Case No
6035

Large Exhibits

R-32-E

R-33-E

T 9 S

13 | 18 | 17

24 | 19 | 20

25 | 30 | 29

36 | 31 | 32

R-32-E

R-33-E

N

POOLING UNIT

LEGEND

ABANDONED WELL	
PLUGGED & ABANDONED WELL	
OIL WELL	
GAS WELL	
PRODUCING WELL	
INJECTION WELL	
ABO FORMATION	
PERMO-PENN FORMATION	

0 330 660 1320 2000 FEET

BEFORE EXAMINER STAMETS
OIL CONSERVATION COMMISSION
EXHIBIT NO. 1
CASE NO. 6035
Submitted by Sd Union Supply Co.
Hearing Date 9/21/77

SOUTHERN UNION SUPPLY COMPANY

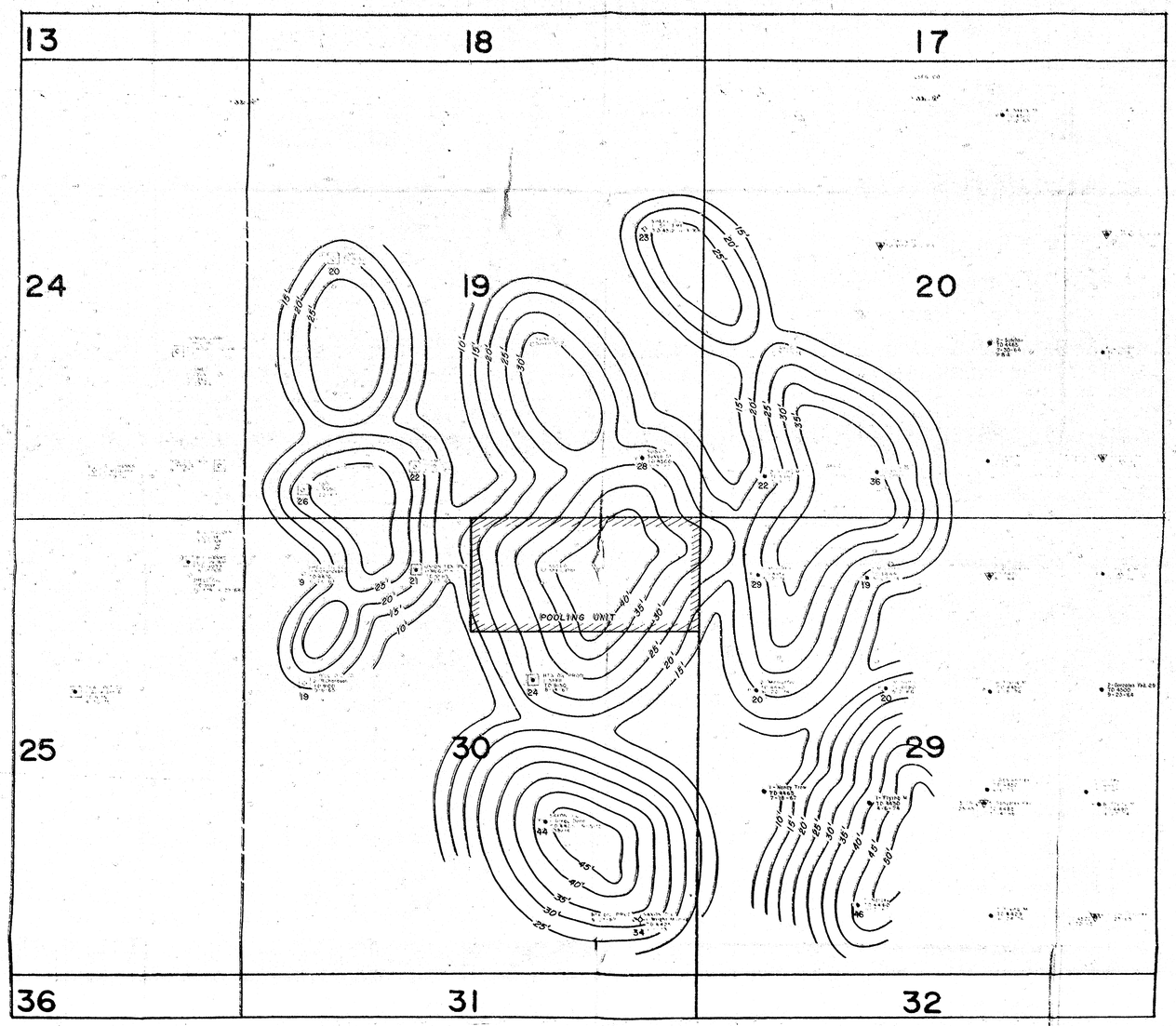
COMPULSORY POOLING APPLICATION
NEW MEXICO CASE 6035
SET FOR SEPTEMBER 14, 1977, HEARING
EXHIBIT 1
STRUCTURE MAP
T/P1 ZONE
LEA COUNTY NEW MEXICO

