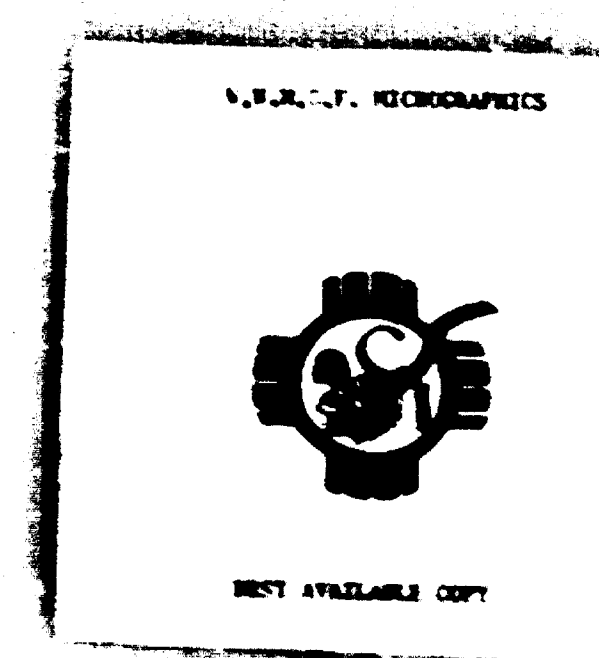
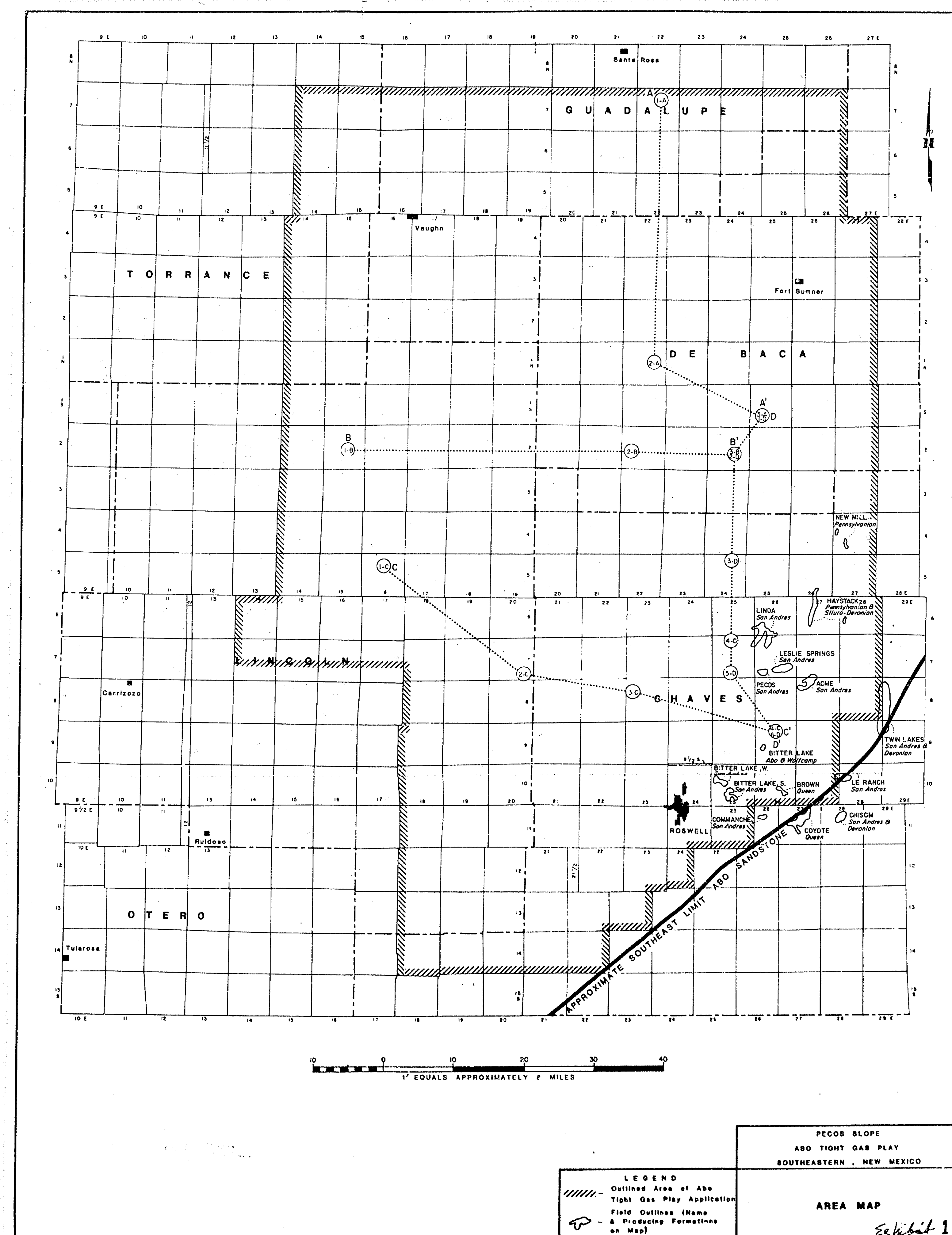
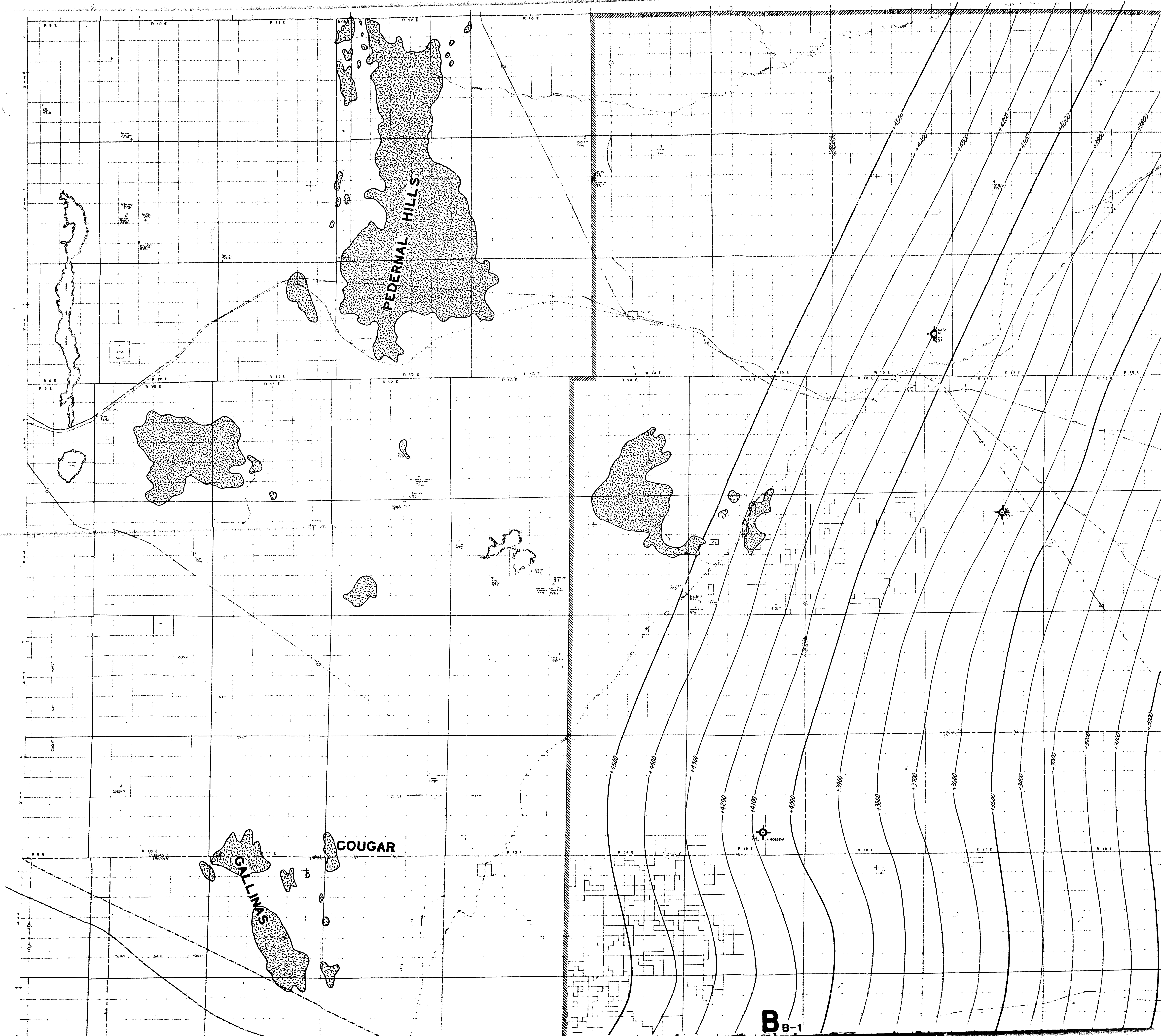


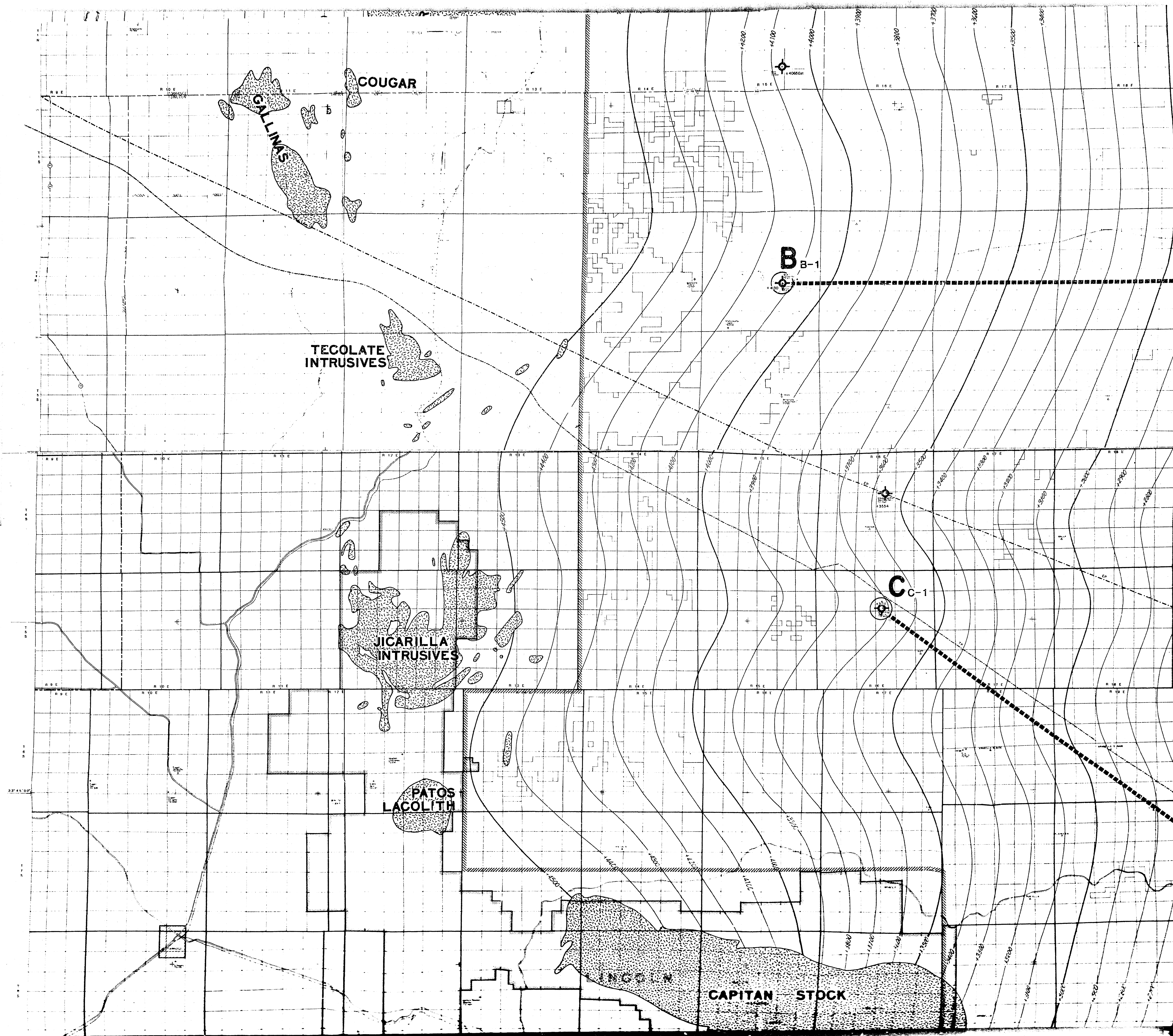
Case No.
7093

Large Exhibits

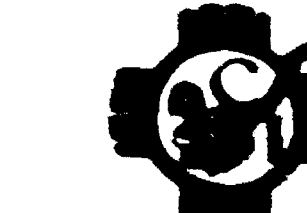




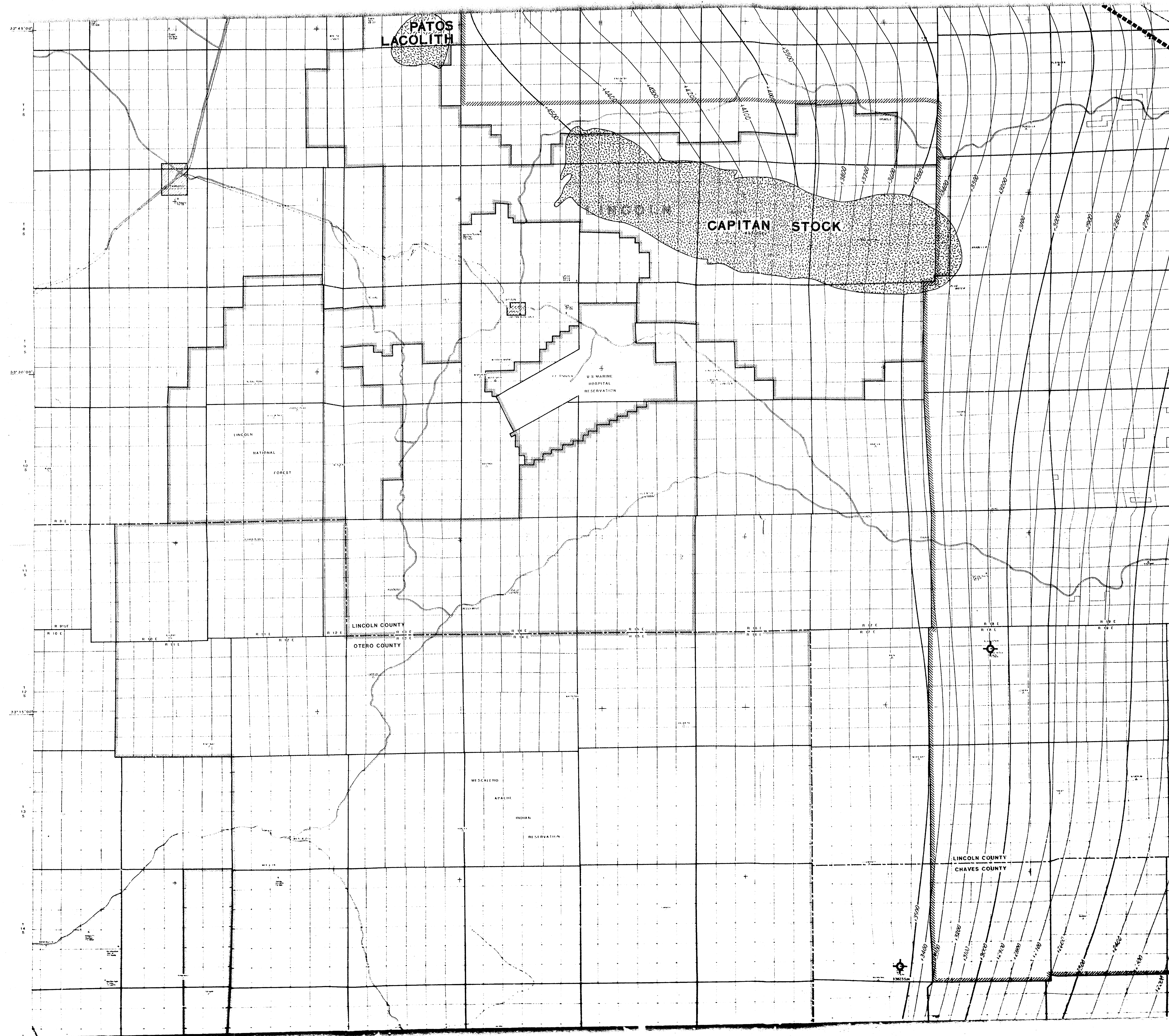




U.S. GEOLOGICAL SURVEY



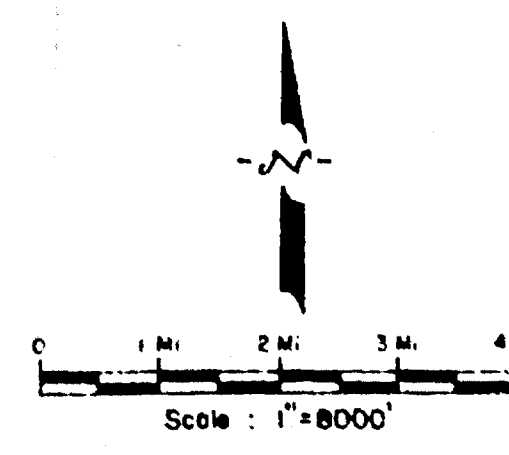
1:50,000





LEGEND :

