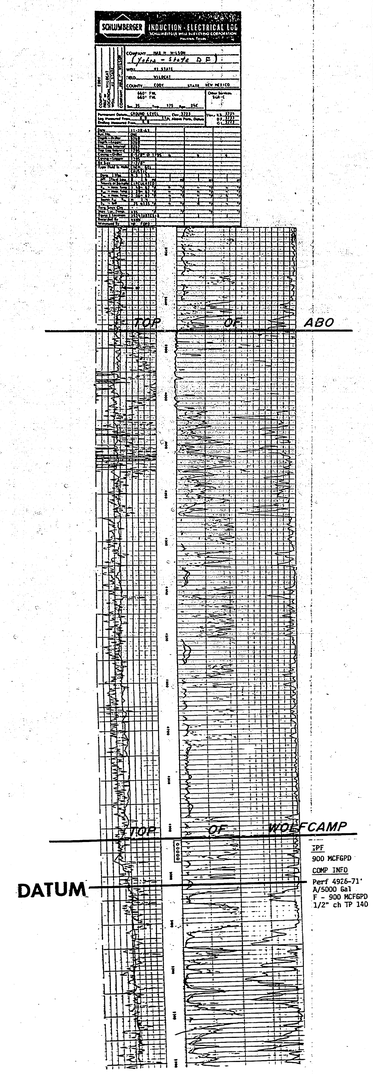
Case No
7586

Large Exhibits

EXHIBIT ____

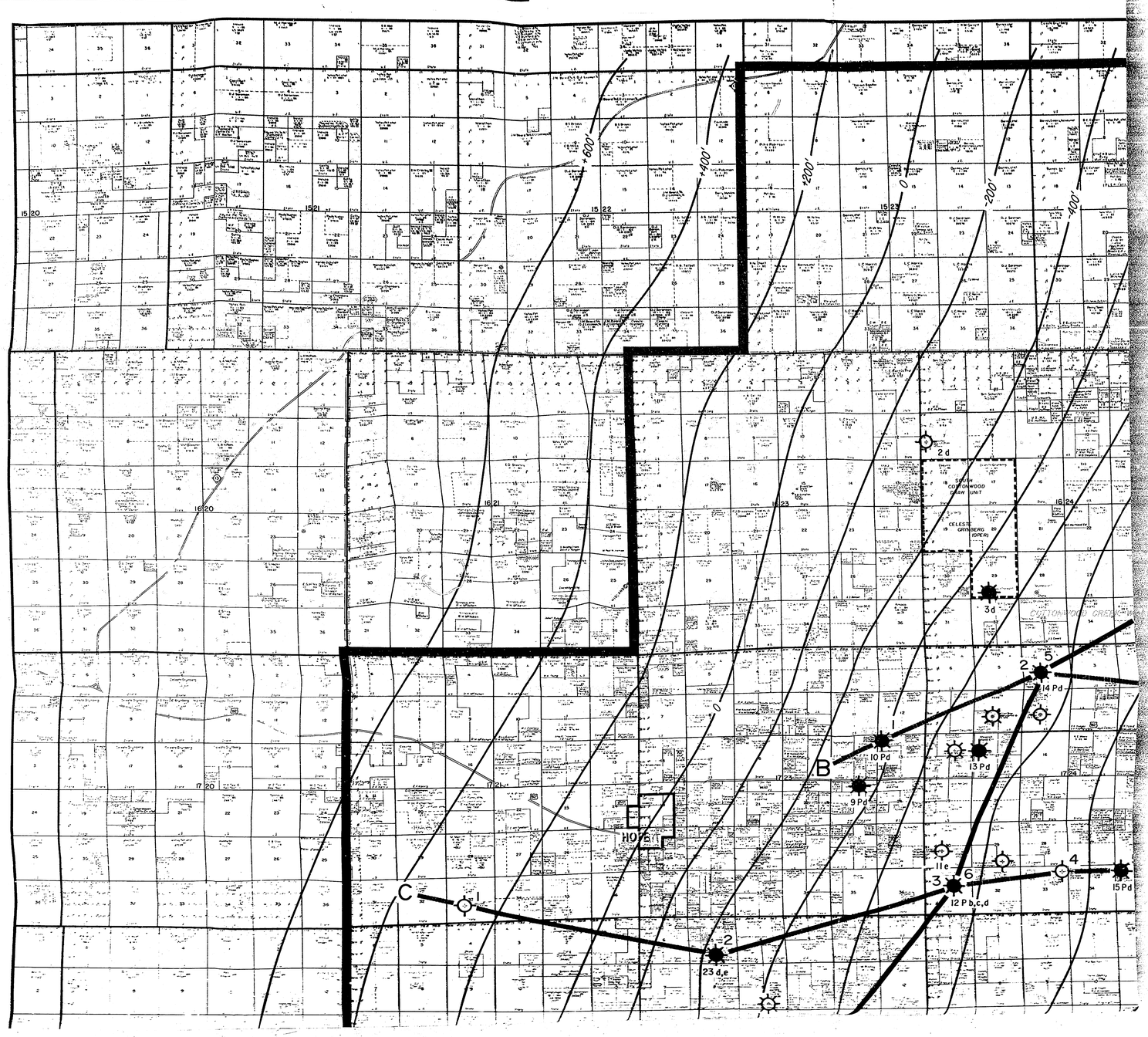


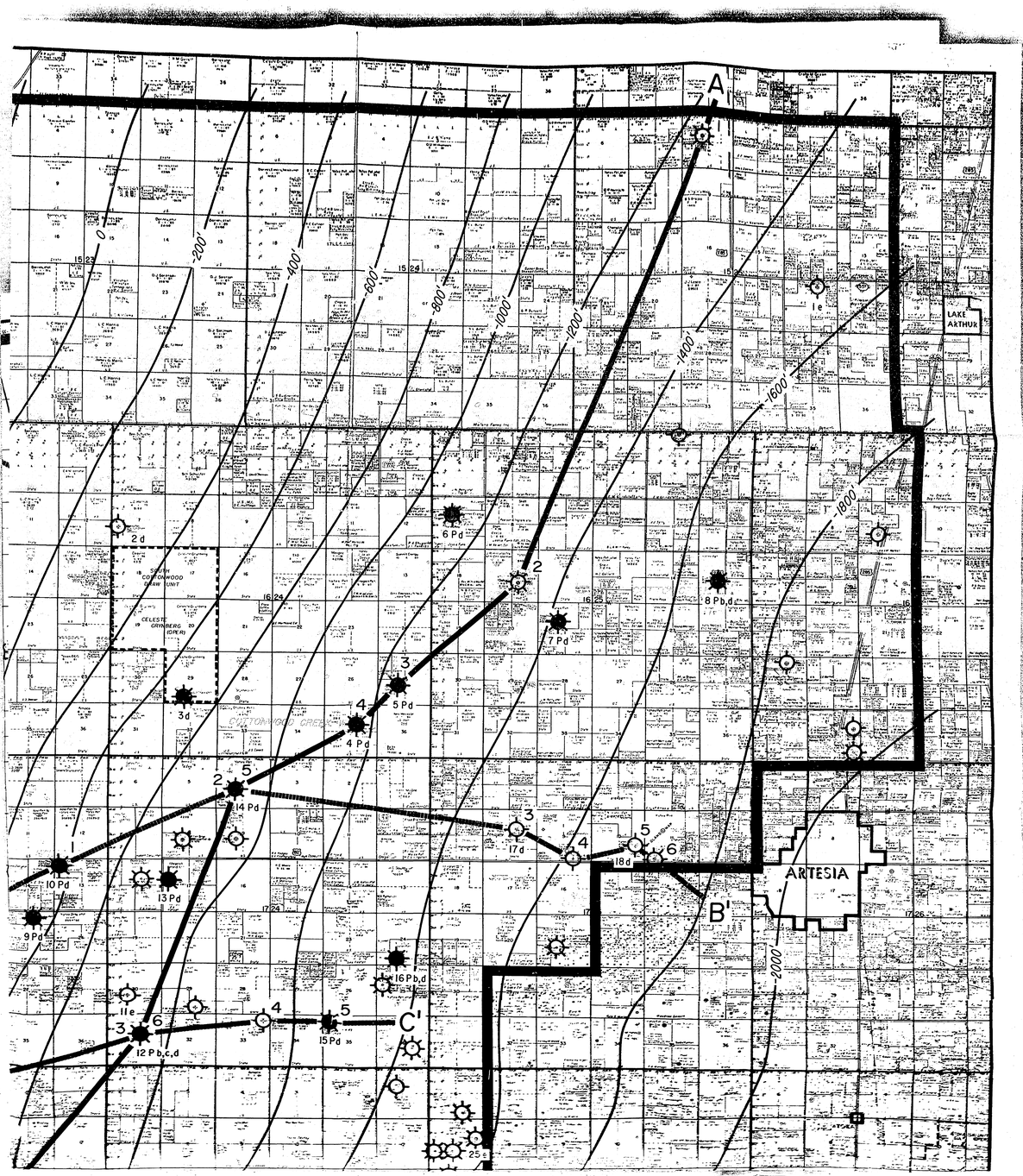
TYPE LOG

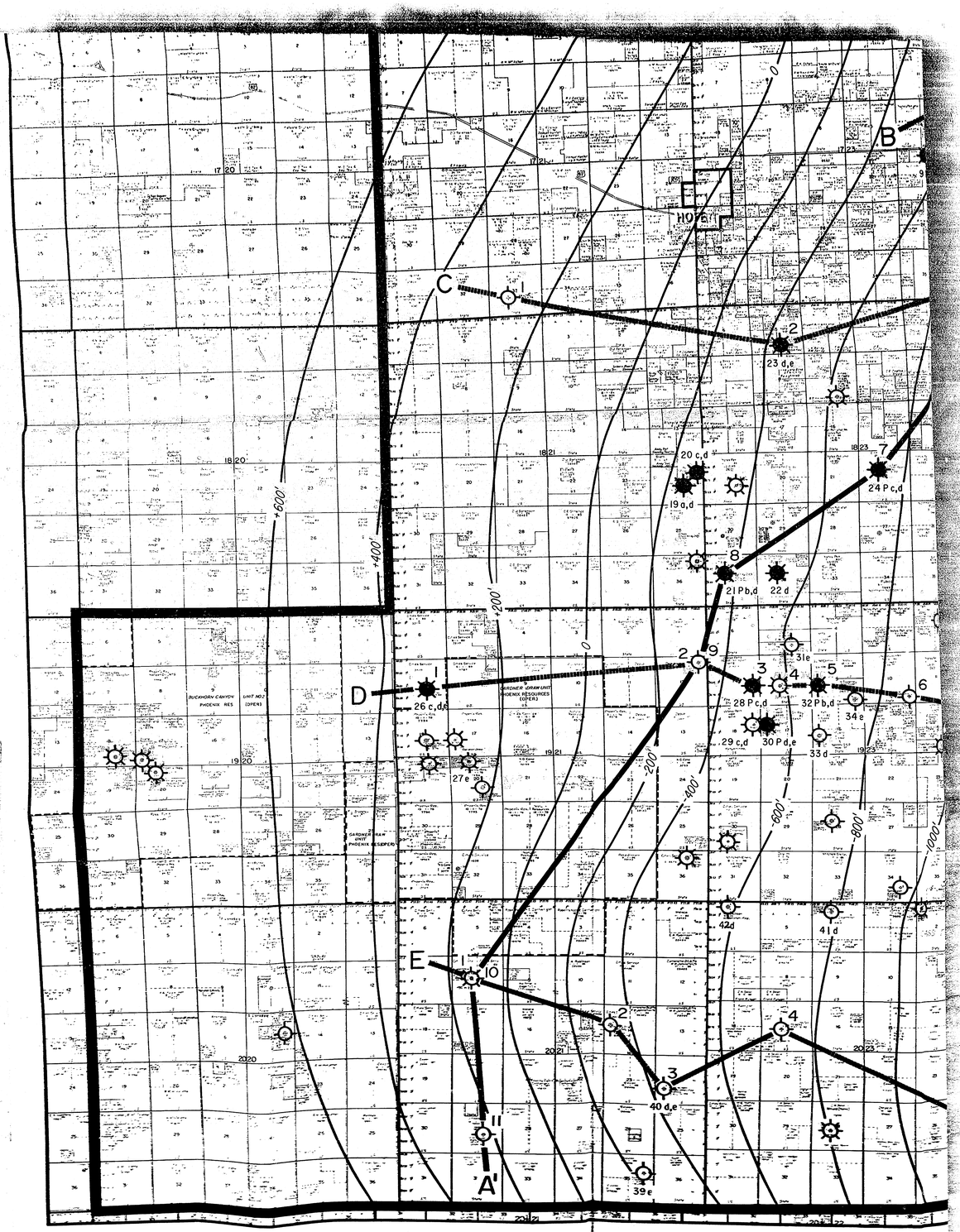
ABO-WOLFCAMP TIGHT GAS PLAY

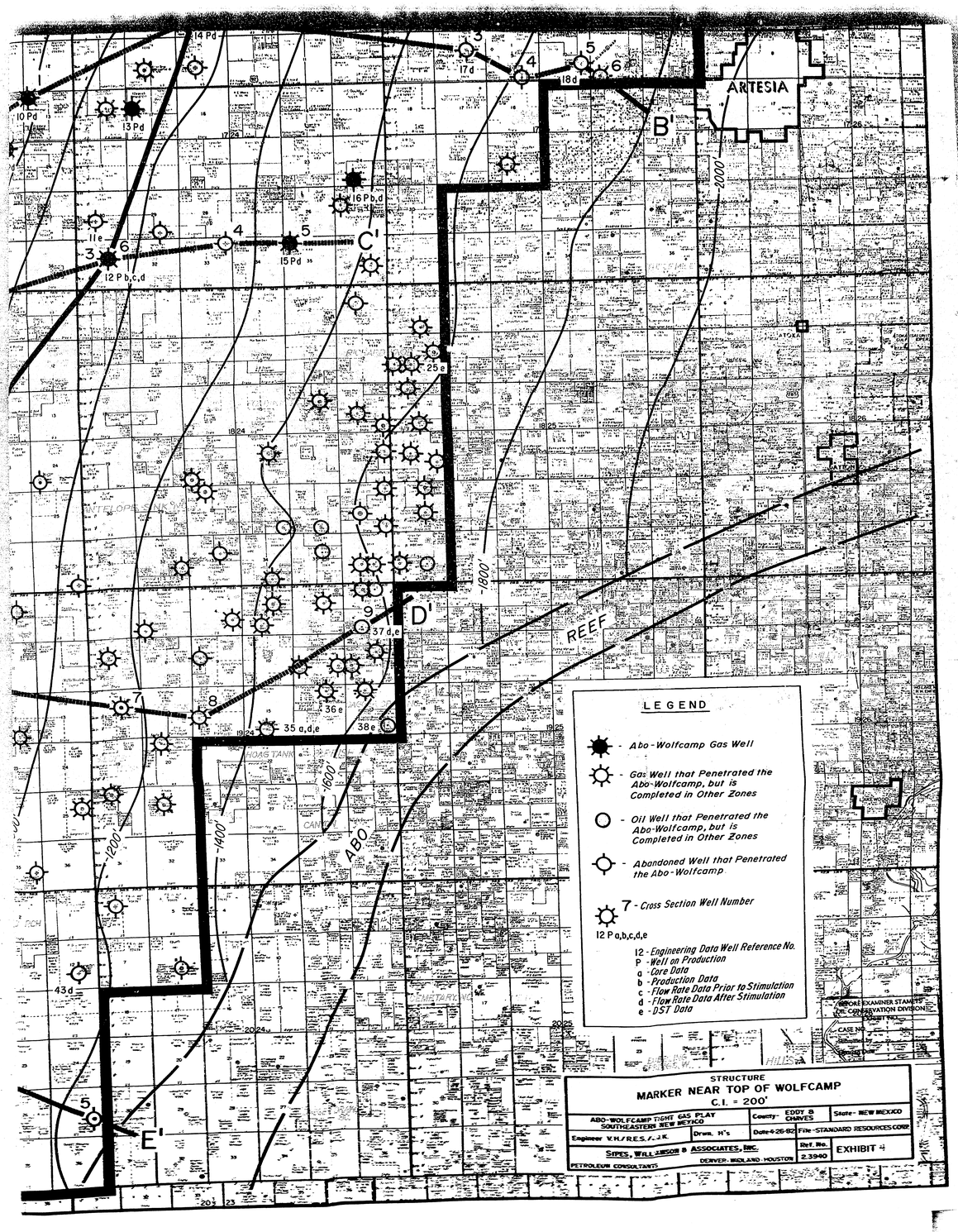
SOUTHEASTERN NEW MEXICO

EXHIBIT 2-1


+600'
+400'
+200'
0
-200'
-400'
15 20
15 21
15 22
15 23
16 20
16 21
16 23
16 24
17 20
17 21
17 23
17 24
2d
SOUTH COTTONWOOD DRAW UNIT
CELESTE GRYNBERG (GREY)
3d
2
5
14 Pd
10 Pd
13 Pd
9 Pd
B
HOGBACK
11e
3
6
4
15 Pd
12 P b,c,d
C
1
2
23 d,e


A
A'
B'
C'
LAKE ARTHUR
ARTESIA
SOUTH COTTONWOOD DRAW UNIT
CELESTE GRAYBERG (DK-PU)
0'
200'
400'
600'
800'
1000'
1200'
1400'
1600'
1800'
2000'
6 Pd
8 Pb,d
7 Pd
5 Pd
4 Pd
14 Pd
17d
18d
10 Pd
13 Pd
9 Pd
16 Pb,d
15 Pd
12 Pb,c,d
11e
1e
2d
3d
25d


B
C
D
E
A'
HOWELL
BUCKHORN CANYON UNIT NO.2 (OPEN)
PHOENIX RES
GARDNER RAM UNIT PHOENIX RESOURCES (OPER)
+600'
+400'
+200'
0
-200'
-400'
-600'
-800'
-1000'
1 26 c,d,e
2 23 d,e
3 31e
4
5 32 P b,d
6 34 e
7 24 P c,d
8 21 P b,d 22 d
9 28 P c,d
29 c,d
30 P d,e
33 d
27 e
20 c,d
19 a,d
42d
41 d
1 10
2
3 40 d,e
4
39 e
1 11
18 20
17 20
17 21
18 21
17 23
18 23
19 20
19 21
19 23
20 20
20 21
20 23


