Case No
7129+7169

Large Exhibits

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

R 8 W

T 28 N

R 8 W

T 28 N

1930 INITIAL POTENTIAL, MCFPD

BEFORE EXAMINER STAMETS
OIL CONSERVATION DIVISION
Koch EXHIBIT NO. 1
CASE NO. 3184 & 3185
Submitted by Koch
Hearing Date 8/22/01

REVISIONS		
TYPE	DATE	BY

KOCH EXPLORATION COMPANY
MIDCONTINENT DIVISION
SAN JUAN BASIN
SAN JUAN COUNTY, NEW MEXICO
KOCH'S DRYDEN ACREAGE & OFFSET WELLS
8-16-01 1"=1000
MAP NO

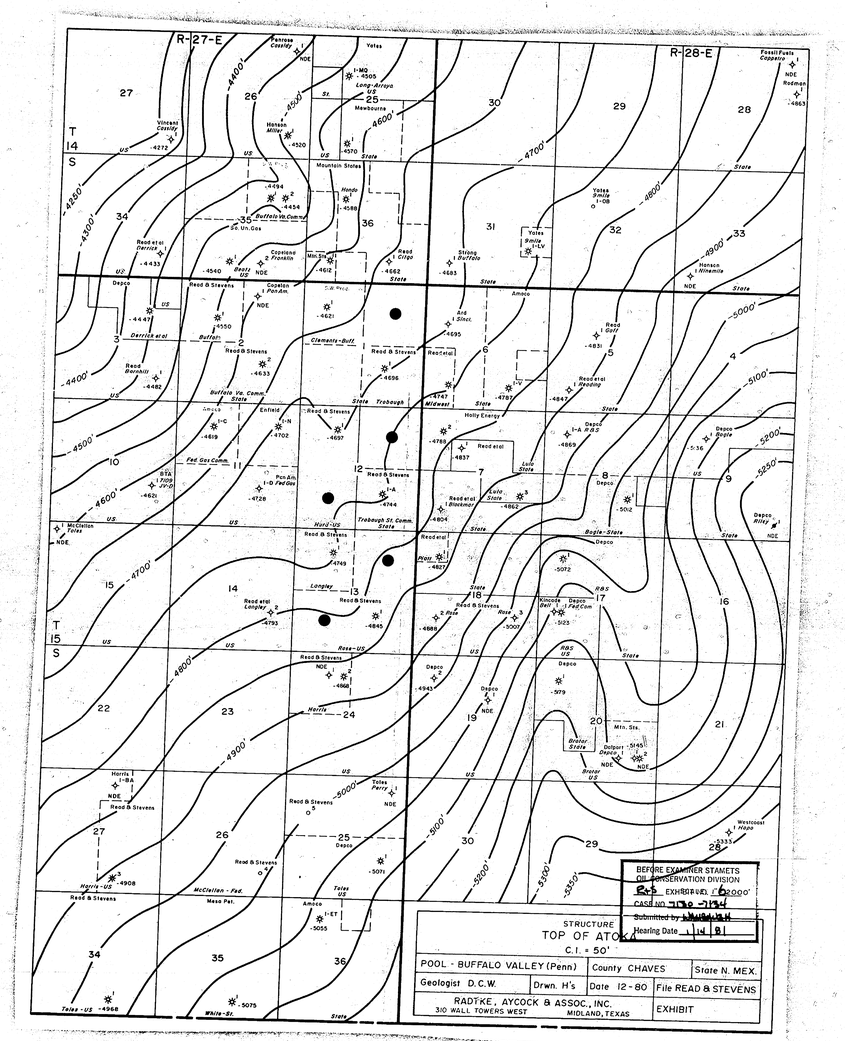
Case No

7130-7134

Large Exhibits

N.M.O.C.D. MICROGRAPHICS

BEST AVAILABLE COPY



V.R.W.C.F. MICROGRAPHICS
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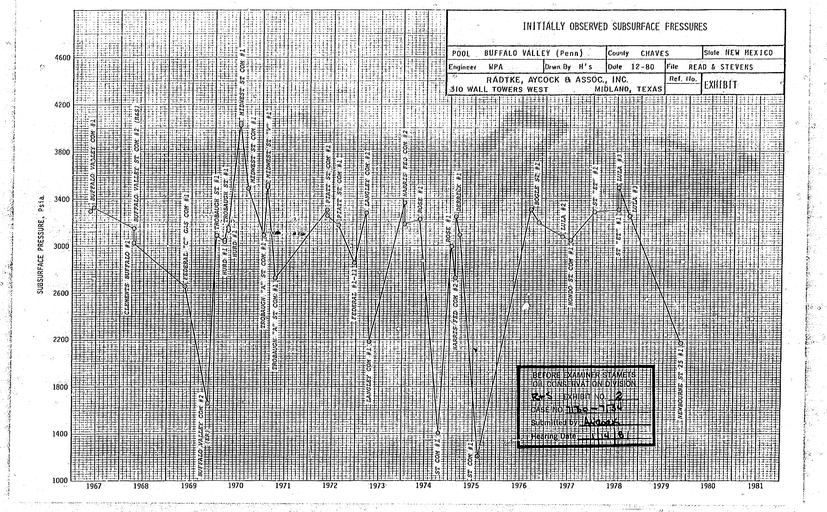

V.S.N.C.F. MICROGRAPHICS
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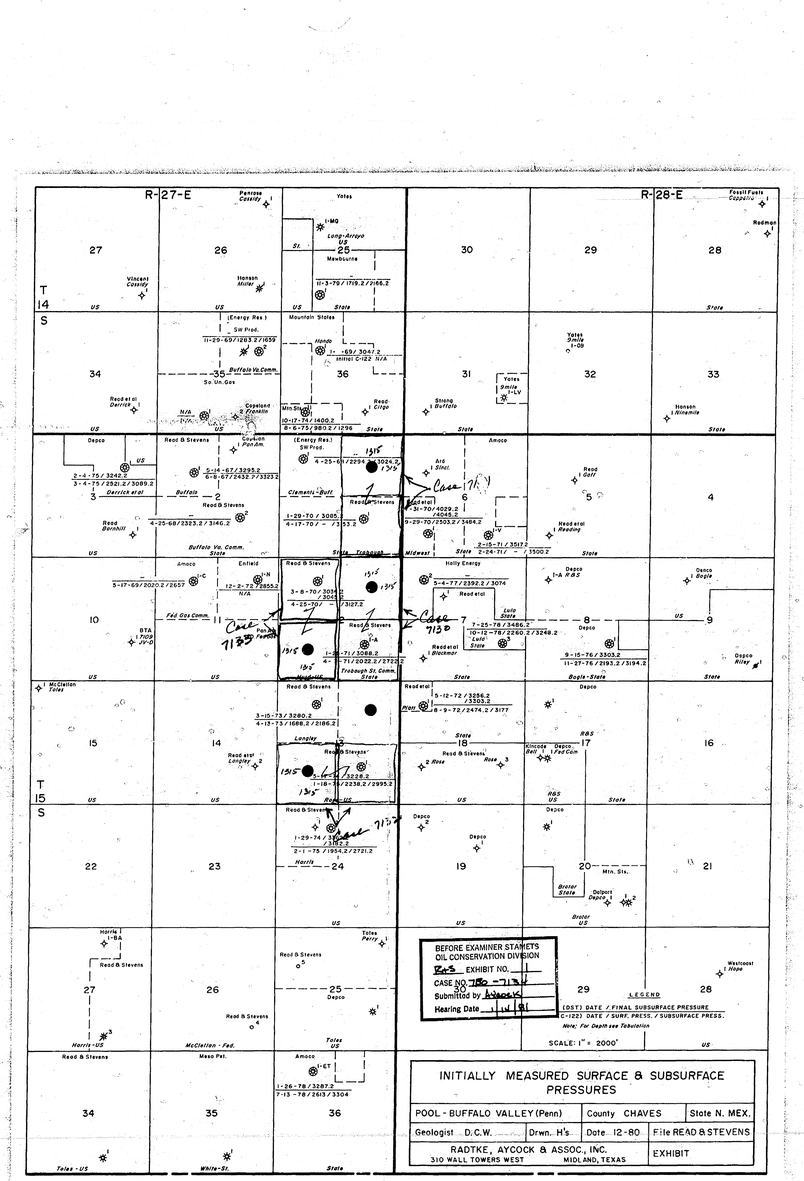
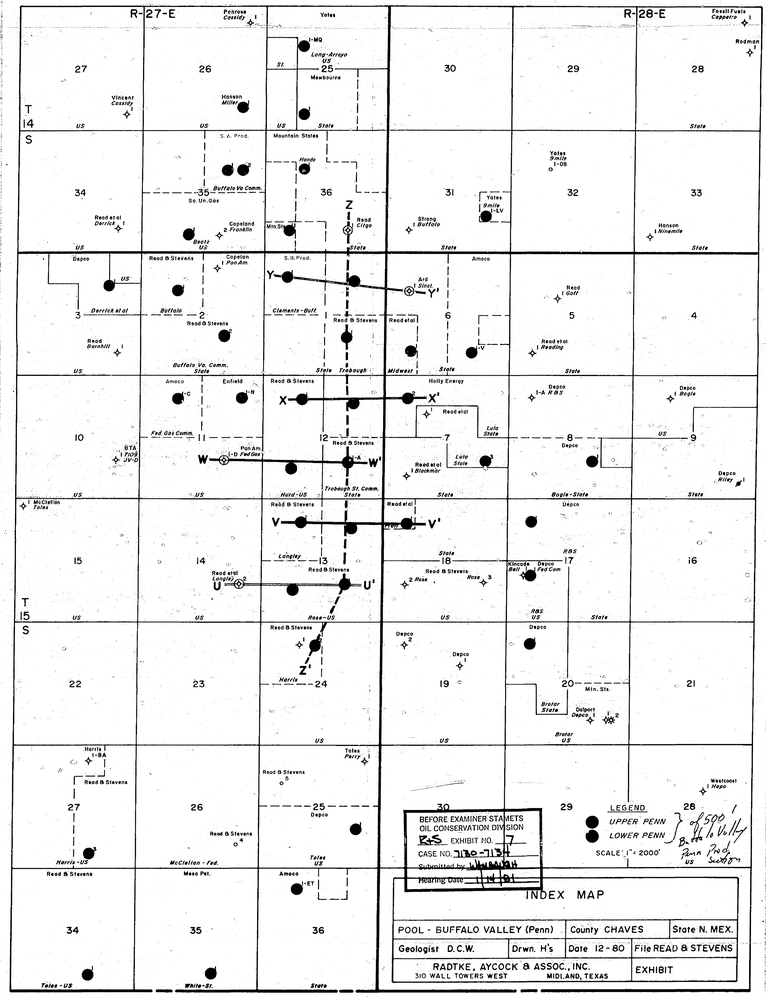


M.R.M.C.F. MICROGRAPHICS
BEST AVAILABLE COPY



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

VINCENT & WELCH, INC. NO. 1 - FRED M. CASSIDY - FED.