GEOLOGICAL STAFF C.I. 10'
DRAFTED BY: L.B.H. - H.E.B. 9-6-77

W.B.N.C.P. MICROGRAPHICS

R-32-E

R-33-E



T 9 S

R-32-E

R-33-E

LEGEND

ABANDONED WELL
PLUGGED & ABANDONED WELL
OIL WELL
GAS WELL
INJECTION WELL
ABO FORMATION
PENNSYLVANIAN FORMATION

BEFORE EXAMINER STAMETS
OIL CONSERVATION DIVISION
EXHIBIT NO. 2
CASE NO. 6035
Submitted by: So. Union Supply Co.
Hearing Date: 9/14/77

SOUTHERN UNION SUPPLY COMPANY

COMPULSORY POOLING APPLICATION
NEW MEXICO CASE 6035
SET FOR SEPTEMBER 14, 1977, HEARING
EXHIBIT 2
ISOPACHOUS MAP
GREATER THAN 7% POROSITY
LEA COUNTY NEW MEXICO

GEOLOGICAL STAFF C.I. 5'
DRAFTED BY: L.B.H. - H.E.B. 9-6-77

R-32-E

R-33-E

T 9 S

13 | 18 | 17

24 | 19 | 20

25 | 30 | 29

36 | 31 | 32

N

AVERAGE DAILY PRODUCTION FROM JULY 8 THRU 31.

SUSCO NO. 1 SHELL et al 600' FNL & 1650' FEL OF SECTION.
STANDARD 80 AC. SPACING BY NMOCC FIELD RULES.
PERMIT TO DRILL APPROVED AUGUST 3, 1977.

POOLING UNIT

0 BOPD
20
40
60
80
100 BOPD
120

LEGEND

ABANDONED WELL	
PLUGGED & ABANDONED WELL	
DRL WELL	
GAS WELL	
PRODUCING WELL	
INJECTION WELL	
ABO FORMATION	
PERMO-PENN FORMATION	

BEFORE EXAMINER STAMETS
OIL CONSERVATION COMMISSION
EXHIBIT NO. 3
CASE NO. 6035
Submitted by: Susco
Hearing Date: 9/14/77

SOUTHERN UNION SUPPLY COMPANY

COMPULSORY POOLING APPLICATION
NEW MEXICO CASE 6035
SET FOR SEPTEMBER 14, 1977 HEARING
EXHIBIT 3
AVERAGE DAILY PRODUCTION
FOR JUNE 1977
LEA COUNTY NEW MEXICO

GEOLOGY BY: ARCH GORDON C.I.: 20 BOPD
DRAFTED BY: L.B.H. - H.E.B. 9-6-77

W.N.M.C.F. MICROGRAPHICS
BEST AVAILABLE COPY

C

BTA OIL PRODUCERS
664 LTD FMS NO. 1
330 FSL & 660 FWL
SECTION 19, T-9-S, R-33-E
LEA COUNTY, NEW MEXICO
KELLY BUSHING ELEVATION 4386
ACOUSTILOG

IPF 253 BOPD + 46 BWPD
IN BOUGH C SAN ANDRES
SLAUGHTER ZONE NOT TESTED

SOUTHERN UNION SUPPLY CO.
SUSCO STATE NO. 3
660 FSL & 1980 FWL
SECTION 19, T-9-S, R-33-E
LEA COUNTY, NEW MEXICO
KELLY BUSHING ELEVATION
SIDEWALL NEUTRON
RE-ENTRY

SAN ANDRES SLAUGHTER
ZONE TESTED 65 BWPH

SOUTHERN UNION SUPPLY CO.
SUSCO STATE NO. 1
660 FSL & 660 FWL
SECTION 19, T-9-S, R-33-E
LEA COUNTY, NEW MEXICO
KELLY BUSHING ELEVATION 4379
SIDEWALL NEUTRON

IPP 160 BOPD + 23 BWPD
PERF. 4328-68

ATLANTIC RICHFIELD CO.
FLYING "M" STATE NO. 2
500 FSL & 710 FWL
SECTION 20, T-9-S, R-33-E
LEA COUNTY, NEW MEXICO
KELLY BUSHING ELEVATION 4377
MICRO-SEISMOGRAM

IPP 85 BOPD + 65 BW
PERF: 4342-98'

C'

1320'
2640'
1320'

TOP OF PI MARKER

TOP OF P, (SLAUGHTER) ZONE

NOT TESTED

DOLOMITE

PERMEABILITY (POSTULATED) BARRIER

OWC
AS DETERMINED BY SUSCO NO. 1 SUSCO-STATE LOG ANALYSIS.

VERTICAL SCALE
100
50'
0

R 32 E R 33 E

T 20 S

13 18 17
24 19 20
25 30 29
36 31 32

C C' B B'

FILED IN THE OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
Case No. _____ Exhibit No. _____
Submitted by _____
Hearing Date _____

SOUTHERN UNION SUPPLY COMPANY

COMPULSORY POOLING APPLICATION
DE NOVO HEARING
SET FOR DECEMBER 27, 1977
EXHIBIT #6
CROSS SECTION C-C'
LEA COUNTY NEW MEXICO

GEOLOGY BY: GEOLOGICAL STAFF
DRAFTED BY: H.E. BERLIN
DATUM SEA LEVEL
DECEMBER 18, 1977

B

B'

