | 1              |
| December   | 282         | 18788           | 41639      | 1631101        | 22            | 1              |
| Total 1983 | 2130        | 18788           | 229959     | 1631101        | 86            | 1              |
| January    | 225         | 19013           | 32634      | 1663735        | 15            | 1              |
| February   | 110         | 19123           | 4313       | 1668048        | 2             | 1              |
| March      | 170         | 19293           | 19813      | 1687861        | 5             | 1              |
| April      | 58          | 19351           | 5861       | 1693722        | 10            | 1              |
| May        | 342         | 19693           | 34060      | 1727782        | 11            | 1              |
| June       | 61          | 19754           | 6298       | 1734080        | 2             | 1              |
| July       | 52          | 19806           | 5637       | 1739717        | 3             | 1              |
| August     | 103         | 19909           | 9892       | 1749609        | 4             | 1              |
| September  | 189         | 20098           | 20957      | 1770566        | 5             | 1              |
| October    | 81          | 20179           | 7477       | 1778043        | 2             | 1              |
| November   | 198         | 20377           | 22956      | 1800999        | 7             | 1              |
| December   | 167         | 20544           | 18562      | 1819561        | 5             | 1              |
| Total 1984 | 1756        | 20544           | 188460     | 1819561        | 71            | 1              |
| January    | 179         | 20723           | 23367      | 1842928        | 3             | 1              |
| February   | 98          | 20821           | 14662      | 1857590        | 5             | 1              |
| March      | 71          | 20892           | 9869       | 1867459        | 3             | 1              |
| April      | 55          | 20947           | 7343       | 1874802        | 0             | 1              |
| May        | 102         | 21049           | 11457      | 1886259        | 3             | 1              |
| June       | 60          | 21109           | 6781       | 1893040        | 3             | 1              |
| July       | 33          | 21142           | 4364       | 1897404        | 0             | 1              |
| August     | 50          | 21192           | 7622       | 1905026        | 2             | 1              |
| September  | 13          | 21205           | 2052       | 1907078        | 0             | 1              |
| October    | 22          | 21227           | 2807       | 1909885        | 0             | 1              |
| November   | 212         | 21439           | 21009      | 1930894        | 6             | 1              |
| December   | 500         | 21939           | 48777      | 1979671        | 12            | 1              |
| Total 1985 | 1395        | 21939           | 160110     | 1979671        | 37            | 1              |
| January    | 260         | 22199           | 28303      | 2007974        | 7             | 1              |
| February   | 277         | 22476           | 37715      | 2045689        | 11            | 1              |
| March      | 246         | 22722           | 33493      | 2079182        | 14            | 1              |
| April      | 337         | 23059           | 44023      | 2123205        | 24            | 1              |
| May        | 397         | 23456           | 46558      | 2169763        | 15            | 1              |
| June       | 372         | 23828           | 45170      | 2214933        | 16            | 1              |
| July       | 157         | 23985           | 19355      | 2234288        | 0             | 1              |
| August     | 287         | 24272           | 37077      | 2271365        | 13            | 1              |
| September  | 10          | 24282           | 1834       | 2273199        | 0             | 1              |
| October    | 0           | 24282           | 889        | 2274088        | 0             | 1              |
| November   | 91          | 24373           | 11349      | 2285437        | 3             | 1              |
| December   | 139         | 24512           | 18616      | 2304053        | 4             | 1              |
| Total 1986 | 2573        | 24512           | 324382     | 2304053        | 107           | 1              |



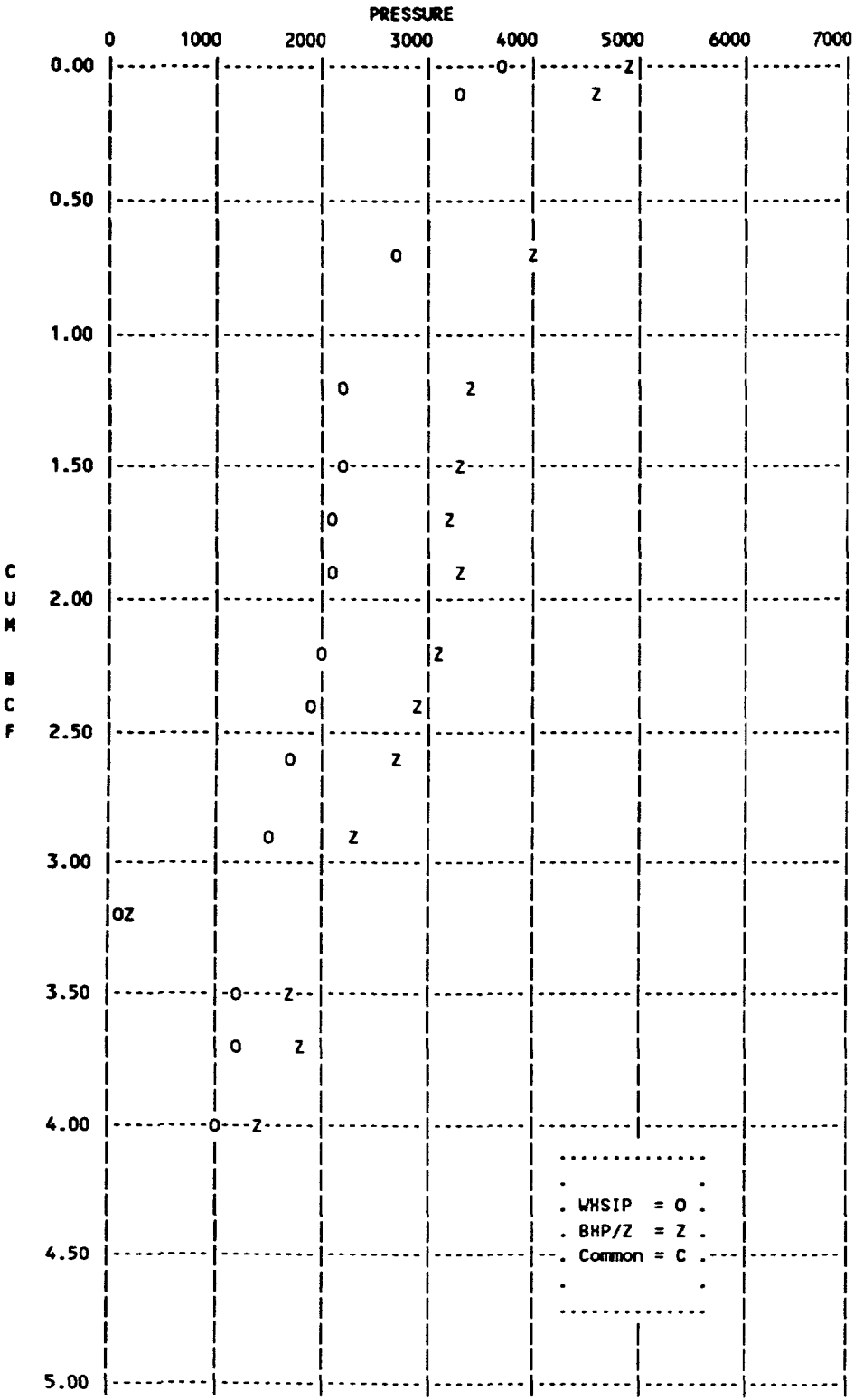
Dwight's Energydata, Inc. DLOOK 4.20 Record # 1 Run date: 02/21/95  
 Production data from file: EMPIRE.DMP Retrieval code: 250,015,18S29E27C00PA  
 Lease: EMPIRE A FED. COM. Well #: 000001