SOUTHWEST PRODUCTION CORPORATION NO. 1 - BUFFALO VALLEY COM

SOUTHWEST PRODUCTION CORPORATION NO. 2 - BUFFALO VALLEY COM

MOUNTAIN STATES PET. CORP. NO. 1 - STATE C

A
NW

-3500'

PENNSYLVANIAN

CANYON

STRAWN

ATOKA

CHESTER

WOODFORD

DEVONIAN

ELLENBURGER

DST
8033-146, Op 1',
Rec 950' WB
and 30' Mud ?

PERF
48/8142-67
A/2000 8142-73
A/600 8142-96
WF/60,000 + 75004
all perfs 8142-96

PERF
6/8167-73; 18/8178-96
Swb & F GAS & Dist

DST
8550-710, Op 1',
Rec 660' SM
FP 500-3500
30 BH 3750

DST
9259-336, Op 2'30"
Rec 900' MW +
4700' Sul Wtr
FP 950-225
30 BH 3750

TD 9336'
P & A
10-22-52

DST
8173-270, Op 3',
GTS 3" @ 1.75 MM max
5 MCFGPD
Rec 600' HGCM,
30' Cond
ISIP 3215/60"
FP 460-510
FSIP 3215/60"

4½"

TD 8393' PB 8327'
IPF 1.4 MCFGPD
GTY -- GOR --
COMP 2-7-68

CUM (as of 10-1-69)
21,039 MCF (P & A 1-70)

ON 8125-73

TD 8173'
IPF 56 B Cond PD
+ 2.8 MMCFG
GTY -- GOR --
COMP 9-18-69

CUM (as of 11-1-79)
691,027 MCF

PERF 4/8230-32; 18/8238-47
8/8254-58
A/3000
FARO 1.25 MMCFGPD

PERF
40/8296-306
A/2000
FARO 1 MMCFGPD

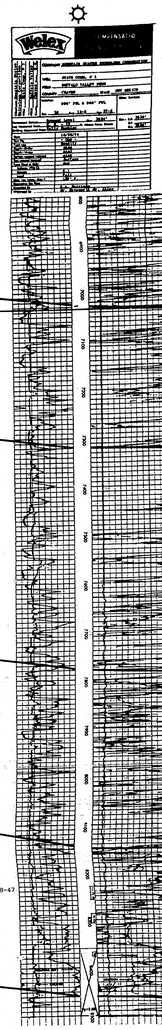
PERF
40/8366-76
S/dry
BP 8350

TD 8500' PB 8350'
IPCAOF 0.867 MMCFGPD
GTY .653 GOR TSTM
COMP 4-11-75

CUM (as of 11-1-79)
659,413 MCF

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

MOUNTAIN STATES PET. CORP. NO. 1 - STATE COM



PERF 4/8230-32; 18/8238-47
8/8254-58
A/3000
FARO 1.25 MMCFGPD

PERF
40/8296-306
A/2000
FARO 1 MMCFGPD

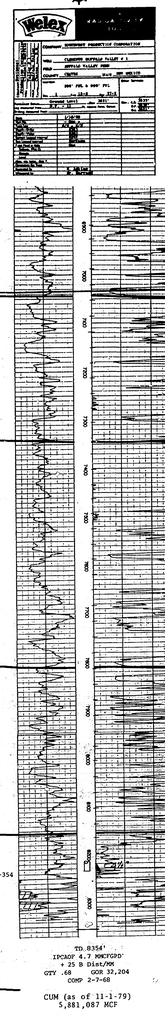
PERF
40/8366-76
S/dry
BP 8350

DST
8120-393, Op 2'30",
GTS 6" @ 3.5 MMCFGPD
ISIP 1462/60"
FP 959-1104
FSIP 1453/120"

TD 8500' PB 8350'
IPCAOF 0.867 MMCFGPD
GTY .653 GOR TSTM
COMP 4-11-75

CUM (as of 11-1-79)
659,413 MCF

SOUTHWEST PROD. CORP. NO. 1 - CLEMENTS-BUFFALO COM

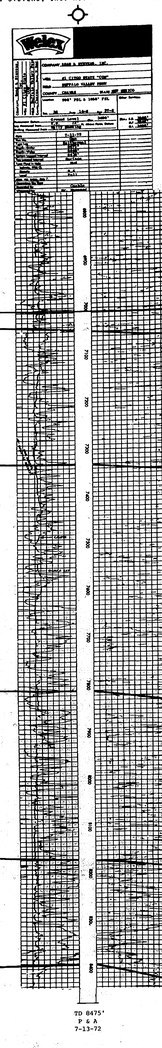


OH 8235-354

TD 8354'
IPCAOF 4.7 MMCFGPD'
+ 25 B Dist/MM
GTY .68 GOR 32,204
COMP 2-7-68

CUM (as of 11-1-79)
5,883,087 MCF

READ & STEVENS, INC. NO. 1 - CITGO STATE COM



DST
8124-475 (Atoka)
Op 90", Rec 450' SM
ISIP 443/60"
FP 232-243
FSIP 642/60"

DST
8301-403, Op 75",
GTS 18", Gas @
0.088 MMCFGPD
Rec 60' SM
ISIP 2896/60"
FP 46-93
FSIP 2827/120"

TD 8475'
P & A
7-13-72

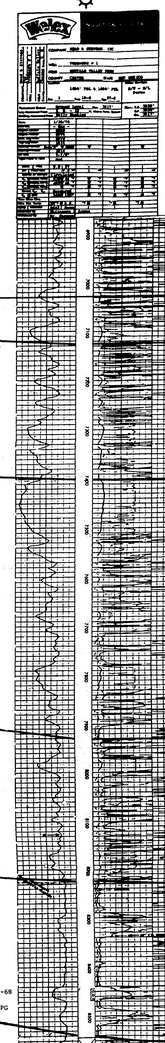
PENNSYLVANIAN

CANYON

STRAWN

ATOKA

READ & STEVENS NO. 1 - TROBAUGH STATE



PERF
26/8443-68
A/130
F/7 MMCFG

DST
8344-480, Op 90",
F/5.75 CFG
Rec 680' Mud &
MC Dist
ISIP 3038/60"
FP 912-2809
FSIP 3038/90"

DST
8346-445, Op 75",
Rec 150' Mud
ISIP 242/60"
FP 192-213
FSIP 237/60"

TD 8590' Pl. 8543'
IPF 3.5 MMCFGPD
GTY --
COMP 3-17-70

CUM (as of 11-1-79)
7,607,508 MCF

READ & STEVENS, INC.

PERF
3/8392, 8393, 8394,
8397, 8398, 8399,
8404, 8405, 8406,
8407, 8410, 8415,
8416, 8417, 8418, 8420
F/9 MMCFGPD

PERF
4/8469-73; 3/8479-81;
3/8495-97; 5/8511-15
A/1300 8469-0515
F/0.104 MMCFGPD
BP 8450

TD 8670'
IPCOF 8.1
GTY .670
COMP 10-

CUM (as of
2,535,9

W.N.M.C.F. MICROGRAPHICS

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TBAUGH STATE

READ & STEVENS, INC. NO. 1 - MIDWEST

HOLLY ENERGY, INC. NO. 2 - LULA

READ & STEVENS, INC. NO. 1 - BLACKMAR STATE COM

READ & STEVENS, INC. NO. 3 - LULA

PENNSYLVANIAN

CANYON

STRAWN

ATOKA

CHESTER

DST
8144-440, Op 90",
F/S.75 CFG
Rec 680' Mud &
Wtr Dist
ISIP 1239/60"
FP 912-2809
ISIP 3058/90"

DST
8364-445, Op 75",
Rec 150' Mud
ISIP 242/60"
FP 190-213
FSIP 237/60"

43'

1-79)

PERF
2/8392, 8393, 8394,
8397, 8398, 8399,
8404, 8405, 8406,
8407, 8410, 8415,
8416, 8417, 8418, 8420
F/V MMCFGPD

PERF
4/8419-731 3/8479-81,
3/8495-97; 5/8511-15
A/1300 8469-8515
F/0.104 MMCFGPD
BP 8450

TD 8670' PB 8450'
IFCOF 4.1 MMCFGPD
GTY .670 GOR 17,550
COMP 10-2-70

CUM (as of 11-1-79)
2,535,955 MCF

DST
8275-414, Op 15",
OTS 3" @ 11 MMCFGPD
Rec 90' OilGlkt CM
ISIP 3075/60"
FP 3145-3330
FSIP 4025/60"

PERF
20/8495-504
16/8530-46

No Cores or DST's

TD 8790' PB 8700'
IFCAOF 1.09 MMCFGPD
GTY .691 GOR Dry
COMP 5-3-77

CUM (as of 11-1-79)
189,426 MCF

SP-DST
7349-449, Op 65",
Rec 50' Mud
ISIP 1771/60"
FP 85-107

DST
8326-404, Op 90",
Rec 310' Mud
ISIP 524/75"
FP 402-437
FSIP 524/60"

DST
8325-587, Op 90",
Rec 310' Mud
ISIP 1886/60"
FP 286-245
FSIP 1957/120"

TD 8820'
P & A
6-12-7?

PERF
4/8542-44
4/8578-80
F/0.2 MMCF

PERF
12/8610-16
A/2000
F/0.75 MMCF
SWF/4300 + 2000#

DST
8345-985, Op 132",
F/3.3 MMCFGPD
Rec 206' Mud
ISIP 3438/60"
FP 1238-1062
FSIP 3475/150"

TD 9550' PB 8992'
IPF 0.474 MMCFGPD
GTY -- GOR 178,000
COMP 10-17-78

CUM (as of 11-1-79)
225,138 MCF

A.R.M.C.F. MICROGRAPHICS

BEST AVAILABLE COPY

s STEVENS, INC. NO. 3 - LULA

DEPCO, INC. NO. 1 - R & S STATE

DEPCO, INC. NO. 1 - BOGLE STATE

A'
SE

-3500'

PENNSYLVANIAN

CANYON

STRAWN

ATOKA

CHESTER

DST
8365-985, Op 132",
F/3.3 MMCFGPD
Rec 206' Mud
ISIP 3438/60"
FP 1238-1062
FSIP 3475/150"

TD 9550' PB 8992'
IPF 0.474 MMCFGPD
GTY -- GOR 178,000
COMP 10-17-78

CUM (as of 11-1-79)
225,138 MCF

PERF
8874-80
F/0.825 MMCFGPD

DST
8745-841, Op 90"
GTS 9" @ 0.629 MMCF
SFP 157
Rec 276':Mud W/Tr Cond
ISIP 3316/60"
FP 207-331
FSIP 3316/180"

DST
8865-88, Op 165",
GTS 6" @ 1.2 MCF
SFP 310
Rec 430' Cond,
20' GCM
ISC Rec 3.31 CFG, 100
cc Cond
ISIP 3321/60"
FP 208-819
FSIP 3327/180"

TD 9137' PB 9080'
IPCAOF 0.695 MMCFGPD
GTY .660 GOR Dry
COMP 8-25-77

CUM (as of 11-1-79)
932,750 MCF

PERF
16/8834-42
A/1000
ReA/3500
F/1.4 MMCFGPD
16 Bc. 64'

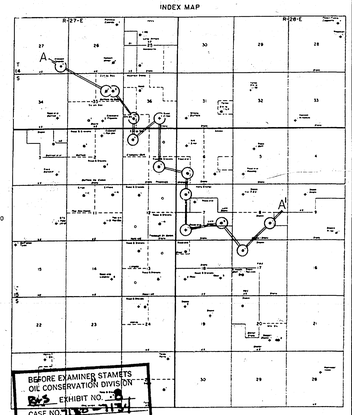
DST
8760-843, Op 305",
GTS Immed @ 4.3 MMCF
SFP 1310
Rec 187' Cond
(ISC Rec 9.36 CFG, 150
cc Mud @ 1800)
ISIP 3249/60"
FP 851-1774
FSIP 3249/180"

DST
7669-708, Op 75",
Rec 470' GCM &
656' GC Frm Wtr
ISC Rec 250 cc Frm Wtr)
ISIP 2836/60"
FP 310-484
FSIP 2643/120"

TD 9147' PB 9117'
IPCAOF 1.066 MMCFGPD
GTY .699 GOR 62,000
COMP 11-27-76

CUM (as of 11-1-79)
369,254 MCF

INDEX MAP



BEFORE EXAMINER STAMETS
OIL CONSERVATION DIVISION
EXHIBIT NO. 3
CASE NO. 7824

Submitted by
Hearing Date

STRUCTURAL
CROSS SECTION A-A'
(NW-SE)

POOL - BUFFALO VALLEY (Penn.)		County CHAVES	State N. MEX.
Geologist D.C.W.	Drwn. H's	Date 12-80	File READ & STEVENS
RADTKE, AYCOCK & ASSOC., INC. 310 WALL TOWERS WEST MIDLAND, TEXAS		EXHIBIT	

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

SOUTHWEST PROD. CORP. NO. 1 - CLEMENTS-BUFFALO COM.