SHELL OIL COMPANY
RICHARDSON NO.2
1980 FNL & 660 FWL
SECTION 30, T-9-S, R-33-E
LEA COUNTY, NEW MEXICO
KELLY BUSHING ELEVATION 4362
GAMMA RAY-SONIC

BTA OIL PRODUCERS
SHELL NO. 1
1955 FNL & 1955 FEL
SECTION 30, T-9-S, R-33-E
LEA COUNTY, NEW MEXICO
KELLY BUSHING ELEVATION 4371
ACOUSTIC VELOCITY

E. L. LATHAM JR. &
ROY G. BARTON JR.
CASH NO. 1
1780 FNL & 660 FWL
SECTION 30, T-9-S, R-33-E
LEA COUNTY, NEW MEXICO
DRILL SITE

COASTAL STATES GAS PRODUCTION CO.
MCGUFFIN NO. 2
1980 FNL & 660 FWL
SECTION 29, T-9-S, R-33-E
LEA COUNTY, NEW MEXICO
KELLY BUSHING ELEVATION 4359
RADIOACTIVITY LOG

BEFORE THE
OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
Case No. _____ Exhibit No. _____
Submitted by _____
Hearing Date _____

2640'
2640'
1320'
SECTION LINE

4000
4100
4200
4300
4400

TOP OF Pi MARKER
+200' DATUM LINE
TOP OF Pi (SLAUGHTER) ZONE
OWC

DST 4332 - 55 op. 1 hr., rec. 180' sul. wtr. with trace oil.

IP 42 80 + 128 BW/24 hrs.
(20 MCFG)
PERF: 4305 - 4340
P & A 10-13-67

IP 47 80 + 38 BW
PERF: 4340 - 74

BEFORE THE
OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
Case No. _____ Exhibit No. 5
Submitted by _____
Hearing Date _____

R 32 E R 33 E

T 19 S

13 18 17
24 19 20
25 30 29
36 31 32

VERTICAL SCALE
100'
50'
0

SOUTHERN UNION SUPPLY COMPANY

COMPULSORY POOLING APPLICATION

DE NOVO HEARING
SET FOR DECEMBER 27, 1977
EXHIBIT 5
CROSS-SECTION B - B'
LEA COUNTY NEW MEXICO

GEOLOGY BY: GEOLOGICAL STAFF
DRAFTED BY: H. E. BERLIN

DATUM SEA LEVEL
DECEMBER 18, 1977

V.R.R.C.F. MICROGRAPHICS

SHELL OIL COMPANY
RICHARDSON NO. 1
660 FNL & 660 FWL
SECTION 30, T-9-S, R-33-E
LEA COUNTY, NEW MEXICO
KELLY BUSHING ELEVATION 4364
GAMMA RAY-SONIC

UNION TEXAS PETROLEUM
MCGUFFIN NO. 1
660 FNL & 1980 FWL
SECTION 30, T-9-S, R-33-E
LEA COUNTY, NEW MEXICO
KELLY BUSHING ELEVATION 4382
GAMMA RAY-SONIC

PROPOSED
80 AC. FIELD RULES
DRILL SITE

PROPOSED
UNORTHODOX
DRILL SITE

SECTION LINE

COASTAL STATES GAS PRODUCTION CO.
MCGUFFIN NO. 4
660 FNL & 660 FWL
SECTION 29, T-9-S, R-33-E
LEA COUNTY, NEW MEXICO
KELLY BUSHING ELEVATION 4372
GAMMA RAY-NEUTRON

A

1320'

1320'

1320'

660'

660'

A'

TOP OF Pi MARKER

+ 200' DATUM LINE

PERMEABILITY (POSTULATED) BARRIER

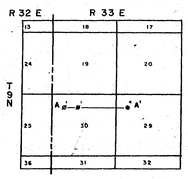
TOP OF PI (SLAUGHTER) ZONE

IP 20 BOPD + 71 BW
Perf. 11 shots/4286 - 4306; 28 BLO + 68 BLW/19 hrs.
RE-PERF: 12 shots 4286-4306; 28 BLO + 48 BLW + 37 BNW / 38 hrs

DST 4300 - 4438 rec. 30' SOCM + 510' sul. wtr. CM;

Oil - Water Contact As Determined BY Coastal States Gas Production Co. No. 4 McGuffin.

IPP 60 BOPD + 31 BW
PERF 4309 - 4382 4280 + 36 BW 24 hrs.



VERTICAL SCALE
100'
50'
0

SOUTHERN UNION SUPPLY COMPANY

COMPULSORY POOLING APPLICATION

DE NOVO HEARING
SET FOR DECEMBER 27, 1977
EXHIBIT 4
CROSS-SECTION A-A'

LEA COUNTY NEW MEXICO

GEOLOGY BY: GEOLOGICAL STAFF
DRAFTED BY: L. B. HARRIS

DATUM SEA LEVEL
DECEMBER 18, 1977

BEFORE THE
OIL CONSERVATION COMMISSION
Santa Fe, N. M. Mexico
Case No. _____ Exhibit No. _____
Submitted by: _____
Hearing Date: _____

