

- YESO
- WOLFCAMP
- CISCO-CANYON
- STRAWN
- ATOKA
- MORROW

EST. ULTIMATE RECOVERY - CUM. THRU 12/83
LATEST DAILY PROD 12/83

PRODUCTION FIGURES ON GAS AND
CISCO - CANYON PRODUCERS ONLY

BEFORE THE
OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

Case No. 8234 Exhibit No. 4

Submitted by Anadarko

Hearing Date 8/1/84

Anadarko
Production Company

DAGGER DRAW, N. SWD PROJECT
EDDY CO., NEW MEXICO

PRODUCTION MAP

Interpretation By: R. A. ERICKSON

Date: 4/84 Scale: 1" = 4000'



May 30, 1984

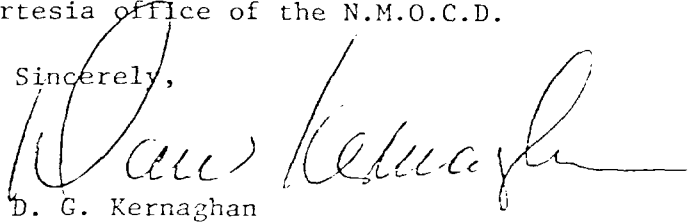
Mr. Tom Kellahin
117 North Guadalupe
El Padio Building
Santa Fe, New Mexico 87504

Dear Tom:

Enclosed are two copies of the C-108 and attachments for our Dagger
Draw SWD Well #1 application.

A copy has been sent to the Artesia office of the N.M.O.C.D.

Sincerely,



D. G. Kernaghan

DGK/dkn

encl.

DEFENSE TIME	
OIL CONSERVATION COMMISSION	
Santa Fe, New Mexico	
Case No. <u>8234</u>	Index No. <u>5</u>
Submitted by <u>ANADARKO</u>	
Hearing Date <u>5/1/84</u>	

PS Form 3811, Jan 1979

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

1. The following service is requested (check one.)
☐ Show to whom and date delivered.
☐ Show to whom, date and address of delivery.
☐ RESTRICTED DELIVERY
 Show to whom and date delivered.
☐ RESTRICTED DELIVERY.
 Show to whom, date, and address of delivery.\$

(CONSULT POSTMASTER FOR FEES)

2. ARTICLE ADDRESSED TO:
 Reading & Bates Oil & Gas
 409 S. Boston Ave.
 Tulsa, Oklahoma 74103

3. ARTICLE DESCRIPTION:
 REGISTERED NO. CERTIFIED NO. INSURED NO.
 (Always obtain signature of addressee or agent)

I have received the article described above.
 SIGNATURE ☐ Addressee ☐ Authorized agent

4. DATE OF DELIVERY
 6-1-84

5. ADDRESS (Complete only if requested)

6. UNABLE TO DELIVER BECAUSE:

CLERK'S INITIALS

POSTMARK: TULSA OK JUN 1 1984

RETURN RECEIPT, REGISTERED, INSURED AND CERTIFIED MAIL

☆ GPO : 1979-288-848

PS Form 3811, Jan 1979

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

1. The following service is requested (check one.)
☐ Show to whom and date delivered.
☐ Show to whom, date and address of delivery.
☐ RESTRICTED DELIVERY
 Show to whom and date delivered.
☐ RESTRICTED DELIVERY.
 Show to whom, date, and address of delivery.\$

(CONSULT POSTMASTER FOR FEES)

2. ARTICLE ADDRESSED TO:
 Mary Elaine Cribbs
 231 East Iliff Ave. 1/2
 Denver, Colorado 80210

3. ARTICLE DESCRIPTION:
 REGISTERED NO. CERTIFIED NO. INSURED NO.
 (Always obtain signature of addressee or agent)

I have received the article described above.
 SIGNATURE ☐ Addressee ☐ Authorized agent

4. DATE OF DELIVERY

5. ADDRESS (Complete only if requested)

6. UNABLE TO DELIVER BECAUSE:

CLERK'S INITIALS

RETURN RECEIPT, REGISTERED, INSURED AND CERTIFIED MAIL

PS Form 3811, Jan 1979

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

1. The following service is requested (check one.)
☐ Show to whom and date delivered.
☒ Show to whom, date and address of delivery... 25¢
☐ RESTRICTED DELIVERY
 Show to whom and date delivered.
☐ RESTRICTED DELIVERY.
 Show to whom, date, and address of delivery.\$

