

Case No.
6983

Large Exhibits



SCHEIDTBERGER		SONIC LOG	
COMPANY NAME ADDRESS CITY STATE ZIP COUNTRY PHONE FAX E-MAIL COMMENTS	COMPANY	NAME	NAME
	NAME	NAME	NAME
	ADDRESS	ADDRESS	ADDRESS
	CITY	CITY	CITY
	STATE	STATE	STATE
	ZIP	ZIP	ZIP
	COUNTRY	COUNTRY	COUNTRY
	PHONE	PHONE	PHONE
	FAX	FAX	FAX
	E-MAIL	E-MAIL	E-MAIL
LOG TITLE: PROJECT NAME DATE		PROJECT NO. DATE	
NAME ADDRESS CITY STATE ZIP COUNTRY PHONE FAX E-MAIL COMMENTS		NAME ADDRESS CITY STATE ZIP COUNTRY PHONE FAX E-MAIL COMMENTS	

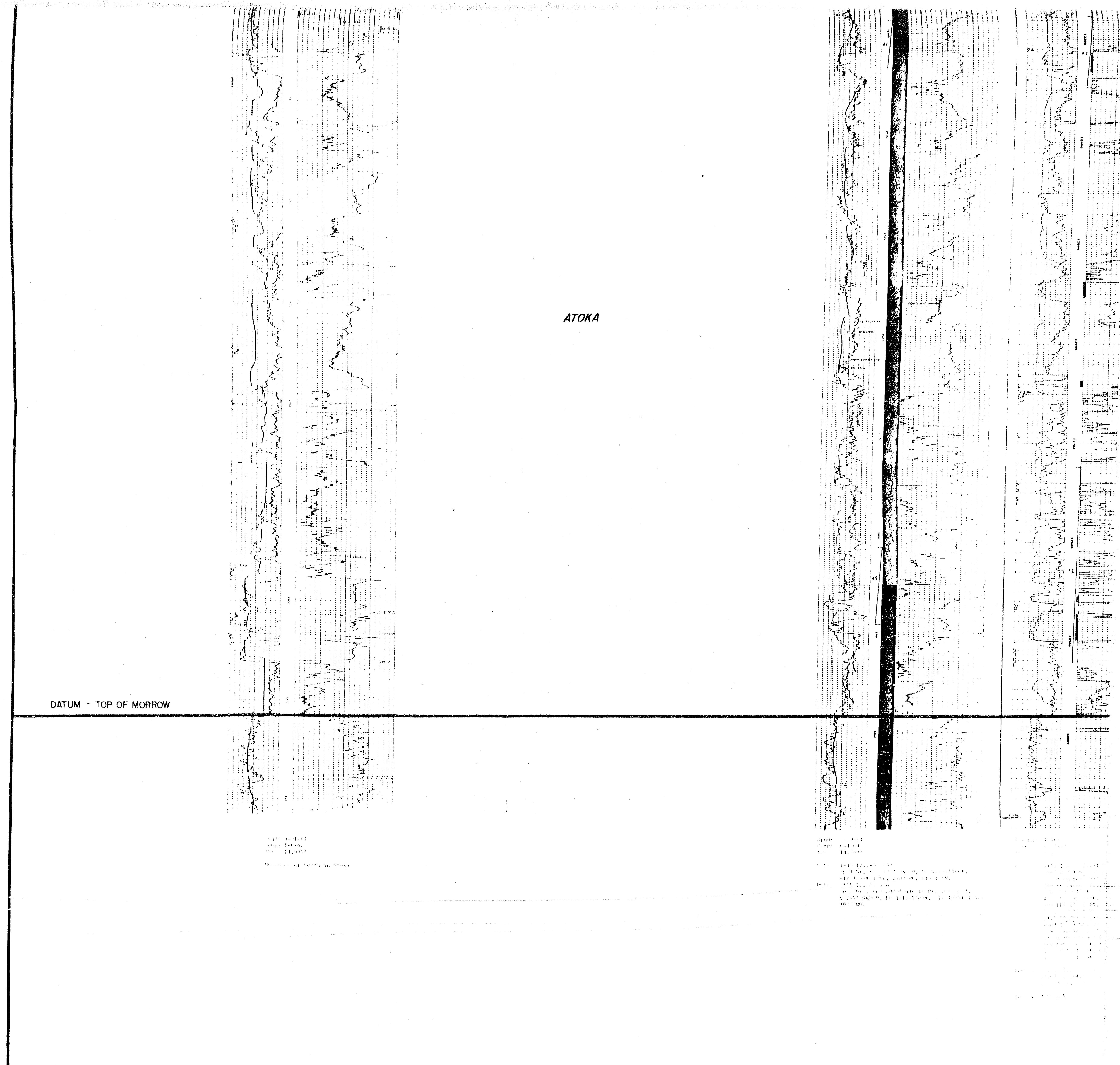
10-13-20

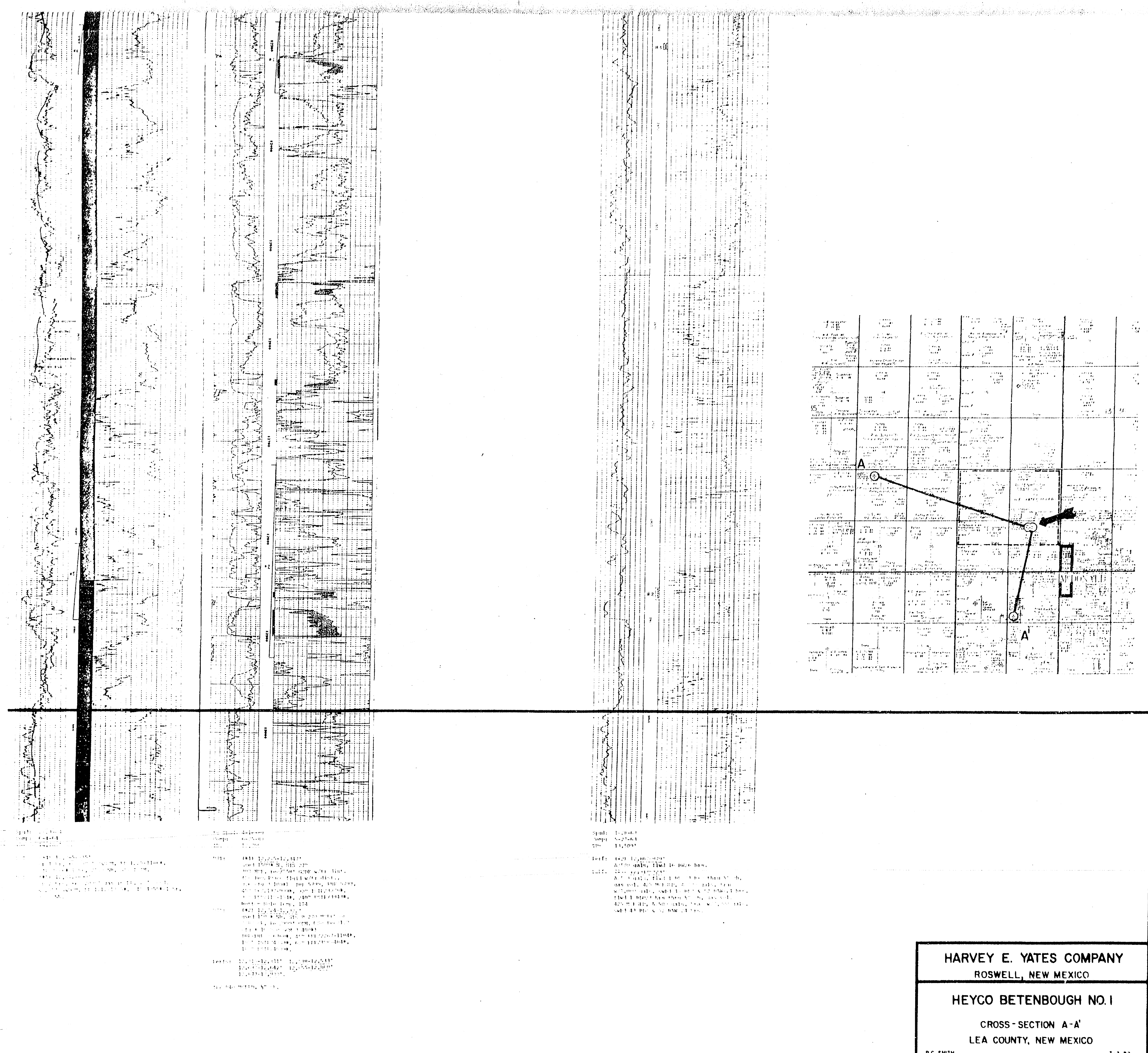
[illegible]

АТОКА

DATUM - TOP OF MORROW