R-32-E

R-33-E

13 | 18 | 17

24 | 19 | 20

25 | 30 | 29

36 | 31 | 32

T 9 S

R-32-E

R-33-E

N

POSTULATED PERMEABILITY BARRIER

AVERAGE DAILY PRODUCTION FOR OCTOBER 1977

FIELD RULE 80 ACRE LOCATION

UNORTHODOX LOCATION

POOLING UNIT

LEGEND

ABANDONED WELL	
PLUGGED & ABANDONED WELL	
OIL WELL	
GAS WELL	
PRODUCING WELL	
INJECTION WELL	
ABO FORMATION	
PERMO-PENN FORMATION	

DATE REVISED 20 Dec 77

SOUTHERN UNION SUPPLY COMPANY

COMPULSORY POOLING APPLICATION
DE NOVA HEARING
SET FOR DECEMBER 27, 1977
EXHIBIT 3
AVERAGE DAILY PRODUCTION
FOR OCTOBER 1977
LEA COUNTY, NEW MEXICO

GEOLOGICAL STAFF — C.I. 20'
DRAFTED BY: L.B.H. - H.E.B. — 9-6-77

W.N.M.C.P. MICROGRAPHICS
BEST AVAILABLE COPY

BEFORE THE
OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
Case No. _____ Exhibit No. _____
Submitted by _____
Hearing Date _____

R-32-E

R-33-E

13 | 18 | 17

24 | 19 | 20

25 | 30 | 29

36 | 31 | 32

R-32-E

R-33-E

T 9 S

N

POSTULATED PERMEABILITY BARRIER

FIELD RULE 80 ACRE LOCATION

UNORTHODOX LOCATION

POOLING UNIT

LEGEND

ABANDONED WELL	⊗
PLUGGED & ABANDONED WELL	⊗
OIL WELL	●
GAS WELL	☼
PRODUCING WELL	•
INJECTION WELL	▽
ABO FORMATION	△
PERMO-PENN FORMATION	□

DATE REVISED 20 Dec 77

0 500 1000 2000 FEET

SOUTHERN UNION SUPPLY COMPANY

COMPULSORY POOLING APPLICATION
DE NOVO HEARING
SET FOR DECEMBER 27, 1977
EXHIBIT 2
ISOPACHOUS MAP
GREATER THAN 7% POROSITY
LEA COUNTY, NEW MEXICO

GEOLOGICAL STAFF C.I. 5'
DRAFTED BY: L.S.H. - H.E.B. 9-6-77

V.E.N.C.P. MICROGRAPHICS
BEST AVAILABLE COPY

BEFORE THE
OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
Case No. _____ Exhibit No. _____
Submitted by: _____
Hearing Date: _____

R-32-E R-33-E

13 18 17

24 19 20

25 30 29

36 31 32

R-32-E R-33-E

T 9 S

N

POSTULATED PERMEABILITY BARRIER

FIELD RULE 80 ACRE LOCATION

UNORTHODOX LOCATION

POOLING UNIT

SUSCO
Susco St. 1
Flying "M"
660 FSL & FEL
19-9S-33E

KELLY BUSH ELEV. 4379.7

GAMMA RAY | NEUTRON | POROSITY

MAP DATUM | TOP OF SLAUGHTER POROSITY

Oil & Water Transition Zone

Water Zone

LEGEND

ABANDONED WELL
PLUGGED - ABANDONED WELL
OIL WELL
GAS WELL
PRODUCING WELL
INJECTION WELL
ABO FORMATION
PERMO-PENN FORMATION

DATE REVISED 20 Dec. 77

SOUTHERN UNION SUPPLY COMPANY

COMPULSORY POOLING APPLICATION
DE NOVA HEARING
SET FOR DECEMBER 27, 1977
EXHIBIT I
STRUCTURE MAP
TOP OF SLAUGHTER POROSITY
LEA COUNTY, NEW MEXICO

GEOLOGICAL STAFF C.I. 10'
DRAFTED BY: L.B.H. - H.E.B. 9-6-77

U.S.N.C.P. MICROGRAPHICS
BEST AVAILABLE COPY

C

BTA OIL PRODUCERS
664 LTD FMS NO. 1
330 FSL & 660 FWL
SECTION 19, T-9-S, R-33-E
LEA COUNTY, NEW MEXICO
KELLY BUSHING ELEVATION 4386
ACOUSTILOG

SOUTHERN UNION SUPPLY CO.
SUSCO STATE NO. 3
660 FSL & 1980 FWL
SECTION 19, T-9-S, R-33-E
LEA COUNTY, NEW MEXICO
KELLY BUSHING ELEVATION
SIDEWALL NEUTRON
RE-ENTRY

SOUTHERN UNION SUPPLY CO.
SUSCO STATE NO. 1
660 FSL & 660 FWL
SECTION 19, T-9-S, R-33-E
LEA COUNTY, NEW MEXICO
KELLY BUSHING ELEVATION 4379
SIDEWALL NEUTRON

ATLANTIC RICHFIELD CO.
FLYING "M" STATE NO. 2
500 FSL & 710 FWL
SECTION 20, T-9-S, R-33-E
LEA COUNTY, NEW MEXICO
KELLY BUSHING ELEVATION 4377
MICRO-SEISMOGRAM

C'

1320'

2640'

1320'

TOP OF Pi MARKER

TOP OF P_1 (SLAUGHTER) ZONE

PERMEABILITY (POSTULATED) BARRIER

O W C

AS DETERMINED BY SUSCO NO. 1 SUSCO—STATE LOG ANALYSIS.