(CONSULT POSTMASTER FOR FEES)

2. ARTICLE ADDRESSED TO:
 Yates Petroleum Corp.
 207 South 4th
 Artesia, New Mexico 88201

3. ARTICLE DESCRIPTION:
 REGISTERED NO. CERTIFIED NO. INSURED NO.
 538 4913
 (Always obtain signature of addressee or agent)

I have received the article described above.
 SIGNATURE ☐ Addressee ☒ Authorized agent

4. DATE OF DELIVERY
 6-1-84

5. ADDRESS (Complete only if requested)

6. UNABLE TO DELIVER BECAUSE:

CLERK'S INITIALS

RETURN RECEIPT, REGISTERED, INSURED AND CERTIFIED MAIL

☆ GPO : 1979-288-848

PS Form 3811, Jan 1979

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☒ Show to whom and date delivered.
☒ Show to whom, date and address of delivery... 25¢
☐ RESTRICTED DELIVERY
 Show to whom and date delivered.
☐ RESTRICTED DELIVERY.
 Show to whom, date, and address of delivery.\$

(CONSULT POSTMASTER FOR FEES)

2. ARTICLE ADDRESSED TO:
 A.J. Antweil
 814 W. Marland
 Hobbs, New Mexico 88240

3. ARTICLE DESCRIPTION:
 REGISTERED NO. CERTIFIED NO. INSURED NO.
 (Always obtain signature of addressee or agent)

I have received the article described above.
 SIGNATURE ☐ Addressee ☒ Authorized agent

4. DATE OF DELIVERY
 5-31-84

5. ADDRESS (Complete only if requested)

6. UNABLE TO DELIVER BECAUSE:

CLERK'S INITIALS

RETURN RECEIPT, REGISTERED, INSURED AND CERTIFIED MAIL

☆ GPO : 1979-288-848

BEFORE THE
 OIL CONSERVATION COMMISSION
 Santa Fe, New Mexico
 Case No. 8234 Exhibit No. 5-A
 Submitted by ANADARKO
 Hearing Date 8/1/84

PS Form 3811, Jan. 1979

1. The following service is requested (check one.)
☒ Show to whom and date delivered.
☐ Show to whom, date and address of delivery.
☐ RESTRICTED DELIVERY
Show to whom and date delivered.
☐ RESTRICTED DELIVERY.
Show to whom, date, and address of delivery.
(CONSULT POSTMASTER FOR FEES)

2. ARTICLE ADDRESSED TO:
Marshall & Winston, Inc.
P. O. Box 874
Midland, Texas 79702

3. ARTICLE DESCRIPTION:
REGISTERED NO. CERTIFIED NO. INSURED NO.
5384963
(Always obtain signature of addressee or agent)

I have received the article described above.
SIGNATURE ☐ Addressee ☐ Authorized agent
J. Topf

4. DATE OF DELIVERY 6-1-84 POSTMARK

5. ADDRESS (Complete only if requested)

6. UNABLE TO DELIVER BECAUSE: CLERK'S INITIALS

☆ GPO : 1979-288-848

PS Form 3811, Jan. 1979

1. The following service is requested (check one.)
☐ Show to whom and date delivered.
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☐ RESTRICTED DELIVERY
Show to whom and date delivered.
☐ RESTRICTED DELIVERY.
Show to whom, date, and address of delivery.
(CONSULT POSTMASTER FOR FEES)

2. ARTICLE ADDRESSED TO:
Conoco, Inc.
P. O. Box 1959
Midland, Texas 79702

3. ARTICLE DESCRIPTION:
REGISTERED NO. CERTIFIED NO. INSURED NO.
5384960
(Always obtain signature of addressee or agent)

I have received the article described above.
SIGNATURE ☐ Addressee ☐ Authorized agent
G. H. L. L.

4. DATE OF DELIVERY 5-31-84 POSTMARK MAY 31 1984

5. ADDRESS (Complete only if requested)

6. UNABLE TO DELIVER BECAUSE: CLERK'S INITIALS

☆ GPO : 1979-288-848

PS Form 3811, Jan. 1979

1. The following service is requested (check one.)
☐ Show to whom and date delivered.
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☐ RESTRICTED DELIVERY
Show to whom and date delivered.
☐ RESTRICTED DELIVERY.
Show to whom, date, and address of delivery.
(CONSULT POSTMASTER FOR FEES)