14 Pd
10 Pd
13 Pd
17d
18d
ARTESIA
B'
2000'
16 Pb,d
11e
12 P b,c,d
15 Pd
C'
25e
1800'
D'
REEF
37 d,e
36e
35 a,d,e
38e
1600'
1400'
1200'
ABO
43d
E'
LEGEND
- Abo-Wolfcamp Gas Well
- Gas Well that Penetrated the Abo-Wolfcamp, but is Completed in Other Zones
- Oil Well that Penetrated the Abo-Wolfcamp, but is Completed in Other Zones
- Abandoned Well that Penetrated the Abo-Wolfcamp
7 - Cross Section Well Number
12 P a,b,c,d,e
12 - Engineering Data Well Reference No.
P - Well on Production
a - Core Data
b - Production Data
c - Flow Rate Data Prior to Stimulation
d - Flow Rate Data After Stimulation
e - DST Data
BEFORE EXAMINER STAMETS
OIL CONSERVATION DIVISION
EXHIBIT No.
CASE NO.
STRUCTURE
MARKER NEAR TOP OF WOLFCAMP
C.I. = 200'
ABO-WOLFCAMP TIGHT GAS PLAY
SOUTHEASTERN NEW MEXICO
County- EDDY & CHAVES
State- NEW MEXICO
Engineer V.H./R.E.S./J.K.
Draw. H's
Date-4-26-82
File -STANDARD RESOURCES CORP
SIPES, WILLIAMSON & ASSOCIATES, INC.
PETROLEUM CONSULTANTS
DENVER- MIDLAND- HOUSTON
Ref. No. 2.3940
EXHIBIT #

A
NORTH

ROGERS & BRYANT NO. 1 - MOATS

1

9 MILES

YATES PETROLEUM NO. 1 COTTONWOOD "KI" FEDERAL

2

3 MILES

YATES PETROLEUM NO. 1 - ROBINSON "HW" FED

3

1 MILE

YATES PETROLEUM NO. 1 - COLLINS "HS"

4

TOP OF DATUM MARKER NEAR TOP OF

SPUD 1-10-80
TD 6785'
P & A

COMP 1-29-80
Not Tested

SPUD 4-30-79
TD 7400

COMP 8-8-79
NOT TESTED

SPUD 5-27-77
TD 7116'
PERF 4763-97' A/2000 Gal
PERF 4812-55' A/1000 Gal
F - 305 MCFGPD 1/4" ch TP 200

COMP 7-10-77

SPUD 5-6-77
TD 7129'
PERF 4765-837' A/2000 Gal
F - 700 MCFGPD 1/2" ch TP 110

COMP 5-28-77

YATES PETROLEUM NO. 1 - ROBINSON "HM" FED

3

3 MILES

TOP OF ABO

NEAR TOP OF WOLFCAMP

SPUD 5-27-77 COMP 7-10-77
TD 7116'
PERF 4763-97' A/2000 Gal
PERF 4812-55' A/1000 Gal
F - 305 MCFGPD 1/4" ch TP 200

YATES PETROLEUM NO. 1 - COLLINS "HS" FED

4

1 MILE

SPUD 5-6-77 COMP 5-28-77
TD 7129'
PERF 4765-837' A/2000 Gal
F - 700 MCFGPD 1/2" ch TP 110

YATES PETROLEUM NO. 1 - DIVIDE FED "JW" COM

5&B-2

2 1/2 MILES

SPUD 7-31-78 COMP 11-14-78
TD 7160'
PERF 4641-727' A/1500 Gal
F - 67 MCFGPD 1/4" ch TP 30
ReA/1500 F/50,000 Gal KCl Wtr
& 120,000 Sd F - 615 MCFGPD
1/2" ch TP 103

MESA PETROLEUM NO. 1

5 MILES

SPUD 11-17-78
TD 7675'
PERF 4800-90' SWD
20-30 MCFGPD A/450
MCFGPD 16/64" ch
Gal Versagel & 10
F - 350 MCFGPD 24

FED

2 1/2 MILES

YATES PETROLEUM NO. 1 - DIVIDE FED "JM" COM

588-2

5 MILES

MESA PETROLEUM NO. 1 - CATCLAW STATE

68C-3

5 MILES

MESA PETROLEUM NO. 1 A - ANTELOPE FED

7

3 1/2 MILES

McCLEL

ABO

WOLFCAMP

MARKER

SPUD 7-31-78 COMP 11-14-78

TD 7160'

PERF 4641-727' A/1500 Gal
F - 67 MCFGPD 1/4" ch TP 30
RmA/1500 F/50,000 Gal KCl Wtr
& 120,000 Sd F - 615 MCFGPD
1/2" ch TP 103

SPUD 11-17-78 COMP 4-12-79

TD 7675'

PERF 4800-90' Swb dry est vol
20-30 MCFGPD A/4500 Gal F - 50
MCFGPD 16/64" ch TP 40 F/80,000
Gal Versagel & 102,000 Sd
F - 350 MCFGPD 24/64" ch TP 100

SPUD 3-19-80 COMP 5-18-80

TD 4825'

PERF 4568-4697' Swb Dry 1" Flare
A/8000 Gal 1/2" ch 20" to 10"
Flare Foam A/15,000 Gal 5 N_2
F - 250 MCFGPD 1/4" ch
TP 150

SPU

TD

PE
F/
Sd
66

- CATCLAW STATE

68C-3

5 MILES

MESA PETROLEUM NO. 1 A - ANTELOPE FED

7

3 1/2 MILES

McCLELLAN OIL NO. 1 - STATE "AR"

8

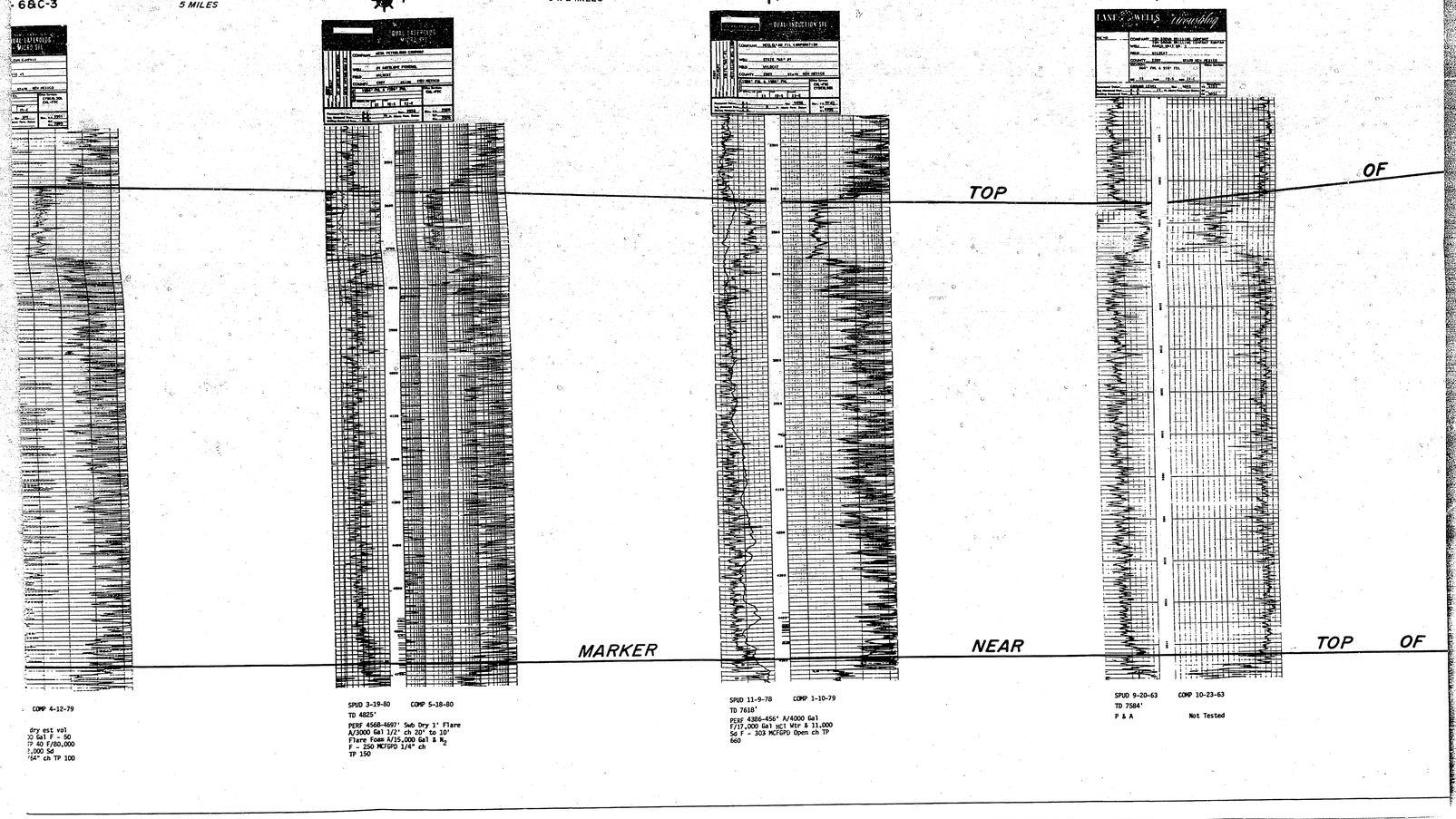
2 MILES

TOM BROWN DRLG. NO. 1 - RUNYAN RANCH UNIT

98D-2

8 MILES

TOP OF MARKER NEAR TOP OF



COMP 4-12-79

dry est vol
)) Gal F - 50
TP 40 F/80,000
),000 Sd
'64" ch TP 100

SPUD 3-19-80 COMP 5-18-80

TD 4825'