NOT TESTED

DOLOMITE

IPF 253 BOPD + 46 BWPD
IN BOUGH C SAN ANDRES
SLAUGHTER ZONE NOT TESTED

SAN ANDRES SLAUGHTER ZONE TESTED 65 BWPH

IPP 160 BOPD + 33 BWPD
PERF. 4325-66

IPP 85 BOPD + 65 BW
PERF: 4342-98'

R 32 E R 33 E

T 19 N

13 18 17
24 19 20 C C'
25 30 29
36 31 32

VERTICAL SCALE 100' 50' 0

BEFORE THE
OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
Case No. 6085 Exhibit No. 6
Submitted by Susco
Hearing Date 12/27/77

SOUTHERN UNION SUPPLY COMPANY

COMPULSORY POOLING APPLICATION

DE NOVO HEARING
SET FOR DECEMBER 27, 1977
EXHIBIT 9
CROSS SECTION C - C'
LEA COUNTY NEW MEXICO

GEOLOGY BY: GEOLOGICAL STAFF
DRAFTED BY: H. E. BERLIN

DATUM SEA LEVEL
DECEMBER 18, 1977

V.R.R.C.F. MICROGRAPHICS
BEST AVAILABLE COPY

B

B'

SHELL OIL COMPANY
RICHARDSON NO.2
1980 FNL & 660 FWL
SECTION 30, T-9-S, R-33-E
LEA COUNTY, NEW MEXICO
KELLY BUSHING ELEVATION 4362
GAMMA RAY-SONIC

BTA OIL PRODUCERS
SHELL NO. 1
1955 FNL & 1955 FEL
SECTION 30, T-9-S, R-33-E
LEA COUNTY, NEW MEXICO
KELLY BUSHING ELEVATION 4371
ACOUSTIC VELOCITY

E. L. LATHAM JR. &
ROY G. BARTON JR.
CASH NO. 1
1780 FNL & 660 FWL
SECTION 30, T-9-S, R-33-E
LEA COUNTY, NEW MEXICO
DRILL SITE

COASTAL STATES GAS PRODUCTION CO.
MCGUFFIN NO. 2
1980 FNL & 660 FWL
SECTION 29, T-9-S, R-33-E
LEA COUNTY, NEW MEXICO
KELLY BUSHING ELEVATION 4359
RADIOACTIVITY LOG

2640'
2640'
1320'
SECTION LINE

TOP OF Pi MARKER
+200' DATUM LINE
TOP OF P1 (SLAUGHTER) ZONE
OWC

DST 4332 - 55 op. 1 hr., rec. 180' sul. wtr. with trace oil.

IP 42 BO + 128 BW/24 hrs.
(20 MCFG)
PERF: 4305 - 4340
P & A 10-13-67

IP 47 BO + 38 BW
PERF: 4340 - 74

BEFORE THE
OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
Case No. 6085 Exhibit No. 5
Submitted by SUSCO
Hearing Date 12/27/77

R 32 E R 33 E

T 9 S

VERTICAL SCALE
100'
50'
0

SOUTHERN UNION SUPPLY COMPANY

COMPULSORY POOLING APPLICATION

DE NOVO HEARING
SET FOR DECEMBER 27, 1977
EXHIBIT 8
CROSS-SECTION B - B'
LEA COUNTY NEW MEXICO

GEOLOGY BY: GEOLOGICAL STAFF
DRAFTED BY: H. E. BERLIN

DATUM SEA LEVEL
DECEMBER 18, 1977

U.S.N.C.F. MICROGRAPHICS
BEST AVAILABLE COPY

SHELL OIL COMPANY
RICHARDSON NO. 1
660 FNL & 660 FWL
SECTION 30, T-9-S, R-33-E
LEA COUNTY, NEW MEXICO
KELLY BUSHING ELEVATION 4364
GAMMA RAY-SONIC

UNION TEXAS PETROLEUM
MCGUFFIN NO. 1
660 FNL & 1980 FWL
SECTION 30, T-9-S, R-33-E
LEA COUNTY, NEW MEXICO
KELLY BUSHING ELEVATION 4382
GAMMA RAY-SONIC

PROPOSED
80 AC. FIELD RULES
DRILL SITE

PROPOSED
UNORTHODOX
DRILL SITE

SECTION LINE

COASTAL STATES GAS PRODUCTION CO.
MCGUFFIN NO. 4
660 FNL & 660 FWL
SECTION 29, T-9-S, R-33-E
LEA COUNTY, NEW MEXICO
KELLY BUSHING ELEVATION 4372
GAMMA RAY-NEUTRON

A

1320'

1320'

1320'

660'

660'

A'

TOP OF Pi MARKER

+ 200' DATUM LINE

PERMEABILITY (POSTULATED) BARRIER

TOP OF P_I (SLAUGHTER) ZONE

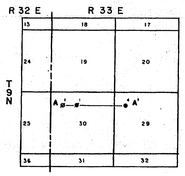
IP 20 BOPD + 71 BW
Perf. 11 shots/4286 - 4306; 28 BLO + 68 BLW/ 19 hrs.
RE-PERF. 12 shots 4286 - 4306; 28 BLO + 48 BLW + 37 BNW / 38 hrs

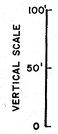
DST 4300 - 4438 rec. 30' SOCM + 510' sul. wtr. CM;

Oil - Water Contact As Determined BY Coastal States Gas Production Co. No. 4 McGuffin.