PRODUCTION	GENERAL
Abo Gas Wells	Outline of proposed Abo Tight Sand area
Fields, Production from other than Abo, noted on map	Cross-section traces



**PECOS SLOPE
ABO TIGHT GAS PLAY
SOUTHEASTERN, NEW MEXICO**

ABO STRUCTURE MAP

CONTOUR INTERVAL = 100'

SCALE 1" = 8000'

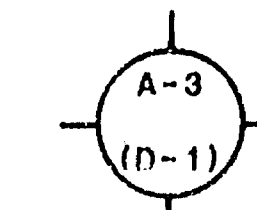
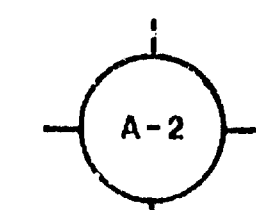
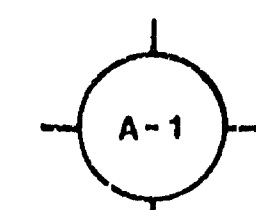
WEST HALF

EXHIBIT #5



A
North

A'
South



BAKER & TAYLER
#1 Dale Smith
Guadalupe County, N.M.

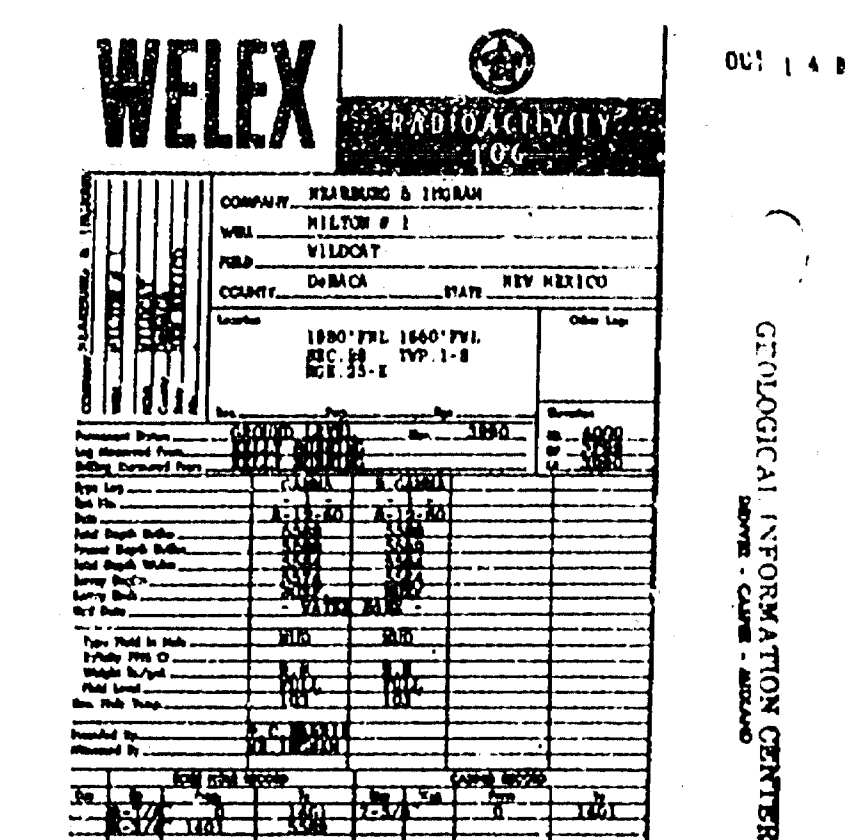
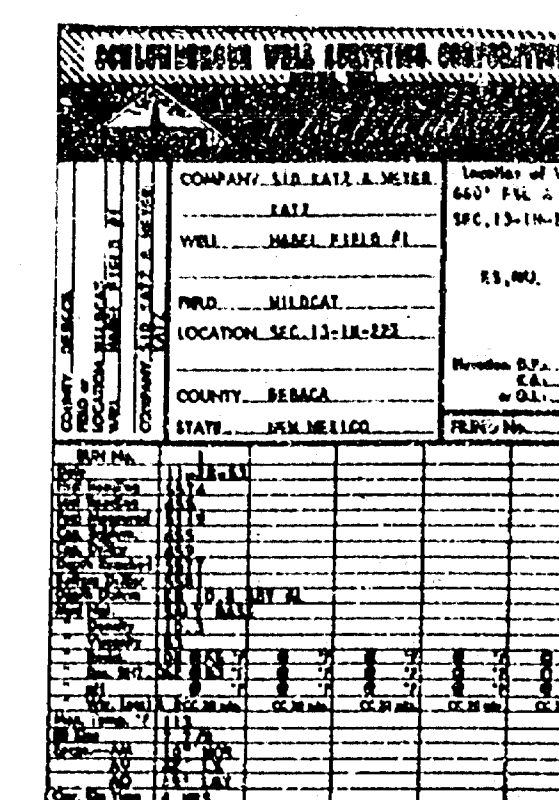
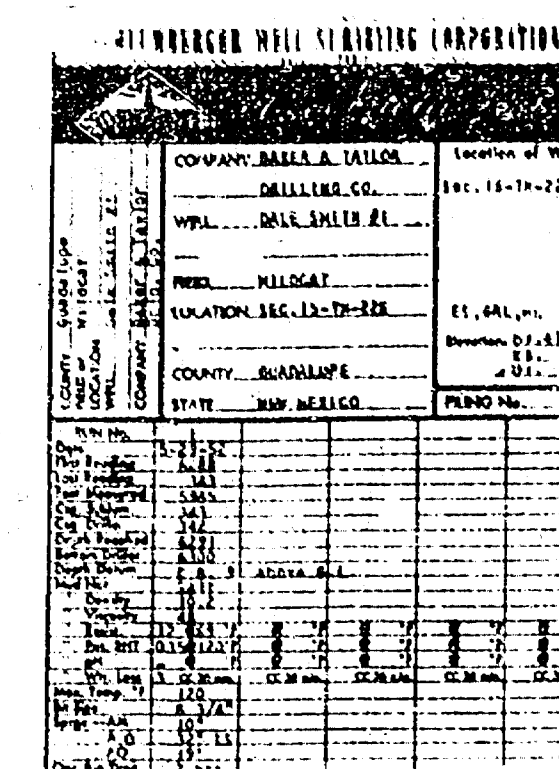
SID KATZ
#1 Mabel Field
De Baca County, N.M.

NEARBURG & INGRAM
#1 Milton
De Baca County, N.M.

15 T7N R22E

13 T1N R22E

28 T1S R25E



Stratigraphic Datum
ABO

Stratigraphic Datum
ABO

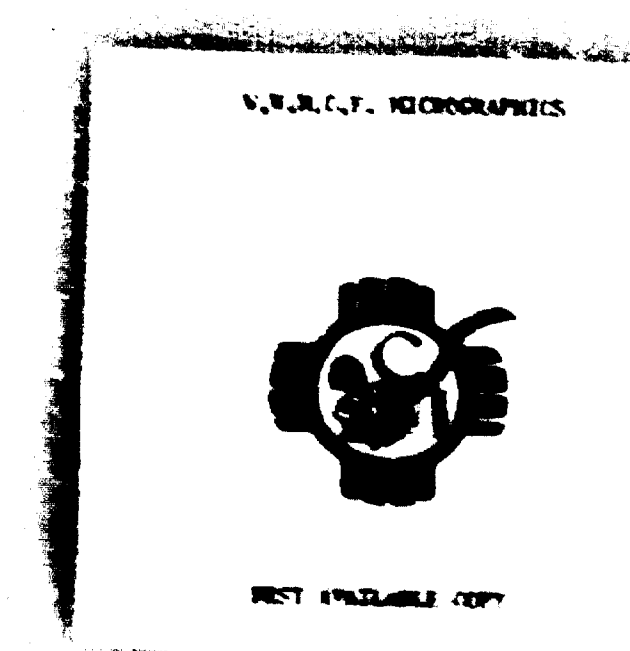
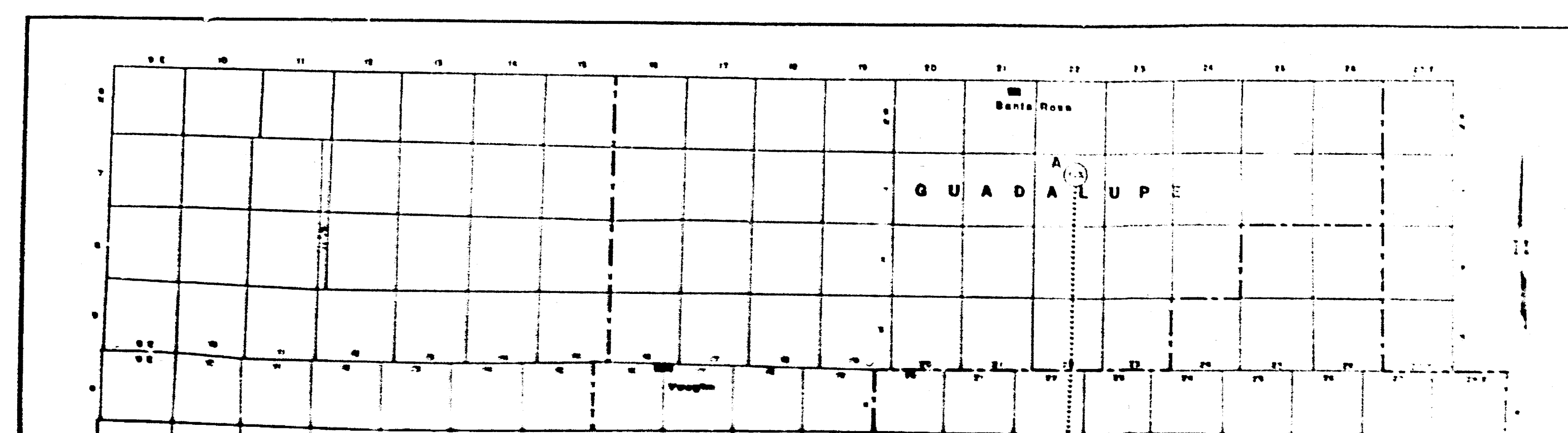
BASE ABO
WOLFCAMP HUECO

BASE ABO
WOLFCAMP HUECO

COMPLETED 5-20-52
T.D. 6299'

COMPLETED 11-30-53
T.D. 5581'

COMPLETED 8-15-60
T.D. 5589'



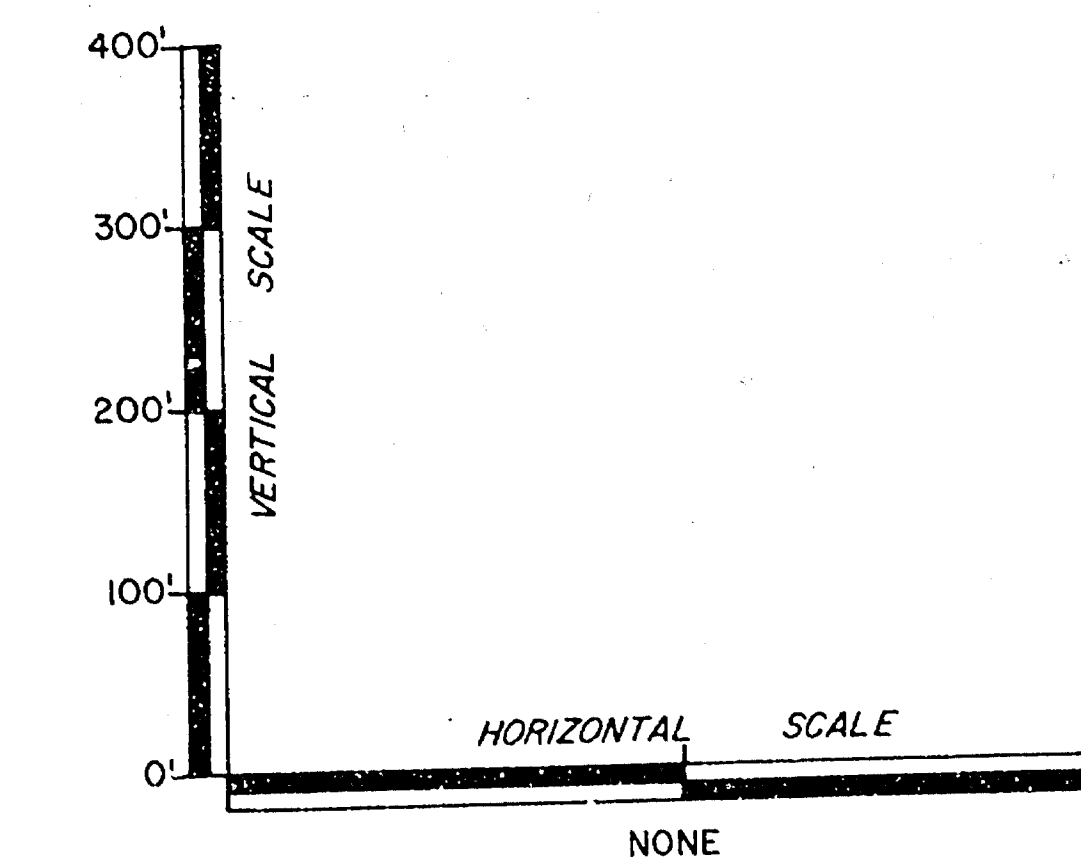
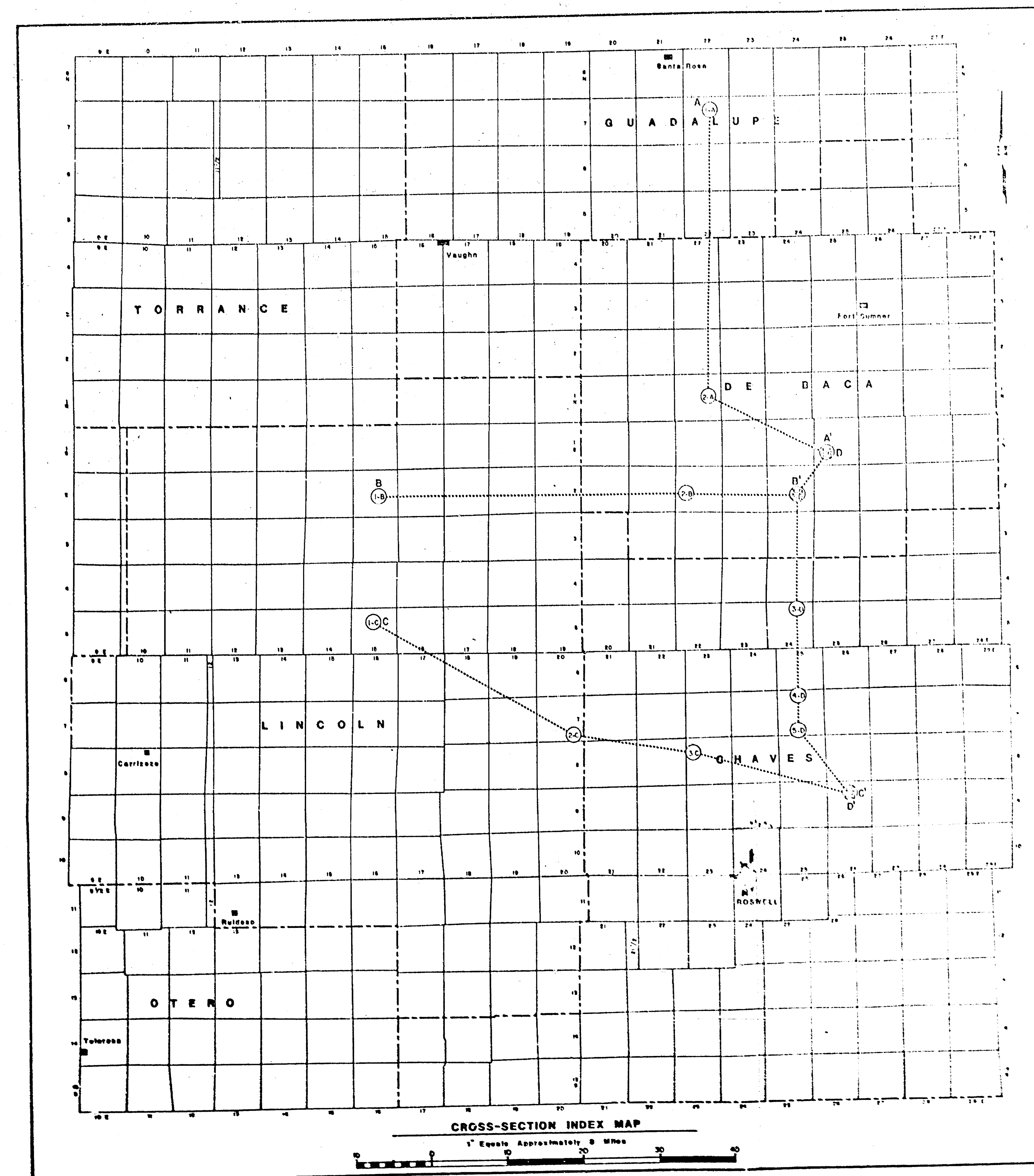
BASE ABO
WOLFCAMP HUECO