| Month      | Oil<br>bbls | Cum Oil<br>bbls | Gas<br>mcf | Cum Gas<br>mcf | Water<br>bbls | No.of<br>Wells |
|------------|-------------|-----------------|------------|----------------|---------------|----------------|
| January    | 175         | 24687           | 24510      | 2328563        | 10            | 1              |
| February   | 134         | 24821           | 19053      | 2347616        | 6             | 1              |
| March      | 112         | 24933           | 16390      | 2364006        | 8             | 1              |
| April      | 10          | 24943           | 1690       | 2365696        | 1             | 1              |
| May        | 14          | 24957           | 1413       | 2367109        | 0             | 1              |
| June       | 4           | 24961           | 1687       | 2368796        | 0             | 1              |
| July       | 11          | 24972           | 1537       | 2370333        | 0             | 1              |
| August     | 7           | 24979           | 1682       | 2372015        | 0             | 1              |
| September  | 127         | 25106           | 17814      | 2389829        | 9             | 1              |
| October    | 179         | 25285           | 24087      | 2413916        | 14            | 1              |
| November   | 191         | 25476           | 25446      | 2439362        | 9             | 1              |
| December   | 181         | 25657           | 21252      | 2460614        | 10            | 1              |
| Total 1987 | 1145        | 25657           | 156561     | 2460614        | 67            | 1              |
| January    | 253         | 25910           | 29078      | 2489692        | 14            | 1              |
| February   | 110         | 26020           | 18565      | 2508257        | 5             | 1              |
| March      | 102         | 26122           | 12976      | 2521233        | 7             | 1              |
| April      | 180         | 26302           | 26655      | 2547888        | 12            | 1              |
| May        | 177         | 26479           | 25437      | 2573325        | 10            | 1              |
| June       | 178         | 26657           | 21787      | 2595112        | 8             | 1              |
| July       | 66          | 26723           | 9475       | 2604587        | 3             | 1              |
| August     | 196         | 26919           | 24159      | 2628746        | 12            | 1              |
| September  | 72          | 26991           | 9953       | 2638699        | 4             | 1              |
| October    | 259         | 27250           | 34502      | 2673201        | 10            | 1              |
| November   | 101         | 27351           | 19577      | 2692778        | 10            | 1              |
| December   | 168         | 27519           | 27427      | 2720205        | 0             | 1              |
| Total 1988 | 1862        | 27519           | 259591     | 2720205        | 95            | 1              |
| January    | 9           | 27528           | 1583       | 2721788        | 0             | 1              |
| February   | 102         | 27630           | 19933      | 2741721        | 0             | 1              |
| March      | 156         | 27786           | 28686      | 2770407        | 5             | 1              |
| April      | 172         | 27958           | 28267      | 2798674        | 5             | 1              |
| May        | 322         | 28280           | 45291      | 2843965        | 2             | 1              |
| June       | 140         | 28420           | 22585      | 2866550        | 0             | 1              |
| July       | 101         | 28521           | 16818      | 2883368        | 0             | 1              |
| August     | 126         | 28647           | 16827      | 2900195        | 0             | 1              |
| September  | 130         | 28777           | 17091      | 2917286        | 0             | 1              |
| October    | 192         | 28969           | 25097      | 2942383        | 0             | 1              |
| November   | 226         | 29195           | 30121      | 2972504        | 0             | 1              |
| December   | 165         | 29360           | 25155      | 2997659        | 0             | 1              |
| Total 1989 | 1841        | 29360           | 277454     | 2997659        | 12            | 1              |
| January    | 9           | 29369           | 2341       | 3000000        | 0             | 1              |
| February   | 153         | 29522           | 22205      | 3022205        | 0             | 1              |
| March      | 131         | 29653           | 21157      | 3043362        | 0             | 1              |
| April      | 158         | 29811           | 21853      | 3065215        | 0             | 1              |
| May        | 164         | 29975           | 28047      | 3093262        | 0             | 1              |
| June       | 133         | 30108           | 26038      | 3119300        | 0             | 1              |
| July       | 204         | 30312           | 28732      | 3148032        | 0             | 1              |