2. ARTICLE ADDRESSED TO:
D.E. Blackmar
1407 Highland Road
Roswell, New Mexico 88201

3. ARTICLE DESCRIPTION:
REGISTERED NO. CERTIFIED NO. INSURED NO.
5384962
(Always obtain signature of addressee or agent)

I have received the article described above.
SIGNATURE ☐ Addressee ☐ Authorized agent
D. E. Blackmar

4. DATE OF DELIVERY 5-31-84 POSTMARK MAY 31 1984

5. ADDRESS (Complete only if requested)

6. UNABLE TO DELIVER BECAUSE: CLERK'S INITIALS

☆ GPO : 1979-288-848

PS Form 3811, Jan. 1979

1. The following service is requested (check one.)
☐ Show to whom and date delivered.
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☐ RESTRICTED DELIVERY
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☐ RESTRICTED DELIVERY.
Show to whom, date, and address of delivery.
(CONSULT POSTMASTER FOR FEES)

2. ARTICLE ADDRESSED TO:
Flag-Redfern Oil Company
P. O. Box 2280
Midland, Texas 79702

3. ARTICLE DESCRIPTION:
REGISTERED NO. CERTIFIED NO. INSURED NO.
5384992
(Always obtain signature of addressee or agent)

I have received the article described above.
SIGNATURE ☐ Addressee ☐ Authorized agent
Kathy F.

4. DATE OF DELIVERY POSTMARK

5. ADDRESS (Complete only if requested)

6. UNABLE TO DELIVER BECAUSE: CLERK'S INITIALS

☆ GPO : 1979-288-848

PS Form 3811, Jan. 1979

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

1. The following service is requested (check one.)
☐ Show to whom and date delivered.
☒ Show to whom, date and address of delivery.
☐ RESTRICTED DELIVERY
Show to whom and date delivered.
☐ RESTRICTED DELIVERY.
Show to whom, date, and address of delivery. \$

(CONSULT POSTMASTER FOR FEES)

2. ARTICLE ADDRESSED TO:
Crown Central Petroleum Corp.
731 West Wadley, Bldg. K, Suite 200
Midland, Texas 79701

3. ARTICLE DESCRIPTION:
REGISTERED NO. CERTIFIED NO. INSURED NO.
5384941

(Always obtain signature of addressee or agent)

I have received the article described above.
SIGNATURE ☐ Addressee ☐ Authorized agent

4. DATE OF DELIVERY POSTMARK

5. ADDRESS (Complete only if requested)

6. UNABLE TO DELIVER BECAUSE: CLERK'S INITIALS

RETURN RECEIPT, REGISTERED, INSURED AND CERTIFIED MAIL

☆ GPO : 1979-288-843

PS Form 3811, Jan. 1979

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

1. The following service is requested (check one.)
☐ Show to whom and date delivered.
☒ Show to whom, date and address of delivery.
☐ RESTRICTED DELIVERY
Show to whom and date delivered.
☐ RESTRICTED DELIVERY.
Show to whom, date, and address of delivery. \$

(CONSULT POSTMASTER FOR FEES)

2. ARTICLE ADDRESSED TO:
Hondo Oil & Gas Co.
P. O. Box 1610
Midland, Texas 79702

3. ARTICLE DESCRIPTION:
REGISTERED NO. CERTIFIED NO. INSURED NO.
POS 5384990

(Always obtain signature of addressee or agent)

I have received the article described above.
SIGNATURE ☐ Addressee ☐ Authorized agent

4. DATE OF DELIVERY POSTMARK

5. ADDRESS (Complete only if requested)

6. UNABLE TO DELIVER BECAUSE: CLERK'S INITIALS

RETURN RECEIPT, REGISTERED, INSURED AND CERTIFIED MAIL

☆ GPO : 1979-288-848

PS Form 3811, Jan. 1979

SENDER: Complete items 1, 2, and 3.
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☐ RESTRICTED DELIVERY
Show to whom and date delivered.
☐ RESTRICTED DELIVERY.
Show to whom, date, and address of delivery. \$

(CONSULT POSTMASTER FOR FEES)

2. ARTICLE ADDRESSED TO:
T.J. Sivley
214 Booker Bldg.
Artesia, New Mexico 88210

3. ARTICLE DESCRIPTION:
REGISTERED NO. CERTIFIED NO. INSURED NO.
5384959

(Always obtain signature of addressee or agent)

I have received the article described above.
SIGNATURE ☐ Addressee ☐ Authorized agent