Section A-A' is a geological cross-section showing the relationship between the various geological units in the area. The section is oriented N-S, with North at the top. The units shown are as follows:

1. **LEA COUNTY LIMESTONE** (Top layer, light gray, massive, with some chert nodules.)
 2. **LEA COUNTY SHALE** (Middle layer, dark gray, shaly, with some chert nodules.)
 3. **LEA COUNTY SANDSTONE** (Bottom layer, light gray, sandy, with some chert nodules.)

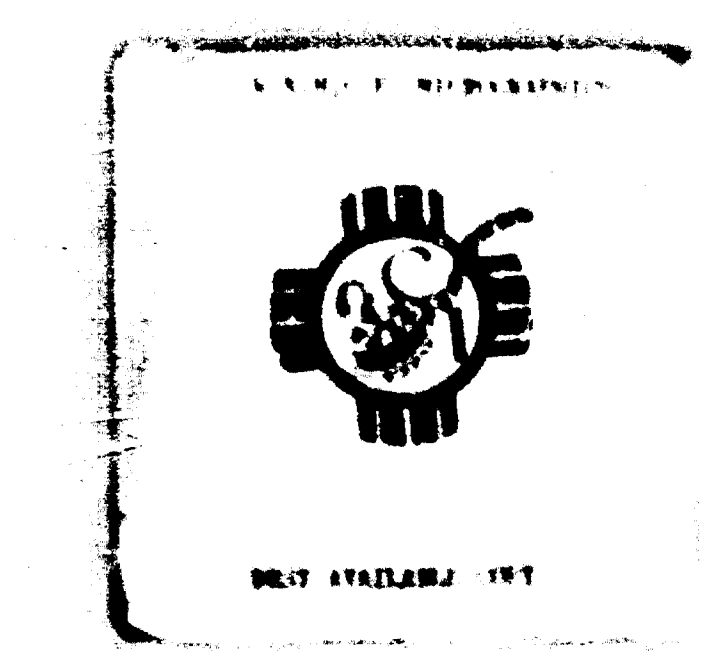
The section is a typical example of the Lea County formation, which is a well-known geological unit in the area. The section shows the characteristic layering and structure of the formation, and is a valuable record of the geological history of the area.