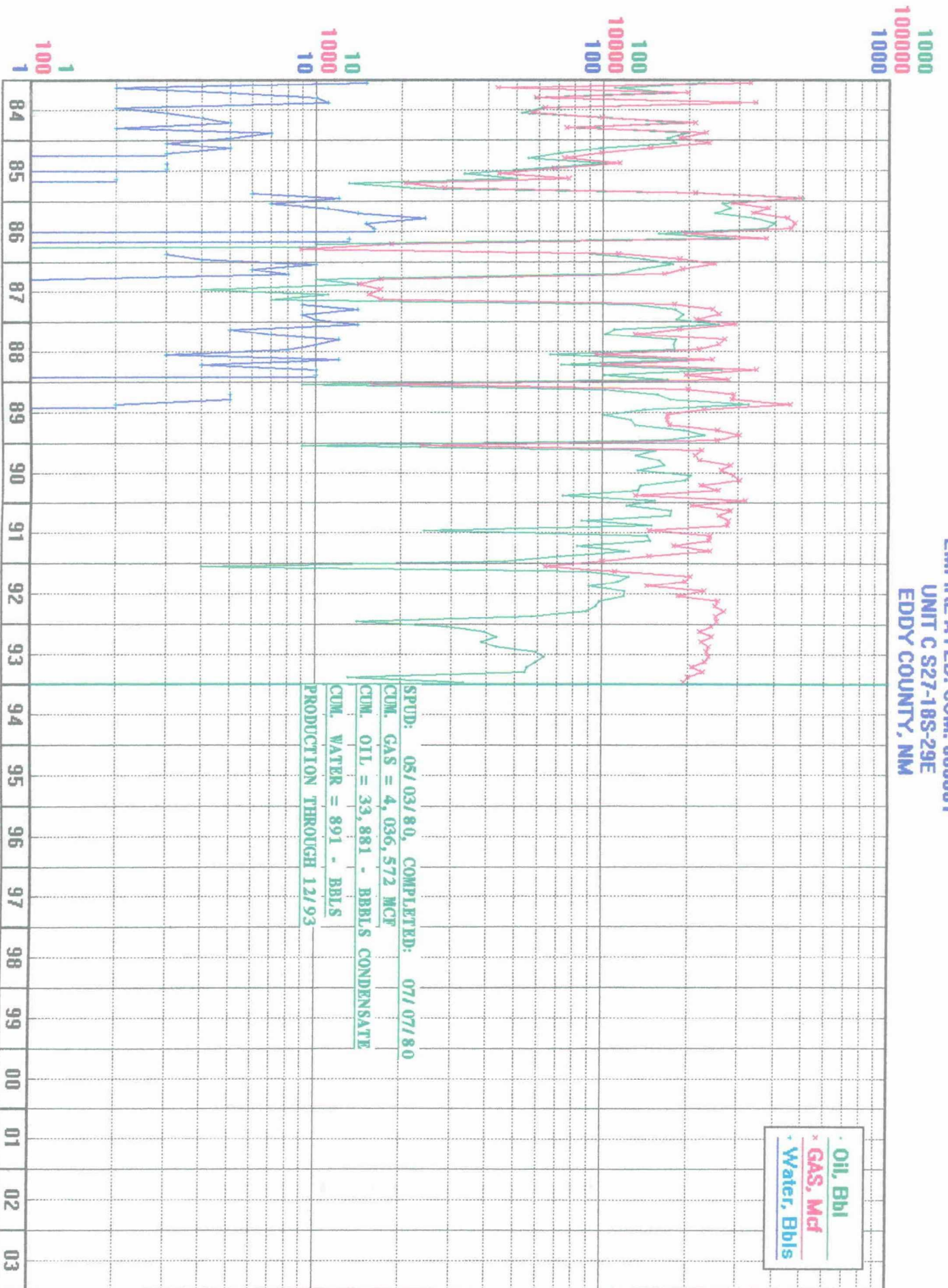
Dwight's Energydata, Inc. DLOOK 4.20      Record # 1      Run date: 02/21/95  
 Production data from file: EMPIRE.DMP      Retrieval code: 250,015,18S29E27C00PA  
 Lease: EMPIRE A FED. COM.      Well #: 000001