READ & STEVENS, INC.

ARD NO. 1 - SINCLAIR STATE "6"

PROPOSED LOCATION

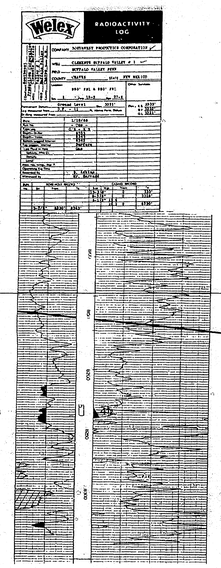
Y
WEST

Y'
EAST

-4600'

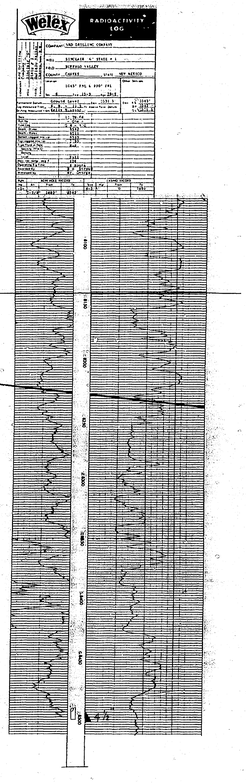
-4600'

ATOKA



GR 8235-354

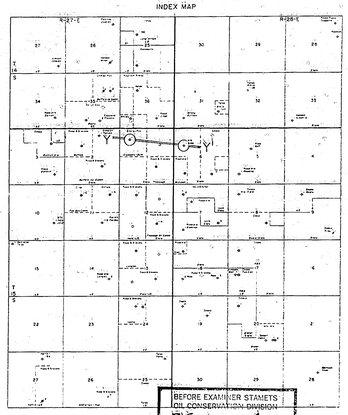
TD 8354'
IPCAOF 4.7 MMCFGPD
+ 25 B Dist/Mt
QTY .68 GOR 32,204
COMP 2-7-68
CUM (as of 11-1-79)
5,881,087 MCF



A/2000 (GR 8502-42)
Swb 50 BL, 2½", NS,
Swb 10 BL, 2", oil
show gas

TD 8542'
P & A
1-20-69

INDEX MAP



BEFORE EXAMINER STAMETS
OIL CONSERVATION DIVISION
EXHIBIT NO. 9
CASE NO. 7136 -7134
Submitted by Applicant
Hearing Date 1-14-81

STRUCTURAL
CROSS SECTION Y - Y'
(WEST - EAST)

POOL - BUFFALO VALLEY (Penn)		County CHAVES	State N. MEX
Geologist D.C.W	Drwn. H's	Date 12-80	File READ & STEVENS
RADTKE, AYCOCK & ASSOC., INC. 310 WALL TOWERS WEST MIDLAND, TEXAS			EXHIBIT

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

READ & STEVENS NO.1 - HURD

READ & STEVENS, INC.

HOLLY ENERGY, INC. NO. 2 - LULA

PROPOSED LOCATION

X
WEST

X'
EAST

-4600'

-4600'

ATOKA

CHESTER

PERF
32/8484-515
F/60Dcirc, 24°
A/500

PERF
2/8582; 8587; 8592;
Swb & F 4ph 600;000
Gas 3/8" ch

PERF
1/8626; 8627; 8628;
8629; 8630; 8631;
8639; 8640; 8641
A/600; Swb 1d; NA/500
F/0.015 MMCFD, BP/8590

TD 8694' PB 8590'
1PF 8 MMCFPD
QTY -- COM --
COMP 3-22-70
CUM (as of 11-1-79)
7,505,253 MCF

PERF
8245-308; 08 75°;
8ea 10ft 30gm
IBHP 475/60°
FP 95-21
FBHP 760/60°

PERF
8245-514; 08 35°;
GTS 3" @ 11.5 MMCFD
BPP 4000
Sqz 150' N & NC Cmtd;
IBHP 3018/60°
FP 2325-500
FBHP 3018/60°

PERF
80/8495-504
10/8536-46

No Cores or DST's

TD 8790' PB 8700'
IPCNOF 1.09 MMCFPD
QTY .693 COM 5Ny
COMP 5-3-77
CUM (as of 11-1-79)
189,426 MCF

INDEX MAP

BEFORE EXAMINER STAMETS
OIL CONSERVATION DIVISION
Exh. No. 10
CASE NO. 7136-7134
Submitted by
Hearing Date 11 81

STRUCTURAL
CROSS SECTION X-X'
(WEST-EAST)

POOL - BUFFALO VALLEY (Penn)		County CHAVES	State N. MEX
Geologist D.E.W	Drwn H's	Date 12-80	File READ&STEVENS
RADTKE, AYCOCK & ASSOC., INC. 310 WALL TOWERS WEST MIDLAND, TEXAS			EXHIBIT

N.M.O.C.C. MICROGRAPHICS
DO NOT AMALGAMATE

PAN-AMERICAN PET. CORP. NO. 1 - FEDERAL GAS COM "D"

READ & STEVENS, INC.

READ & STEVENS, INC. NO. 1-A - TROBAUGH STATE

W
WEST

PROPOSED LOCATION

W'
EAST

-4600'

-4600'

SP-DST
8252-352, Op 1',
Rec 534' M, (Both
SP-DST)
ISIP 463/45"
FP 212-251
FSIP 656/2'

ATOKA

CORED
8341-77
Rec 30' being 28' lm, dense, w/sh stks; 2' shale

CORED
8377-413
Rec 34' being 14' sd, 32%' shly lm

CORED
8413-52
Rec 39' lm & siltstone & blk sh

SP-DST
8424-524, Op 2',
GTS 14" @ 0.116
MMCFGPD,
ISIP 2509/45"
FP 96-135
FSIP 2586/2'

TD 8603' PB 2570'
P & A
5-19-69

CORED
8460-521, Rec 32' blk sh & sd w/ scat show oil

CORED
8521-56, Rec 25' blk sh & sd w/sli stain

CORED
8581-97, lost core - no record

PERF
8/8516-20; 14/8526-33;
8/8550-62; 24/8581-93
F/1.6 MMCFGPD on 1" Ch
A/500 (didn't break)

RE-PERF
24/8581-93
A/250 8550-93
F/0.010 MMCFGPD
bwA/2000 8550-93
F/0.38 MMCFGPD

PERF
12/8624-30; 12/8639-45
A/250
F/1.4 MMCFGPD

DST
8279-556, Op 4',
GTS 9"
F/4.25 MMCFGPD
Rec 430' Cond
ISIP 3167/20"
FP 528-988
FSIP 3075/2'

DST
8695-790, Op 2',
Rec 30' Mud
ISIP 163/30"
FP 116-116
FSIP 186/60"

CHESTER

TD 6790' PB 8688'
IPCOF 2.08 MMCFGPD
GTY .673 GOR --
COMP 4-7-71
CUM (as of 11-1-79)
1,454,097 MCF

INDEX MAP

R27-E R28-E

W-W'

BEFORE EXAMINER STAMETS
OIL CONSERVATION DIVISION
P-S EXHIBIT NO. 11
CASE NO. 7130 - 7134
Submitted by Trobaugh
Hearing Date 1/14/81

STRUCTURAL
CROSS SECTION W-W'
(WEST - EAST)

POOL - BUFFALO VALLEY (Penn)		County CHAVES	State N. MEX.
Geologist D.C.W.	Drwn. H's	Date 12-80	File READ & STEVENS
RADTKE, AYCOCK & ASSOC., INC. 310 WALL TOWERS WEST MIDLAND, TEXAS			EXHIBIT

V.N.M.C.P. MICROGRAPHICS
WEST ALBUQUERQUE OFFICE

READ & STEVENS, INC. NO. 1 - LANGLEY COM.

READ & STEVENS, INC.

READ & STEVENS, INC. NO. 1 - PIATT STATE COM.

PROPOSED LOCATION

V
WEST

V'
EAST

-4600'

-4600'

ATOKA

CHESTER

DST
8282-608, Op 91",
GTS 6" @ 2.472 MMCFGPD
Rec 265' GCMW
ISIP 3243/59"
FP 919-963
FSIP 3281/180"

PERF
25/8626-46 (Natural)

PERF
25/8742-51
A/500 + 1000 Gal
Swb dry

5½"

TD 8815' PB 8769'
IPCOF 4.8 MMCFGPD
GTY .625 GOR 13,333
COMP 3-31-73
CUM (as of 11-1-79)
2,053,812 MCF

PERF
16/8625-33, 12/8650-56
A/2000, F/0.1 MMCFGPD;
W/40,000 (72,500#) @
PF 8625-56

DST
8536-842, Op 3',
GTS 16" @ 0.74 MMCFGPD,
Rec. 822' GCM
ISIP 2827/60"
FP 444-421
FSIP 3242/325"

5½"

TD 8842'
IPF 0.574 MMCFGPD
GTY -- GOR --
COMP 7-31-72
CUM (as of 11-1-79)
2,138,776 MCF

INDEX MAP

R-27-E

R-28-E

V

V'

BEFORE EXAMINER STAMETS
OIL CONSERVATION DIVISION
R+S EXHIBIT NO. 12
CASE NO. 7850-7134
Submitted by WHARTON
Hearing Date 1/14/81

STRUCTURAL
CROSS SECTION V-V'
(WEST - EAST)

POOL - BUFFALO VALLEY (Penn)		County CHAVES	State N. MEX.
Geologist D.C.W.	Drwn. H's	Date 12-80	File READ & STEVENS
RADTKE, AYCOCK & ASSOC., INC. 310 WALL TOWERS WEST MIDLAND, TEXAS		EXHIBIT	

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

READ & STEVENS, INC. NO. 2 - LANGLEY COP

READ & STEVENS, INC.