IPP 60 BOPD + 31 BW
PERF 4309 - 4382 42 BO + 36 BW 24 hrs.

BEFORE THE
OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
Case No. 6035 Exhibit No. 4
Submitted by SUSCO
Hearing Date 12/27/77





SOUTHERN UNION SUPPLY COMPANY

COMPULSORY POOLING APPLICATION

DE NOVO HEARING
SET FOR DECEMBER 27, 1977
EXHIBIT 4
CROSS-SECTION A - A'

LEA COUNTY NEW MEXICO

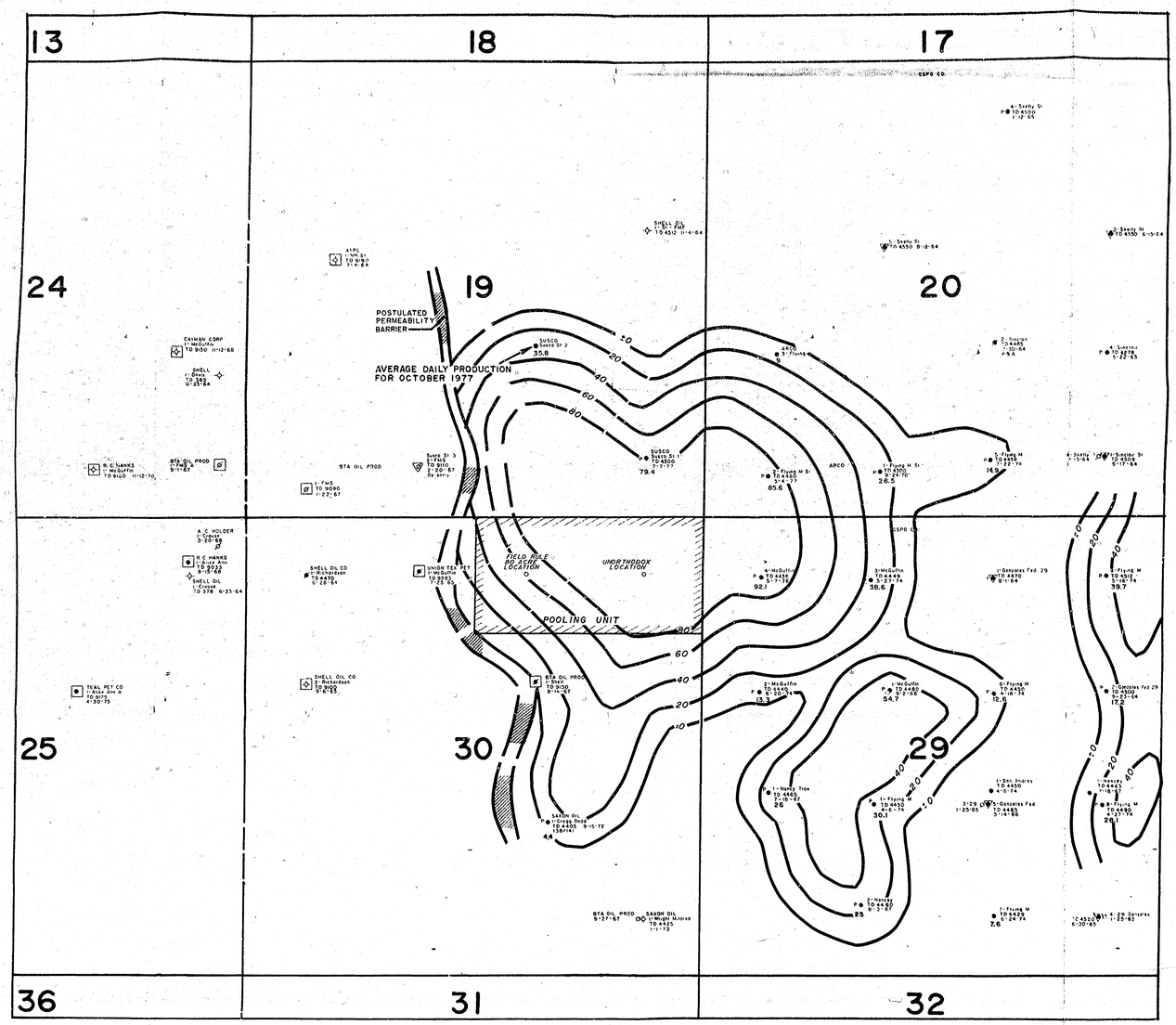
GEOLOGY BY: GEOLOGICAL STAFF
DRAFTED BY: L. B. HARRIS
DATUM SEA LEVEL
DECEMBER 18, 1977