HARVEY E. YATES COMPANY
 ROSWELL, NEW MEXICO

HEYCO BETENBOUGH NO. 1

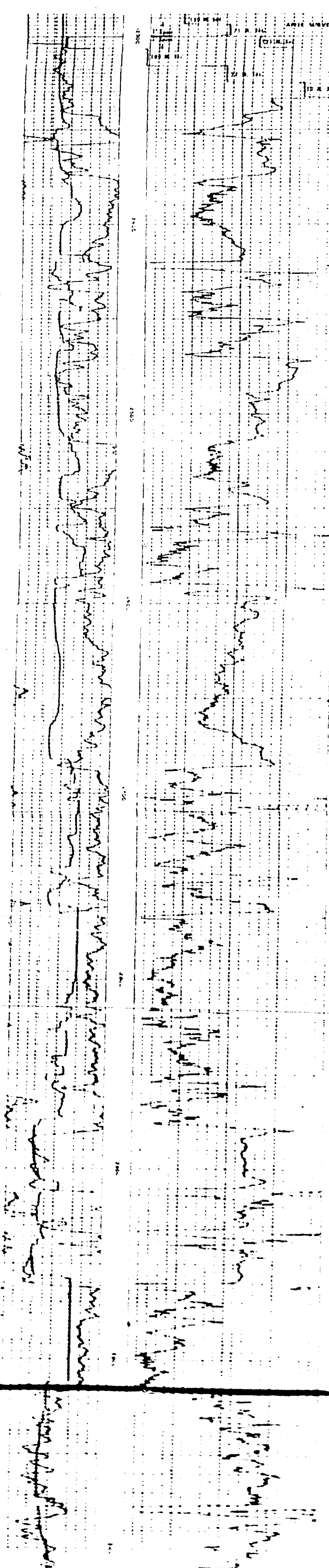
CROSS-SECTION A-A'
 LEA COUNTY, NEW MEXICO

REVISIONS
 NO. 1
 DATE 1-1-57
 BY J. H. YATES

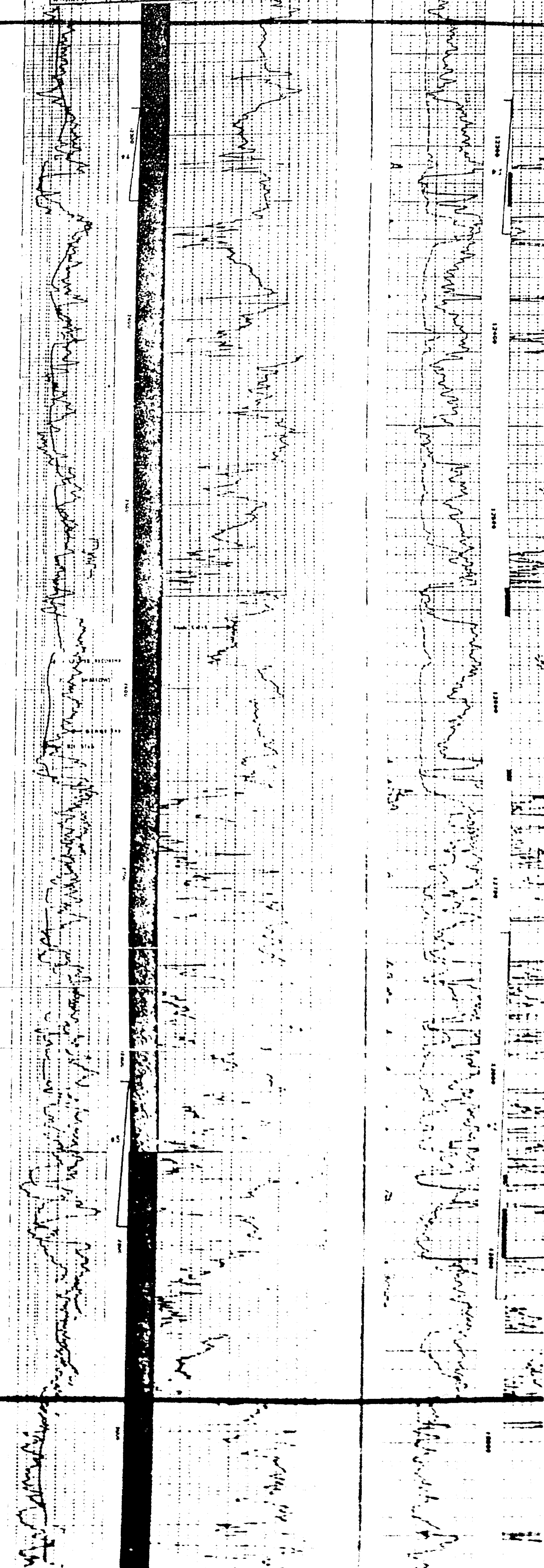


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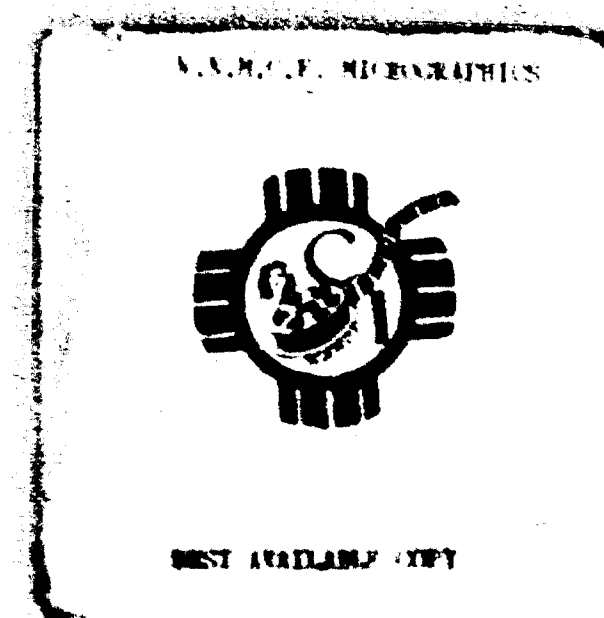
46-15-20