4. DATE OF DELIVERY POSTMARK

5. ADDRESS (Complete only if requested)

6. UNABLE TO DELIVER BECAUSE: CLERK'S INITIALS

RETURN RECEIPT, REGISTERED, INSURED AND CERTIFIED MAIL

PS Form 3811, Jan. 1979

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☐ RESTRICTED DELIVERY
Show to whom and date delivered.
☐ RESTRICTED DELIVERY.
Show to whom, date, and address of delivery. \$

(CONSULT POSTMASTER FOR FEES)

2. ARTICLE ADDRESSED TO:
Monsanto Company
1330 Midland National Bank Tower
Midland, Texas 79701

3. ARTICLE DESCRIPTION:
REGISTERED NO. CERTIFIED NO. INSURED NO.
POS 5384941

(Always obtain signature of addressee or agent)

I have received the article described above.
SIGNATURE ☐ Addressee ☐ Authorized agent

4. DATE OF DELIVERY POSTMARK

5. ADDRESS (Complete only if requested)

6. UNABLE TO DELIVER BECAUSE: CLERK'S INITIALS

RETURN RECEIPT, REGISTERED, INSURED AND CERTIFIED MAIL

PS Form 3811, Jan. 1978

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☐ RESTRICTED DELIVERY
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☐ RESTRICTED DELIVERY.
Show to whom, date, and address of delivery.\$

(CONSULT POSTMASTER FOR FEES)

2. ARTICLE ADDRESSED TO:
Suburban Propane Gas Corp.
P. O. Box 17689
San Antonio, Texas 78217

3. ARTICLE DESCRIPTION:
REGISTERED NO. CERTIFIED NO. INSURED NO.
5384958

(Always obtain signature of addressee or agent)

I have received the article described above.
SIGNATURE ☐ Addressee ☐ Authorized agent

4. DATE OF DELIVERY POSTMARK

5. ADDRESS (Complete only if requested)

6. UNABLE TO DELIVER BECAUSE: CLERK'S INITIALS

☆GPO : 1979-288-848

PS Form 3811, Jan. 1978

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Show to whom and date delivered.....
☐ RESTRICTED DELIVERY.
Show to whom, date, and address of delivery.\$

(CONSULT POSTMASTER FOR FEES)

2. ARTICLE ADDRESSED TO:
C.E. Nearburg
P. O. Box 31405
Dallas, Texas 75231

3. ARTICLE DESCRIPTION:
REGISTERED NO. CERTIFIED NO. INSURED NO.
5384961

(Always obtain signature of addressee or agent)

I have received the article described above.
SIGNATURE ☐ Addressee ☐ Authorized agent

4. DATE OF DELIVERY POSTMARK

5. ADDRESS (Complete only if requested)

6. UNABLE TO DELIVER BECAUSE: CLERK'S INITIALS

☆GPO : 1979-288-848

PS Form 3811, Jan. 1978

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☐ RESTRICTED DELIVERY
Show to whom and date delivered.....
☐ RESTRICTED DELIVERY.
Show to whom, date, and address of delivery.\$

(CONSULT POSTMASTER FOR FEES)

2. ARTICLE ADDRESSED TO:
Armour Properties
1107 Oil & Gas Bldg.
Wichita Falls, Texas 76301

3. ARTICLE DESCRIPTION:
REGISTERED NO. CERTIFIED NO. INSURED NO.
5384973

(Always obtain signature of addressee or agent)

I have received the article described above.
SIGNATURE ☐ Addressee ☐ Authorized agent

4. DATE OF DELIVERY POSTMARK

5. ADDRESS (Complete only if requested)
JUN 04 1984

6. UNABLE TO DELIVER BECAUSE: CLERK'S INITIALS

☆GPO : 1979-288-848

PS Form 3811, Jan. 1978

● SENDER: Complete items 1, 2, and 3.
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☐ RESTRICTED DELIVERY
Show to whom and date delivered.....
☐ RESTRICTED DELIVERY.
Show to whom, date, and address of delivery.\$

(CONSULT POSTMASTER FOR FEES)

2. ARTICLE ADDRESSED TO:
Leslie and Jean Whitney
12723 Richmond Ave. 1/2
Grandview, MO. 64030

3. ARTICLE DESCRIPTION:
REGISTERED NO. CERTIFIED NO. INSURED NO.
5384967

(Always obtain signature of addressee or agent)

I have received the article described above.
SIGNATURE ☐ Addressee ☐ Authorized agent