N.M.O.C.C. MICROGRAPHICS
BEST AVAILABLE COPY

R-32-E

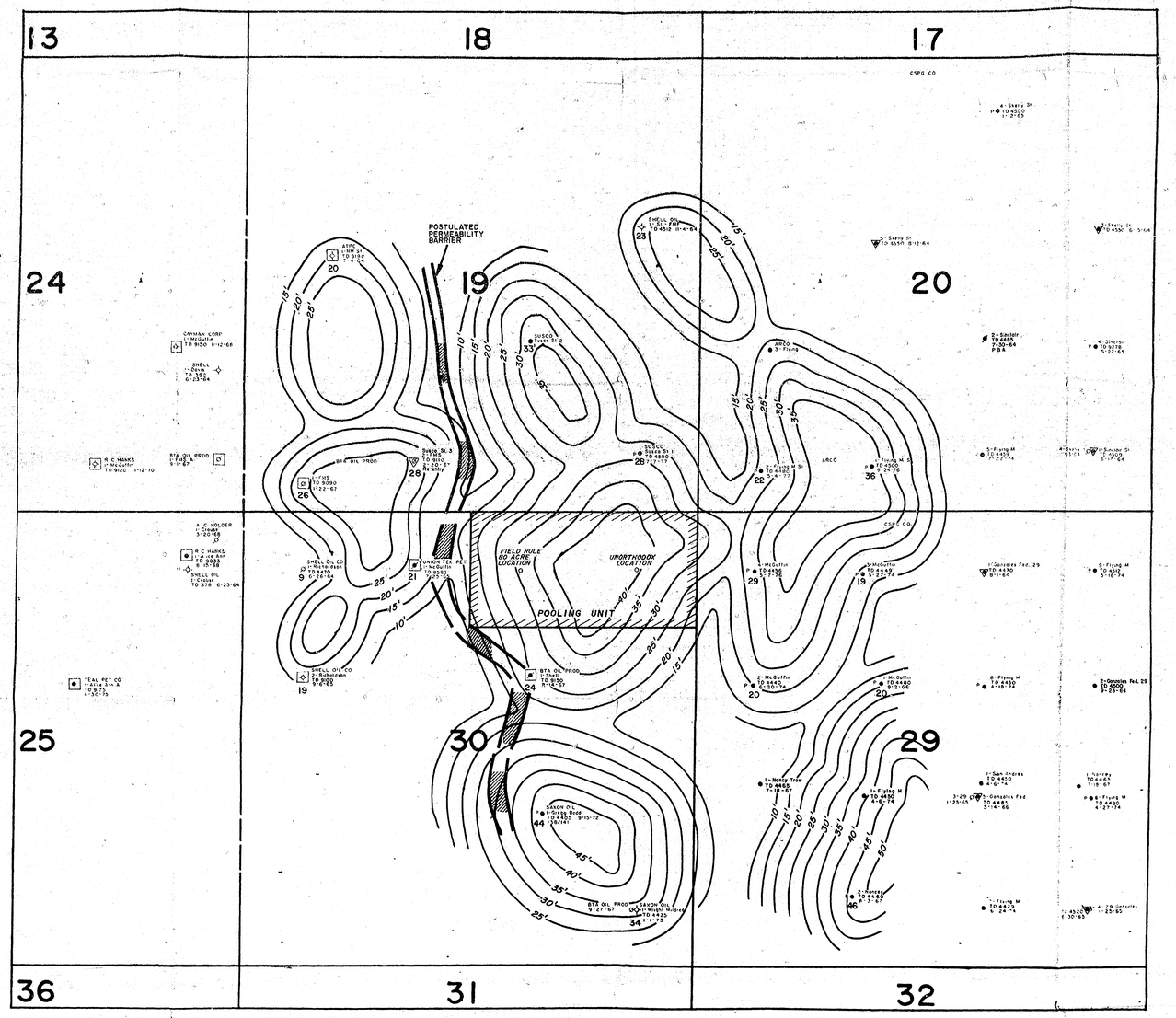
R-33-E

T 9 S


13
18
17
24
19
20
25
30
29
36
31
32
POSTULATED PERMEABILITY BARRIER
AVERAGE DAILY PRODUCTION FOR OCTOBER 1977
FIELD RULES 40 ACRE LOCATION
UNORTHODOX LOCATION
POOLING UNIT
10
20
40
60
80
SUSCO Davis St 2 35.8
SUSCO Davis St 1 79.4
ARCO S-Flying M 9
S-Flying M St 85.6
S-Flying M St 26.5
S-Flying M 14.9
2-McGuffin 92.1
3-McGuffin 38.6
1-McGuffin 54.7
6-Flying M 10.6
1-Nunley Trew 26
1-Flying M 30.1
2-Nunley 25
1-Flying M 7.6
1-Gonzales Fed 29 17.2
1-Flying M 39.7
SAXON OIL 1-Davis Deep 4.4
SHELL OIL CO 1-Richardson
SHELL OIL CO 1-Richardson
SHELL OIL CO 1-Richardson

R-32-E

R-33-E



R-32-E

R-33-E

LEGEND

ABANDONED WELL	⊙
PLUGGED & ABANDONED WELL	⊙
OIL WELL	●
GAS WELL	⊙
PRODUCING WELL	⊙
INJECTION WELL	▽
ABO FORMATION	△
PENNSYLVANIAN FORMATION	□