READ & STEVENS, INC. NO. 1 - ROSE

PROPOSED LOCATION

U
WEST

U'
EAST

-4600'

-4600'

DST
8250-568, Op 2"15".
GTS 2" @ 0.365 MMCFGPD
Rec 543' SOCM
ISIP 2329/1'
FP 340-559
FSIP 3687/3"

ATOKA

PERF
8626-44; 8652-56;
8672-84; 8684-90;
8694-702;
A/3500; F/0.3 MMCFGPD
WF/40,000 + 72,500# -
Pfs @ 8672-702
F/0.05 MMCFGPD

PERF
24/8748-60; A/2000
Swb 42 BL 5'
F/0.02 MMCFGPD & Died
Swb dry
SWF/22,500 + 67,500#
F/0.259 MMCFG on 5/8"

CHESTER

DST
8320-719, Op 5"23"
GTS 7" @ 2.1 MMCFG
on 32/64" ch
SFP 425-328,
Rec 180' FM
460' GCMW
ISIP 3300/60"
FP 953-1221
FSIP 3264/3"

DST
8710-69, Op 83",
Gas @ 112,680 CFG
Rec 290' GCMW
ISIP 1205/1'
FP 92-166
FSIP 2163/120"

TD 8850'
P & A
4-16-74

TD 8891' PB 8730'
IPCOF 0.68 MMCFGPD
GTY .625 GOR 96,999
COMP 1-18-75
CUM (as of 11-1-79)
597,150 MCF

INDEX MAP

R-27-E R-28-E

T 16 S

U — U'

BEFORE EXAMINER STAMETS
OIL CONSERVATION DIVISION
R&S EXHIBIT NO. 13
CASE NO. 7130 - 7134
Submitted by WAMPLER
Hearing Date 1/14/81

STRUCTURAL
CROSS SECTION U-U'
(WEST - EAST)

POOL - BUFFALO VALLEY (Penn)		County CHAVES	State N. MEX
Geologist D.C.W	Drwn. H's	Date 12-80	File READ & STEVENS
RADTKE, AYCOCK & ASSOC., INC. 310 WALL TOWERS WEST MIDLAND, TEXAS			EXHIBIT

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

READ & STEVENS, INC. NO. 1 - CITGO STATE COM.

READ & STEVENS, INC.

READ & STEVENS, INC. NO. 1 TROBAUGH STATE

READ & STEVENS, INC.

READ & STEVENS, INC. NO. 1-A - TROBAUGH STATE

READ & STEVENS,

PROPOSED LOCATION

PROPOSED LOCATION

PROPOSED LO

Z
NORTH

-4600'

ATOKA

CHESTER

DST
8124-475 (Atoka)
Op 90", Rec 450' GIP
ISIP 443/60"
FP 221-243
FSIP 642/60"

DST
8181-605, Op 75";
GTS 16"; Gas @
3.088 MMCFGPD
Rec 60' DM,
ISIP 2896/60"
FP 46-93
FSIP 2827/120"

TD 8475'
P & A
7-13-72

PERF
26/8443-68
A/750
F/3 MMCFG

DST 8344-480; Op 90";
F/Gas @ 5.75 MMCFG
ISIP 3058/60"
FP 912-2809
FSIP 3030/90"

DST 8346-845; Op 75";
Rec 150' Mud
ISIP 342/60"
FP 160-213
FSIP 237/60"

TD 8590' PB 8543'
IPF 3.5 MMCFGPD
QTY -- GOR --
COMP 5-17-70
CUM (as of 11-1-79)
7,607,508 MCF

CORED
8480-511; Rec 32' blk sh &
sd w/gcut show oil

CORED
8521-56; Rec 25' blk sh &
sd w/oil stain

CORED
8581-97, lost core- no record

PERF
8/8516-30; 14/8526-33;
8/8558-62; 24/8581-93;
F/1.6 MMCFGPD on 1" ch
A/500 (didn't break)

RE-PERF
24/8581-93
A/250 8558-81
F/0.010 MMCFGPD
RUN/1000 8558-93
F/0.38 MMCFGPD

PERF
13/8624-30; 12/8639-45
A/250
F/1.4 MMCFGPD

DST
8270-556, Op 4",
SIS 9"
F/4.25 MMCFGPD
Rec 475' Cbsd
ISIP 3367/20"
FP 525-868
FSIP 2975/2"

DST
8695-790, Op 2"
Rec 30' Mud
ISIP 163/30"
FP 116-116
FSIP 186/60"

TD 8790' PB 8688'
IPCOF 2.08 MMCFGPD
QTY .673 GOR --
COMP 4-7-71
CUM (as of 11-1-79)
1,454,095 MCF

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

NO. 1-A - TROBAUGH STATE

READ & STEVENS, INC.

PROPOSED LOCATION

READ & STEVENS, INC. NO. 1 - ROSE

READ & STEVENS, INC. NO. 2 - HARRIS FEDERAL

Z'

SOUTH

-4600'

ATOKA

DST
8270-556, Op 4',
GTS 9"
F/4.25 MMCFGPD
Rec 430' Cond
ISIP 3167/20"
FP 528-988
FSIP 3075/2'

DST
8695-790, Op 2'
Rec 30' Mud
ISIP 163/30"
FP 116-116
FSIP 186/60"

PERF
8826-44; 8652-56;
8672-84; 8684-90;
8696-702;
A/3500; F/0.3 MMCFGPD
WF/40,000 + 72,500# -
Pfs @ 8672-702
F/0.05 MMCFGPD

DST
8320-710, Op 5'23",
GTS 7" @ 2.1 MMCFG
CK 12/64" ch
SFP 425-320,
Rec 180' SM
460' GCMW
ISIP 3300/60"
FP 953-1223
FSIP 3244/3"

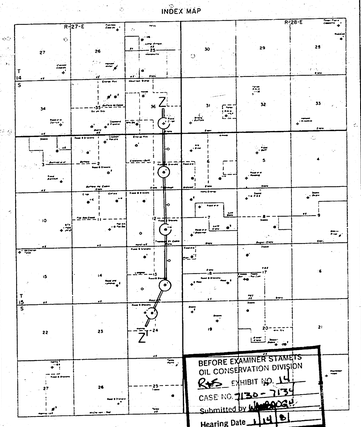
PERF
12/8566-72; 16/8599-607;
8/8734-38; 8/8743-47;
12/8756-62; 10/8802-07;
A/4000, F/0.4 MMCFGPD,
WF/39,000 (65,200) @ Pf 8734-807
WF/40,000 (65,000) @ Pf 8566-607
F/0.75 MMCFGPD

DST
8710-69, Op 83",
Gas @ 112,680 CFG
Rec 290' GCMW
ISIP 1295/1"
FP 93-166
FSIP 2162/120"

DST
8475-966, Op 2'15"
GTS 19" @ 0.225 MMCFGPD
Rec 600' GCMW
ISIP 3029/1'
FP 509-562
FSIP 3317/360"

SDC
.326-560, Op 3'15", Gas @
5000 CFG inc to 0.025 MMCFGPD
inc to 0.040 MMCFG
ISIP 1203/1'
FP 494-494
FSIP 1596/4'

INDEX MAP



BEFORE EXAMINER STAMETS
OIL CONSERVATION DIVISION
EXHIBIT NO. 14
CASE NO. 7130 - 7134
Submitted by
Hearing Date 1/14/81

TD 8891' PB 8730'
IPCOF 0.68 MMCFGPD
GTY .625 GOR 96,999
COMP 1-18-75
CUM (as of 11-1-79)
597,130 MCF

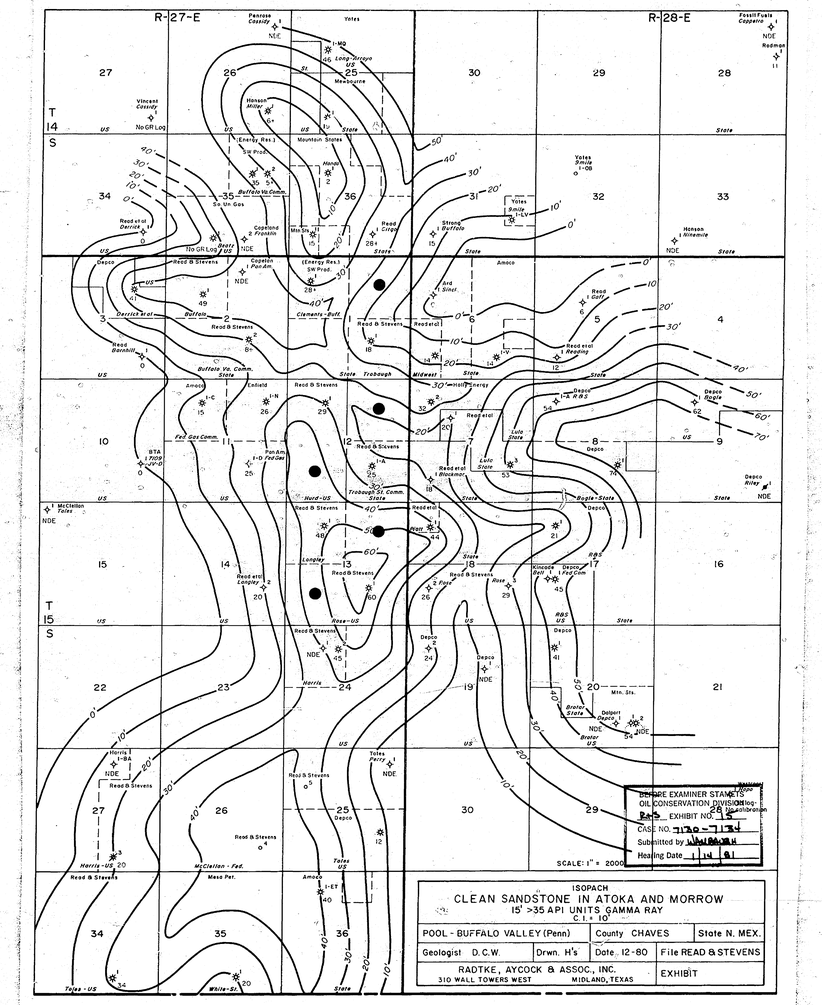
TO 8966'
CAOF TEST 2-1-75 6.3 MMCFGPD
GTY -- GOR --
COMP 2-1-74
CUM (as of 11-1-79)
284,104 MCF

PB 8688'
2.08 MMCFGPD
GOR --
4-7-71
s of 11-1-79)
154,097 MCF

STRUCTURAL
CROSS SECTION Z-Z'
(NORTH-SOUTH)

POOL - BUFFALO VALLEY (Penn)		County CHAVES	State N. MEX
Geologist D.C.W.	Drwn. H's	Date 12-80	File READ & STEVENS
RADTKE, AYCOCK & ASSOC., INC. 310 WALL TOWERS WEST MIDLAND, TEXAS			EXHIBIT