4. DATE OF DELIVERY POSTMARK

5. ADDRESS (Complete only if requested)
JUN 17 1984

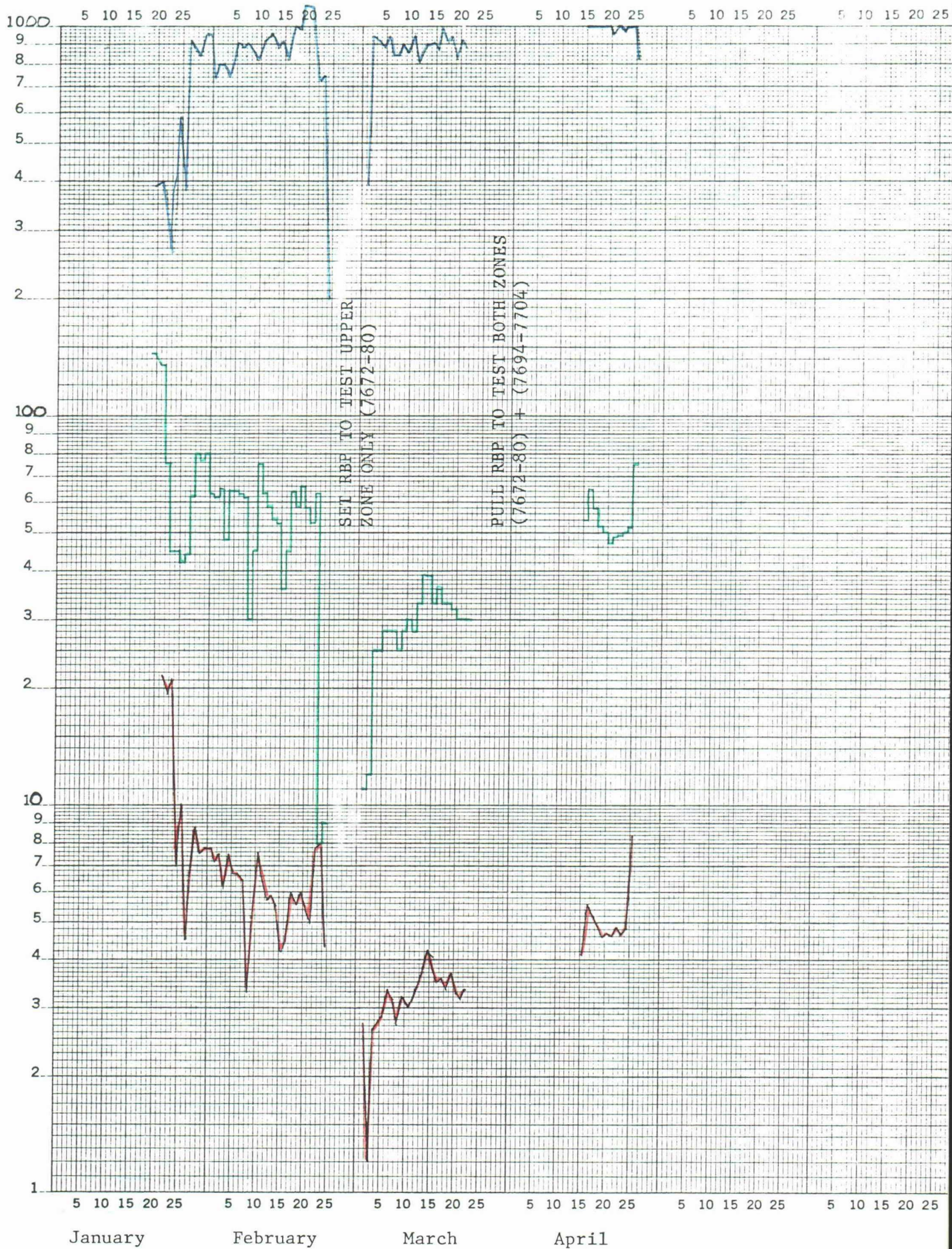
6. UNABLE TO DELIVER BECAUSE: CLERK'S INITIALS

☆GPO : 1979-288-848

47 6540

K&S 1 YEAR BY DAYS x 3 LOG CYCLES
KEUFFEL & ESSER CO. MADE IN U.S.A.