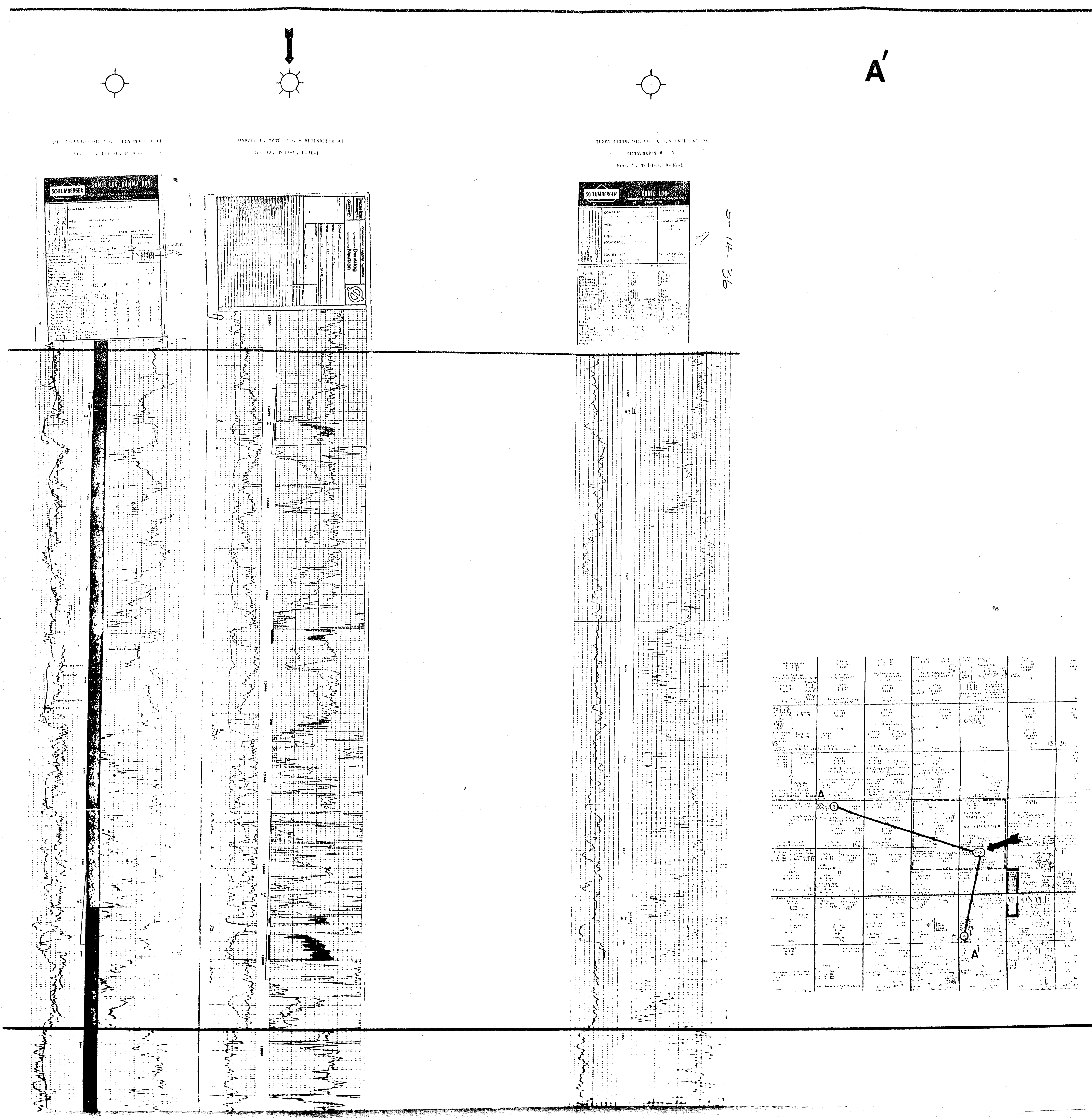
[illegible][illegible]