PERF 4568-4692' Swb Dry 1' Flare
A/3000 Gal 1/2' ch 20' to 10'
Flare Foam A/15,000 Gal & N_2
F - 250 MCFGPD 3/4" ch
TP 150

SPUD 11-9-78 COMP 1-10-79

TD 7618'

PERF 4386-456' A/4000 Gal
F/17,000 Gal HCl Wtr & 11,000
Sd F - 303 MCFGPD Open ch TP
660

SPUD 9-20-63 COMP 10-23-63

TD 7584'

P & A Not Tested

LAN OIL NO. 1 - STATE "AR"

8

2 MILES

TOM BROWN DRLG. NO. 1 - RUNYAN RANCH UNIT

9BD-2

8 MILES

CITIES SERVICE NO. 1 - GOVERNMENT "AJ"

10BE-1

3 MILES

MAX WILSON NO. 1 - BIG SKY

11

A'

SOUTH

TOP OF ABO

NEAR TOP OF WOLFCAMP

DATUM

JD 11-9-78 COMP 1-10-79
7618'
F 4386-456' A/4000 Gal
7,000 Gal HCl Wtr & 11,000
F - 303 MCFGPD Open ch TP

SPUD 9-20-63 COMP 10-23-63
TD 7584'
P & A Not Tested

SPUD 8-4-79 COMP 10-20-79
TD 7968' Not tested

SPUD 3-14-73 COMP 4-21-73
TD 7915'
P & A Not Tested

T 15 S
R-20-E
R-21
CHAVES CO.
T 15 S
T 16 S
T 20 S

ABO-WO
SOUT
Engineer V.H.
SIPE
PETROLEUM CO

CITIES SERVICE NO. 1 - GOVERNMENT "AJ"

108E-1

3 MILES

MAX WILSON NO. 1 - BIG SKY

11

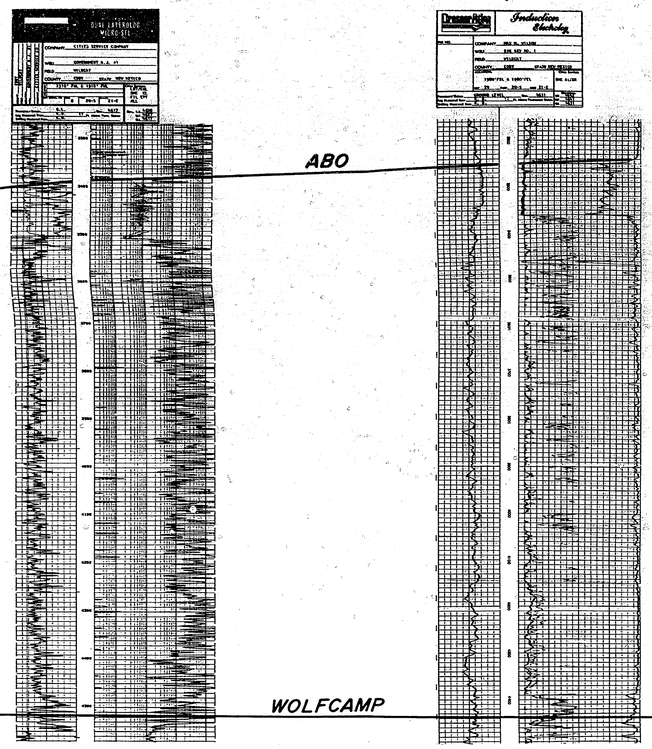
A'

SOUTH

ABO

WOLFCAMP

DATUM



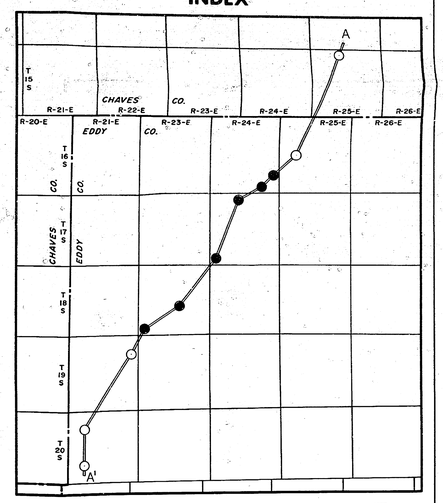
SPUD 8-4-79
TD 7968'

COMP 10-20-79
Not tested

SPUD 3-14-73
TD 7915'
P & A

COMP 4-21-73
Not Tested

INDEX



RECEIVED
APR 29 1982
OIL CONSERVATION DIVISION
SANTA FE

STRATIGRAPHIC
CROSS SECTION A-A'
(NORTH-SOUTH)

ABO-WOLFCAMP TIGHT GAS PLAY SOUTHEASTERN NEW MEXICO		County- EDDY & CHAVES	State- NEW MEXICO
Engineer V.H./R.E.S./J.J.K.	Drwn. H's	Date 4-26-82	File -STANDARD RESOURCES CORP.
SIPES, WILLIAMSON & ASSOCIATES, INC. PETROLEUM CONSULTANTS DENVER-MIDLAND-HOUSTON		Ref. No. 2.3940	EXHIBIT 5

B
WEST

YATES PETROLEUM NO. 1 - HIGH HOPE FED "DJ"

1

SPUD 6-5-74 COMP 12-3-74
TD 7434'
PERF 4479½-528' A/5000 Gal
G/FSTM
PERF 4478½-529' F/4500 Gal A
12,000 Gal GW & 285,000 Sd
F - 890 MCFGPD 3/4" ch TP 50

3 1/2 MILES

YATES PETROLEUM NO. 1 - DIVIDE FED "JW" COM

2&A-5

SPUD 7-31-78 COMP 11-14-78
TD 7675'
PERF 4641-727' A/1500 Gal
F - 67 MCFGPD 1/4" ch TP 30
ReA/1500 F/50,000 Gal KCl
Wtr & 120,000 Sd
F - 615 MCFGPD 1/2" ch TP 103

5 1/2 MILES

YATES PETROLEUM (PUBCO) NO. 1 - EAGLE FED COM

3

SPUD 3-8-72 COMP 3-26-75
TD 7840'
ORIG DRILLED BY PUSCO - No Tests
P & A 4-9-72 ONWO 5-8-73
PERF 5047-60' A/1000 Gal
Af/20,000 & 30,000 F - 115
MCFGPD 1/2" ch FTP 9

1 MILE

YATES PETROLEUM NO. 1 - SASHA FED "CA"

4

SPUD 7-31-73 COMP 9-13-73
TD 7950'
P & A - Not Tested

1 MILE

DATUM — MARKER — TOP OF NEAR — TOP OF ABO

ATES PETROLEUM (PUBCO) NO. 1 - EAGLE FED COM

3

1 MILE

YATES PETROLEUM NO. 1 - SASHA FED "CA"

4

1 MILE

YATES PETROLEUM NO. 2 - ARTESIA AIRPORT "CF" COM

5

1 MILE

YATES PETROLEUM NO. 1 - ARTESIA AIRPORT "CF" COM

6

B'
EAST

OF ABO

TOP OF WOLFCAMP

DATUM

T 15 S
R-20-E

CHAVES CO

SPUD 3-8-72 COMP 3-26-75
TD 7840'
ORIG DRILLED BY PUBCO - No Tests
P & A 4-9-72 OWWO 5-8-73

PERF 5047-60' A/1000 Gal
AF/20,000 & 30,000 F - 115
MCFGPD 1/2" ch FTP 9

SPUD 7-31-73 COMP 9-13-73
TD 7950'
P & A - Not Tested

SPUD 10-12-74 COMP 3-7-75
TD 8080'

PERF 5200-66' A/2500 gal, swb
& F - 25 MCFGPD dec to TSTM

SPUD 10-19-71 COMP 12-30-71
TD 8099' Not Tested

ABO-W
SOUT

Engineer V.H.