Water —
Oil —
Barrels/Day
OIL CUT (%)



BEFORE THE
OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
Case No. 8234 Exhibit No. 6
Submitted by ANADARKO
Hearing Date 8/1/84

LOG & VOLUMETRIC DATA
OSAGE NO. 1

	<u>7672-80'</u>	<u>7694-7704'</u>
$\overline{\phi}$	7.7%	8.0%
\overline{SW}	60.0%	50.0%
h	6'	8'

001P = 220 Bbl/Ac-Ft
 = 3050 Bbl/Ac

<u>DRAINAGE</u> <u>AREA</u>	<u>001P</u>	<u>RESERVES AT (MB)</u>		
		<u>20%</u>	<u>40%</u>	<u>50%</u>
40 Ac	122 MB	24.4	49.3	61.0
80 Ac	244	48.8	98.6	122
160 Ac	488	97.6	197.2	244

BEFORE THE
OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

Case No. 8234 Exhibit No. 7

Submitted by AUTOMATIC

Hearing Date 8/1/54

OSAGE NO. 1

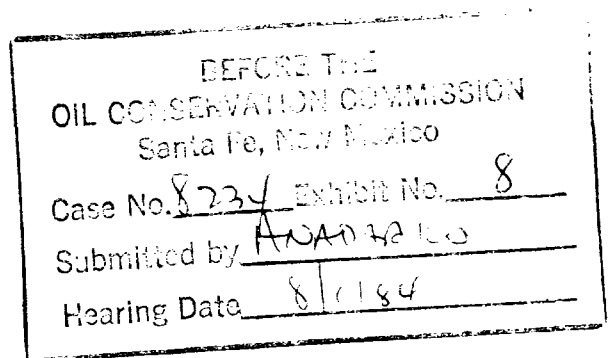
OPERATING BREAK EVEN ANALYSIS
TO HAUL PRODUCED WATER

I Expense to haul 1000 Bbl/day produced water

WATER PRODUCTION	1000 bbl/day
x Haul/Disposal Charge	\$1.00 /bbl
+ Electricity	\$120 /day
+ Misc Op Exp.	<u>\$ 10 /day</u>
= Daily Oper. Expense	\$1130 /day
x 30 days/mo	
= Monthly Oper Expense	\$33,900 /mo

II Breakeven Production Requirement

Monthly Oper. Expense	\$33,900 /mo
+ \$30/bbl Oil Price	+ \$30 /bbl
x <u>WI/NRI</u>	x <u>1.27 bbl/bbl</u>
= Breakeven Oil Production	= 1435 bbl/mo
	= 48 bbl/day



OSAGE NO. 1

POSSIBLE REVENUES WITH
SWD FACILITIES AVAILABLE

Oil Production	50 BOPD
x Price	x \$30 /bbl
x NRI/WI	x <u>0.78635</u>
Revenue to WIO's	\$1180 /day
Water Disposal @ \$.25/bbl	
For 1000 Bbl/day	\$ 250 /day
+ Electricity	\$ 120 /day
+ Misc. Op. Exp.	<u>\$ 10 /day</u>
= Daily Oper. Exp.	\$ 380
Net Revenue to WIO's	= \$ 800 /day
	= \$24,000/month

BEFORE THE	
OIL CONSERVATION COMMISSION	
Santa Fe, New Mexico	
Case No. <u>8234</u>	Exhibit No. <u>9</u>
Submitted by <u>AWAHERO</u>	
Hearing Date <u>8/1/84</u>	

ECONOMIC SUMMARY OF
ADDITIONAL CANYON DEVELOPMENT
DRILLING

BASIC DATA

WELL COST :	\$631,000 (est)
CHANCE OF SUCCESS :	75%
POTENTIAL RESERVES:	90,000 BARRELS
INITIAL PRODUCING RATE :	75 BARRELS PER DAY

ECONOMICS
(BASED ON 100% WI)

	<u>WITH PROPOSED SWD FACILITIES</u>	<u>WITHOUT PROPOSED SWD FACILITIES</u>
WATER HANDLING COST (\$/BBL)	\$0.25	\$1.00
TOTAL OPER EXPENSE (\$/MO)	\$11,400	\$33,900
RATE OF RETURN (%)	48%	0%
PAYOUT (YRS)	2.8 YRS	NONE
PROFIT/INVESTMENT	0.80	-0.20
PRESENT WORTH (20% DISC)	\$155 M	\$-155 M

DEPARTMENT OF THE OIL CONSERVATION COMMISSION Santa Fe, New Mexico	
Case No. <u>8234</u>	Sub No. <u>10</u>
Submitted by <u>ANADARKO</u>	
Hearing Date <u>8/1/84</u>	