ATOKA



DATUM - TOP OF MORROW





SCHLUMBERGER

UNIT OF ZONE 10

DATE: 12/1/71

TIME: 10:00

WELL: 10-10-10

WELL NO: 10-10-10

WELL TYPE: 10-10-10

WELL DEPTH: 10-10-10

WELL LOCATION: 10-10-10

WELL STATUS: 10-10-10

WELL COMMENTS: 10-10-10

SCHLUMBERGER

UNIT OF ZONE 10

DATE: 12/1/71

TIME: 10:00

WELL: 10-10-10

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WELL COMMENTS: 10-10-10

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WELL TYPE: 10-10-10

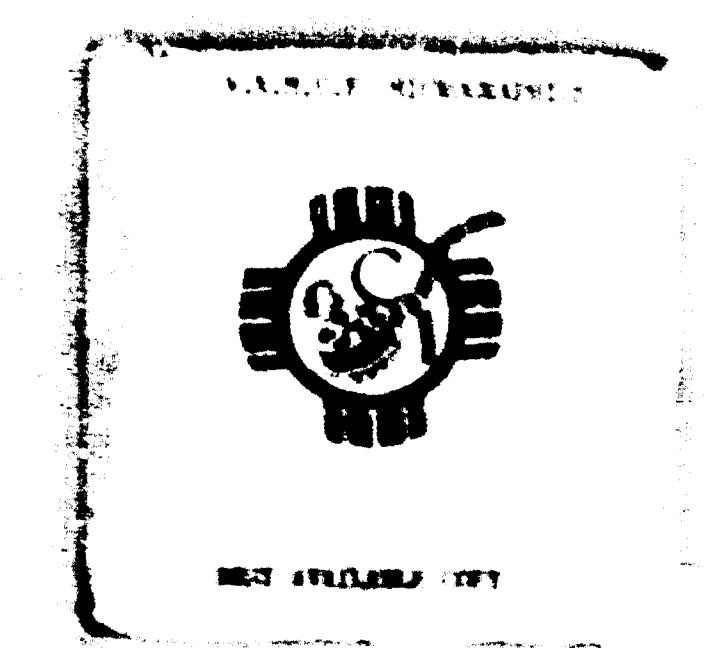
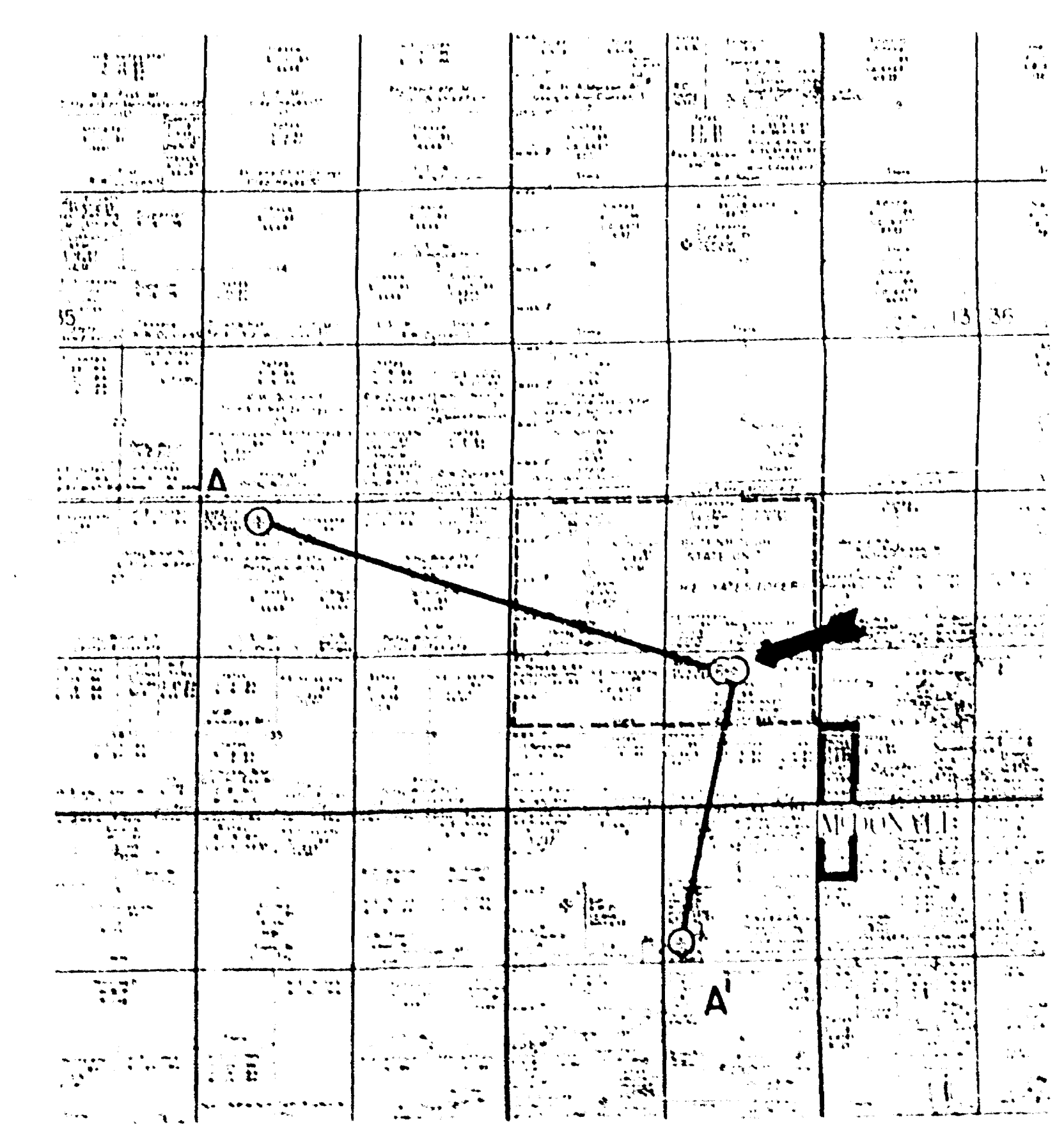
WELL DEPTH: 10-10-10