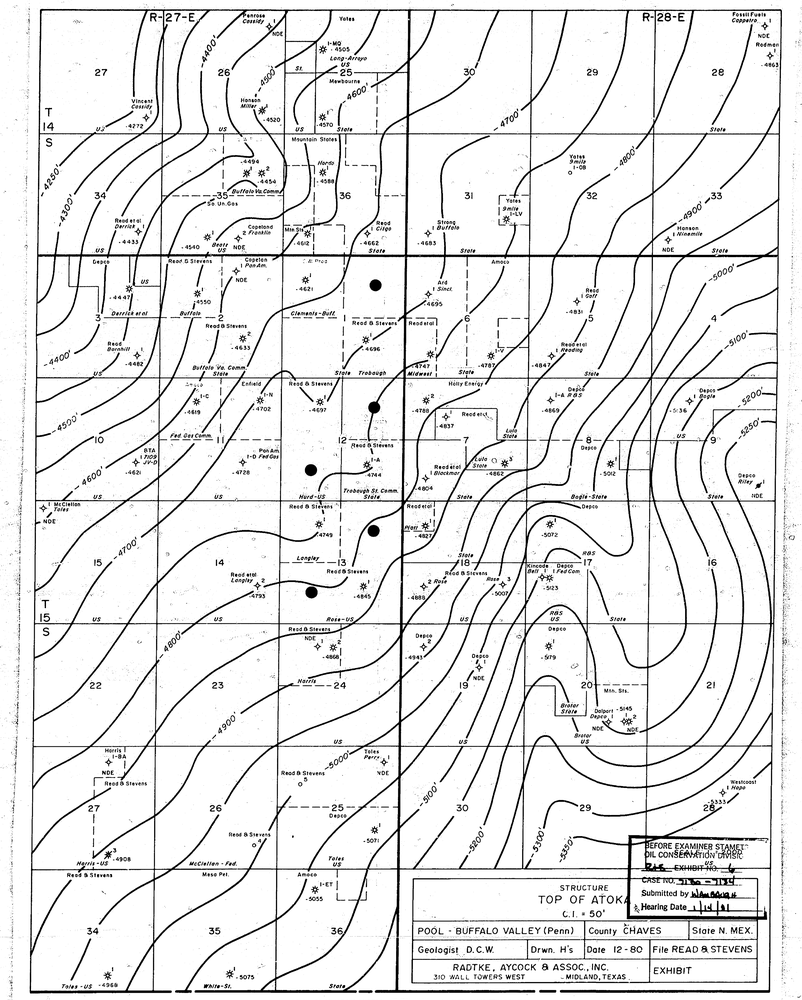
U.S.N.C.F. MICROGRAPHICS
BEST AVAILABLE COPY



ISOPACH
CLEAN SANDSTONE IN ATOKA AND MORROW
15' >35 API UNITS GAMMA RAY
C.I. = 10'

POOL - BUFFALO VALLEY (Penn)		County CHAVES	State N. MEX.
Geologist D.C.W.	Drwn. H's	Date 12-80	File READ & STEVENS
RADTKE, AYCOCK & ASSOC., INC. 310 WALL TOWERS WEST MIDLAND, TEXAS			EXHIBIT

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


R-27-E
R-28-E
T 14 S
T 15 S
4400'
4500'
4600'
4700'
4800'
4900'
5000'
5100'
5200'
5250'
5300'
4300'
4250'
Yates
Mountain States
Amoco
Depco
Vincent Cassidy
Hanson Mills
Mewbourne
Hondo
Reed etal Jarrod
Copeland & Franklin
Reed & Stevens
Cimarex-Bulf.
Buffalo
Buffalo Va. Comm.
Enfield
Fed Gas Comm.
Pan Am. Fed Gas
Hondo-USA
Treadwell
Treadwell St. Comm.
Reed etal Longley
Longley
Reed etal Blackmar
Luke State
Hall
Depco State
Depco Riley
Depco Bogle
Depco Fed Com
Depco Bell
Depco Mon. 3
Depco Mon. 5
Depco Mon. 4
Depco Mon. 2
Depco Mon. 1
Depco Mon. 6
Depco Mon. 7
Depco Mon. 8
Depco Mon. 9
Depco Mon. 10
Depco Mon. 11
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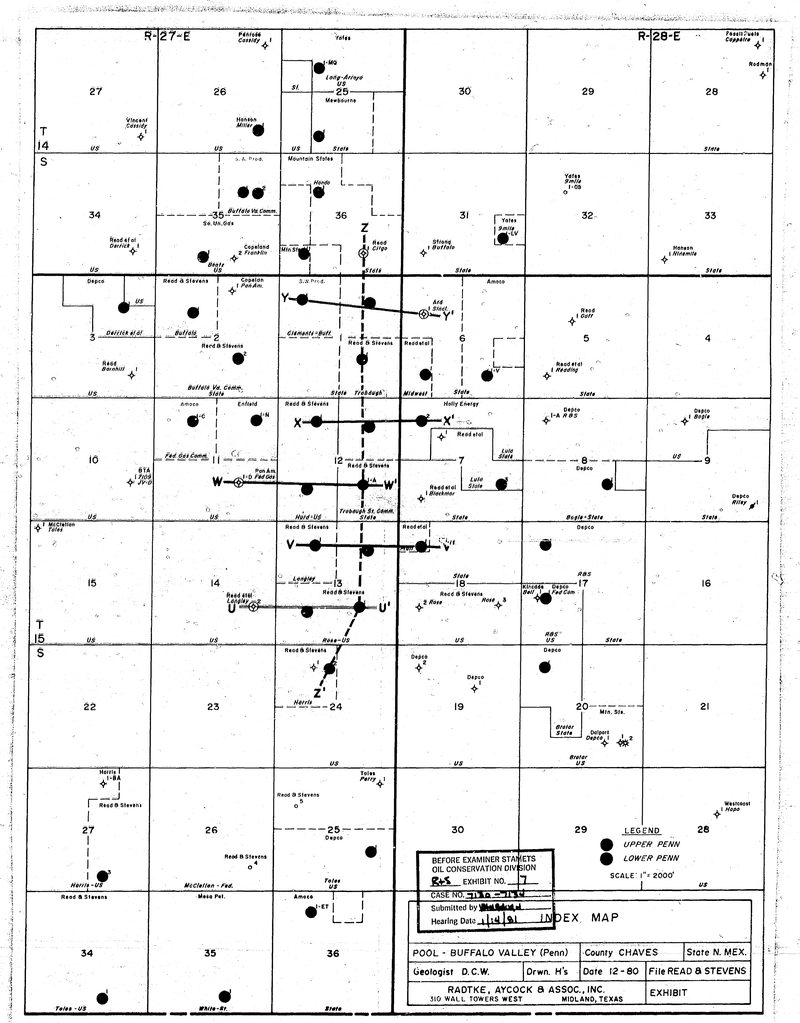
Depco Mon. 16
Depco Mon. 17
Depco Mon. 18
Depco Mon.



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

VINCENT & WELCH, INC. NO. 1 - FRED M. CASSIDY - FED.

SOUTHWEST PRODUCTION CORPORATION NO. 1 - BUFFALO VALLEY COM

SOUTHWEST PRODUCTION CORPORATION NO. 2 - BUFFALO VALLEY COM

MOUNTAIN STATES PET

A
NW

-3500'

PENNSYLVANIAN

CANYON

STRAWN

ATOKA

CHESTER

WOODFORD

DEVONIAN

ELLENBURGER

DST
8033-146, Op 1',
Rec 950' WB
and 30' Mud ?

PERF
48/8142-67
A/2000 8142-73
A/400 8142-96
WF/60,000 + 75008
all perfs 8142-96

PERF
6/8167-73; 18/8178-96
Swb & F GAS & Dist

DST
8550-710, Op 1',
Rec 660' SW
FP 500-3500
30 BH 3750

DST
8259-336, Op 2'30"
Rec 900' WB +
4700' Sal Wtr
FP 950-225
30 BH 3750

TD 9346'
P & A
10-22-52

4½"

TD 8393' PB 8327'
IPF 1.4 MMCFGPD
GTY -- GOR --
COMP 2-7-68

CUM (as of 10-1-69)
21,039 MCF (P & A 5-70)

DST
8173-270, Op 3',
GTS 3" @ 1.75 MM max
5 MMCFGPD
Rec 600' HGCM,
30' Cond
ISIP 3215/60"
FP 480-510
FSIP 3215/60"

OH 8125-73

TD 8173'
IPF 56 B Cond PD
+ 3.8 MMCFG
GTY -- GOR --
COMP 9-18-69

CUM (as of 11-1-79)
691,027 MCF

PERF 6/8230-32; 18/8230-47
8/8254-58
A/3000
FARO 1.25 MMCFGPD

PERF
40/8296-306
A/2000
FARO 1 MMCFGPD

PERF
40/8366-76
S/Oty
BP 8350

TU 950
IPCAO
GTY

CUM (
0

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

ION NO. 2 - BUFFALO VALLEY COM

MOUNTAIN STATES PET. CORP. NO. 1 - STATE COM

SOUTHWEST PROD. CORP. NO. 1 - CLEMENTS-BUFFALO COM

READ & STEVENS, INC. NO. 1 - CITGO STATE COM

READ & STEVENS NO. 1 - TROBAUGH STATE

REA

PENNSYLVANIAN

CANYON

STRAWN

ATOKA

8173'
3 Cond FD
9 MMCFG
GOR --
3-18-69

of 11-1-79)
,027 MCF

PERF 4/8230-32; 18/8238-47
8/8254-58
A/3000
FABO 1.25 MMCFGPD

PERF
40/8296-306
A/2000
FABO 1 MMCFGPD

PERF
40/8366-76
S/dry
BP 8350

TD 8500' PB 8350'
IPCAOF 0.867 MMCFGPD
GTY .653 GOR TSTM
COMP 4-11-75

CUM (as of 11-1-79)
659,413 MCF

DST
8120-393, Op 2'30",
GTS 6" @ 3.5 MMCFGPD
ISIP 1462/60"
FP 959-1104
FSIP 1453/120"

OH 8235-354

TD 8354'
IPCAOF 4.7 MMCFGPD'
+ 25 B Dist/MM
GTY .68 GOR 32,204
COMP 2-7-68

CUM (as of 11-1-79)
5,881,087 MCF

TD 8475'
P & A
7-13-72

DST
8124-475 (Atoka)
Op 90", Rec 450' FM
ISIP 443/60"
FP 221-243
FSIP 642/60"

DST
8301-403, Op 75",
GTS 38", Gas @
0.088 MMCFGPD
Rec 60' FM
ISIP 2896/60"
FP 46-93
FSIP 2827/120"