DATE REVISED 20 Dec 77

0 500 1000 2000 3000 FEET

BEFORE THE OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
Case No. _____ Exhibit No. _____
Submitted by _____
Hearing Date _____

BEFORE THE OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
Case No. 6035 Exhibit No. 2
Submitted by Svuco
Hearing Date 12/27/77

SOUTHERN UNION SUPPLY COMPANY

COMPULSORY POOLING APPLICATION
DE NOVO HEARING
SET FOR DECEMBER 27, 1977
EXHIBIT 2
ISOPACHOUS MAP
GREATER THAN 7% POROSITY
LEA COUNTY, NEW MEXICO

GEOLOGICAL STAFF C.I. 5'
DRAFTED BY: L.S.H. - H.E.B. 9-6-77

A.R.M.A.C.F. MICROGRAPHICS

R-32-E

R-33-E

13 | 18 | 17

24 | 19 | 20

25 | 30 | 29

36 | 31 | 32

R-32-E

R-33-E

T 9 S

N

POSTULATED PERMEABILITY BARRIER

FIELD RULE 80 ACRE LOCATION

UNORTHODOX LOCATION

POOLING UNIT

SUSCO
Susco St. 1
Flying "M"
660 FSL & FEL
19-9S-33E

KELLY BUSH ELEV. 4379.7

GAMMA RAY

MAP DATUM

TOP OF SLAUGHTER PROBITY

BEFORE THE OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
Case No. 6085 Exhibit No. 1
Submitted by Susco
Hearing Date Dec. 27, 1977

LEGEND

ABANDONED WELL
PLUGGED & ABANDONED WELL
OIL WELL
GAS WELL
PRODUCING WELL
INJECTION WELL
ABD. FORMATION
PERMO-PENN. FORMATION

DATE REVISED 20 Dec. 77

SOUTHERN UNION SUPPLY COMPANY

COMPULSORY POOLING APPLICATION
DE NOVA HEARING
SET FOR DECEMBER 27, 1977
EXHIBIT I
STRUCTURE MAP
TOP OF SLAUGHTER POROSITY
LEA COUNTY, NEW MEXICO

BEFORE THE
OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
Case No. 6085 Exhibit No. 1
Submitted by Susco
Hearing Date Dec. 27, 1977

GEOLOGICAL STAFF C.I. 10'
DRAFTED BY: L.B.H - H.E.B 9-6-77

N.M.O.C.C. HOBBS OFFICE

SHELL OIL COMPANY
RICHARDSON NO. 1
660 FNL & 660 FWL
SECTION 30, T-9-S, R-33-E
LEA COUNTY, NEW MEXICO
KELLY BUSHING ELEVATION 4364
GAMMA RAY-SONIC

UNION TEXAS PETROLEUM
MCGUFFIN NO. 1
660 FNL & 1980 FWL
SECTION 30, T-9-S, R-33-E
LEA COUNTY, NEW MEXICO
KELLY BUSHING ELEVATION 4362
GAMMA RAY-SONIC

SOUTHERN UNION SUPPLY COMPANY
SHELL et al NO. 1
600 FNL & 1850 FEL
SECTION 30, T-9-S, R-33-E
LEA COUNTY, NEW MEXICO
DRILL SITE

COASTAL STATES GAS PRODUCTION CO.
MCGUFFIN NO. 4
660 FNL & 660 FWL
SECTION 29, T-9-S, R-33-E
LEA COUNTY, NEW MEXICO
KELLY BUSHING ELEVATION 4372
GAMMA RAY-NEUTRON

SECTION LINE

A

A'

1320'

3960'

2510'

TOP OF Pi MARKER

+ 200' DATUM LINE

TOP OF Pi (SLAUGHTER) ZONE

IP 20 BOPD + 71 BW
Perf: 11 shots/4286-4306; 28 BLO+68 BLW/19 hrs.
RE-PERF: 12shots 4286-4306; 28 BLO+48 BLW +37 BNW /38 hrs

DST 4300-4438 rec. 30'SOGCM + 510' sal. wtr. GM;

Oil - Water Contact As Determined BY Coastal States Gas Production Co. No. 4 McGuffin.

IPP 60 BOPD +31 BW
PERF 4309-4382 4280 + 36 BW 24 hrs.

R 32 E R 33 E

T 9 S

VERTICAL SCALE 100 50' 0

BEFORE EXAMINER STAMETS
OIL CONSERVATION COMMISSION
EXHIBIT NO. 4
CASE NO. 6035
Submitted by SUSCO
Hearing Date 9/14/77

SOUTHERN UNION SUPPLY COMPANY

COMPULSORY POOLING LOCATION
NMOCC CASE 6035
SET FOR SEPTEMBER 14, 1977 HEARING
EXHIBIT 4
CROSS-SECTION A-A'
LEA COUNTY NEW MEXICO

GEOLOGY BY: E. R. HAGGARD
DRAFTED BY: L. B. HARRIS
DATUM SEA LEVEL
SEPTEMBER 2, 1977

V.E.R.C.F. MICROGRAPHICS