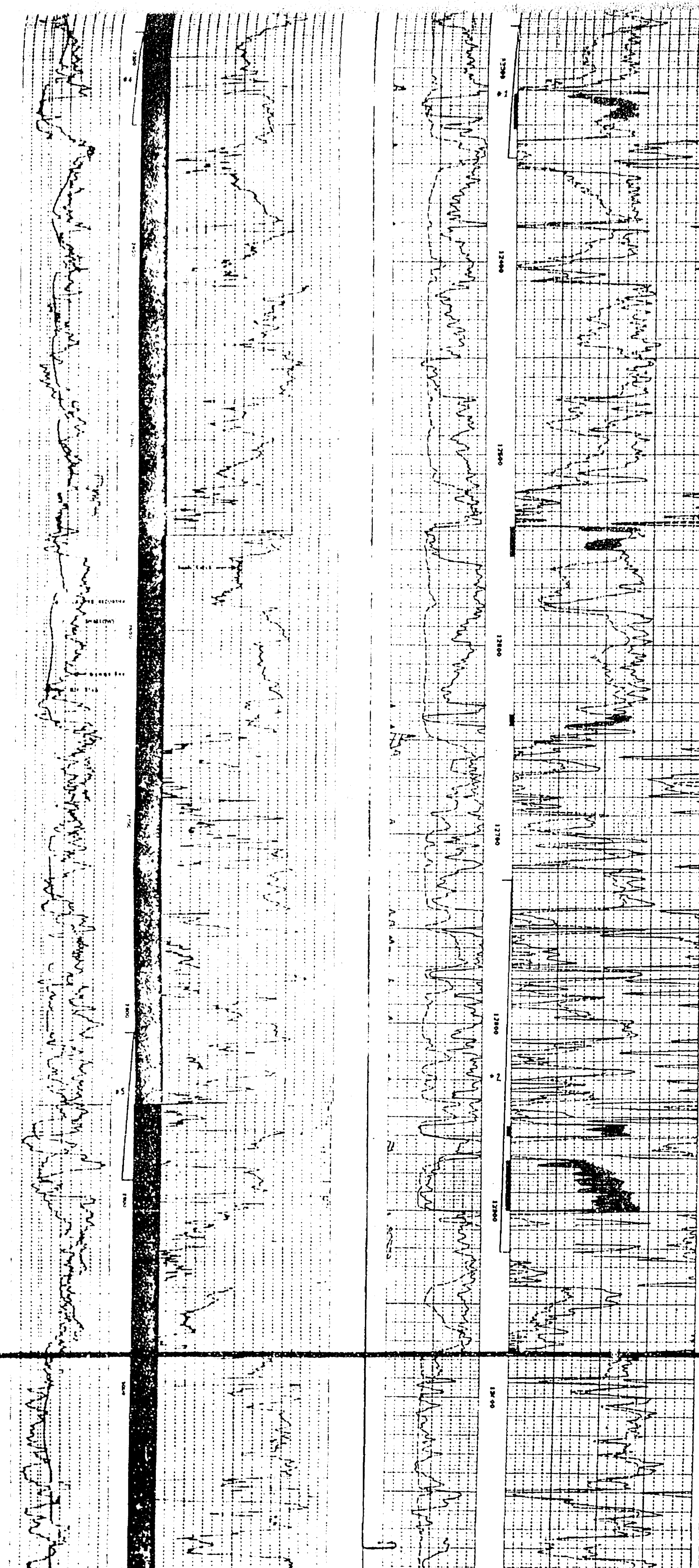
WELL LOCATION: 10-10-10

WELL STATUS: 10-10-10

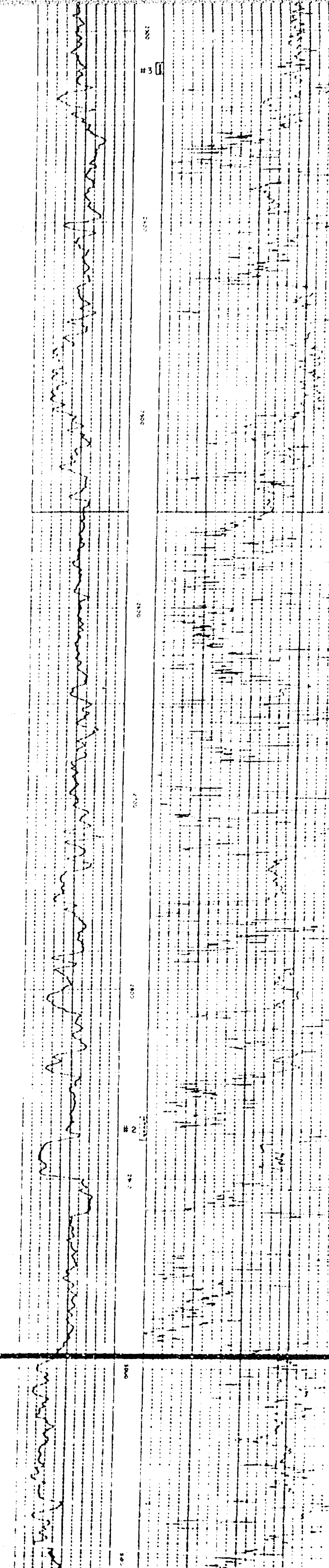
WELL COMMENTS: 10-10-10

5-14-36

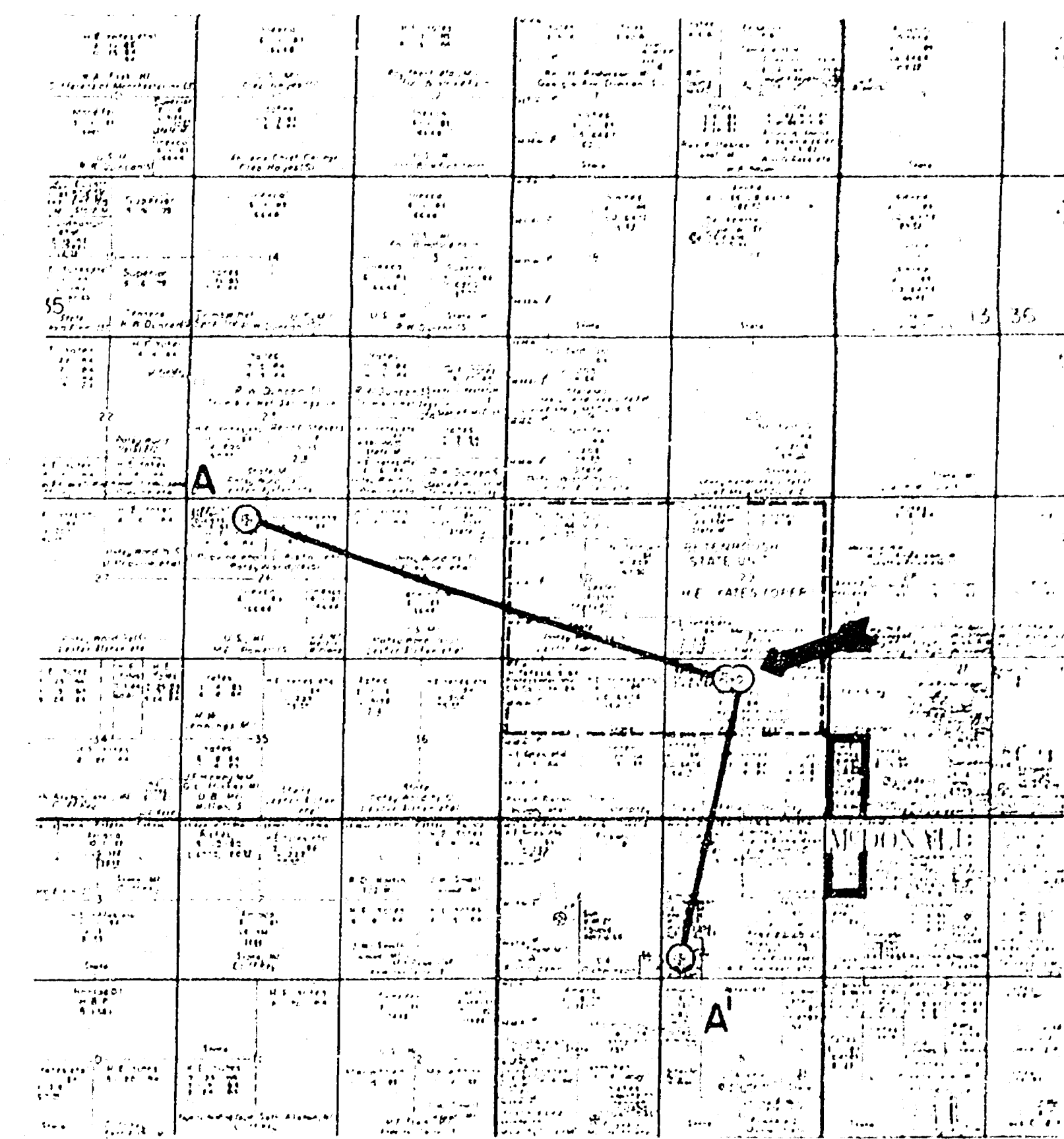




Section A-A' 12,400' to 12,450' 12,450' to 12,500' 12,500' to 12,550' 12,550' to 12,600' 12,600' to 12,650' 12,650' to 12,700' 12,700' to 12,750' 12,750' to 12,800' 12,800' to 12,850' 12,850' to 12,900' 12,900' to 12,950' 12,950' to 13,000' 13,000' to 13,050' 13,050' to 13,100' 13,100' to 13,150' 13,150' to 13,200' 13,200' to 13,250' 13,250' to 13,300' 13,300' to 13,350' 13,350' to 13,400' 13,400' to 13,450' 13,450' to 13,500' 13,500' to 13,550' 13,550' to 13,600' 13,600' to 13,650' 13,650' to 13,700' 13,700' to 13,750' 13,750' to 13,800' 13,800' to 13,850' 13,850' to 13,900' 13,900' to 13,950' 13,950' to 14,000' 14,000' to 14,050' 14,050' to 14,100' 14,100' to 14,150' 14,150' to 14,200' 14,200' to 14,250' 14,250' to 14,300' 14,300' to 14,350' 14,350' to 14,400' 14,400' to 14,450' 14,450' to 14,500' 14,500' to 14,550' 14,550' to 14,600' 14,600' to 14,650' 14,650' to 14,700' 14,700' to 14,750' 14,750' to 14,800' 14,800' to 14,850' 14,850' to 14,900' 14,900' to 14,950' 14,950' to 15,000'



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HARVEY E. YATES COMPANY
 ROSWELL, NEW MEXICO
 HEYCO BETENBOUGH NO. 1
 CROSS-SECTION A-A'
 LEA COUNTY, NEW MEXICO