| Month      | Oil<br>bbls | Cum Oil<br>bbls | Gas<br>mcf | Cum Gas<br>mcf | Water<br>bbls | No.of<br>Wells |
|------------|-------------|-----------------|------------|----------------|---------------|----------------|
| August     | 194         | 30506           | 30305      | 3178337        | 0             | 1              |
| September  | 136         | 30642           | 22140      | 3200477        | 0             | 1              |
| October    | 133         | 30775           | 25447      | 3225924        | 0             | 1              |
| November   | 73          | 30848           | 13121      | 3239045        | 0             | 1              |
| December   | 152         | 31000           | 31736      | 3270781        | 0             | 1              |
| Total 1990 | 1640        | 31000           | 273122     | 3270781        | 0             | 1              |
| January    | 122         | 31122           | 20590      | 3291371        | 0             | 1              |
| February   | 174         | 31296           | 28017      | 3319388        | 0             | 1              |
| March      | 172         | 31468           | 25624      | 3345012        | 0             | 1              |
| April      | 85          | 31553           | 27615      | 3372627        | 0             | 1              |
| May        | 149         | 31702           | 27377      | 3400004        | 0             | 1              |
| June       | 24          | 31726           | 14581      | 3414585        | 0             | 1              |
| July       | 144         | 31870           | 23823      | 3438408        | 0             | 1              |
| August     | 147         | 32017           | 23738      | 3462146        | 0             | 1              |
| September  | 82          | 32099           | 17805      | 3479951        | 0             | 1              |
| October    | 124         | 32223           | 23899      | 3503850        | 0             | 1              |
| November   | 72          | 32295           | 14638      | 3518488        | 0             | 1              |
| December   | 46          | 32341           | 10008      | 3528496        | 0             | 1              |
| Total 1991 | 1341        | 32341           | 257715     | 3528496        | 0             | 1              |
| January    | 4           | 32345           | 6371       | 3534867        | 0             | 1              |
| February   | 89          | 32434           | 11088      | 3545955        | 0             | 1              |
| March      | 124         | 32558           | 20373      | 3566328        | 0             | 1              |
| April      | 114         | 32672           | 19576      | 3585904        | 0             | 1              |
| May        | 90          | 32762           | 14377      | 3600281        | 0             | 1              |
| June       | 120         | 32882           | 22795      | 3623076        | 0             | 1              |
| July       | 119         | 33001           | 18498      | 3641574        | 0             | 1              |
| August     | 98          | 33099           | 25430      | 3667004        | 0             | 1              |
| September  | 95          | 33194           | 24861      | 3691865        | 0             | 1              |
| October    | 88          | 33282           | 26686      | 3718551        | 0             | 1              |
| November   | 57          | 33339           | 24942      | 3743493        | 0             | 1              |
| December   | 14          | 33353           | 25171      | 3768664        | 0             | 1              |
| Total 1992 | 1012        | 33353           | 240168     | 3768664        | 0             | 1              |
| January    | 29          | 33382           | 24123      | 3792787        | 0             | 1              |
| February   | 39          | 33421           | 21985      | 3814772        | 0             | 1              |
| March      | 43          | 33464           | 24087      | 3838859        | 0             | 1              |
| April      | 38          | 33502           | 22273      | 3861132        | 0             | 1              |
| May        | 43          | 33545           | 23554      | 3884686        | 0             | 1              |
| June       | 59          | 33604           | 23152      | 3907838        | 0             | 1              |
| July       | 63          | 33667           | 23558      | 3931396        | 0             | 1              |
| August     | 59          | 33726           | 22847      | 3954243        | 0             | 1              |
| September  | 55          | 33781           | 20586      | 3974829        | 0             | 1              |
| October    | 54          | 33835           | 22445      | 3997274        | 0             | 1              |
| November   | 13          | 33848           | 19986      | 4017260        | 0             | 1              |
| December   | 33          | 33881           | 19312      | 4036572        | 0             | 1              |
| Total 1993 | 528         | 33881           | 267908     | 4036572        | 0             | 1              |

Dwight's Energydata, Inc. DLOOK 4.20      Record # 1      Run date: 02/21/95  
Gas test data from file: EMPIRE.DMP      Retrieval code: 250,015,18S29E27C00PA  
Lease: EMPIRE A FED. COM.      Well #: 000001  
Field: TURKEY TRACK (ATOKA) PA      Reservoir: ATOKA  
Operator: SOUTHLAND ROYALTY CO      Gas cum: 4036572