COMPLETED 5-20-52
T.D. 6289'

COMPLETED 11-30-53
T.D. 5581'

BASE ABO
WOLFCAMP HUECO

COMPLETED 8-15-60
T.D. 5589'



PECOS SLOPE
ABO TIGHT GAS PLAY
SOUTHEASTERN, NEW MEXICO

REGIONAL CROSS - SECTION

A - A'

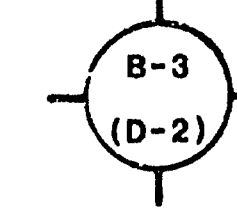
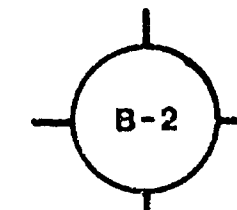
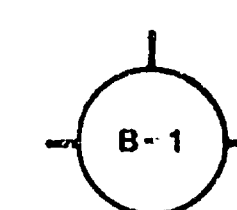
11 - 1980

EXHIBIT #6



B
West

B'
East



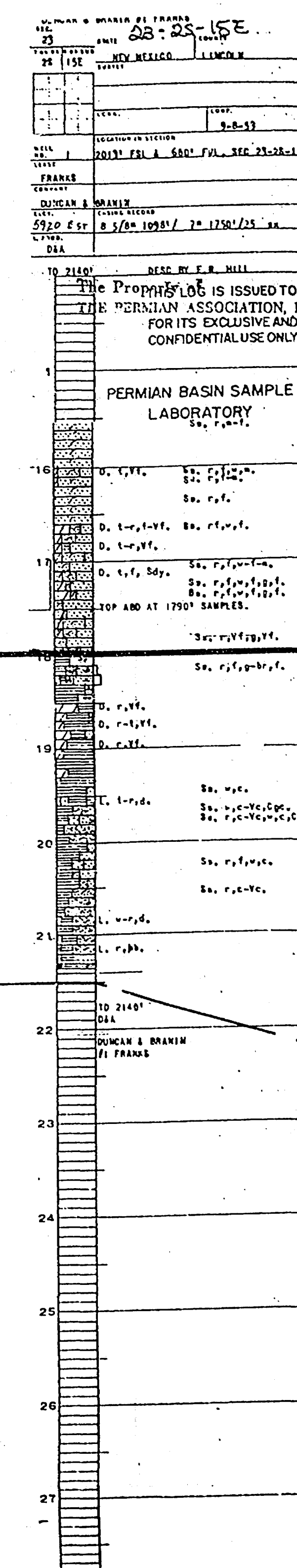
40 Miles

15 Miles

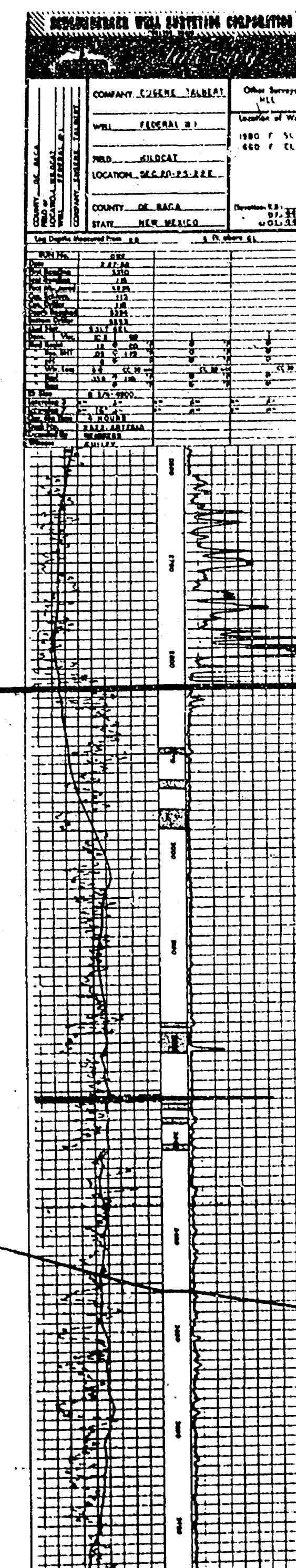
DUNCAN & BRANIN
(MALCOLM et al)
#1 Franks
Lincoln County, N.M.
23 T2S R15E

TALBERT
#1 Federal
De Baca County, N.M.
20 T2S R22E

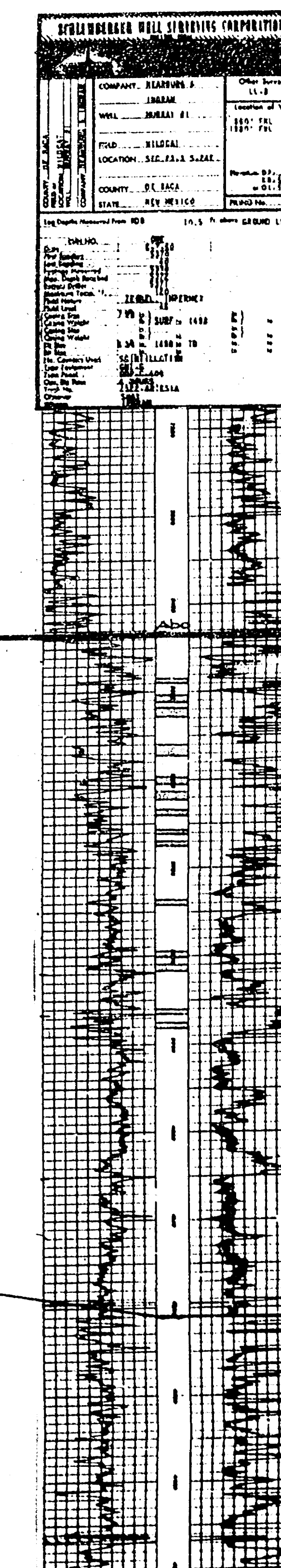
NEARBURG & INGRAM
#1 Murry
De Baca County, N.M.
23 T3S R24E



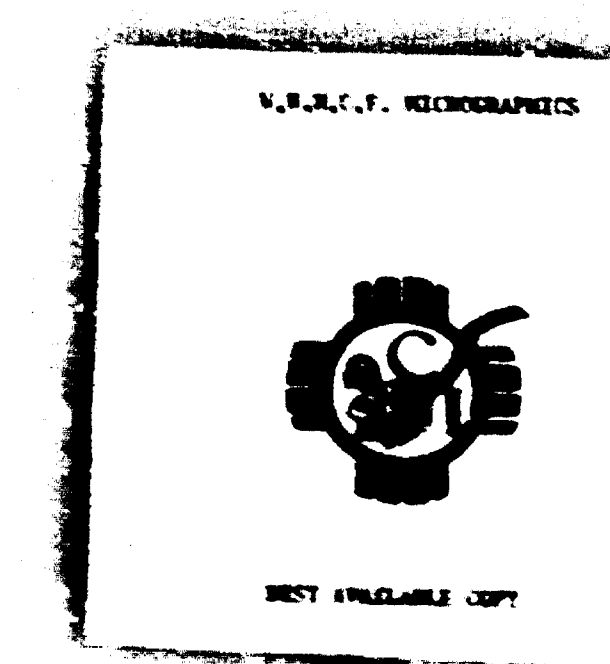
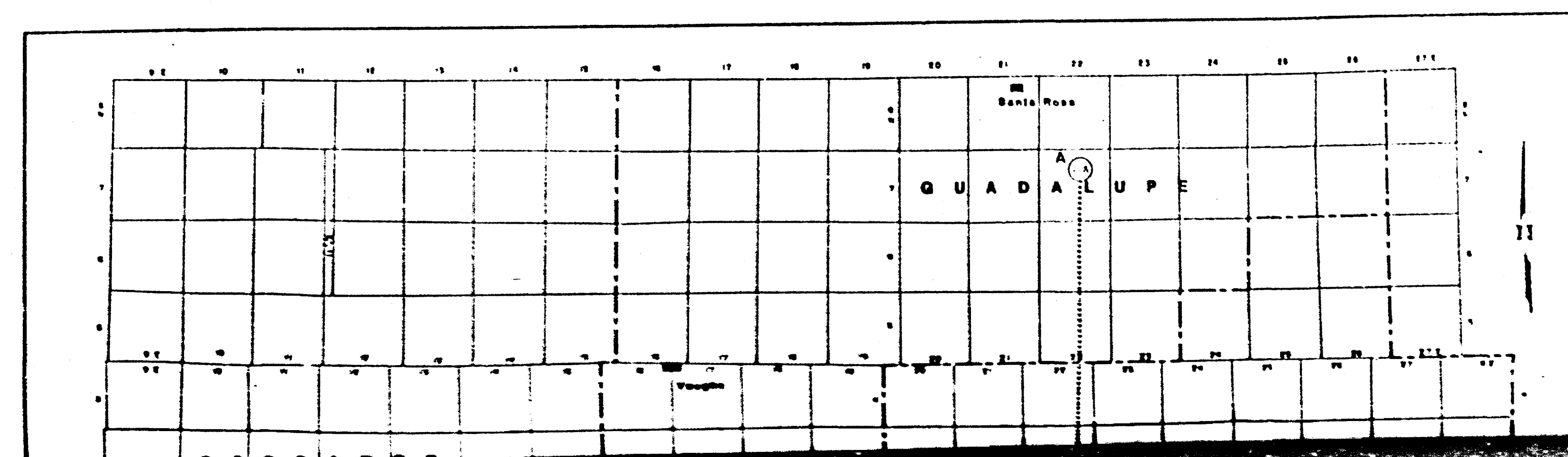
ORIGINAL SPUD DATE 9-22-53
FINAL COMPLETION 10-12-55
SHOW OF FLAMABLE GAS
AT 1825' WHILE DRILLING
WITH CABLE TOOLS
T.D. 2140'

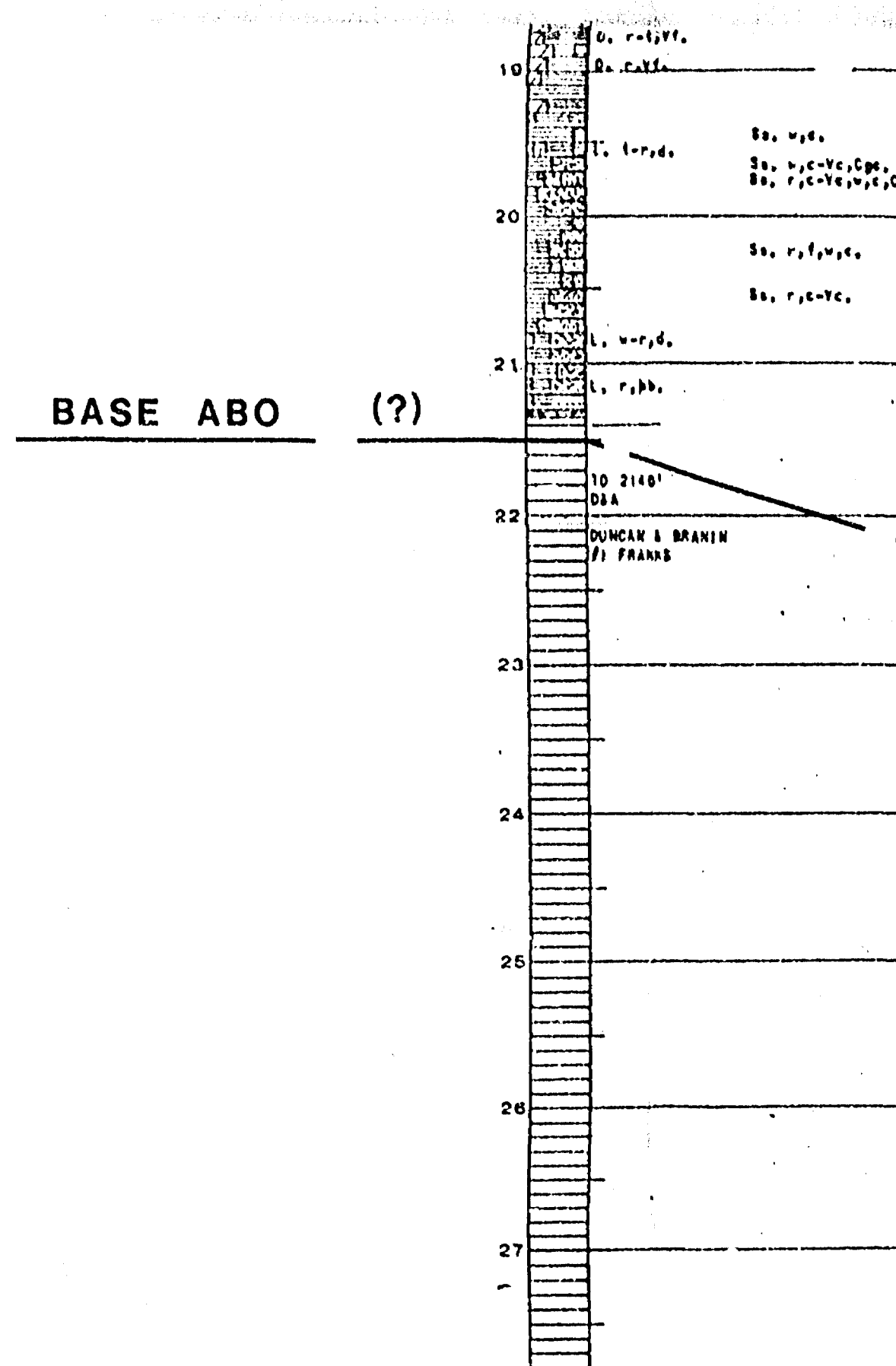


COMPLETED 3-2-56
T.D. 5354'