BEFORE EXAMINER
 ON BEHALF OF EXAMINER
 DATE
 SIGNATURE
 ADDRESS



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[illegible][illegible][illegible][illegible][illegible]

АТОКА

DATUM - TOP OF MORROW



ATOKA

DATUM - TOP OF MORROW

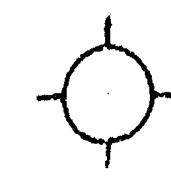
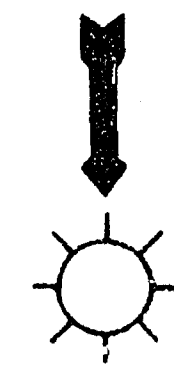
Spud: 9-28-61
Comp: 1-4-62
Hr: 16,931'
No core or tests in Atoka

Spud: 7-29-64
Comp: 6-4-64
Hr: 14,783'
TEST: 12,285-12,315'
op 1 hr. 100' 400' 600' 800' 1000' 1200' 1400'
12,285-12,315' 12,315-12,345' 12,345-12,375' 12,375-12,405' 12,405-12,435' 12,435-12,465' 12,465-12,495' 12,495-12,525' 12,525-12,555' 12,555-12,585' 12,585-12,615' 12,615-12,645' 12,645-12,675' 12,675-12,705' 12,705-12,735' 12,735-12,765' 12,765-12,795' 12,795-12,825' 12,825-12,855' 12,855-12,885' 12,885-12,915' 12,915-12,945' 12,945-12,975' 12,975-13,005' 13,005-13,035' 13,035-13,065' 13,065-13,095' 13,095-13,125' 13,125-13,155' 13,155-13,185' 13,185-13,215' 13,215-13,245' 13,245-13,275' 13,275-13,305' 13,305-13,335' 13,335-13,365' 13,365-13,395' 13,395-13,425' 13,425-13,455' 13,455-13,485' 13,485-13,515' 13,515-13,545' 13,545-13,575' 13,575-13,605' 13,605-13,635' 13,635-13,665' 13,665-13,695' 13,695-13,725' 13,725-13,755' 13,755-13,785' 13,785-13,815' 13,815-13,845' 13,845-13,875' 13,875-13,905' 13,905-13,935' 13,935-13,965' 13,965-13,995' 14,000'