SIPE

PETROLEUM CO

YATES PETROLEUM NO. 2 - ARTESIA AIRPORT "CF" COM

5

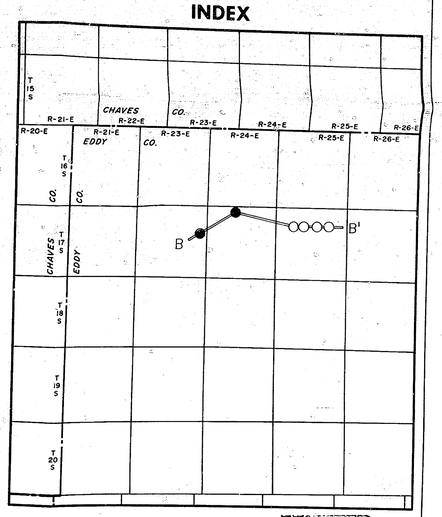
1 MILE

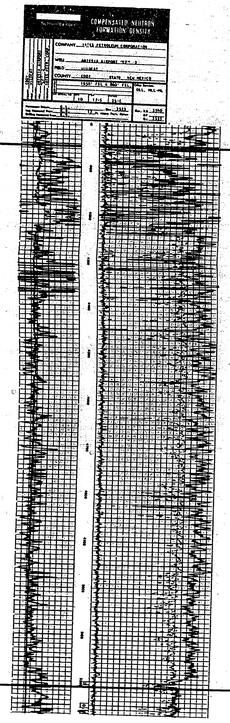
YATES PETROLEUM NO. 1 - ARTESIA AIRPORT "CF" COM

6

B'
EAST

INDEX



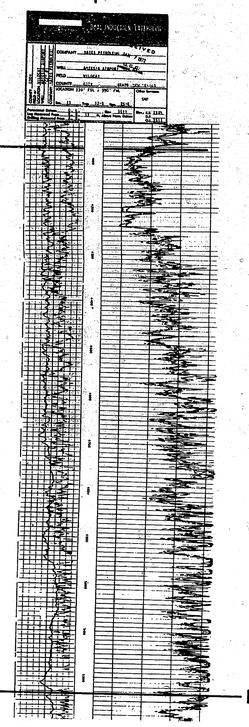


SPUD 10-12-74
TD 8080'

COMP 3-7-75

PERF 5200-66' A/2500 gal, swb
& F - 25 MCFGPD dec to TSTM

WOLFCAMP



SPUD 10-19-71
TD 8099'

COMP 12-30-71
Not Tested

DATUM

RECEIVED
APR 29 1982
OIL CONSERVATION DIVISION
SANTA FE

STRATIGRAPHIC
CROSS SECTION B-B'
(WEST - EAST)

ABO-WOLFCAMP TIGHT GAS PLAY SOUTHEASTERN NEW MEXICO		County- EDDY & CHAVES	State- NEW MEXICO
Engineer V.H./R.E.S./J.J.K.	Drwn. H's	Date 4-26-82	File -STANDARD RESOURCES CORP
SIPES, WILLIAMSON & ASSOCIATES, INC. PETROLEUM CONSULTANTS DENVER-MIDLAND-HOUSTON		Ref. No. 2.3940	EXHIBIT 6

HUMBLE NO. 1 GORMAN FEDERAL

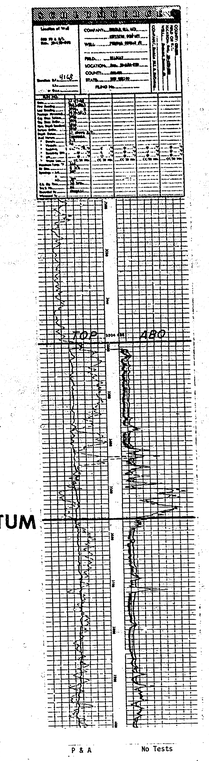


Exhibit 6A

C
WEST

C'
EAST

AMOCO NO. 1 - WEST HOPE UNIT
1

5 1/2 MILES

YATES PETROLEUM NO. 1 - MOISA "LG" FED
(BENNETT & HILLIN NO. 1 - KING FED)
2

5 1/2 MILES

MESA PETROLEUM NO. 1 - CATCLAW STATE
3&A-6

2 1/2 MILES

CARPER DRLG. NO. 1 - MARATHON STATE
4

1 MILE

YATES PETROLEUM NO. 1 - STATE "DF"
(MAX WILSON NO. 1 - STATE)
5

TOP OF ABO

DATUM — MARKER — NEAR TOP OF WOLFCAMP — DATUM

3500
4000

DST 4340-70' Op 180"
Rec 10' DM
ISIP 213/60"
FP 35-35
FSIP 1079/90"

SPUD 5-8-74 COMP 6-20-74
TD 6895'
P & A Not Tested

SPUD 9-30-77 COMP 9-21-79
TD 7600'
P & A 10-25-77 OWWO 7-28-79
PERF 4187-465' A/2000 Gal Swb Dry
TP 73 1/8" ch F/60,000 Wtr &
95,000 Sd F - 205 MCFGPD 1/4" ch
TP 130

SPUD 11-17-78 COMP 4-12-79
TD 7675'
PERF 4800-90' Swb Dry est vol
20-30 MCFGPD A/4500 Gal
F - 50 MCFGPD 16/64" ch TP 40
F/80,000 Gal Versagel & 100,000 Sd
F - 350 MCFGPD 24/64" ch TP 100

SPUD 2-15-64 COMP 5-16-64
TD 7020'
P & A Not Tested

SPUD 1963 COMP 3-6-75
TD
P & A 11-29-63 OWWO 2-28-75
PERF 4926-71 A/5000 Gal
F - 900 MCFGPD 1/2" ch TP 140

R-21-E
R-20-E
T 15 S
T 16 S
T 17 S
T 18 S
T 19 S
T 20 S
CHAVES CO.

ABO-WC
SOUT
Engineer V.H.
STIP
PETROLEUM CO

CARPER DRLG. NO. 1 - MARATHON STATE

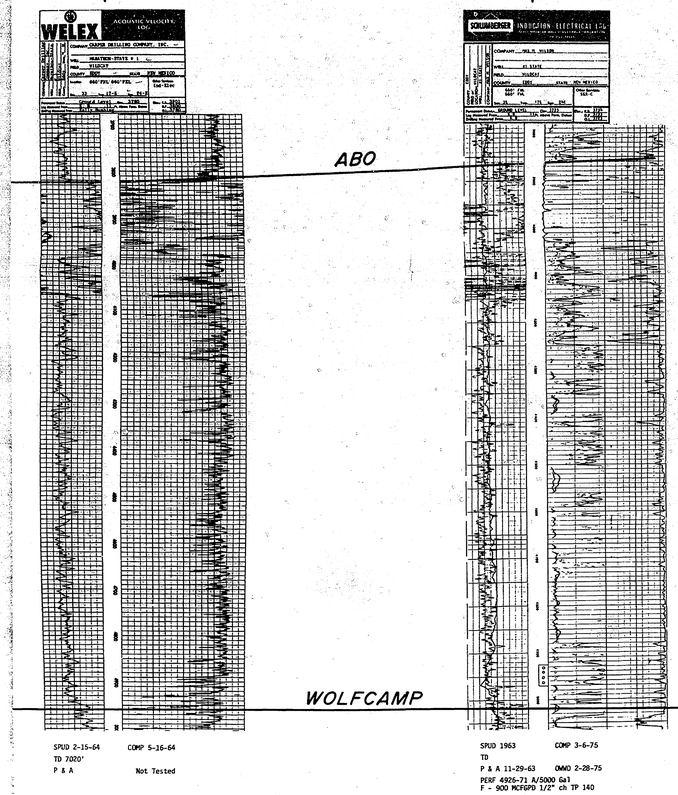
4

1 MILE

YATES PETROLEUM NO. 1 - STATE "DF"
(MAX WILSON NO. 1 - STATE)

5

C'
EAST



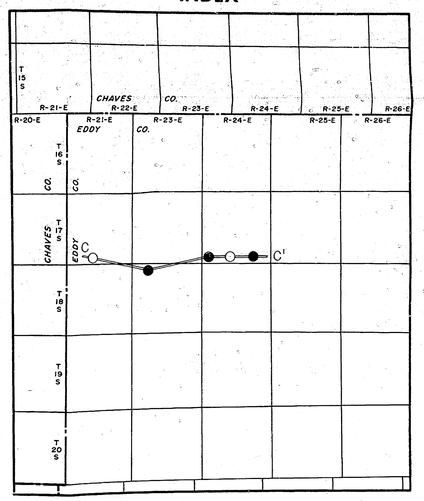
SPUD 2-15-64
TD 7020'
P & A

COMP 5-16-64
Not Tested

SPUD 1963
TD
P & A 11-29-63

COMP 3-6-75
OWWO 2-28-75
PERF 4926-71 A/5000 Gal
F - 900 MCFGPD 1/2" ch TP 140

INDEX



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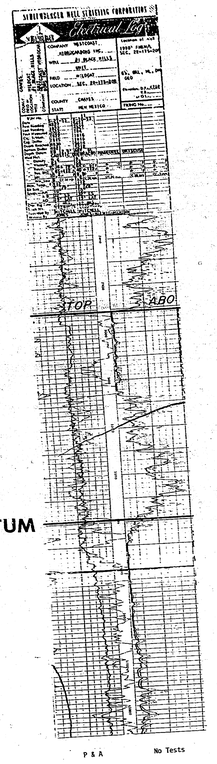
APR 29 1982
OIL CONSERVATION DIVISION
SANTA FE

STRATIGRAPHIC
CROSS SECTION C - C'
(WEST - EAST)

ABO-WOLFCAMP TIGHT GAS PLAY SOUTHEASTERN NEW MEXICO		County- EDDY & CHAVES	State- NEW MEXICO
Engineer V.H. / R.E.S. / J.J.K.	Drwn. H's	Date 4-26-82	File -STANDARD RESOURCES CORP.
SIPES, WILLIAMSON & ASSOCIATES, INC. PETROLEUM CONSULTANTS DENVER-MIDLAND-HOUSTON		Ref. No. 2.3940	EXHIBIT 7