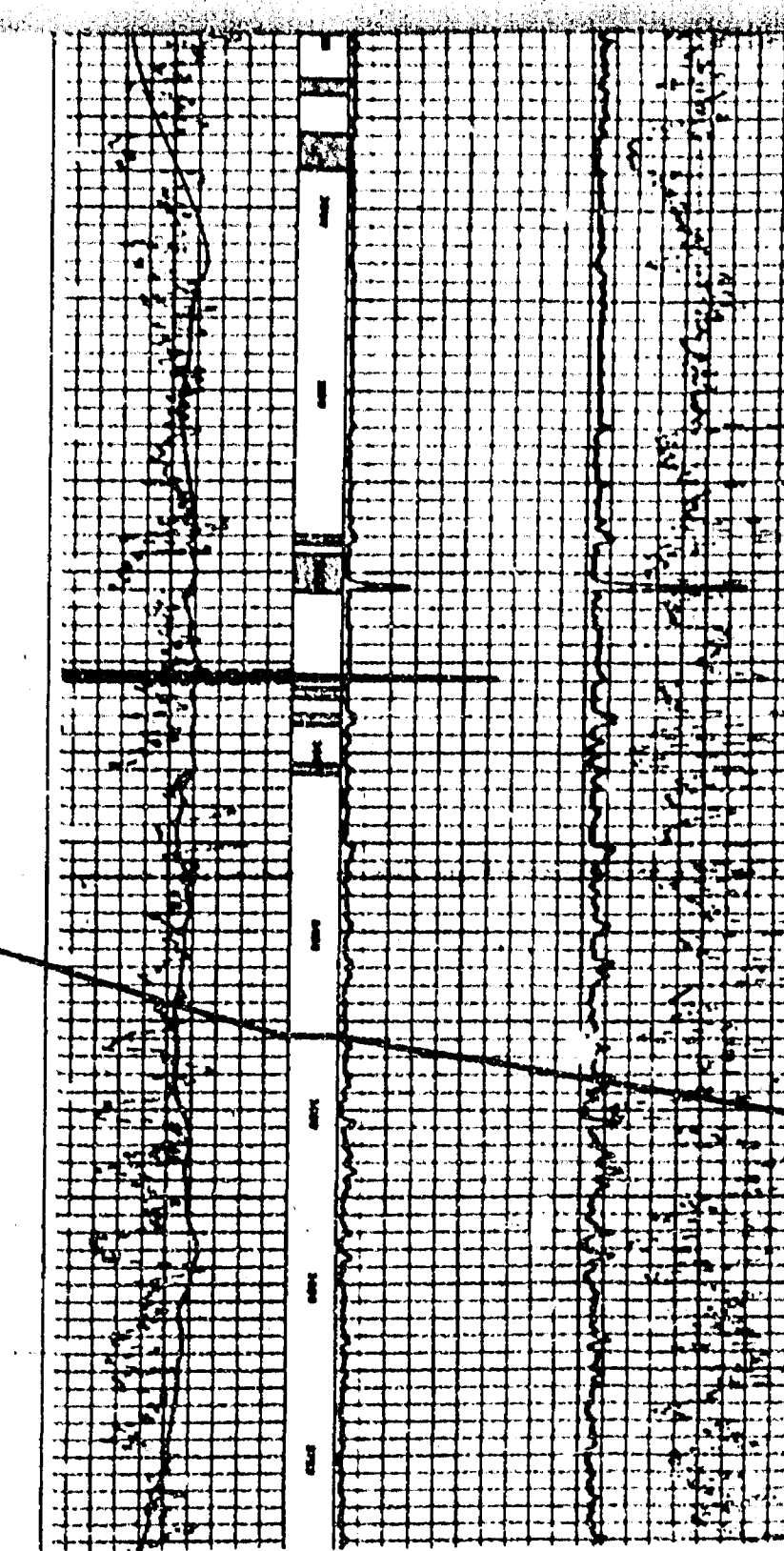


COMPLETED 6-8-60
T.D. 5372'

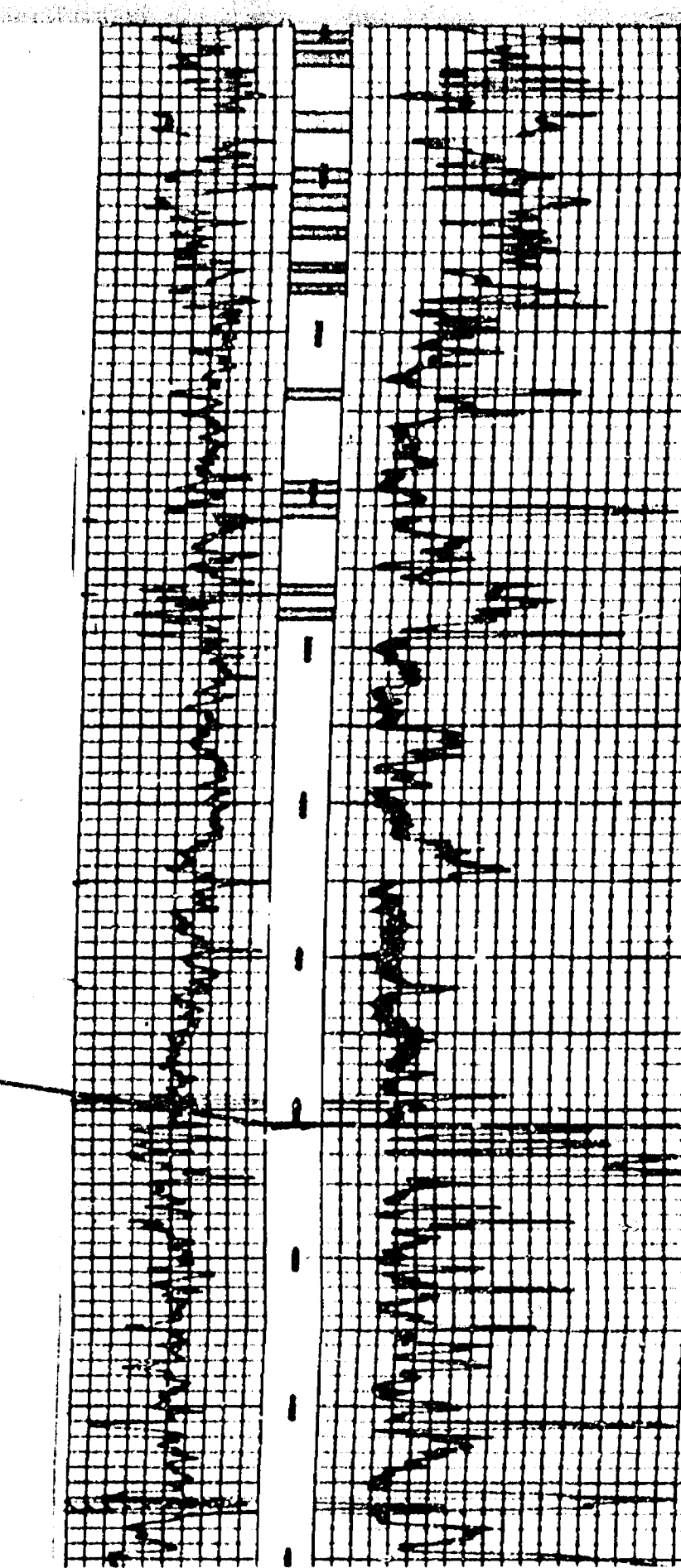




ORIGINAL SPUD DATE 9-22-53
 FINAL COMPLETION 10-12-55
 SHOW OF FLAMABLE GAS
 AT 1825' WHILE DRILLING
 WITH CABLE TOOLS
 T.D. 2140'

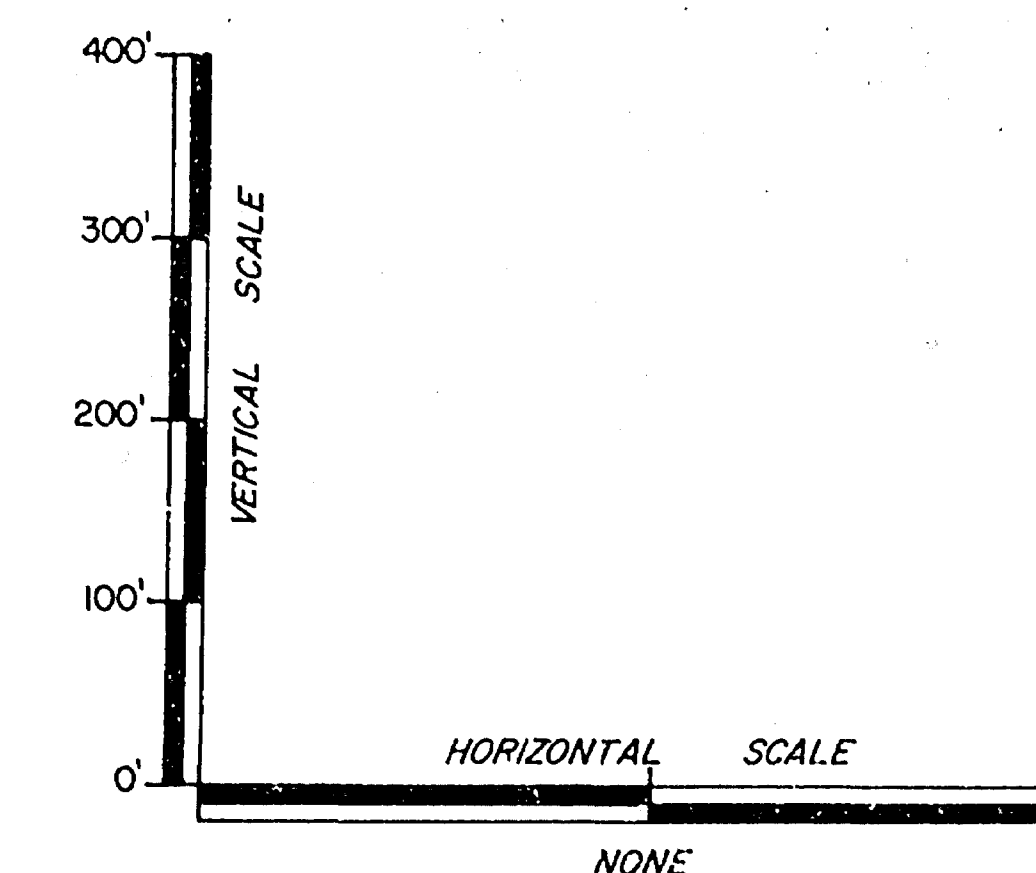
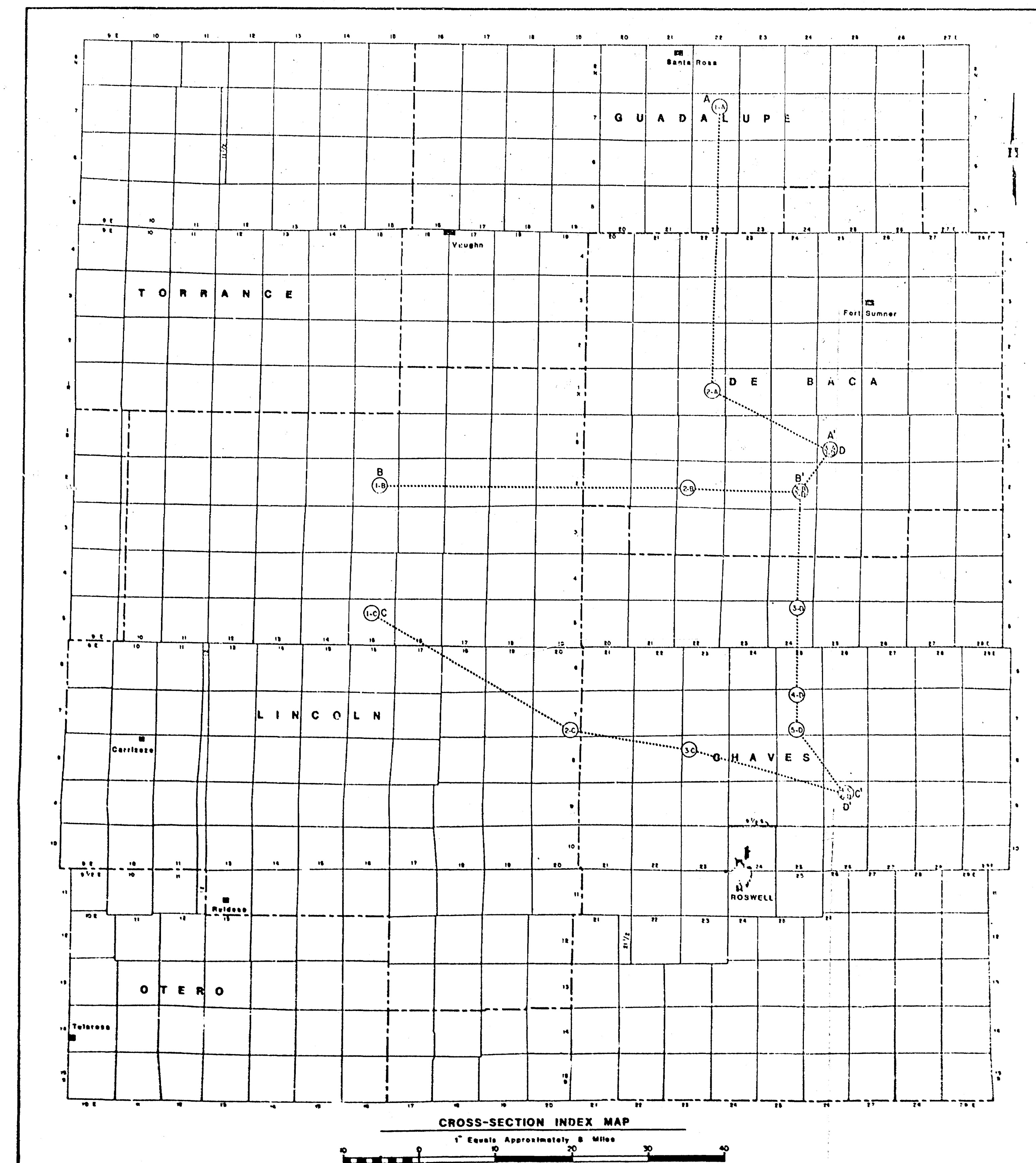


COMPLETED 3-2-58
 T.D. 5354'



BASE ABO
 WOLFCAMP HUECO

COMPLETED 6-8-60
 T.D. 5372'



PECOS SLOPE
 ABO TIGHT GAS PLAY
 SOUTHEASTERN, NEW MEXICO

REGIONAL CROSS-SECTION

B - B'

11 - 1980

EXHIBIT #7

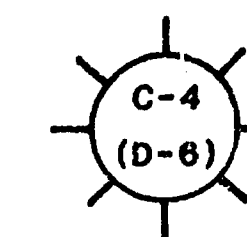


West

***30 c**

#38 P,b,c

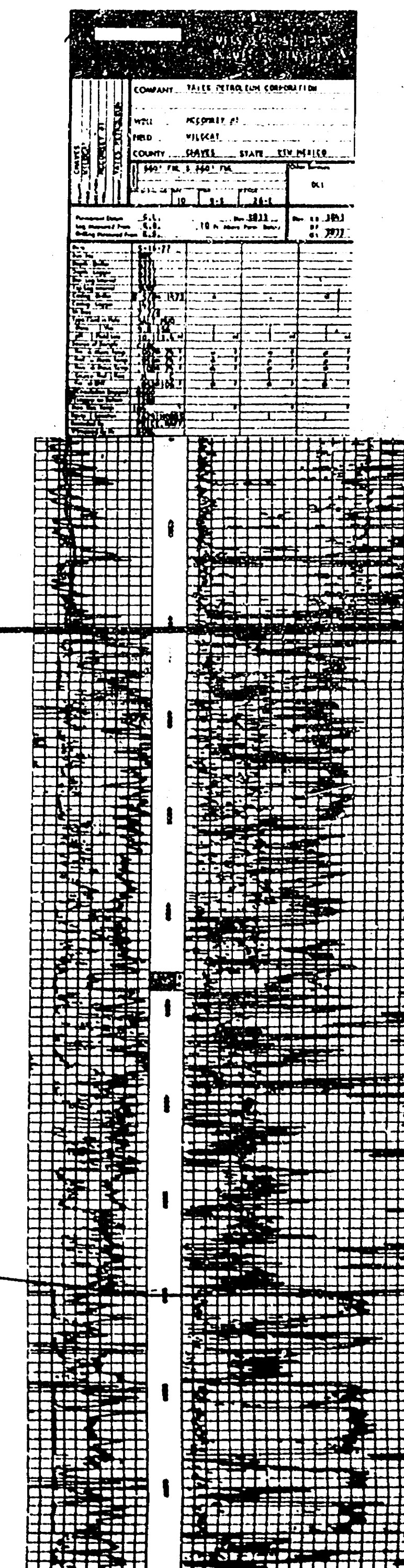
East



2.1 Miles

YATES
#1 McConkey
Chaves County , N.M.