Spud: 8-18-65
Comp: 6-4-65
Hr: 15,783'
TEST: 12,285-12,315'
op 1 hr. 100' 400' 600' 800' 1000' 1200' 1400'
12,285-12,315' 12,315-12,345' 12,345-12,375' 12,375-12,405' 12,405-12,435' 12,435-12,465' 12,465-12,495' 12,495-12,525' 12,525-12,555' 12,555-12,585' 12,585-12,615' 12,615-12,645' 12,645-12,675' 12,675-12,705' 12,705-12,735' 12,735-12,765' 12,765-12,795' 12,795-12,825' 12,825-12,855' 12,855-12,885' 12,885-12,915' 12,915-12,945' 12,945-12,975' 12,975-13,005' 13,005-13,035' 13,035-13,065' 13,065-13,095' 13,095-13,125' 13,125-13,155' 13,155-13,185' 13,185-13,215' 13,215-13,245' 13,245-13,275' 13,275-13,305' 13,305-13,335' 13,335-13,365' 13,365-13,395' 13,395-13,425' 13,425-13,455' 13,455-13,485' 13,485-13,515' 13,515-13,545' 13,545-13,575' 13,575-13,605' 13,605-13,635' 13,635-13,665' 13,665-13,695' 13,695-13,725' 13,725-13,755' 13,755-13,785' 13,785-13,815' 13,815-13,845' 13,845-13,875' 13,875-13,905' 13,905-13,935' 13,935-13,965' 13,965-13,995' 14,000'

TEST: 12,285-12,315' 12,315-12,345' 12,345-12,375' 12,375-12,405' 12,405-12,435' 12,435-12,465' 12,465-12,495' 12,495-12,525' 12,525-12,555' 12,555-12,585' 12,585-12,615' 12,615-12,645' 12,645-12,675' 12,675-12,705' 12,705-12,735' 12,735-12,765' 12,765-12,795' 12,795-12,825' 12,825-12,855' 12,855-12,885' 12,885-12,915' 12,915-12,945' 12,945-12,975' 12,975-13,005' 13,005-13,035' 13,035-13,065' 13,065-13,095' 13,095-13,125' 13,125-13,155' 13,155-13,185' 13,185-13,215' 13,215-13,245' 13,245-13,275' 13,275-13,305' 13,305-13,335' 13,335-13,365' 13,365-13,395' 13,395-13,425' 13,425-13,455' 13,455-13,485' 13,485-13,515' 13,515-13,545' 13,545-13,575' 13,575-13,605' 13,605-13,635' 13,635-13,665' 13,665-13,695' 13,695-13,725' 13,725-13,755' 13,755-13,785' 13,785-13,815' 13,815-13,845' 13,845-13,875' 13,875-13,905' 13,905-13,935' 13,935-13,965' 13,965-13,995' 14,000'





A'

HARVEY F. YATES CO. - DUTCHMAN #1
Spec. 22, T-13-S, B-16-E

TEXAS DRILLING CO. - DUTCHMAN #1
RICHMOND # 1-S
Spec. 5, T-13-S, B-16-E

Time	Depth	Temperature	Pressure	Flow	Other
10:00	100	100	100	100	100
10:05	105	105	105	105	105
10:10	110	110	110	110	110
10:15	115	115	115	115	115
10:20	120	120	120	120	120
10:25	125	125	125	125	125
10:30	130	130	130	130	130
10:35	135	135	135	135	135
10:40	140	140	140	140	140
10:45	145	145	145	145	145
10:50	150	150	150	150	150
10:55	155	155	155	155	155
11:00	160	160	160	160	160
11:05	165	165	165	165	165
11:10	170	170	170	170	170
11:15	175	175	175	175	175
11:20	180	180	180	180	180
11:25	185	185	185	185	185
11:30	190	190	190	190	190
11:35	195	195	195	195	195
11:40	200	200	200	200	200
11:45	205	205	205	205	205
11:50	210	210	210	210	210
11:55	215	215	215	215	215
12:00	220	220	220	220	220

Time	Depth	Temperature	Pressure	Flow	Other
10:00	100	100	100	100	100
10:05	105	105	105	105	105
10:10	110	110	110	110	110
10:15	115	115	115	115	115
10:20	120	120	120	120	120
10:25	125	125	125	125	125
10:30	130	130	130	130	130
10:35	135	135	135	135	135
10:40	140	140	140	140	140
10:45	145	145	145	145	145
10:50	150	150	150	150	150
10:55	155	155	155	155	155
11:00	160	160	160	160	160
11:05	165	165	165	165	165
11:10	170	170	170	170	170
11:15	175	175	175	175	175
11:20	180	180	180	180	180
11:25	185	185	185	185	185
11:30	190	190	190	190	190
11:35	195	195	195	195	195
11:40	200	200	200	200	200
11:45	205	205	205	205	205
11:50	210	210	210	210	210
11:55	215	215	215	215	215
12:00	220	220	220	220	220

5-14-36