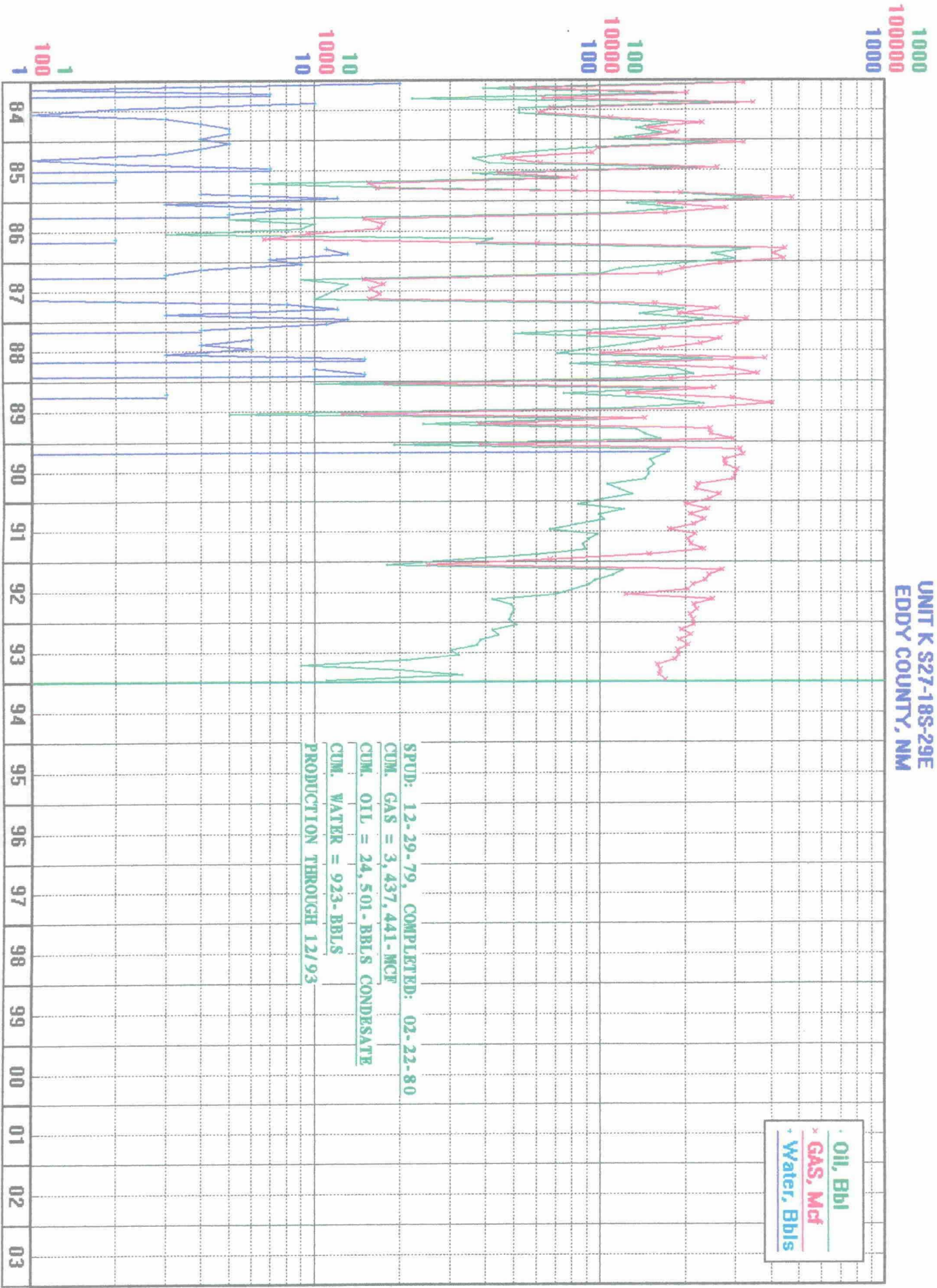


EMPIRE A FED. COM. 000001  
UNIT C S27-18S-29E  
EDDY COUNTY, NM





EMPIRE FEDERAL COM. 000001  
UNIT K S27-18S-29E  
EDDY COUNTY, NM



**MYCO INDUSTRIES, INC.  
P O BOX 840  
ARTESIA, NM 88211-0840**

**NMOCD CASE #11190  
MARCH 2, 1995**

**EXHIBIT III**

**MYCO INDUSTRIES INC.  
BEFORE EXAMINER CATANACH  
NMOCD CASE NO. 11190  
DATE: 03/02/95  
EXHIBIT NO. 14**

EXHIBIT III is a summary of the gas production for both wells through the 1993 Year (Col I), The estimated 1994 gas production (Col II) and the Total estimated gas production through the 1994 Year (Col III):

|                        | (I)<br>'93 Yr End<br><u>Cum MCF</u> | (II)<br>Production<br><u>Est '94 MCF</u> | (III)<br>Total Est Prod<br><u>thru 1994 MCF</u> |
|------------------------|-------------------------------------|------------------------------------------|-------------------------------------------------|
| Empire "A" Fed Com 1-C | 4,036,572                           | 250,000                                  | 4,286,572                                       |
| Empire Fed Com 1-K     | 3,437,441                           | 250,000                                  | 3,687,441                                       |
|                        | -----                               | -----                                    | -----                                           |
| TOTALS.....            | 7,474,013                           | 500,000                                  | 7,974,013-MCF                                   |

**MYCO INDUSTRIES, INC.  
P O BOX 840  
ARTESIA, NM 88211-0840**

**NMOCD CASE #11190  
MARCH 2, 1995**

**EXHIBIT IV**

**MYCO INDUSTRIES INC.  
BEFORE EXAMINER CATANACH  
NMOCD CASE NO. 11190  
DATE: 03/02/95  
EXHIBIT NO. 15**



Cullender-Smith Technique (modified)  
Calculate BHP from reported WHSIP  
Plot BHP/Z-vs-Cum

WELL NAME:

GAS GRAVITY:

CONDENSATE (YES=1):

RESERVOIR TEMP:

SURFACE TEMP:

DEPTH OF ZONE:

ABAND. PRESSURE:

MYCO Industries, Inc.  
Nelson Muncy, PELS  
5-Jan-95

Southland Royalty Co.

EMPIRE FED COM 1-K

0.64

1

160 F

80 F

10,700 Feet

100 Psia

Pc = 668.37

Tc = 368.91

| TEST DATE     | CUM GAS mcf | SURFACE PRES psia | BHP psia | Z      | BHP/Z |
|---------------|-------------|-------------------|----------|--------|-------|
| Aug-81        | 343,134     | 2,528             | 3,316    | 0.8792 | 3,772 |
| Jun-83        | 1,088,086   | 2,071             | 2,726    | 0.8597 | 3,171 |
| Jun-84        | 1,317,290   | 1,928             | 2,537    | 0.8568 | 2,961 |
| Jun-85        | 1,489,313   | 1,954             | 2,572    | 0.8572 | 3,000 |
| Jul-86        | 1,645,606   | 2,020             | 2,659    | 0.8585 | 3,097 |
| Jul-87        | 1,849,831   | 1,823             | 2,397    | 0.8558 | 2,801 |
| Sep-88        | 2,123,585   | 1,603             | 2,102    | 0.8573 | 2,452 |
| Sep-89        | 2,355,422   | 1,566             | 2,052    | 0.8581 | 2,392 |
| Sep-90        | 2,662,159   | 1,386             | 1,810    | 0.8639 | 2,095 |
| Aug-91        | 2,907,601   | 1,205             | 1,566    | 0.8734 | 1,793 |
| Aug-92        | 3,121,090   | 1,051             | 1,359    | 0.8842 | 1,537 |
| Sep-93        | 3,380,135   | 942               | 1,214    | 0.8931 | 1,359 |
| CALC ORIG GIP | 5,314,059   |                   |          |        |       |

5,183,313 MCF CALC TOTAL REC GIP AT 100-PSIG ABANDONMENT

5,183,313-MCF Total Rec GIP at 100-PSIG

Less: (3,388,071-MCF Actual thru Sep'93) + (49,370-MCF Actual Oct-Dec'93) + (250,000-MCF Est 1994 Prod) = 1,495,872-MCF Remaining Rec GIP on 1-1-95 at 100-psig abandonment.