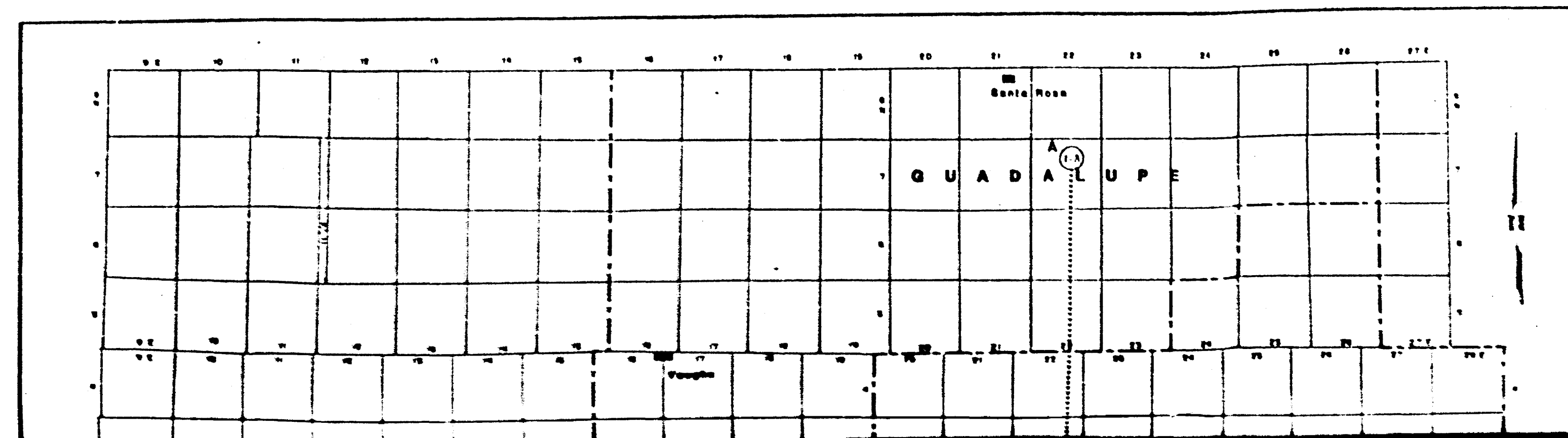
10 T9S R26E

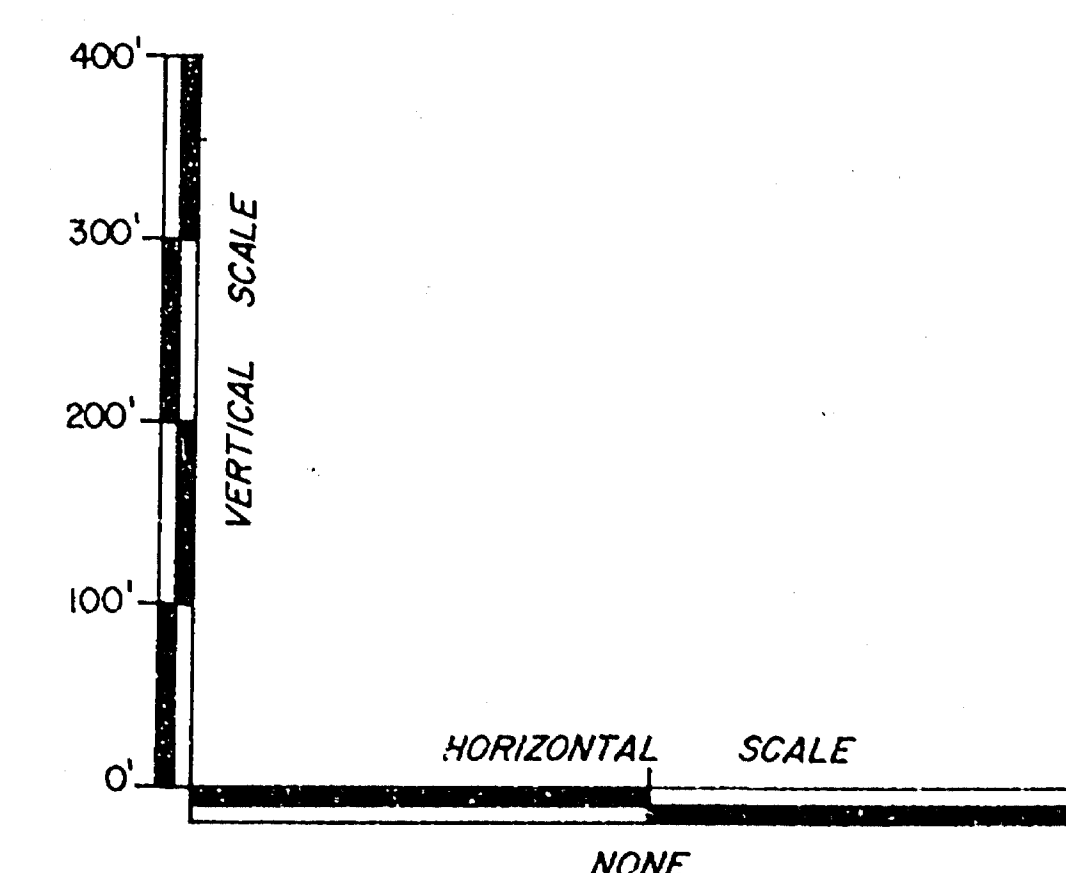
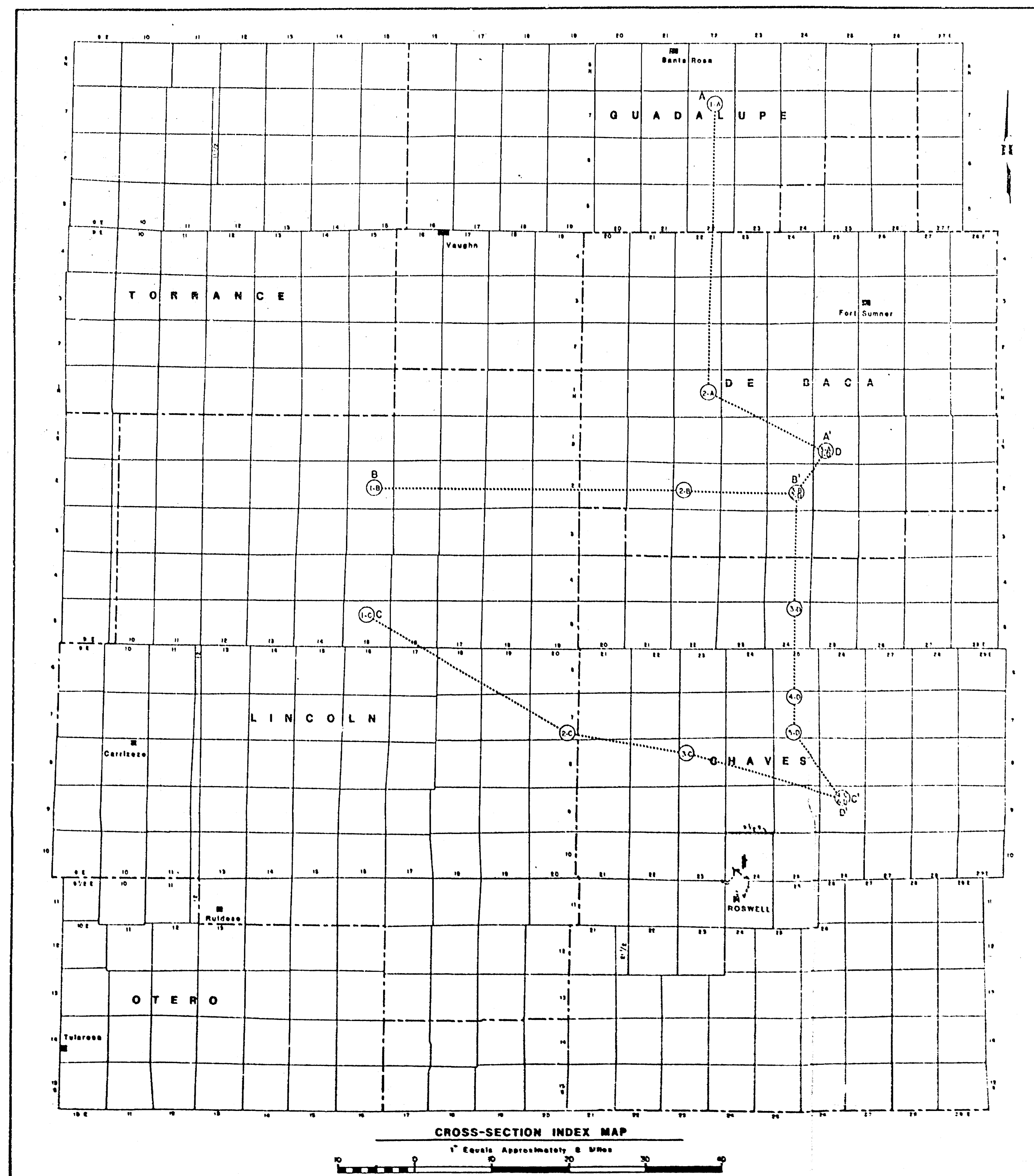
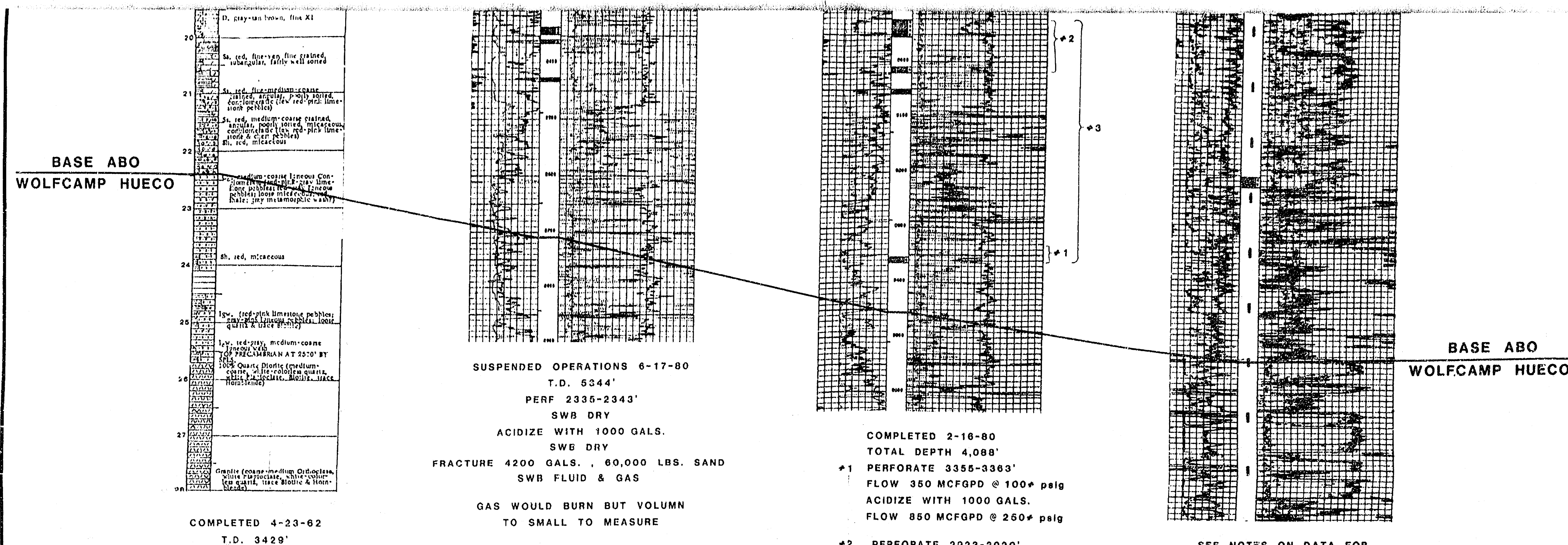


ABO

BASE ABO
WOLF CAMP HUECO

SEE NOTES ON DATA FOR
X-SECTION D-D' DESIGNATED AS D-6





PECOS SLOPE
ABO TIGHT GAS PLAY
SOUTHEASTERN , NEW MEXICO

REGIONAL CROSS-SECTION
C - C'