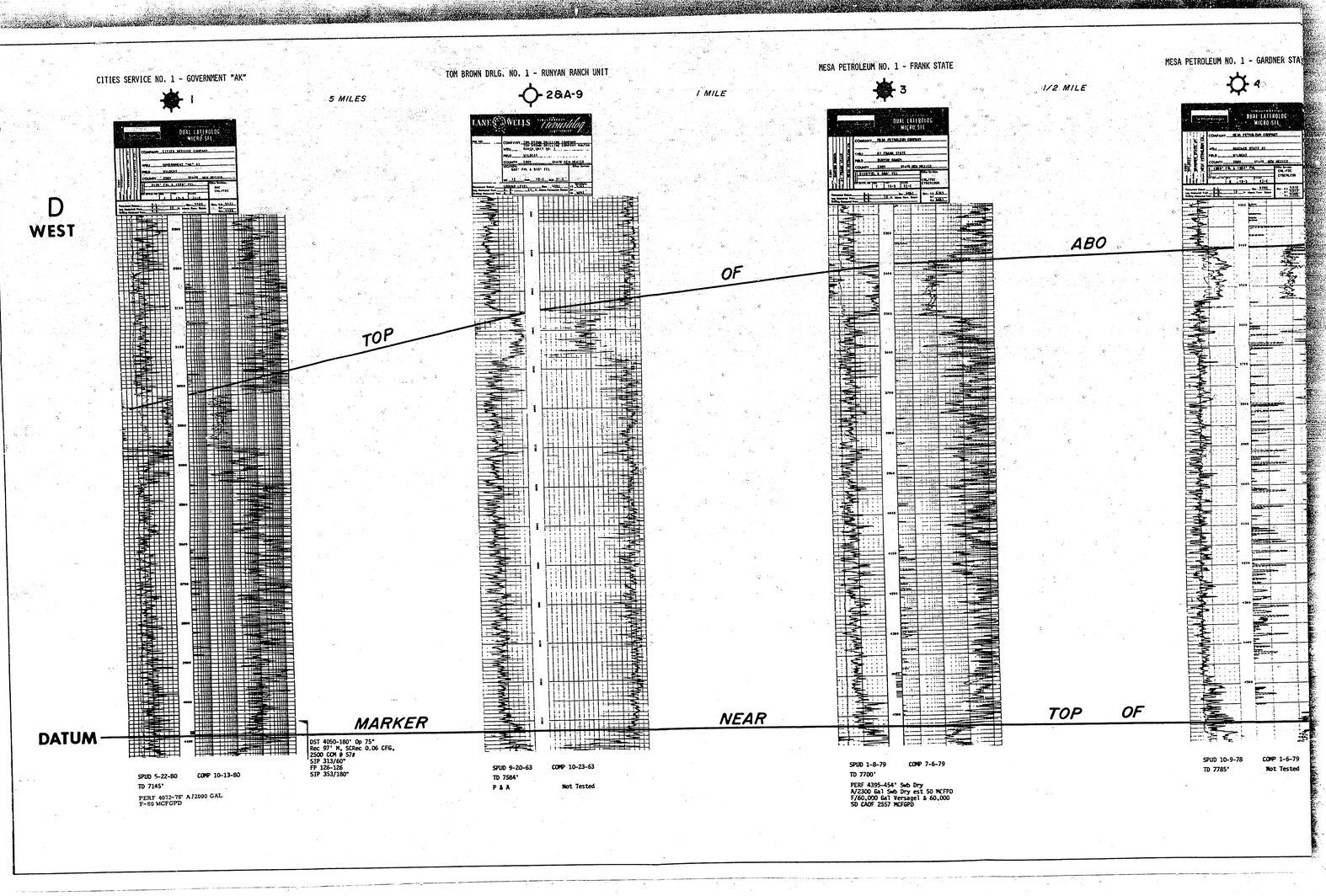
WEST COAST HYDROCARBON NO. 1 BLACK HILLS UNIT

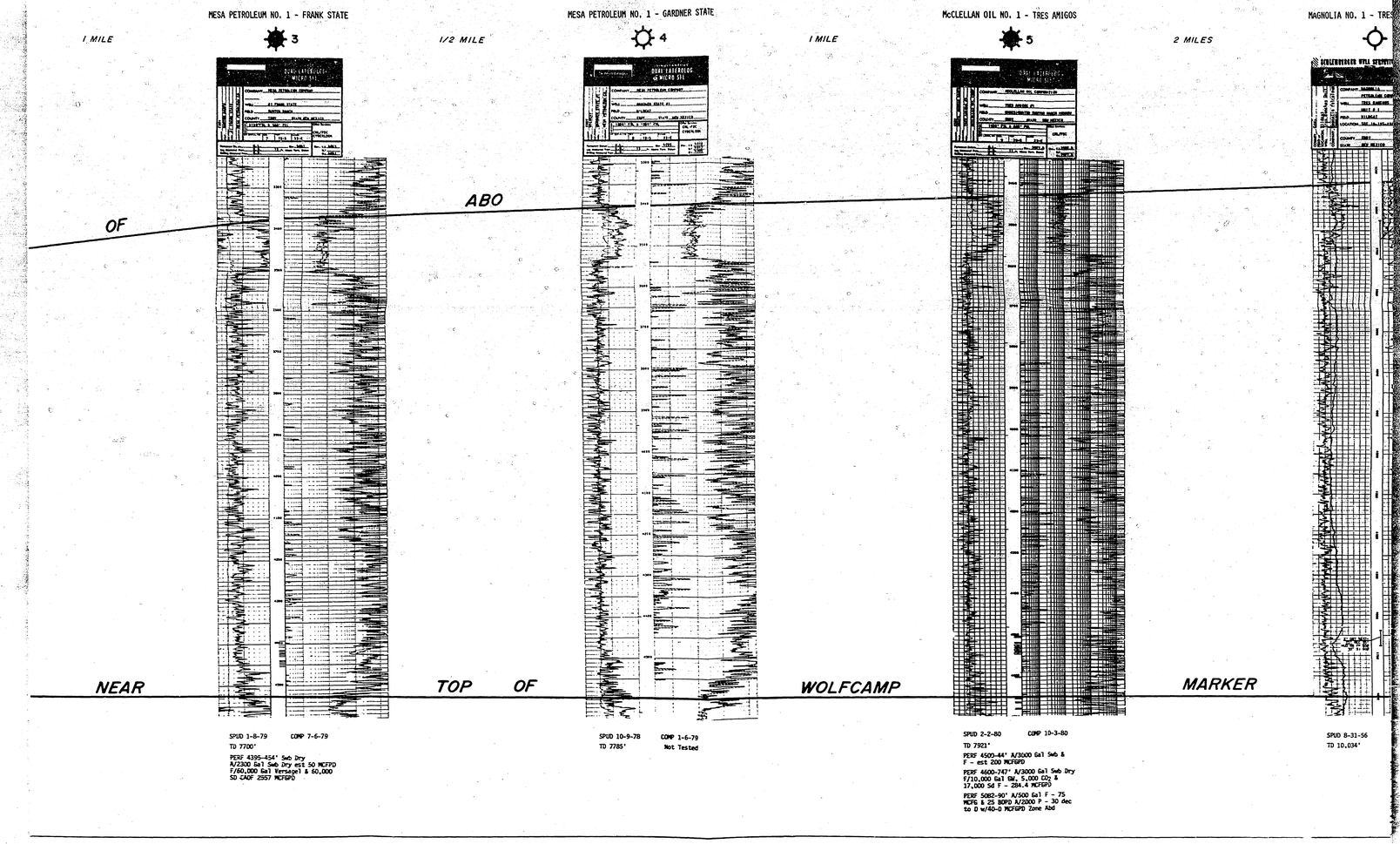


DATUM

P & A No Tests

Exhibit 7A


CITIES SERVICE NO. 1 - GOVERNMENT "AK"
1
5 MILES
TOM BROWN DRLG. NO. 1 - RUNYAN RANCH UNIT
28A-9
1 MILE
MESA PETROLEUM NO. 1 - FRANK STATE
3
1/2 MILE
MESA PETROLEUM NO. 1 - GARDNER STA
4
DUAL LATEROLOG MICRO SFL
D
WEST
TOP
OF
ABO
DATUM
MARKER
NEAR
TOP
OF
SPUD 5-22-80
TD 7145'
COMP 10-13-80
PERF 6972-78' A/2000 GAL
7-59 MCFGPD
DST 4050-180' Op 75"
Rec 97' M, SCRec 0.06 CFG,
2500 CCM @ 57#
SIP 313/60"
FP 126-126
SIP 353/180"
SPUD 9-20-63
TD 7584'
P & A
COMP 10-23-63
Not Tested
SPUD 1-8-79
TD 7700'
COMP 7-6-79
PERF 4395-454' Swb Dry
A/2300 Gal Swb Dry est 50 MCFPD
F/60,000 Gal Versagel & 60,000
SD CAOF 2557 MCFGPD
SPUD 10-9-78
TD 7785'
COMP 1-6-79
Not Tested


MESA PETROLEUM NO. 1 - FRANK STATE
3
1 MILE
1/2 MILE
MESA PETROLEUM NO. 1 - GARDNER STATE
4
1 MILE
McCLELLAN OIL NO. 1 - TRES AMIGOS
5
2 MILES
MAGNOLIA NO. 1 - TRES
OF
ABO
NEAR
TOP
OF
WOLFCAMP
MARKER
SPUD 1-8-79
COMP 7-6-79
TD 7700'
PERF 4395-454' Swb Dry
A/2300 Gal Swb Dry est 50 MCFPD
F/60,000 Gal Versagel & 60,000
SD CAOF 2557 MCFGPD
SPUD 10-9-78
TD 7785'
COMP 1-6-79
Not Tested
SPUD 2-2-80
COMP 10-3-80
TD 7921'
PERF 4500-44' A/3000 Gal Swb &
F - est 200 MCFGPD
PERF 4600-747' A/3000 Gal Swb Dry
F/10,000 Gal GW, 5,000 CO2 &
17,000 Sd F - 284.4 MCFGPD
PERF 5082-90' A/500 Gal F - 75
MCFG & 25 BOPD A/2000 P - 30 dec
to 0 w/40-0 MCFGPD Zone Abd
SPUD 8-31-56
TD 10,034'