PERF
26/8443-68
A/130
F/7 MMCFG

TD 8590' PB 8543'
IPF 3.5 MMCFGPD
GTY -- GOR --
COMP 3-17-70

CUM (as of 11-1-79)
1,607,508 MCF

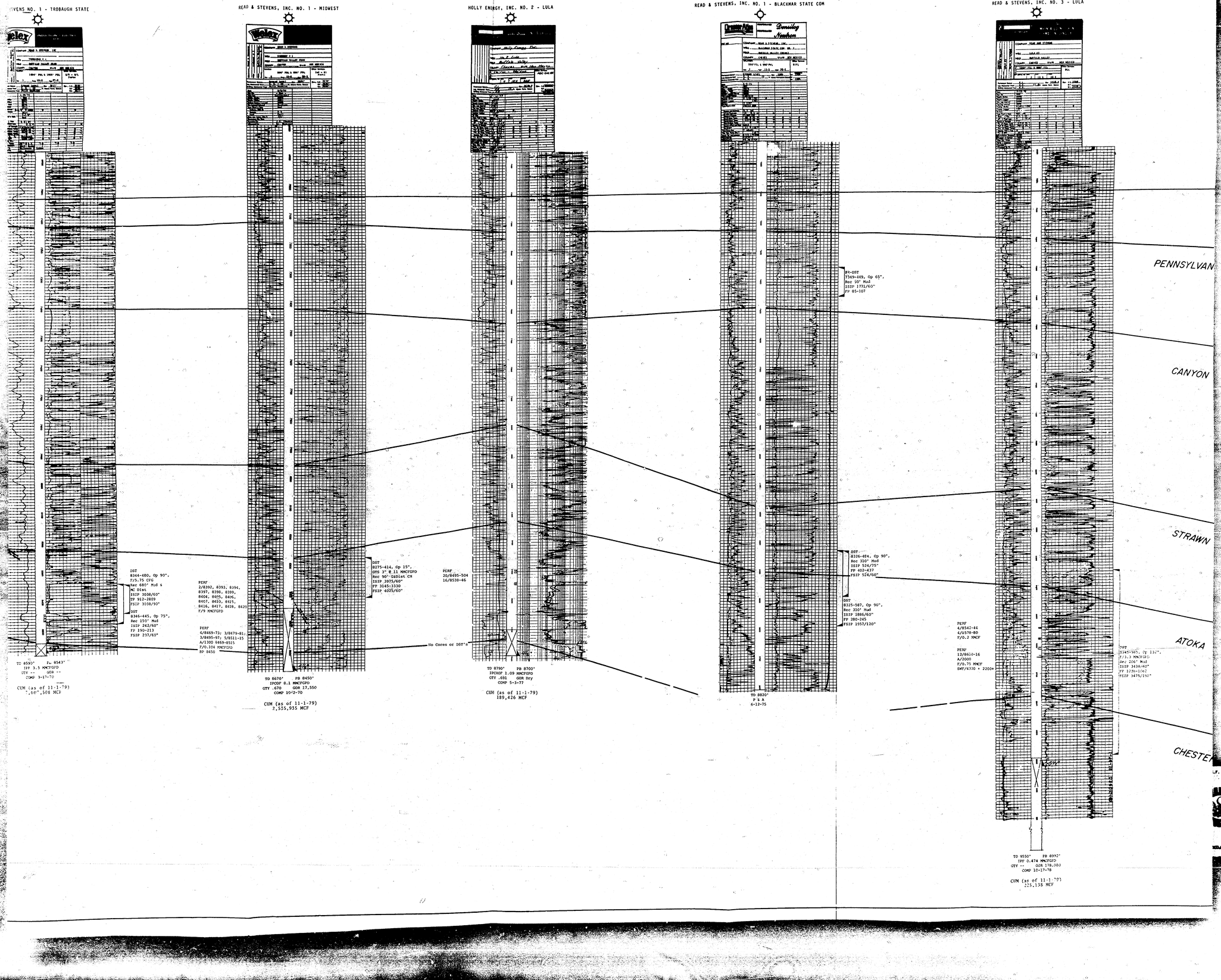
DST
8344-480, Op 90",
F/.35 CFG
Rec 680' Mud &
MC Dist
ISIP 3038/60"
FP 312-2809
FSIP 3038/90"

DST
8340-445, Op 75",
Rec 150' Mud
ISIP 242/60"
FP 190-213
FSIP 237/60"

PERF
2/8392, 8393, 8394,
8397, 8398, 8399,
8404, 8405, 8406,
8407, 8410, 8415,
8416, 8417, 8418, 8420
F/9 MMCFGPD

PERF
4/8469-73; 1/8479-81;
3/8495-97; 5/8511-15
A/1300 8469-8515
F/0.104 MMCFGPD
BP 8450

APHICS



L.F. MICROGRAPHICS
NOT REPRODUCIBLE

READ & STEVENS, INC. NO. 3 - LULA

DEPCO, INC. NO. 1 - R & S STATE

DEPCO, INC. NO. 1 - NOGLE STATE

A'
SE

-3500'

PENNSYLVANIAN

CANYON

STRAWN

ATOKA

CHESTER

DST
7669-708, Op 75",
Rec 470' GCM &
658' GC Frm Wtr
(SC Rec 250 cc Frm Wtr)
ISIP 2826/60"
FP 310-484
FSIP 2642/120"

DST
8345-985, Op 132",
F/3.3 MMCFGPD
Rec 206' Mud
ISIP 3438/60"
FP 1238-1062
FSIP 3475/150"

PERF
8874-80
F/0.825 MMCFGPD

DST
8745-841, Op 90"
GTS 9" @ 0.629 MMCF
SFP 157
Rec 276' Mud W/Tr Cond
ISIP 3316/60"
FP 287-331
FSIP 3316/180"

DST
8865-88, Op 165",
GTS 6" @ 1.2 MCF
SFP 310
Rec 430' Cond,
20' GCM
(SC Rec 3.31 CFG, 100
cc Cond
ISIP 3321/60"
FP 208-819
FSIP 3321/180

PERF
16/8834-42
A/1000
HnA/3500
F/1.4 MMCFGPD
16 BC, 65°

DST
8760-843, Op 105",
GTS Immed @ 4.3 MMCF
SFP 1310
Rec 187' Cond
(SC Rec 9.36 CFG, 150
cc Mud @ 1830#)
ISIP 3249/65"
FP 851-1774
FSIP 3249/180"

TD 9550' PB 8997'
IPF 0.474 MMCFGPD
GTY -- GOR 178,000
COMP 10-17-78

CUM (as of 11-1-79)
225,138 MCF

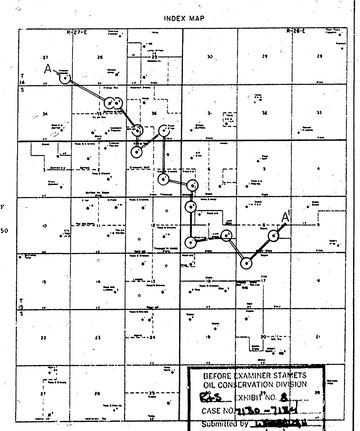
TD 9137' PB 9080'
IPCAOF 0.695 MMCFGPD
GTY .660 GOR Dry
COMP 8-25-77

CUM (as of 11-1-79)
932,750 MCF

TD 9147' PB 9117'
IPCAOF 1.066 MMCFGPD
GTY .699 GOR 62,000
COMP 11-27-76

CUM (as of 11-1-79)
369,254 MCF

INDEX MAP



BEFORE EXAMINER STAMETS
OIL CONSERVATION DIVISION
EXHIBIT NO. 8
CASE NO. 7730 - 7734
Submitted by
Hearing Date 1/14/81

STRUCTURAL CROSS SECTION A-A' (NW - SE)

POOL - BUFFALO VALLEY (Penn.)		County CHAVES	State N. MEX.
Geologist D.C.W.	Drwn. H's	Date 12-80	File READ & STEVENS
RADTKE, AYCOCK & ASSOC., INC. 310 WALL TOWERS WEST MIDLAND, TEXAS			EXHIBIT

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

SOUTHWEST PROD. CORP. NO. 1 - CLEMENTS-BUFFALO COM.

READ & STEVENS, INC.

ARD NO. 1 - SINCLAIR STATE "6"

Y
WEST

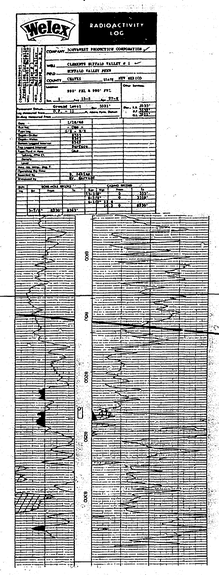
Y'
EAST

PROPOSED LOCATION

-4600'

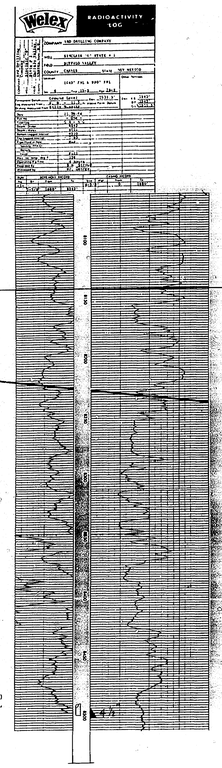
-4600'

ATOKA



OH 8235-354

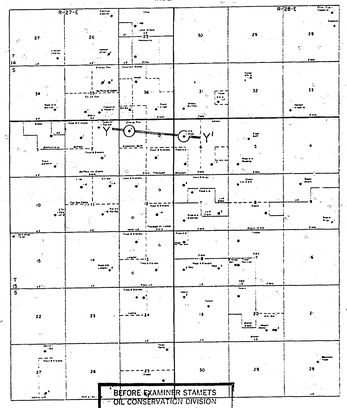
TD 8354'
IPCAOF 4.7 MMCFGPD
+ 25 B Dist/Mct
GTY .68 GOR 32,204
COMP 2-7-68
CUM (as of 11-1-79)
5,881,087 MCF



A/2000 (OH 8502-42)
Swb 50 Bl., 2½", NS,
Swb 10 Bl., 2', all
show gas

TD 8542'
P & A
1-20-69

INDEX MAP



BEFORE EXAMINER STAMETS
OIL CONSERVATION DIVISION
R+S EXHIBIT NO. 9
CASE NO. 7130 -7134
Submitted by LAMAR BAKER
Hearing Date 1 14 81
STRUCTURAL

CROSS SECTION Y-Y'
(WEST-EAST)

POOL - BUFFALO VALLEY (Penn)		County CHAVES	State N. MEX
Geologist D.C.W.	Drwn. H's	Date 12-80	File READ & STEVENS
RADTKE, AYCOCK & ASSOC., INC. 310 WALL TOWERS WEST MIDLAND, TEXAS			EXHIBIT

M.R.N.C.P. MICROGRAPHICS
NOT AVAILABLE COPY

READ & STEVENS NO.1 - HURD

READ & STEVENS, INC.