**MYCO INDUSTRIES, INC.  
P O BOX 840  
ARTESIA, NM 88211-0840**

**NMOCD CASE #11190  
MARCH 2, 1995**

**EXHIBIT V**

**MYCO INDUSTRIES INC.  
BEFORE EXAMINER CATANACH  
NMOCD CASE NO. 11190  
DATE: 03/02/95  
EXHIBIT NO. 16**

Cullender-Smith Technique (modified)  
Calculate BHP from reported WHSIP  
Plot BHP/Z-vs-Cum

GAS GRAVITY:  
CONDENSATE (YES=1):  
RESERVOIR TEMP:  
SURFACE TEMP:  
DEPTH OF ZONE:  
ABAND. PRESSURE:

SOUTHLAND ROYALTY CO.  
EMPIRE A FED COM 1-C  
S27-T18S-R29E EDDY CO.  
0.64  
1  
160 F  
80 F  
10,742 Feet  
100 Psia

NELSON MUNCY, PELS  
MYCO INDUSTRIES, INC  
5-Jan-95

Pc = 668.37  
Tc = 368.91

| TEST DATE | CUM GAS<br>mcf | REPORTED             |             | Z      | BHP/Z |
|-----------|----------------|----------------------|-------------|--------|-------|
|           |                | SURFACE PRES<br>psia | BHP<br>psia |        |       |
| Jul-80    |                |                      |             |        |       |
| Oct-80    | 115,684        | 3,728                | 4,776       | 0.9703 | 4,922 |
| Aug-81    | 651,624        | 3,292                | 4,260       | 0.9333 | 4,565 |
| Aug-82    | 1,224,767      | 2,693                | 3,528       | 0.8893 | 3,967 |
| Jun-83    | 1,485,322      | 2,238                | 2,947       | 0.8654 | 3,406 |
| Jun-84    | 1,729,042      | 2,193                | 2,889       | 0.8637 | 3,345 |
| Jul-85    | 1,896,400      | 2,083                | 2,745       | 0.8601 | 3,191 |
| Jul-86    | 2,222,675      | 2,129                | 2,805       | 0.8615 | 3,256 |
| Jul-87    | 2,370,287      | 2,015                | 2,655       | 0.8584 | 3,093 |
| Sep-88    | 2,638,400      | 1,913                | 2,520       | 0.8566 | 2,942 |
| Sep-89    | 2,908,228      | 1,741                | 2,290       | 0.8558 | 2,676 |
| Sep-90    | 3,194,499      | 1,548                | 2,030       | 0.8585 | 2,365 |
| Aug-91    | 3,460,484      | 1,359                | 1,775       | 0.8651 | 2,052 |
| Aug-92    | 3,657,595      | 1,169                | 1,519       | 0.8757 | 1,735 |
| Sep-93    | 3,964,536      | 1,231                | 1,603       | 0.8718 | 1,838 |
|           | 5,841,713      | 1,000                | 1,293       | 0.8882 | 1,455 |

**CALC ORIG GIP**

5,716,498 MCF CALC TOTAL REC GIP AT 100-PSIG ABANDON

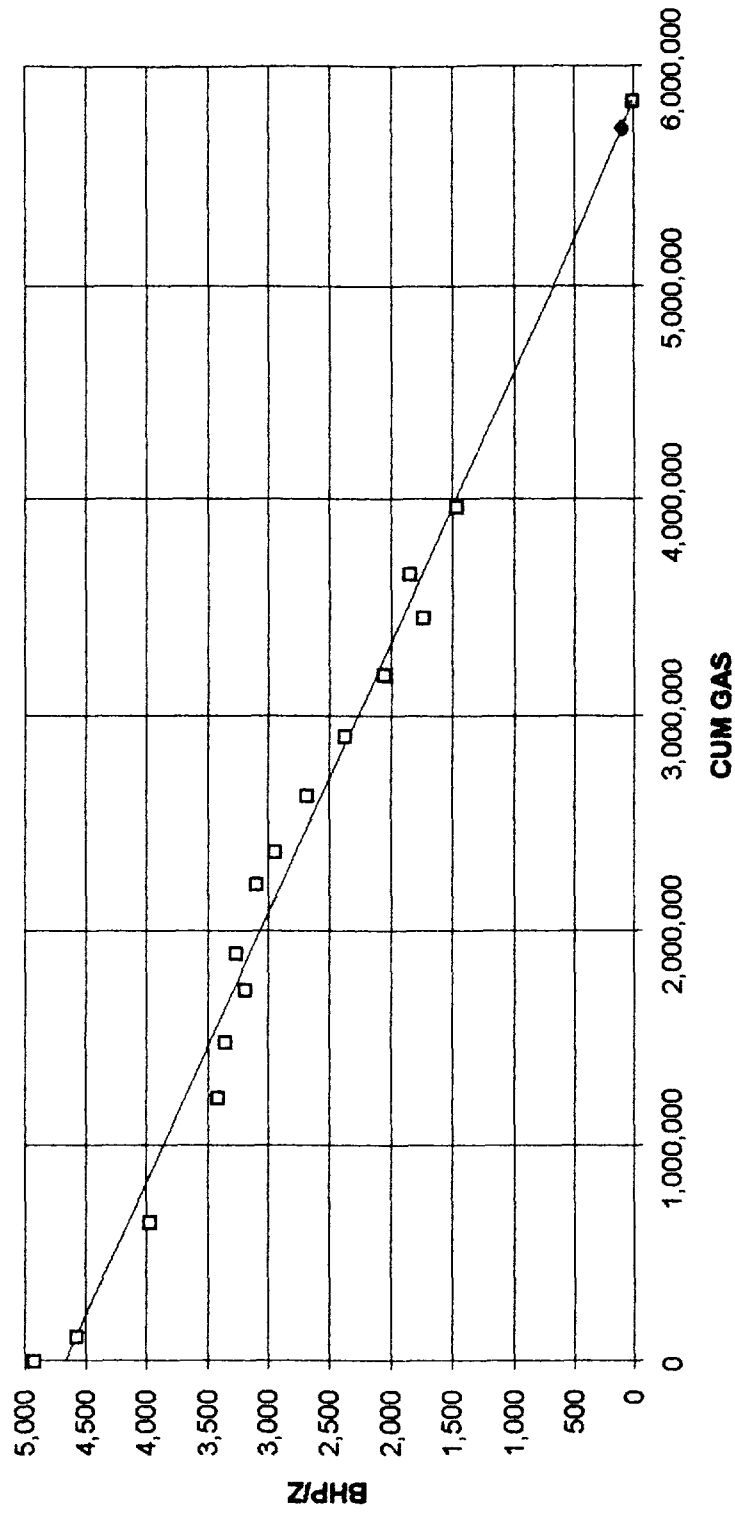
**5,716,498-MCF Total Rec GIP at 100-PSIG**  
**Less: (3,974,829-MCF Actual thru Sep'93) + (61,743-MCF Actual Oct-Dec'93) + (250,000-MCF Est 1994 Prod) = 1,429,926-MCF**  
**Remaining Rec GIP on 1-1-95 at 100-PSIG abandonment**