TE

McCLELLAN OIL NO. 1 - TRES AMIGOS

5

1 MILE

2 MILES

MAGNOLIA NO. 1 - TRES RANCHO UNIT

6

2 1/2 MILES

TOM BROWN DRLG. NO. 1 - ANTELOPE SINK UNIT

7

1 1/2 MILES

AMOCO

TOP OF WOLFCAMP MARKER NEAR TOP OF

DST #1 3625-720' Op 1' 15"
Rec 560M
SIP 130/15"
FP 120

DST #2 4637-77' Op 2'
Rec 35' DM, MS
SIP 60/30"
FP 60

SPUD 2-2-80 COMP 10-3-80
TD 7921'
PERF 4500-44' A/3000 Gal Swb &
F - est 200 MCFGPD
PERF 4600-740' A/3000 Gal Swb Dry
F/10,000 Gal GW, 5,000 CO_2 &
17,000 Sd F - 284.4 MCFGPD
PERF 5062-90' A/500 Gal F - 75
MCFG & 25 BOPD A/2000 F - 30 dec
to 0 w/40-0 MCFGPD Zone Abd

SPUD 8-31-56 COMP 1-24-57
TD 10,034'

SPUD 7-8-63 COMP 9-24-63
TD 8685' Not Tested

SPUD
TD

RANCHO UNIT

6

2 1/2 MILES

TOM BROWN DRLG. NO. 1 - ANTELOPE SINK UNIT

7

1 1/2 MILES

AMOCO NO. 1 - STATE "IF" COM

8

3 1/2 MILES

YATES PETROLEUM NO. 1 - FED "CM"

9

D'

EAST

TOP OF ABO

NEAR TOP OF WOLFCAMP

DST #1 3625-720' Op 1' 15"
Rec 90GCM
SIP 130/15"
FP 120

DST #2 4637-77' Op 2'
Rec 35' OM, NS
SIP 60/30"
FP 60

UCT 5166-286' Op 19" w/
fair-good blow dec s11
SI 59" Re Op w/good blow
steady throughout GTS 30"
TSTM Rec 150' O, 1750'
sul wtr

DATUM

COMP 1-24-57

SPUD 7-8-63
TD 8685'

COMP 9-24-63
Not Tested

SPUD 12-3-80
TD 8744'

COMP 1-31-81
Not Tested

SPUD 8-20-75
TD 9321'

COMP 9-2-75

PERF 5202%-12' A/13,500 Gal
F - 11.04 BO, 19 BW, 10.3 MCFG
GOR 933

T 15 S
R-21-E
R-20-E
T 16 S
CO.
CHAVES
T 17 S
T 18 S
D
T 19 S
T 20 S

ABO-WC
SOUT
Engineer V.H.
SIPE
PETROLEUM CO

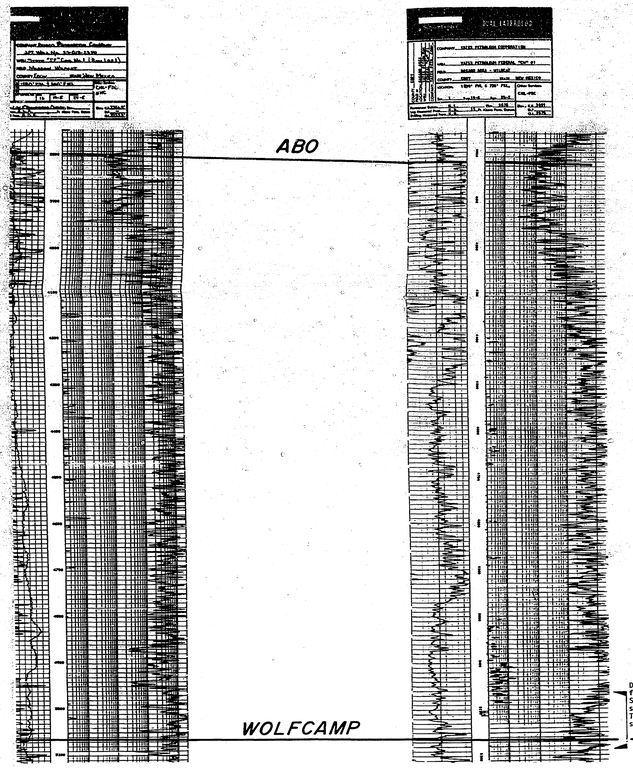
NO. 1 - STATE "IF" COM

8

3 1/2 MILES

YATES PETROLEUM NO. 1 - FED "CM"

9



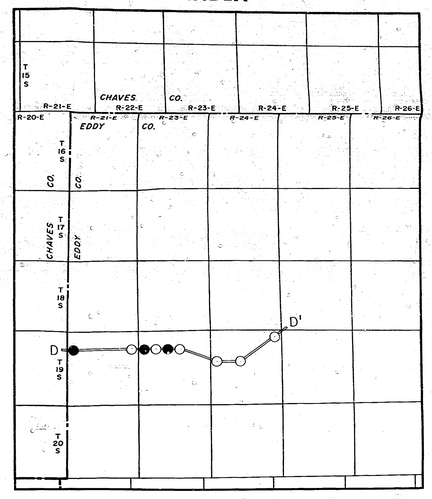
12-3-80 COMP 1-31-81
744' Not Tested

SPUD 8-20-75 COMP 9-2-75
TD 9321'

PERF 5202%-12' A/13,500 Gal
F - 11.04 BO, 19 BW, 10.3 MCFG
GOR 933

D'
EAST

INDEX



RECEIVED
APR 29 1982
OIL CONSERVATION DIVISION
SANTA FE

STRATIGRAPHIC
CROSS SECTION D - D'
(WEST - EAST)

ABO-WOLFCAMP TIGHT GAS PLAY SOUTHEASTERN NEW MEXICO		County- EDDY & CHAVES	State- NEW MEXICO
Engineer V.H./R.E.S./J.J.K.	Drwn. H's	Date 4-26-82	File-STANDARD RESOURCES CORP.
SIPES, WILLIAMSON & ASSOCIATES, INC. PETROLEUM CONSULTANTS DENVER-MIDLAND-HOUSTON		Ref. No. 2.3940	EXHIBIT 8

PHOENIX RESOURCES NO. 1 RANCH ROAD UNIT

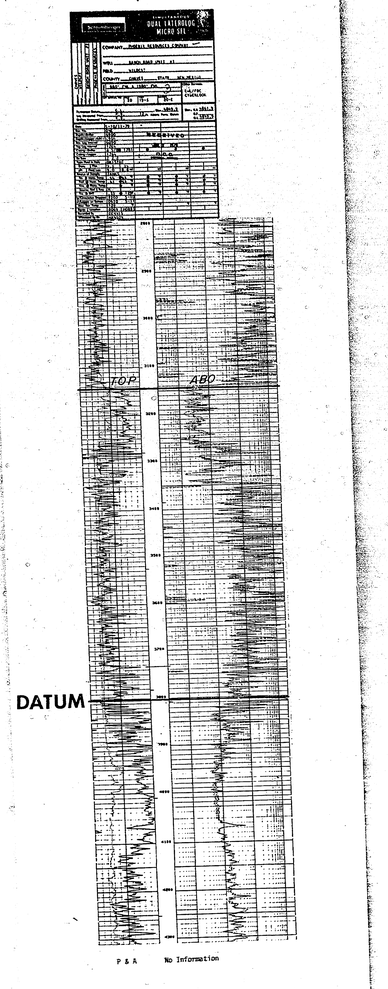


EXHIBIT 8A

CITIES SERVICE NO. 1 - GOVERNMENT "AJ"

18A-10

3 MILES

HILLIARD OIL & GAS NO. 1 - DEER CANYON UNIT

2

1 1/2 MILES

MAX WILSON NO. 1 - WILDERNHEL

3

2 1/2 MILES

MESA PETROLEUM NO. 1 - BUZZARD FED COM

4

5 MILES

PAN AMERICAN NO. 1 - LONG DRAW UNIT

5

E
WEST

E'
EAST

TOP OF ABO

DATUM — MARKER — NEAR TOP OF WOLFCAMP — DATUM

SPUD 8-4-79
TD 7968'
COMP 10-20-79
Not Tested

SPUD 10-21-73
TD 8767'
P & A
COMP 11-30-73
Not Tested

SPUD 8-22-79
TD 8700'
P & A
PERF 4570-90' A/2000 Gal
F/40,000 Gal Wtr & 20,000 Sd
Swb 35 BF w/55%
COMP 12-11-79

SPUD 5-14-80
TD 8690'
P & A
COMP 6-16-80
Not Tested

SPUD 4-28-64
TD 9396'
P & A
COMP 6-11-64
Not Tested

R-21-E
R-20-E
T 15 S
T 16 S
T 17 S
T 18 S
T 19 S
T 20 S
CHAVES CO.

ABO-WOL
SOUTH

Engineer V.H.