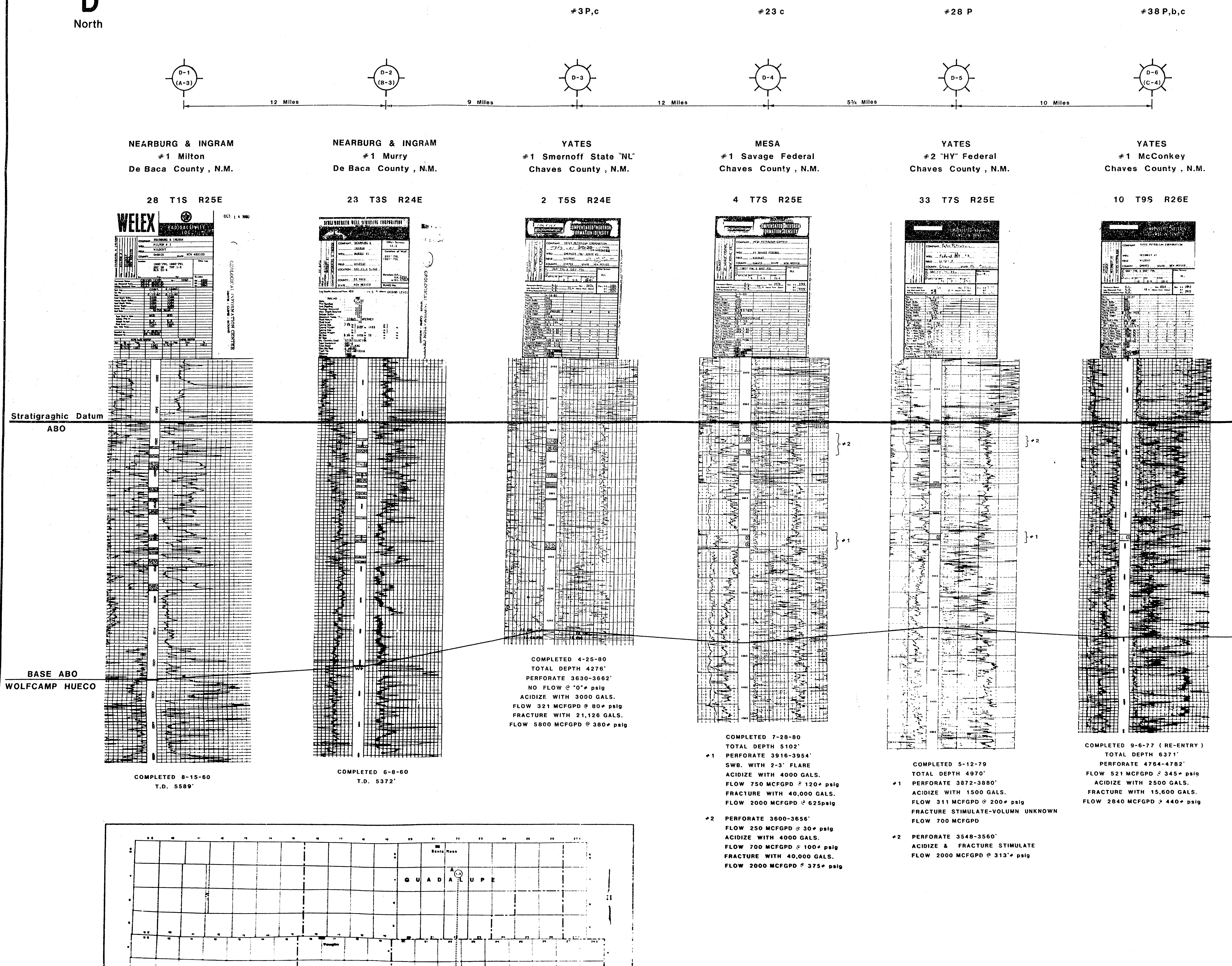
11-1980

EXHIBIT #3

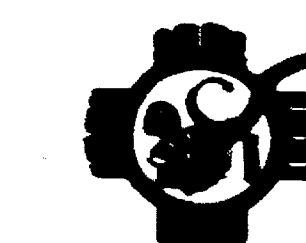


D
North

D'
South

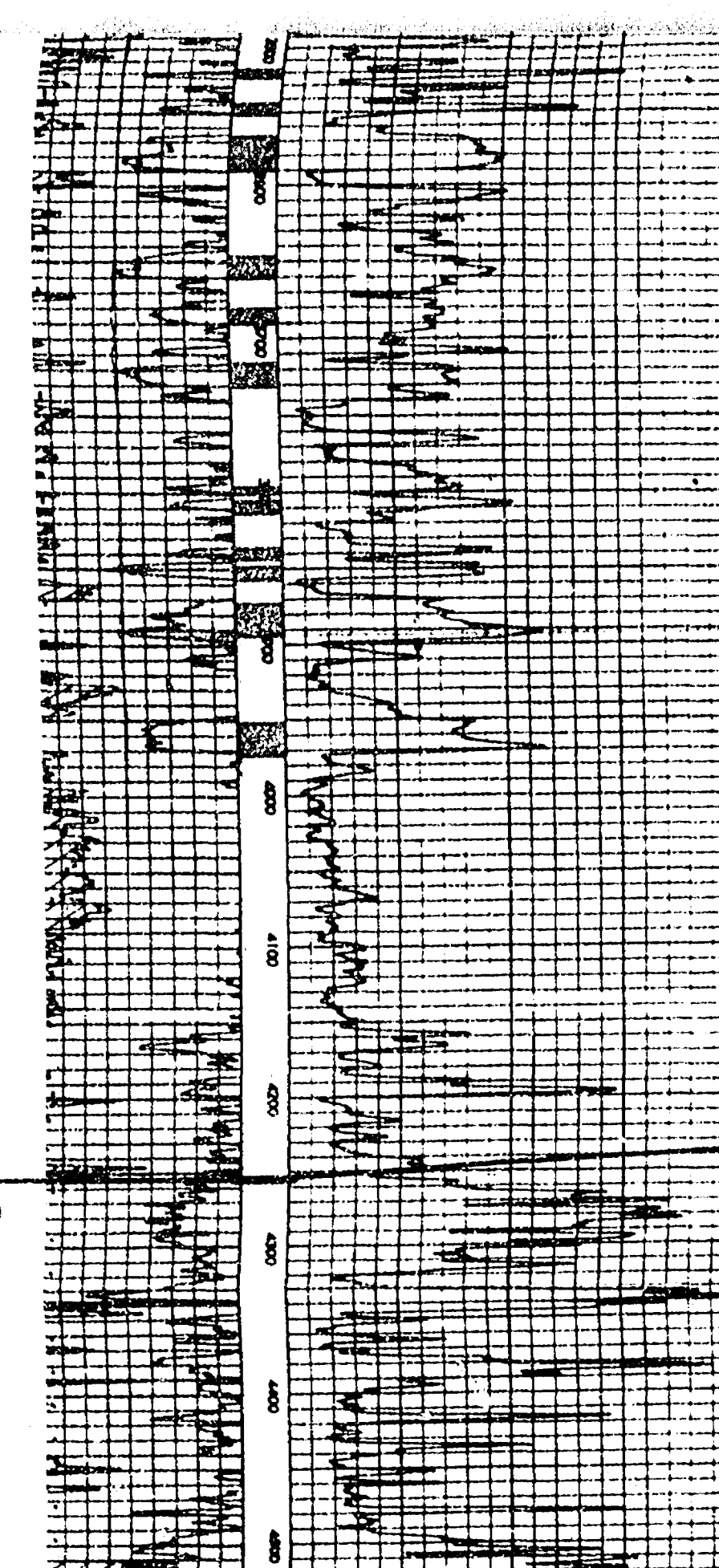


U.S.G.C.F. MICROFILMS

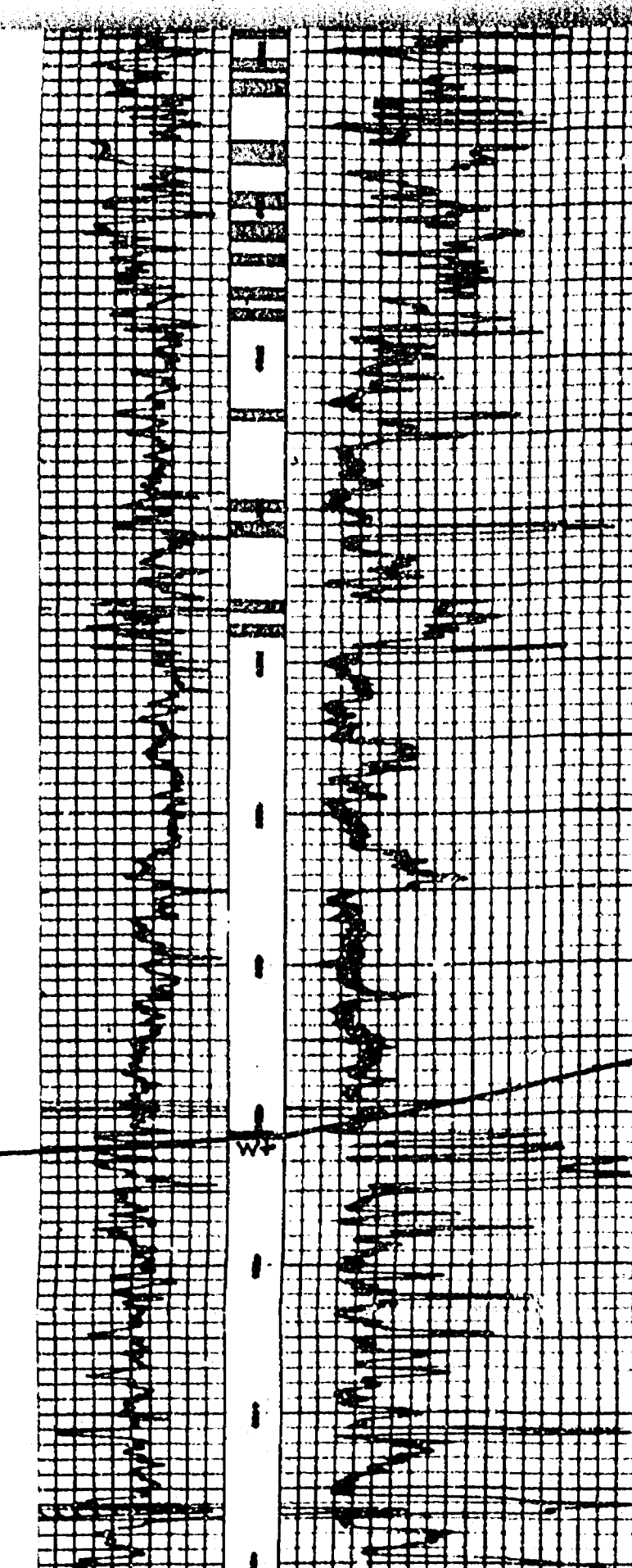


NOT AVAILABLE COPY

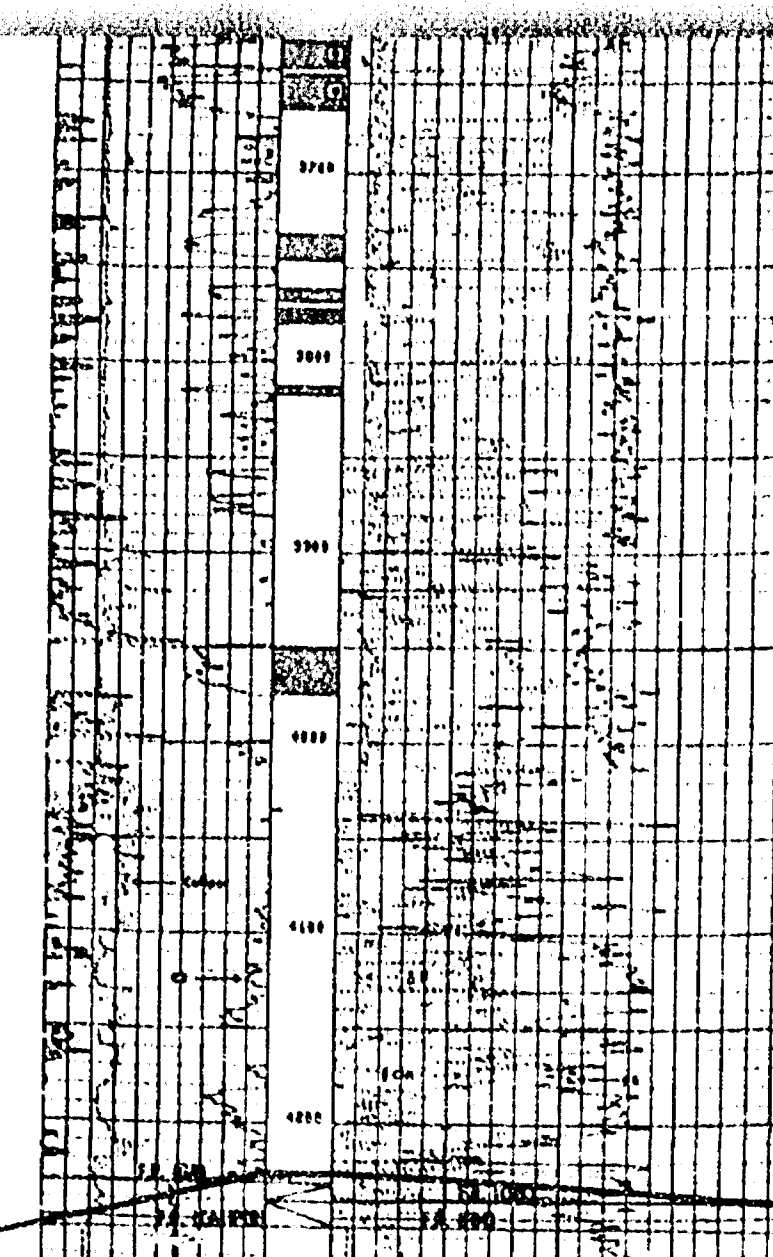
BASE ABO
WOLFCAMP HUECO



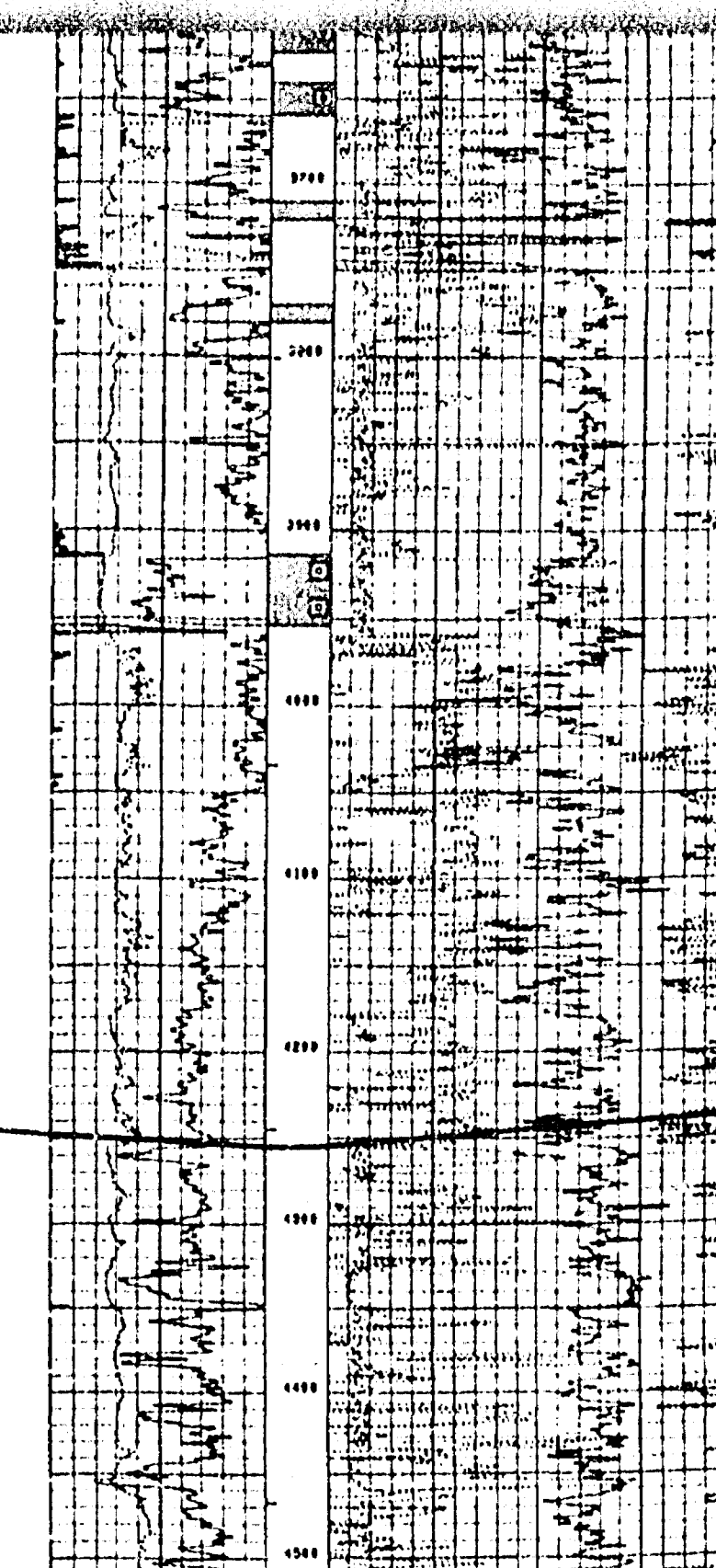
COMPLETED 8-15-80
T.D. 5589'