**MYCO INDUSTRIES, INC.  
P O BOX 840  
ARTESIA, NM 88211-0840**

**NMOCD CASE #11190  
MARCH 2, 1995**

**EXHIBIT VI**

**MYCO INDUSTRIES INC.  
BEFORE EXAMINER CATANACH  
NMOCD CASE NO. 11190  
DATE: 03/02/95  
EXHIBIT NO. 17**

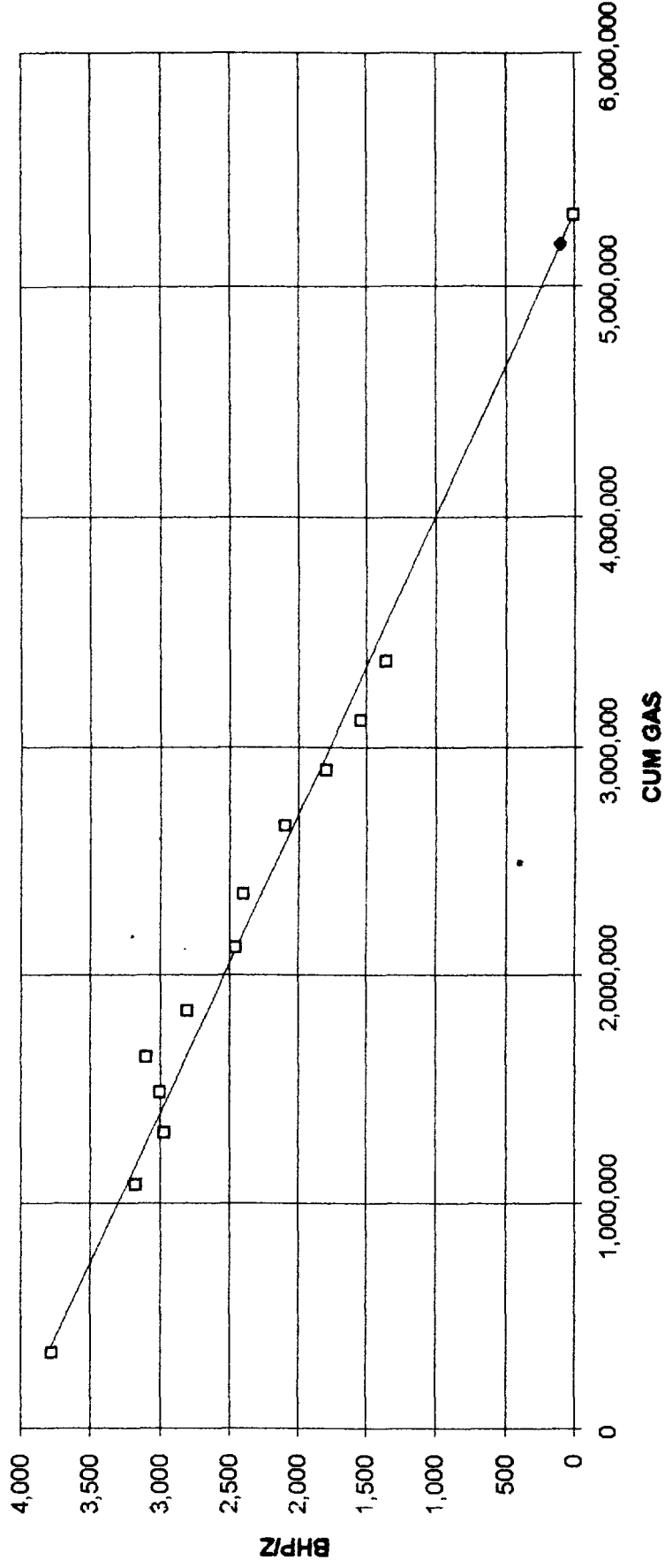


**MYCO INDUSTRIES, INC.  
P O BOX 840  
ARTESIA, NM 88211-0840**

**NMOCD CASE #11190  
MARCH 2, 1995**

**EXHIBIT VII**

**MYCO INDUSTRIES INC.  
BEFORE EXAMINER CATANACH  
NMOCD CASE NO. 11190  
DATE: 03/02/95  
EXHIBIT NO. 18**



MYCO Industries, Inc.  
Nelson Muncy, PEELS  
January 5, 1995

SOUTHLAND ROYALTY CO.