HOLLY ENERGY, INC. NO. 2 - LULA

X
WEST

X'
EAST

PROPOSED LOCATION

-4600'

-4600'

ATOKA

CHESTER

DST
8245-306, Op 75",
Rec 100' Mud
ISIP 475/60"
FP 95-71
FSIP 760/90"

DST
8245-514, Op 35",
GTS 3" @ 11.5 MMCFG
SFP 4404
Rec 150'-M & MC Cond.
ISIP 3018/60"
FP 2325-602
FSIP 3018/60"

PERF
32/8484-515
F/80MCFG, 24'
A/500

PERF
2/8582, 8587, 8592,
Swb & F est 600,000
on 3/87 ch

PERF
1/8626, 8627, 8628,
8629, 8630, 8637,
8639, 8640, 8641
A/600, Swb 1d. MA/500
F/0.015 MMCFG, BF/8590

PERF
20/8495-504
16/8538-46

No Cores or DST's

TD 8699' PB 8590'
IPF 8 MMCFGPD
GTY -- GOR --
COMP 3-22-70
CUM (as of 11-1-79)
7,505,253 MCF

TD 8790' PB 8700'
IPCAOF 1.09 MMCFGPD
GTY .691 GOR Dry
COMP 5-3-77
CUM (as of 11-1-79)
189,426 MCF

INDEX MAP

R-27-E

R-28-E

BEFORE EXAMINER STAMETS
OIL CONSERVATION DIVISION
EXHIBIT NO. 10
CASE NO. 7130 -7134
Submitted by READ&STEVENS
Hearing Date 1/14/81

STRUCTURAL
CROSS SECTION X-X'
(WEST - EAST)

POOL - BUFFALO VALLEY (Penn)		County CHAVES	State N. MEX
Geologist D.C.W.	Drwn. H's	Date 12-80	File READ & STEVENS
RADTKE, AYCOCK & ASSOC., INC. 310 WALL TOWERS WEST MIDLAND, TEXAS			EXHIBIT

U.S.W.G.C.F. MICROGRAPHICS
BEST AVAILABLE COPY

PAN-AMERICAN PET. CORP. NO. 1 - FEDERAL GAS COM "D"

READ & STEVENS, INC.

READ & STEVENS, INC. NO. 1-A - TROBAUGH STATE

PROPOSED LOCATION

W
WEST

W'
EAST

-4600'

-4600'

ATOKA

CHESTER

CORED
8141-77
Rec 30' being 28' lm, dense; w/sh stks; 2' shale

CORED
8377-413
Rec 34' being 1½' sd, 32½' shly lm

CORED
8413-52'
Rec 39' lm & siltstone & blk sh

TD 6603' PB 2570'
P & A
5-10-69

DST
8252-352; Op 1', Rec 534' M, (Both SP-DST)
ISIP 463/45"
FP 212-251
FSIP 656/2'

SP-DST
8424-524, Op 2', GTS 14" @ 0.116 MMCFGPD,
ISIP 2509/45"
FP 96-135
FSIP 2506/2'

CORED
8480-521; Rec 31' blk sh & sd W/ stak show oil

CORED
8521-36; Rec 15' blk sh & sd w/oil stain

CORED
8581-97; lost core - no record

DST
8(8536-20) 14/8536-131
8/8536-62; 20/8581-93
P/1.6 MMCFGPD 5A 1" ch
A/500 (8180'± bleed)

RE-TEST
24/8581-93
A/250 8558-93
P/0.010 MMCFGPD
Wtr/2000 8558-93
P/0.38 MMCFGPD

DST
12/8624-36; 12/8639-45
A/250
P/1.4 MMCFGPD

DST
8270-556; Op 4',
STG 9"
1/4.25 Hdchate
Rec 430' Cond
ISIP 3187/20"
FP 528-988
FSIP 3078/2'

DST
8696-790, Op 2',
Rec 30' Mud
ISIP 143/30"
FP 116-116
FSIP 186/60"

TD 8790' PB 8688'
IPCOF 2.08 MMCFGPD
GTY .673 GOR --
COMP 4-7-71
CUM (as of 11-1-79)
1,454,097 MCF

INDEX MAP

R-27-E R-28-E

BEFORE EXAMINER STAMETS
OIL CONSERVATION DIVISION
Rio EXHIBIT NO. 11
CASE NO. 7138 - 7134
Submitted by Read & Stevens
Hearing Date 1/14/81

STRUCTURAL
CROSS SECTION W-W'
(WEST - EAST)

POOL - BUFFALO VALLEY (Penn)		County CHAVES	State N. MEX.
Geologist D.C.W.	Drwn. H's	Date 12-80	File READ & STEVENS
RADTKE, AYCOCK & ASSOC., INC. 310 WALL TOWERS WEST MIDLAND, TEXAS			EXHIBIT

READ & STEVENS, INC. NO. 1 - LANGLEY COM.

READ & STEVENS, INC.

READ & STEVENS, INC. NO. 1 - PIATT STATE COM.

V
WEST

PROPOSED LOCATION

V'
EAST

-4600'

-4600'

DST
8282-608, Op 91",
GTS 6" 02.472 MMCFGPD
Rec 285' GCMW
ISIP 3243/59"
FP 919-963
FSIP 3287/180"

ATOKA

PERF
25/8626-46 (Natural)

PERF
25/8742-51
A/500 + 1000 Gal
Swb dry

PERF
16/8625-33, 12/8650-56
A/2000, F/0.1 MMCFGPD;
WF/40,000 (72,500#) 0
PE 8625-56

DST
8536-842, Op 3",
GTS 16" @ 0.74 MMCFGPD,
Rec. 622' GCM
ISIP 2827/60"
FP 444-421
FSIP 3242/225"

TD 8815' PB 8769'
IPCOF 4.8 MMCFGPD
GTY .625 GOR 13,333
COMP 3-31-73
CUM (as of 11-1-79)
2,053,812 MCF

CHESTER

TD 8842'
IPF 0.574 MMCFGPD
GTY -- GOR --
COMP 7-31-72
CUM (as of 11-1-79)
2,138,776 MCF

INDEX MAP

R27-E R28-E

V V'

BEFORE EXAMINER STAMETS
OIL CONSERVATION DIVISION
R&S EXHIBIT NO. 12
CASE NO. 7130-7134
Submitted by [illegible]
Hearing Date 1 19 81

STRUCTURAL
CROSS SECTION V - V'
(WEST - EAST)

POOL - BUFFALO VALLEY (Penn)		County CHAVES	State N. MEX
Geologist D.C.W.	Drwn. H's	Date 12-80	File READ & STEVENS
RADTKE, AYCOCK & ASSOC., INC. 310 WALL TOWERS WEST MIDLAND, TEXAS			EXHIBIT

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

READ & STEVENS, INC. NO. 2 - LANGLEY COM.

READ & STEVENS, INC.

READ & STEVENS, INC. NO. 1 - ROSE

PROPOSED LOCATION

U
WEST

U'
EAST

-4600'

-4600'

DST
8250-598, Op 2'15",
GTS 2" @ 0.365 MMCFCPD
Rec 543' SGCM
ISIP 2329/1'
FP 340-559
FSIP 3087/3'

ATOKA

PERF
8626-44; 8652-56;
8672-84; 8684-90;
8694-702;
A/3500; F/0.3 MMCFGPD
WF/40,000 + 72,500# -
Pfs @ 8672-702
F/0.05 MMCFGPD

PERF
24/8748-60; A/2000
Sub 42 BL 5'
F/0.02 MMCFGPD & Died
Sub dry
SWF/22,500 + 67,500#
F/0.259 MMCFG on 5/8" ck

CHESTER

DST
8320-710, Op 5'23"
GTS 7" @ 2.1 MMCFG
on 32/64" ck
SFP 425-338,
Rec 180' FM
460' GCMW
ISIP 3300/60"
FP 953-1221
FSIP 3244/3'

DST
8710-69, Op 83",
Gas @ 112,480 CFG
Rec 250' GCMW
ISIP 1295/1'
FP 92-106
FSIP 2163/120"

TD 8850'
P & A
4-16-74

TD 8891' PB 8739'
IPCUF 0.68 MMCFCPD
GTY .625 GOR 96,999
COMP 1-10-75
CUM (as of 11-1-79)
597,130 MCF

INDEX MAP

R-27-E R-28-E

T 16 S

U U'

BEFORE EXAMINER STAMETS
OIL CONSERVATION DIVISION
Case EXHIBIT NO. 13
CASE NO. 7139-7134
Submitted by NMOCD/H
Hearing Date 1/14/81

STRUCTURAL
CROSS SECTION U-U'
(WEST - EAST)

POOL - BUFFALO VALLEY (Penn)		County CHAVES	State N. MEX
Geologist D.C.W.	Drwn. H's	Date 12-80	File READ & STEVENS
RADTKE, AYCOCK & ASSOC., INC. 310 WALL TOWERS WEST MIDLAND, TEXAS			EXHIBIT

N.M.N.C.F. MICROGRAPHICS
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READ & STEVENS, INC. NO. 1 - CITGO STATE COM.

READ & STEVENS, INC.

READ & STEVENS, INC. NO. 1 TROBAUGH STATE

READ & STEVENS, INC.

READ & STEVENS, INC. NO. 1-A - TROBAUGH STATE

READ & STEVE

PROPOSED LOCATION

PROPOSED LOCATION

PROPOSED

Z
NORTH

-4600'

ATOKA

CHESTER

DST
8124-475 (Atoka)
Op 90", Rec 450' MW
ISIP 443/60"
FP 221-263
FSIP 642/60"

DST
8381-405, Op 75",
GTS 10", Gas @
0.088 MMCFGPD
Rec 60' SM,
ISIP 2896/60"
FP 46-93
FSIP 2027/120"

TD 8475'
P & A
7-13-72

DST 8344-480; Op 90",
F/Gas @ 5.75 MMCFG
ISIP 3038/60"
FP 512-2809
FSIP 3038/90"

DST 8346-445, Op 75",
Rec 150' Mud
ISIP 242/60"
FP 190-213
FSIP 237/60"

PERF
26/8443-68
A/130
F/7 MMCFG

TD 8590' PB 8543'
IPF 3.5 MMCFGPD
GTY -- GOR --
COMP 3-17-70
CUM (as of 11-1-79)
7,607,508 MCF

CORED
8480-521, Rec 32' blk sh &
sd w/scat show oil

CORED
8521-56, Rec 25' blk sh &
sd w/oil stain

CORED
8581-97, lost core- no record

PERF
8/8516-20; 14/8526-33;
8/8558-62; 24/8581-93;
F/1.6 MMCFGPD on 1" ch
A/500 (didn't break)

RE-PERF
24/8581-93
A/250 8558-93
F/0.010 MMCFGPD
ReA/2000 8556-93
F/0.38 MMCFGPD

PERF
12/8624-30; 12/8639-45
A/250
F/1.4 MMCFGPD

DST
8270-556, Op 4',
GTS 9"
F/4.25 MMCFGPD
Rec 430' Cond
ISIP 3167/20"
FP 528-988
FSIP 3075/2'

DST
8695-799, Op 2'
Rec 30' Mud
ISIP 163/30"
FP 116-116
FSIP 186/60"

TD 8790' PB 8688'
IPCOF 2.08 MMCFGPD
GTY .673 GOR --
COMP 4-7-71
CUM (as of 11-1-79)
1,454,097 MCF

W.N.M.C.P. MICROGRAPHICS
SERV ANGELES DEPT

READ & STEVENS, INC. NO. 1-A - TROBAUGH STATE

DST
8270-556, Op 4',
GTS 9"
F/4.25 MMCFGPD
Rec 430' Cond
ISIP 3167/20"
FP 528-988
FSIP 3075/2'

DST
8695-790, Op 2'
Rec 30' Mud
ISIP 163/30"
FP 116-116
FSIP 186/60"

TD 8790' PB 8688'
IPCOF 2.08 MMCFGPD
GTY .673 GOR --
COMP 4-7-71
CUM (as of 11-1-79)
1,454,097 MCF

READ & STEVENS, INC.