SIPE

PETROLEUM CON

MESA PETROLEUM NO. 1 - BUZZARD FED COM

4

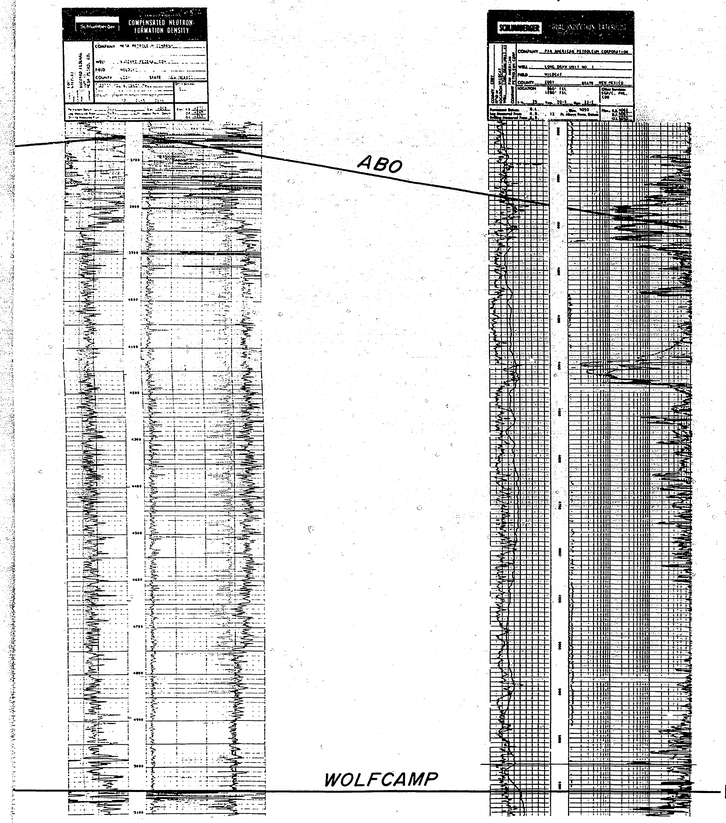
5 MILES

PAN AMERICAN NO. 1 - LONG DRAW UNIT

5

E'

EAST



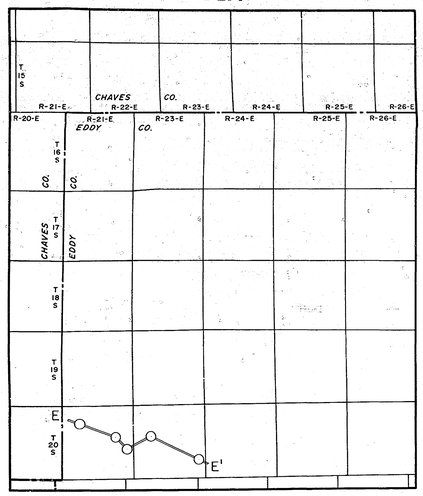
SPUD 5-14-80
TD 8690'
P & A

COMP 6-16-80
Not Tested

SPUD 4-28-64
TD 9396'
P & A

COMP 6-11-64
Not Tested

INDEX



RECEIVED
APR 29 1982
OIL CONSERVATION DIVISION
SANTA FE

STRATIGRAPHIC
CROSS SECTION E - E'
(WEST - EAST)

ABO-WOLFCAMP TIGHT GAS PLAY SOUTHEASTERN NEW MEXICO		County- EDDY & CHAVES	State- NEW MEXICO
Engineer V.H. / R.E.S. / J.J.K.	Drwn. H's	Date 4-26-82	File-STANDARD RESOURCES CORP.
SIPES, WILLIAMSON & ASSOCIATES, INC. PETROLEUM CONSULTANTS DENVER-MIDLAND-HOUSTON		Ref. No. 2.3940	EXHIBIT 9

EXHIBIT ____

Schlumberger

DUAL LATEROLOG

COMPANY ALPINE PETROLEUM CORPORATION

WELL SUN TEXAS STATE #1

FIELD WILDCAT

COUNTY EDDY STATE NEW MEXICO

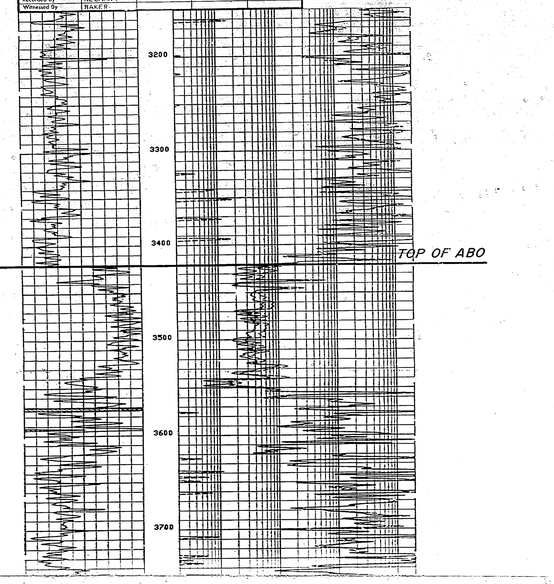
Other Services: CNL/FDL

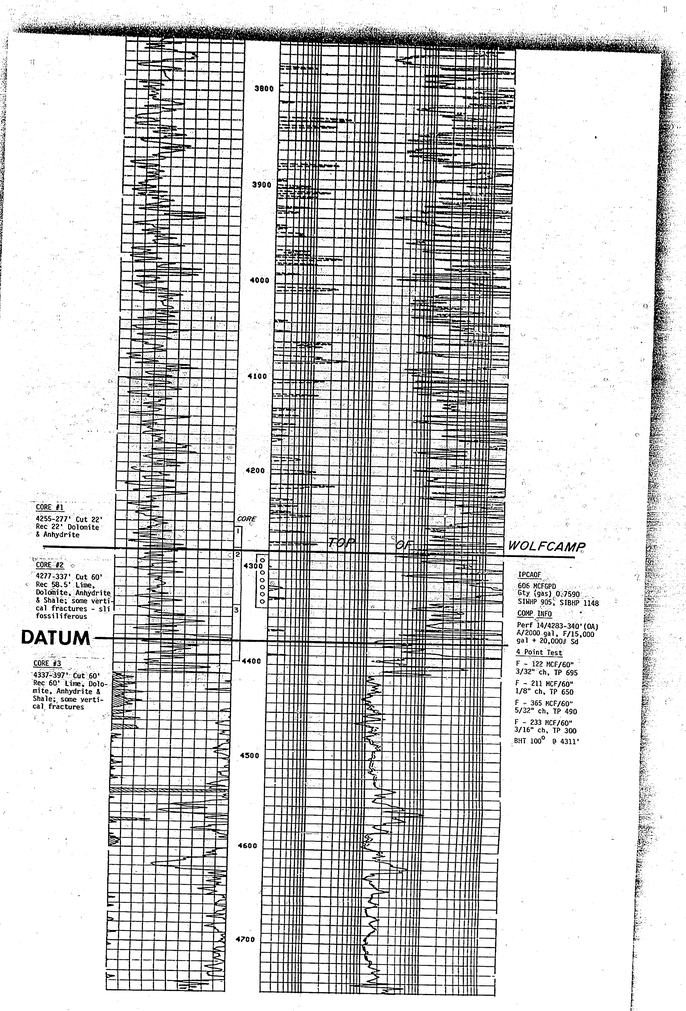
Permanent Datum	G.L. Elev. 4087
Log Measured From	K.B. 12 Ft. Above Perm. Datum
Drilling Measured From	K.B.

Elev.: K.B. 4099
D.F.
G.L. 4087

Date	6-3-81			
Run No.	ONE			
Depth-Driller	7400			
Depth-Logger (Sch.)	7423			
Btm. Log Interval	7356			
Top Log Interval	1633			
Casing-Driller	8 5/8@ 1633	@	@	@
Casing-Logger	1633			
Bit Size	7 7/8			
Type Fluid in Hole	SALT MUD			
Dens. / Visc.	9.0 / 39			
pH / Fluid Loss	9.5 / 10	ml	ml	ml
Source of Sample	PIT			
Rm @ Meas. Temp.	.070 @ 86 °F	@ °F	@ °F	@ °F
Rmf @ Meas. Temp.	.065 @ 85 °F	@ °F	@ °F	@ °F
Rmc @ Meas. Temp.		@ °F	@ °F	@ °F
Source: Rmf / Rmc	M			
Rm @ BHT	.045 @ 141 °F	@ °F	@ °F	@ °F
Time Circulation Stopped	13:30 6-3-81			
Time Logger on Bottom	01:00 6-4-81			
Max. Rec. Temp.	141 °F	°F	°F	°F
Equip. / Location	8215 / NSWL			
Recorded By	NEUMANN			
Witnessed By	BAKER			

API Serial No.	Sec. 24	Twp. 17-S
		Range 31-E





IPCAOF

605 MCFGPD
Gty (gas) 0.7590
SIWHP 905, SIBHP 1148

COMP INFO

Perf 14/4283-340'(OA)
A/2000 gal, F/15,000
gal + 20,000# Sd

4 Point Test

F - 122 MCF/60"
3/32" ch, TP 695

F - 211 MCF/60"
1/8" ch, TP 650

F - 365 MCF/60"
5/32" ch, TP 490

F - 233 MCF/60"
3/16" ch, TP 300
BHT 100° @ 4311'

ABO-WOLFCAMP TIGHT GAS PLAY

SOUTHEASTERN NEW MEXICO

LOG OF CORED WELL

EXHIBIT 13A