Empire Federal Com 1-K  
S27-T18S-R29E  
Eddy County, NM

**MYCO INDUSTRIES, INC.  
P O BOX 840  
ARTESIA, NM 88211-0840**

**NMOCD CASE #11190  
MARCH 2, 1995**

**EXHIBIT VIII**

**MYCO INDUSTRIES INC.  
BEFORE EXAMINER CATANACH  
NMOCD CASE NO. 11190  
DATE: 03/02/95  
EXHIBIT NO. 19**



REFLEX FED #1  
EDDY COUNTY, NM  
MYCO INDUSTRIES, INC

DATE: 02/22/95  
TIME: 09:53:53  
FILE: TEST  
GET#: 3

RESERVES AND ECONOMICS

AS OF JANUARY 1, 1995

| -END-<br>MO-YR                  | ---GROSS PRODUCTION--- |           | ---NET PRODUCTION--- |                          | ---PRICES--- |          | ---OPERATIONS, M\$--- |                  | CAPITAL<br>COSTS, M\$ | CASH FLOW<br>BTAX, M\$ | 10.00 PCT<br>CUM. DISC<br>BTAX, M\$ |  |
|---------------------------------|------------------------|-----------|----------------------|--------------------------|--------------|----------|-----------------------|------------------|-----------------------|------------------------|-------------------------------------|--|
|                                 | OIL, MMBL              | GAS, MMBL | OIL, MMBL            | GAS, MMBL                | OIL \$/B     | GAS \$/M | NET OPER<br>REVENUES  | SEV+ADV<br>TAXES |                       |                        |                                     |  |
| 12-95                           | 1.906                  | 244.384   | .429                 | 54.986                   | 15.00        | 1.45     | 86.165                | 7.910            | 211.485               | -136.103               | -139.584                            |  |
| 12-96                           | 1.487                  | 190.620   | .335                 | 42.890                   | 15.00        | 1.45     | 67.216                | 6.170            | .000                  | 58.173                 | -89.141                             |  |
| 12-97                           | 1.160                  | 148.683   | .261                 | 33.454                   | 15.00        | 1.45     | 52.423                | 4.813            | .000                  | 44.737                 | -53.876                             |  |
| 12-98                           | .904                   | 115.973   | .203                 | 26.094                   | 15.00        | 1.45     | 40.881                | 3.754            | .000                  | 34.254                 | -29.329                             |  |
| 12-99                           | .706                   | 90.459    | .159                 | 20.353                   | 15.00        | 1.45     | 31.897                | 2.928            | .000                  | 26.096                 | -12.328                             |  |
| 12- 0                           | .550                   | 70.558    | .124                 | 15.876                   | 15.00        | 1.45     | 24.880                | 2.285            | .000                  | 19.722                 | -.648                               |  |
| 12- 1                           | .430                   | 55.035    | .097                 | 12.383                   | 15.00        | 1.45     | 19.410                | 1.782            | .000                  | 14.755                 | 7.296                               |  |
| 12- 2                           | .334                   | 42.927    | .075                 | 9.659                    | 15.00        | 1.45     | 15.131                | 1.389            | .000                  | 10.869                 | 12.616                              |  |
| 12- 3                           | .057                   | 7.306     | .013                 | 1.644                    | 15.00        | 1.45     | 2.579                 | .237             | .000                  | 1.773                  | 13.435                              |  |
| S TOT                           | 7.534                  | 965.945   | 1.696                | 217.339                  | 15.00        | 1.45     | 340.582               | 31.268           | 211.485               | 74.276                 | 13.435                              |  |
| REM.                            | .000                   | .000      | .000                 | .000                     | .00          | .00      | .000                  | .000             | .000                  | .000                   | 13.435                              |  |
| TOTAL                           | 7.534                  | 965.945   | 1.696                | 217.339                  | 15.00        | 1.45     | 340.582               | 31.268           | 211.485               | 74.276                 | 13.435                              |  |
| CUM.                            | .000                   | .000      |                      | NET OIL REVENUES (M\$)   |              |          |                       | 25.440           |                       |                        |                                     |  |
| ULT.                            | 7.534                  | 965.945   |                      | NET GAS REVENUES (M\$)   |              |          |                       | 315.142          |                       |                        |                                     |  |
|                                 |                        |           |                      | TOTAL REVENUES (M\$)     |              |          |                       | 340.582          |                       |                        |                                     |  |
| -----PRESENT WORTH PROFILE----- |                        |           |                      |                          |              |          |                       |                  |                       |                        |                                     |  |
| BTAX RATE OF RETURN (PCT)       |                        |           | 13.06                | PROJECT LIFE (YEARS)     |              |          | 8.198                 |                  | 74.276                | 30.0                   | -51.689                             |  |
| BTAX PAYOUT YEARS               |                        |           | 3.97                 | DISCOUNT RATE (PCT)      |              |          | 10.000                |                  | 59.576                | 35.0                   | -61.906                             |  |
| BTAX PAYOUT YEARS (DISC)        |                        |           | 6.08                 | GROSS OIL WELLS          |              |          | .000                  |                  | 40.160                | 40.0                   | -70.671                             |  |
| BTAX NET INCOME/INVEST          |                        |           | 1.35                 | GROSS GAS WELLS          |              |          | 1.000                 |                  | 23.385                | 45.0                   | -78.269                             |  |
| BTAX NET INCOME/INVEST (DISC)   |                        |           | 1.06                 | GROSS WELLS              |              |          | 1.000                 |                  | 13.435                | 50.0                   | -84.913                             |  |
| INITIAL W.I. FRACTION           |                        |           | .300000              | INITIAL NET OIL FRACTION |              |          |                       | .225000          | 4.337                 | 60.0                   | -95.974                             |  |
| FINAL W.I. FRACTION             |                        |           | .300000              | FINAL NET OIL FRACTION   |              |          |                       | .225000          | -7.922                | 70.0                   | -104.806                            |  |
| PRODUCTION START DATE           |                        |           | 1- 1-95              | INITIAL NET GAS FRACTION |              |          |                       | .225000          | -18.755               | 80.0                   | -112.022                            |  |
| MONTHS IN FIRST LINE            |                        |           | 12.00                | FINAL NET GAS FRACTION   |              |          |                       | .225000          | -25.296               | 90.0                   | -118.030                            |  |
|                                 |                        |           |                      |                          |              |          |                       |                  | -39.655               | 100.0                  | -123.115                            |  |