PROPOSED LOCATION

ATOKA

TD 8891' PB 8730'
IPCOF 0.68 MMCFGPD
GTY .635 GOR 96,999
COMP 1-18-75
CUM (as of 11-1-79)
597,130 MCF

READ & STEVENS, INC. NO. 1 - ROSE

PERF
8626-44; 8652-56;
8672-84; 8684-90;
8694-702;
A/1500; F/0.3 MMCFGPD
WF/40,000 + 72,500# -
Pfs @ 8672-702
F/0.05 MMCFGPD

DST
8320-710, Op 5'23",
GTS@27 @ 2.1 MMCFG
on 32/64" ch
SFP 425-328,
Rec 180' MW
420' GCMW
ISIP 1309/60"
FP 953-1221
FSIP 3244/3'

PERF
12/8566-72; 16/8599-607;
8/8734-38; 8/8741-47;
12/8756-62; 10/8802-07;
A/4000, F/0.4 MMCFGPD,
WF/39,000 (65,200) @ Pf 8734-807
WF/40,000 (65,000) @ Pf 8566-609
F/0.75 MMCFGPD

DST
8710-69, Op 83",
Gas @ 112,680 CFG
Rec 290' GCMW
ISIP 1295/1'
FP 92-166
FSIP 2162/120"

TD 8966'
CAOF TEST 2-1-75 6.3 MMCFGPD
GTY -- GOR --
COMP 2-1-74
CUM (as of 11-1-79)
284,404 MCF

READ & STEVENS, INC. NO. 2 - HARRIS FEDERAL

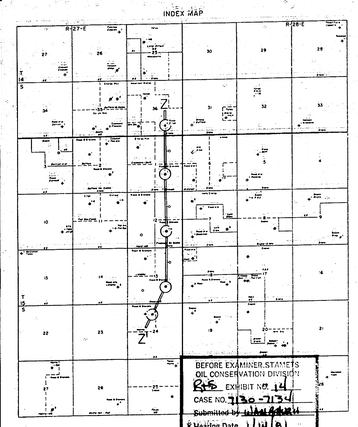
Z'
SOUTH

-4600'

DST
.326-560, Op 3'15", Gas @
5000 CFG Inc to 0.025 MMCFGPD
Inc to 0.040 MMCFG
ISIP 1303/1'
FP 494-494
FSIP 1596/4'

DST
8475-966, Op 2'15"
OTS 10" @ 0.225 MMCFGPD
Rec 600' GCMW
ISIP 3029/1'
FP 503-562
FSIP 1317/360"

INDEX MAP

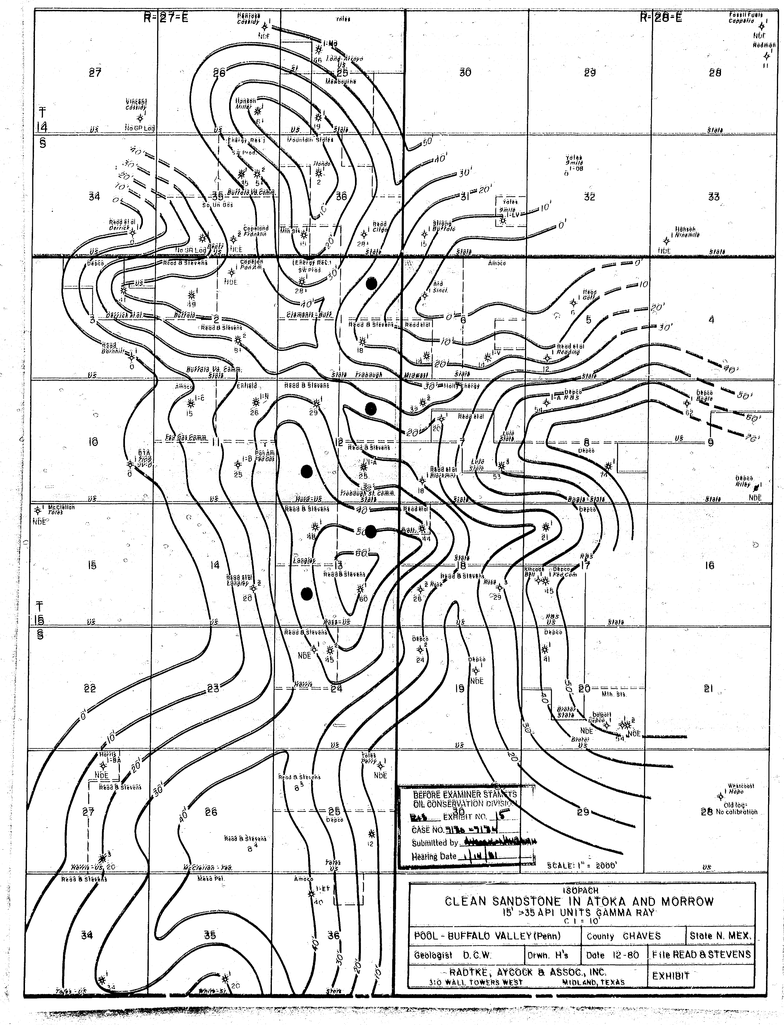


BEFORE EXAMINER STAMETS
OIL CONSERVATION DIVISION
RSS EXHIBIT NO. 14
CASE NO. 7730-7734
Submitted by
Hearing Date 1-14-81

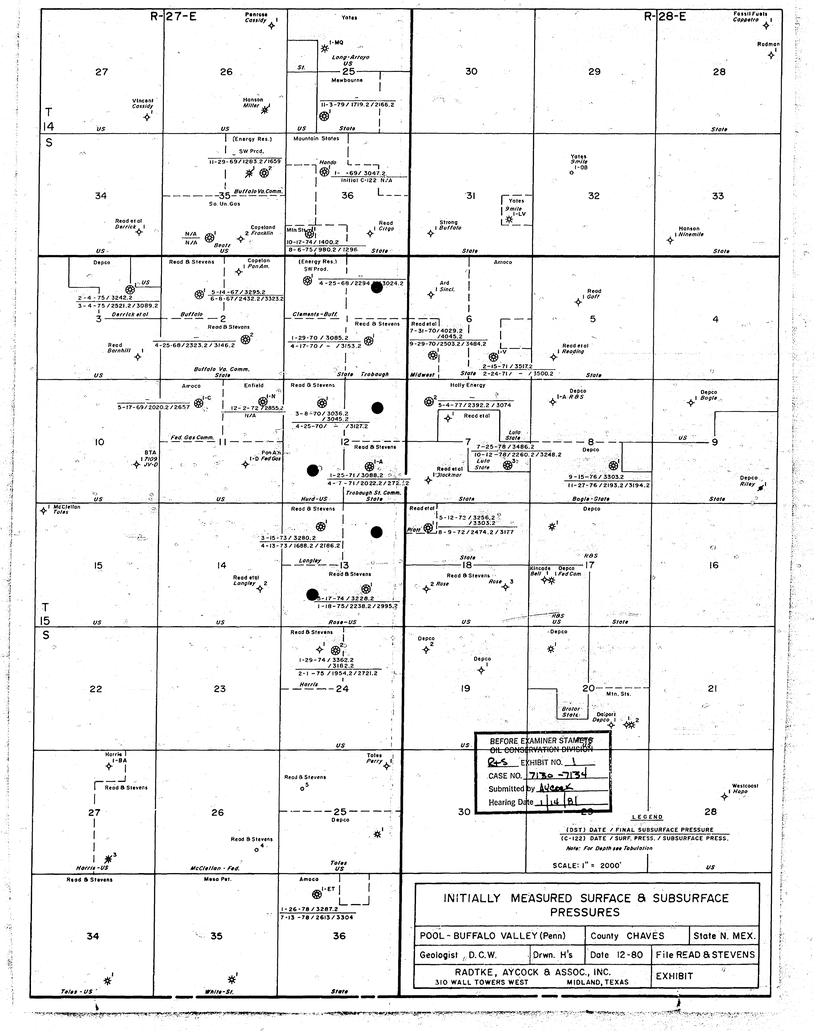
STRUCTURAL
CROSS SECTION Z-Z'
(NORTH-SOUTH)

POOL - BUFFALO VALLEY (Penn)		County CHAVES	State N. MEX.
Geologist D.C.W.	Drwn. H's	Date 12-80	File READ & STEVENS
RADTKE, AYCOCK & ASSOC., INC. 310 WALL TOWERS WEST MIDLAND, TEXAS			EXHIBIT

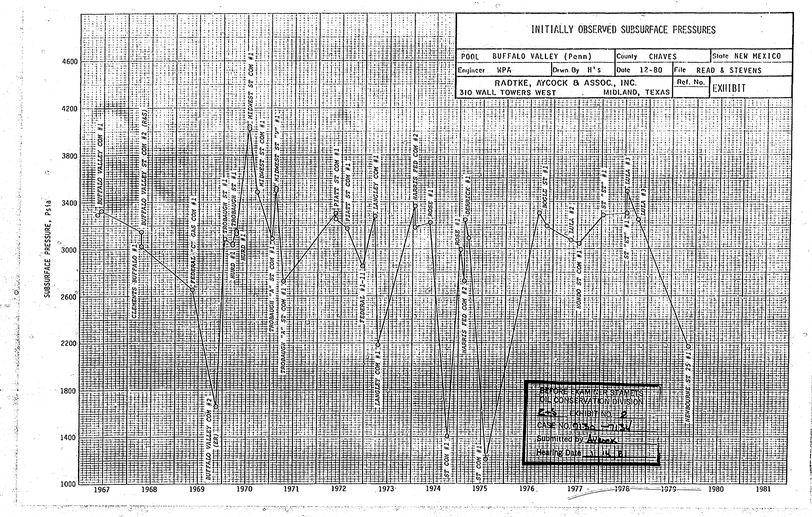
U.S.N.C.F. MICROGRAPHICS
NOW AVAILABLE ON OPT



M.R.C.P. MICROGRAPHICS
BEST AVAILABLE COPY



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


INITIALLY OBSERVED SUBSURFACE PRESSURES
POOL BUFFALO VALLEY (Penn)
County CHAVES
State NEW MEXICO
Engineer WPA
Drwn By M's
Date 12-80
File READ & STEVENS
RADTKE, AYCOCK & ASSOC., INC.
310 WALL TOWERS WEST
MIDLAND, TEXAS
Ref. No.
EXHIBIT
SUBSURFACE PRESSURE, Psia
4600
4200
3800
3400
3000
2600
2200
1800
1400
1000
1967
1968
1969
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
1981
BUFFALO VALLEY COM #1
CLEMENTS BUFFALO #1
BUFFALO VALLEY COM #2
FEDERAL "C" GAS COM #2
FEDERAL "A" GAS COM #1
FEDERAL "A" GAS COM #2
FEDERAL "B" GAS COM #1
FEDERAL "B" GAS COM #2
FEDERAL "C" GAS COM #1
FEDERAL "C" GAS COM #3
FEDERAL "C" GAS COM #4
FEDERAL "C" GAS COM #5
FEDERAL "C" GAS COM #6
FEDERAL "C" GAS COM #7
FEDERAL "C" GAS COM #8
FEDERAL "C" GAS COM #9
FEDERAL "C" GAS COM #10
FEDERAL "C" GAS COM