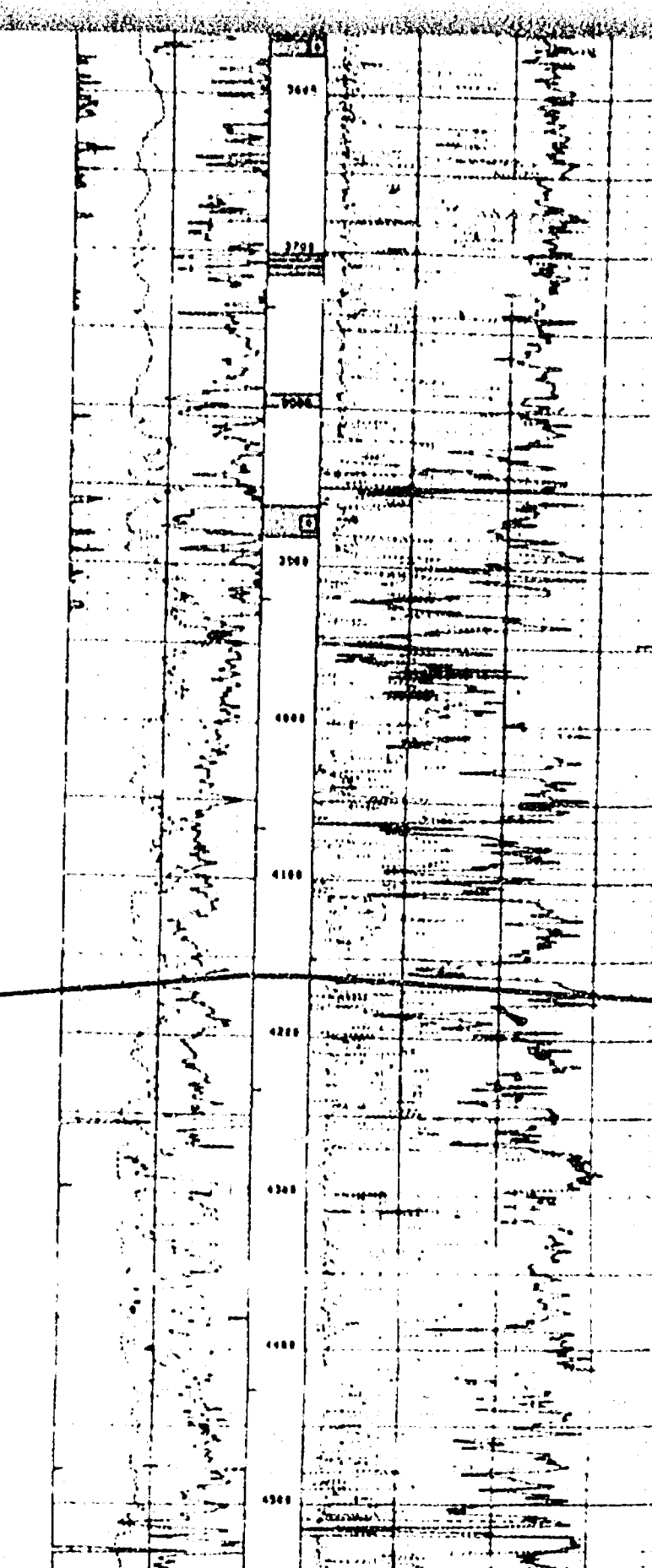
COMPLETED 6-8-80
T.D. 5372'



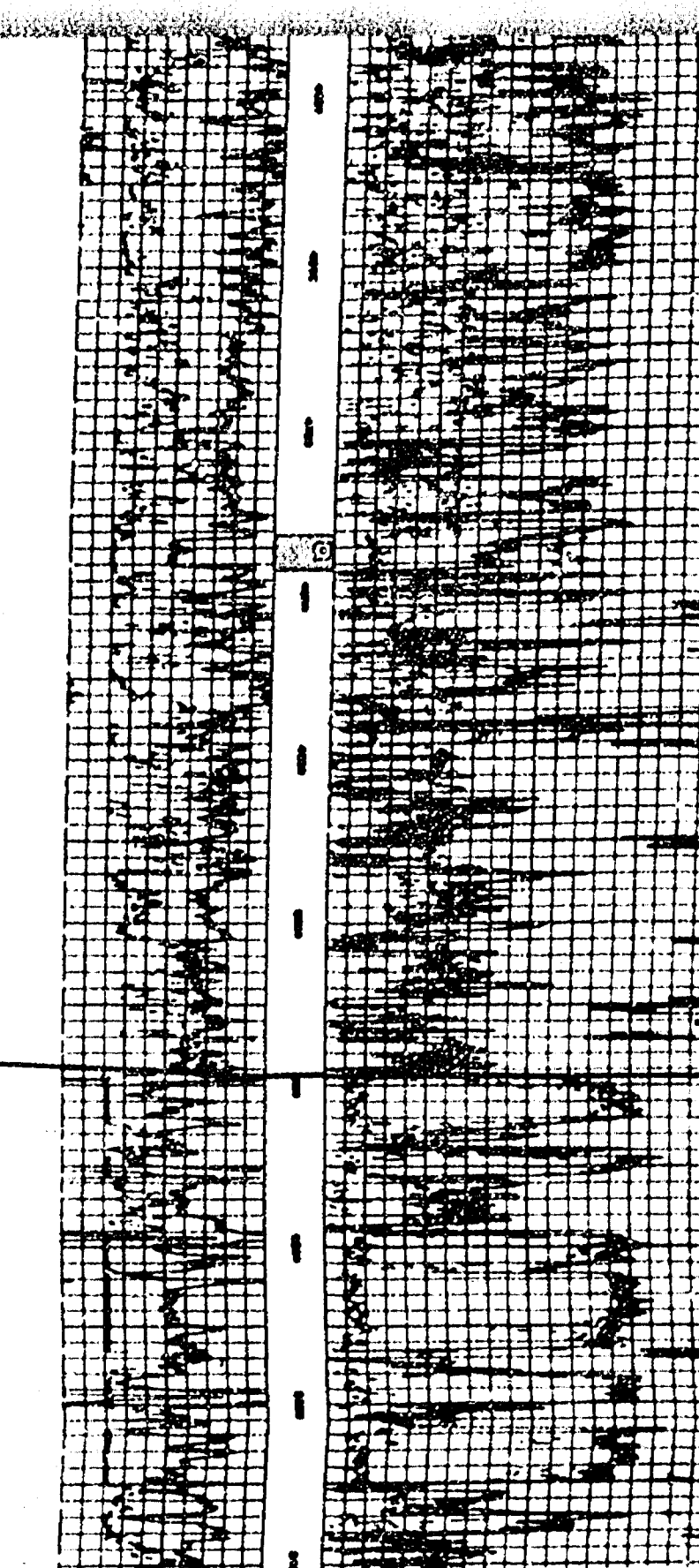
COMPLETED 4-25-80
TOTAL DEPTH 4276'
PERFORATE 3630-3662'
NO FLOW @ 0"± psig
ACIDIZE WITH 3000 GALS.
FLOW 321 MCFGPD @ 80"± psig
FRACTURE WITH 21,126 GALS.
FLOW 5800 MCFGPD @ 380"± psig



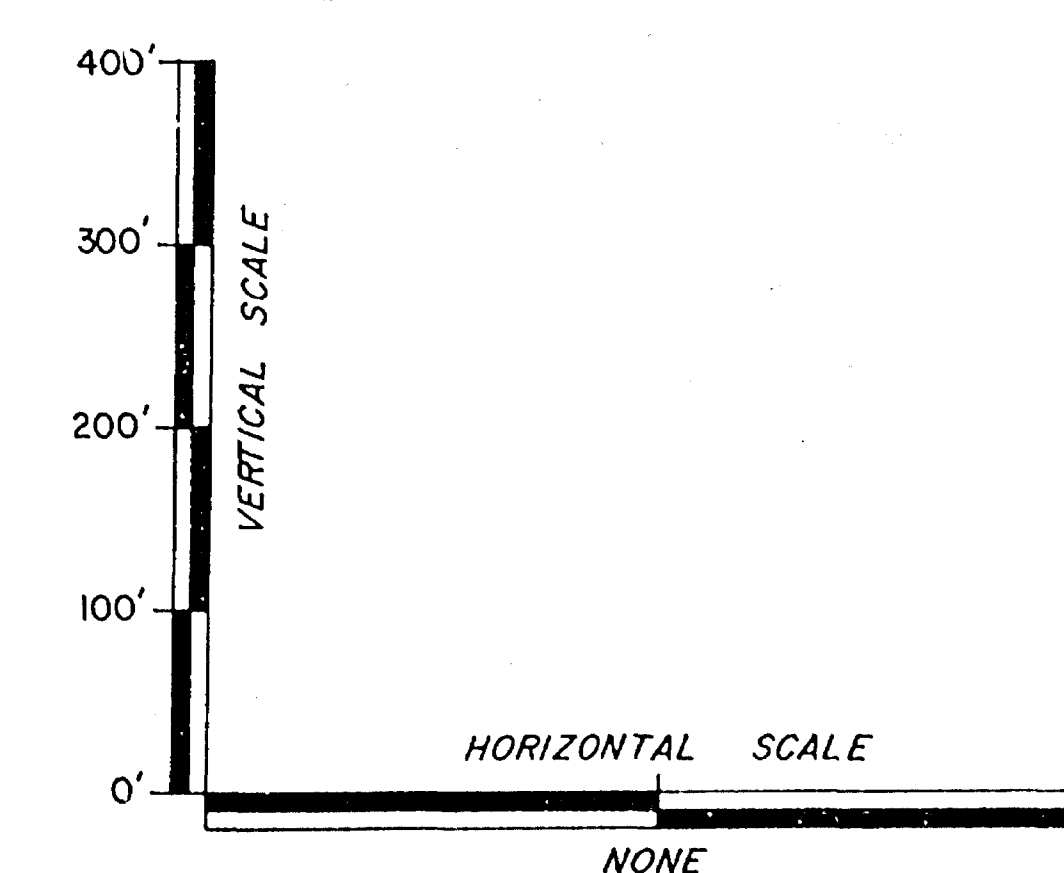
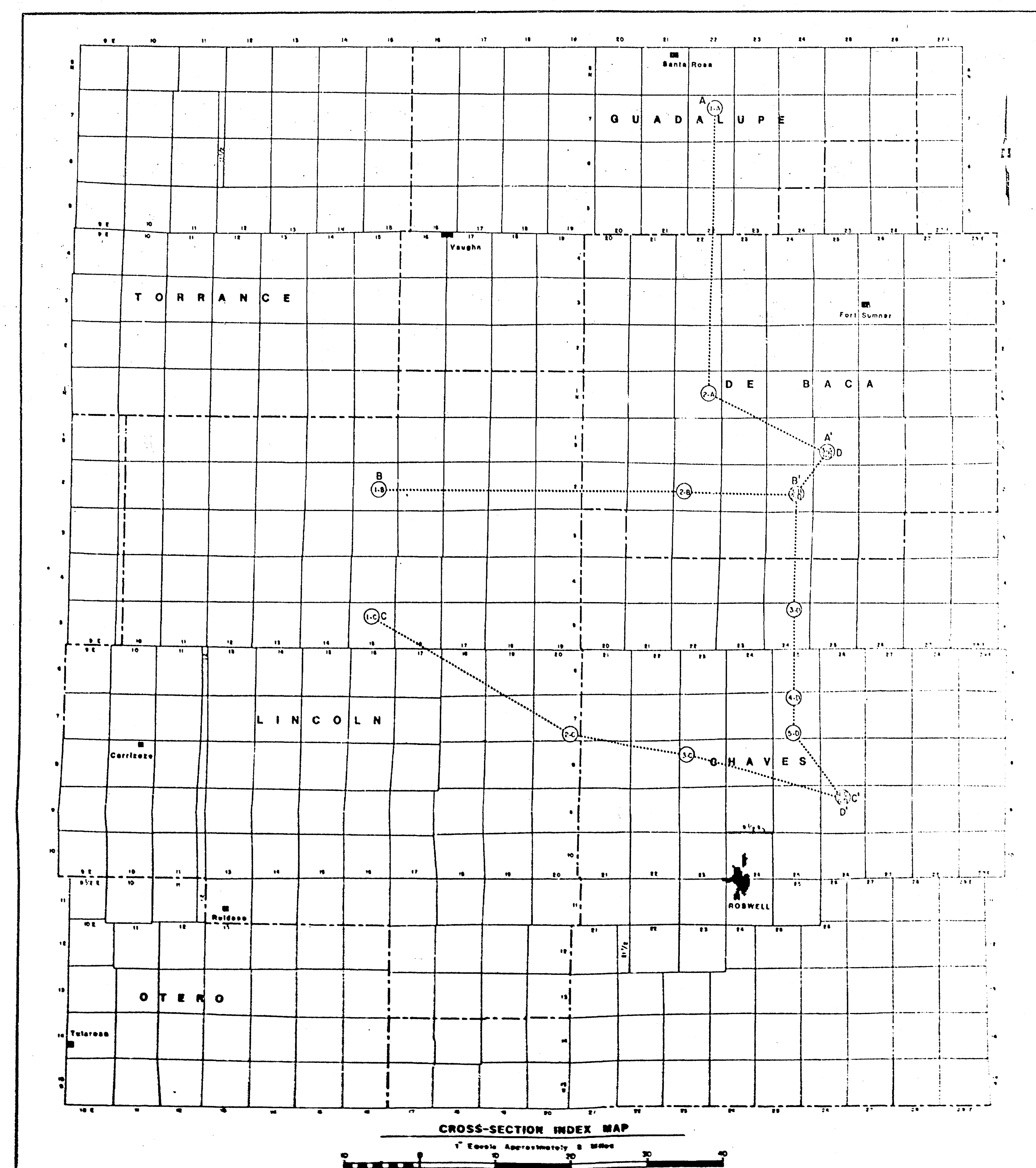
COMPLETED 7-28-80
TOTAL DEPTH 5102'
#1 PERFORATE 3918-3954'
SWB. WITH 2-3" FLARE
ACIDIZE WITH 4000 GALS.
FLOW 750 MCFGPD @ 120"± psig
FRACTURE WITH 40,000 GALS.
FLOW 2000 MCFGPD @ 625psig
#2 PERFORATE 3600-3656'
FLOW 250 MCFGPD @ 30"± psig
ACIDIZE WITH 4000 GALS.
FLOW 700 MCFGPD @ 100"± psig
FRACTURE WITH 40,000 GALS.
FLOW 2000 MCFGPD @ 375"± psig



COMPLETED 5-12-79
TOTAL DEPTH 4970'
#1 PERFORATE 3872-3880'
ACIDIZE WITH 1500 GALS.
FLOW 311 MCFGPD @ 200"± psig
FRACTURE STIMULATE-VOLUMN UNKNOWN
FLOW 700 MCFGPD
#2 PERFORATE 3548-3560'
ACIDIZE & FRACTURE STIMULATE
FLOW 2000 MCFGPD @ 313"± psig



COMPLETED 9-6-77 (RE-ENTRY)
TOTAL DEPTH 6371'
PERFORATE 4764-4782'
FLOW 521 MCFGPD @ 345"± psig
ACIDIZE WITH 2500 GALS.
FRACTURE WITH 15,600 GALS.
FLOW 2840 MCFGPD @ 440"± psig



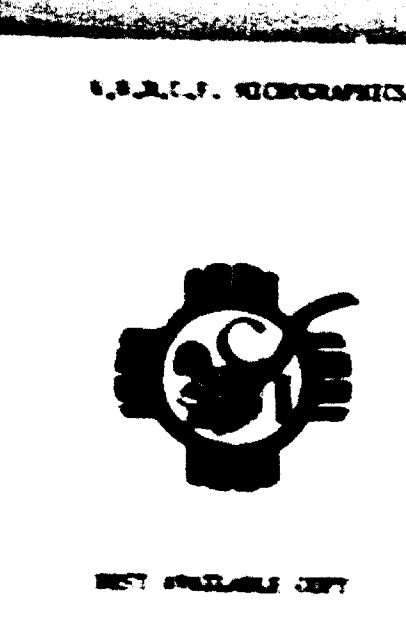
PECOS SLOPE
ABO TIGHT GAS PLAY
SOUTHEASTERN, NEW MEXICO

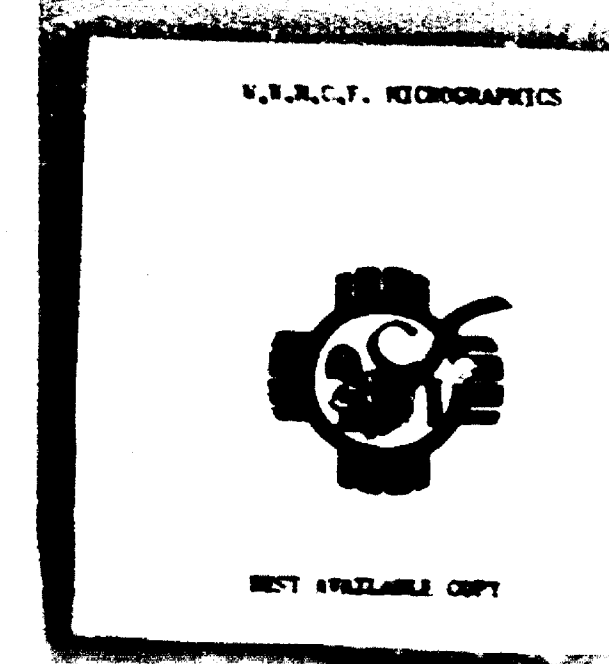
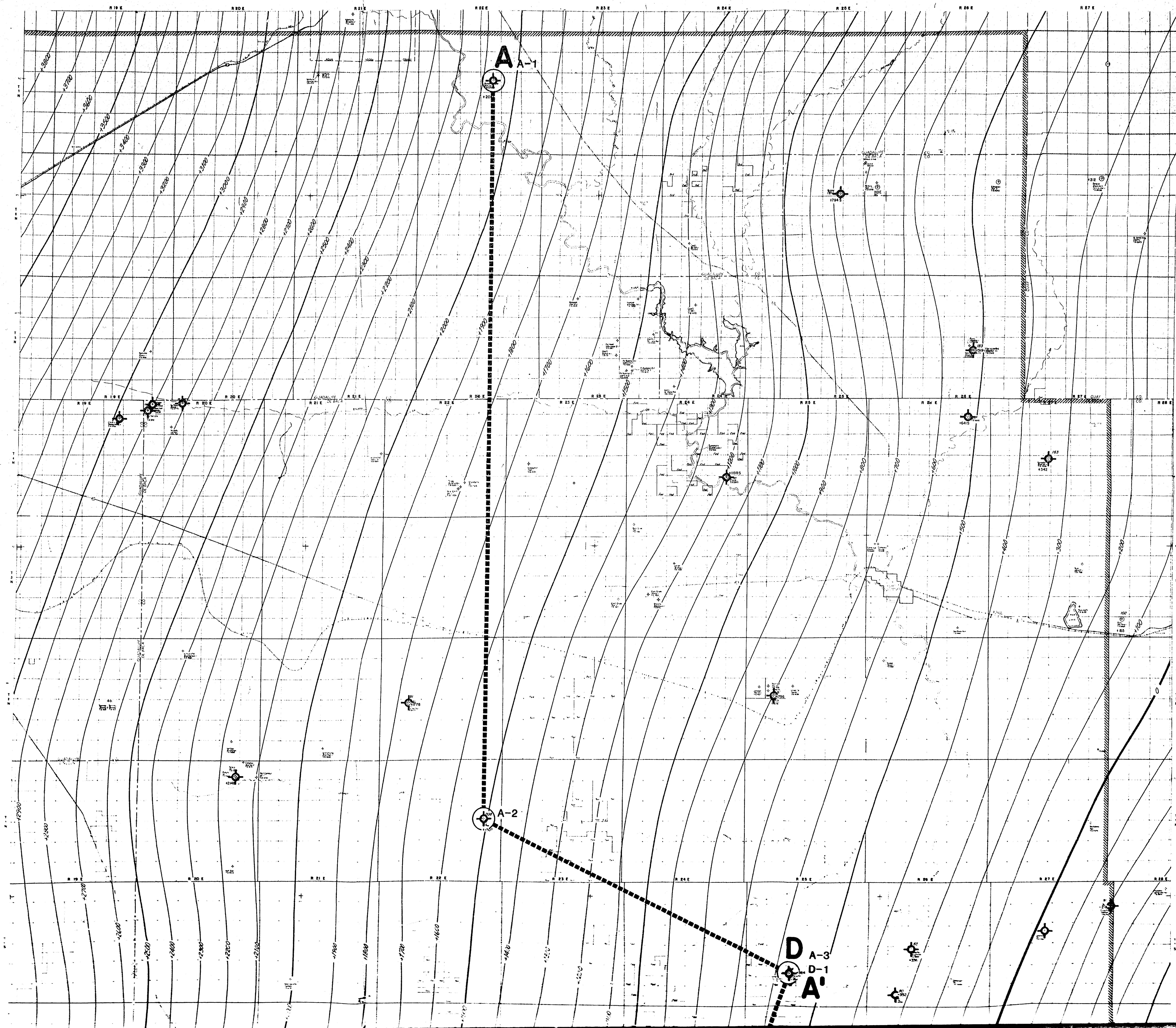
REGIONAL CROSS-SECTION

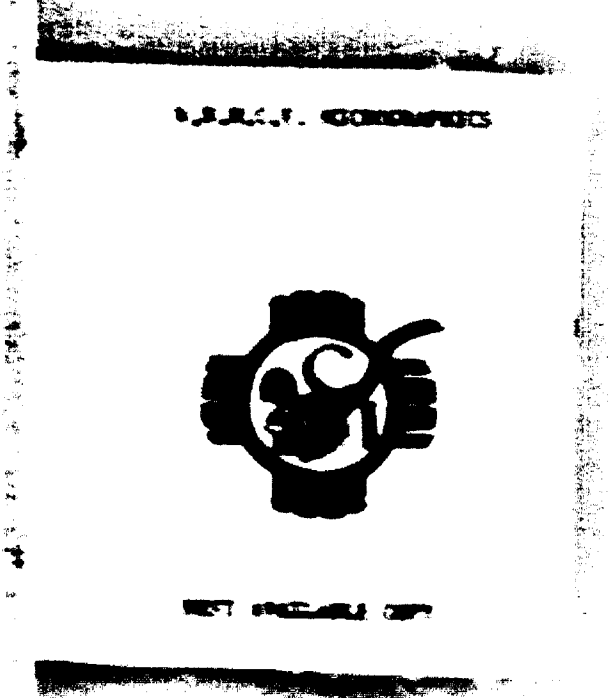
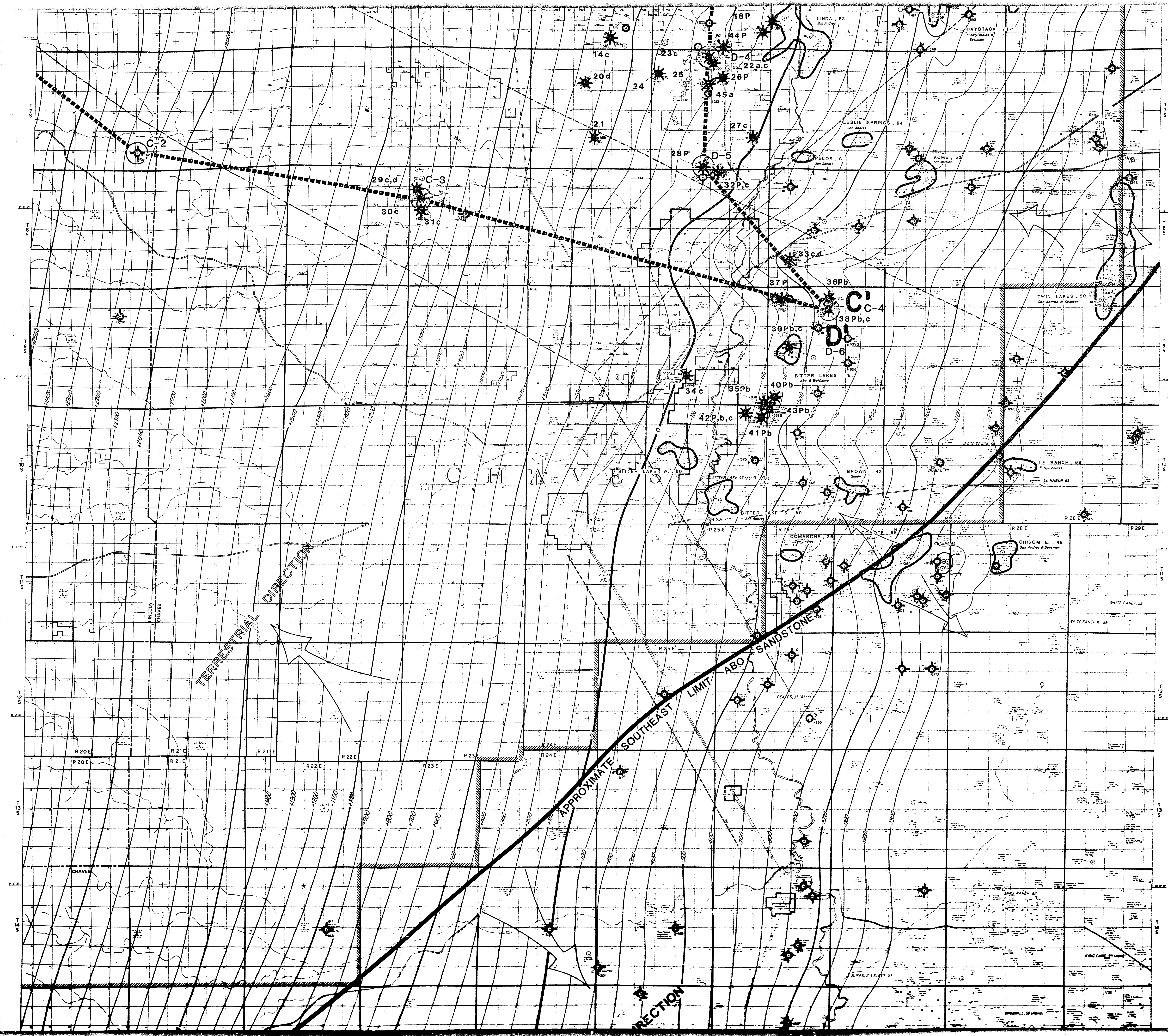
D - D'

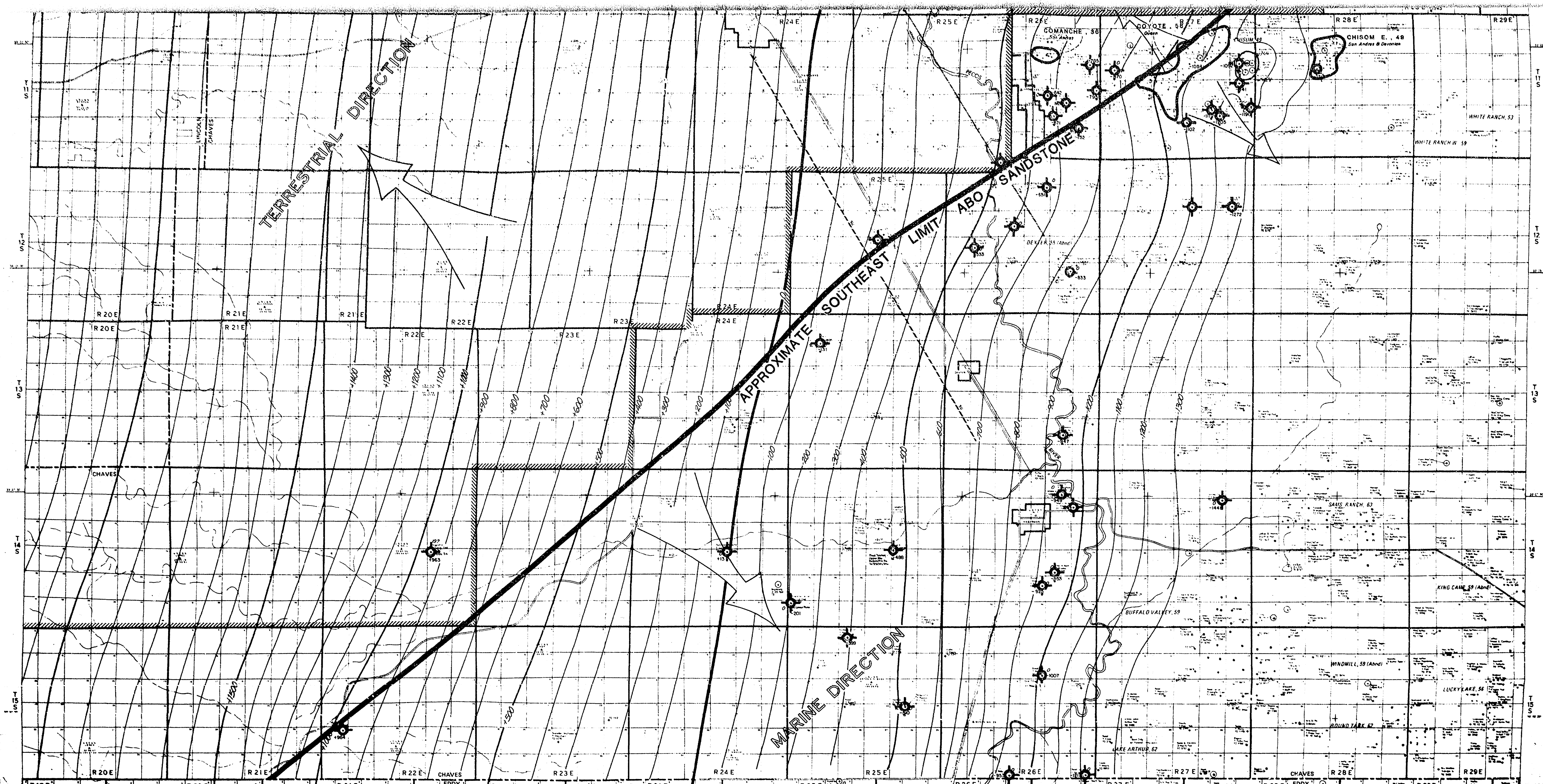
11 - 1980

EXHIBIT 9



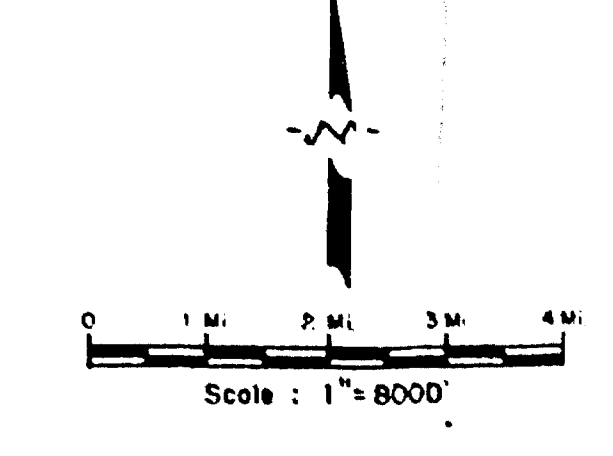






LEGEND :

PRODUCTION	GENERAL
* Abo Gas Wells	Outline of proposed Abo Tight Sand area
8 P a,b,c,d Fields, Production from other than Abo noted on map	Cross-section traces
8 Engineering Data Well Ref. P Well on Production a Core Data b Production Data c Flow Rate Data d RHP Building Data Prior to Simulation	



**PECOS SLOPE
ABO TIGHT GAS PLAY
SOUTHEASTERN, NEW MEXICO**

ABO STRUCTURE MAP

CONTOUR INTERVAL = 100'

SCALE 1"=8000'

EAST HALF

EXHIBIT #3

