

CASE 1145: Wilshire Oil Co. application for
oil-oil dual completion in D-K Abo & D-K
Drinkard Pools, Federal Well #12-30.

Case No.

1145

Application, Transcript,
Small Exhibits, Etc.

BEFORE THE
Oil Conservation Commission
SANTA FE, NEW MEXICO

IN THE MATTER OF:

CASE NO. 1145

TRANSCRIPT OF PROCEEDINGS

DEARNLEY-MEIER AND ASSOCIATES
COURT REPORTERS
605 SIMMS BUILDING
TELEPHONE 3-6691
ALBUQUERQUE, NEW MEXICO

IN THE MATTER OF:

Application of Wilshire Oil Company of Texas
for an order authorizing an oil-oil dual com-
pletion in the D-K Abo and D-K Drinkard Pools
in Lea County, New Mexico, in compliance with
Rule 112-A (1) of the New Mexico Oil Conserva-
tion Commission Rules and Regulations. Appli-
cant, in the above-styled cause, proposes to
dualy complete, by means of parallel tubing
strings, its Federal Well No. 12-30, located
in the SW/4 NW/4 of Section 30, Township 20
South, Range 30 East, Lea County, New Mexico,
to produce oil from both the D-K Abo and the
D-K Drinkard Pools.

Case No.
1145

PERORE: Mr. A. L. Porter
Mr. E. S. (Johnny) Walker

TRANSCRIPT OF HEARING

MR. PORTER: We will consider next the Case 1145.

MR. GURLEY: Application of Wilshire Oil Company of Texas
for an order authorizing an oil-oil dual completion in the D-K Abo
and D-K Drinkard Pools in Lea County, New Mexico, in compliance
with Rule 112-A (b) of the New Mexico Oil Conservation Commission
Rules and Regulations.

MR. CAMPBELL: Jack H. Campbell, Campbell and Russell, Fort Hall,
New Mexico, appearing on behalf of the applicant. Your witness, Mr.
Sindel, to be sworn.

A. E. SINDEL

Having first been duly sworn, testified as follows:

DEARNEY-MEIER AND ASSOCIATES

DEARNEY-MEIER AND ASSOCIATES
STENOGRAPHIC REPORTERS
ALBUQUERQUE, NEW MEXICO
TELEPHONE 3-6691

BY MR. CAMPBELL:

Q Will you state your name, please?

A A. T. Sindel.

Q By whom are you employed and what capacity?

A Wilshire Oil Company of Texas as Petroleum Engineer.

Q Where do you live? A Midland.

Q Will you give the Commission a brief statement of your educational and professional background?

A Graduate from the Missouri School of Mines and after the war was employed by Standard of Texas as an engineer for two years, Ray Petroleum as Division Engineer for four years, Ashland Oil, two years, and Wilshire two and a half.

Q Are you qualified to testify in your professional capacity before the Texas Railroad Commission and the Oklahoma Corporation Commission?

A Yes, sir.

Q Mr. Sindel, are you acquainted with the application of Wilshire Oil Company of Texas in Case No. 1145?

A Yes, sir.

(Marked Wilshire Oil Company's Exhibits Nos. 1, 2, 3 and 4, for identification.)

BY MR. CAMPBELL: Give the qualifications of this witness acceptable to the Commission?

BY MR. CAMPBELL: What are.

Q What is the primary point Wilshire seeks in this application?

A To have the

Commission find that the Federal 12-37 Well in the

has a greater production than the two

... into the ... and ...

Q I hand you what has been worked No. 2 and ask you to ...

A That is a plot of the area showing the outline of the ... field ... It shows the locations of the ... wells thereon.

Q There are only four wells now drilled and producing in the field?

A Yes, sir.

Q What other operators are operating wells in this field?

A They are ...

Q The ... Oil Company of Texas are the only ones operating in the field?

A Yes, sir.

Q ... identified as Wilshire Exhibit No. ...

... Oil Company signed by ... your authorization as ... proceed with your ... of course to the ap- ...

... Exhibit 2 ...

... history of ...

Q Now, did it go down to the bottom of the well?

A This well was completed in April of 1954 and it was drilled to a total depth of 9500 into the granite and it plugged back to the Alco formation and there complete and showed a rapid decline. It was after a month it declined down to less than thirty barrels a day and it has fracted and showed a slight increase, but steadily decreased after that until December of 1955 it was down to some twenty barrels a day.

At that time we cut a plug between the Brinkard and the Alco and came up and perforated the Brinkard and produced it and it is now producing about twenty barrels a day. It has declined from an original potential of 142 barrels in December to around twenty barrels a day.

Q In your opinion if the well is fully completed, will both zones flow?

A Yes, sir.

Q Based upon your knowledge of the history of this well and the present productive capacity, is it your opinion that Wilshire Oil Company of Texas could not economically drill a twin well to the Alco formation?

A That is correct.

Q Is it your opinion if this dual completion is not permitted, the oil which might otherwise would be recovered will not be recovered?

A That is right.

Q Now, Alco is now identified as Brinkard, Wilshire Oil Company, is that not correct?

Q Now, when you plugged the back of the Abo, did you know the gravity of the Abo?
A Yes, sir. I know the gravity of the Abo, and I know the gravity of the Grindard.
Q And the gravity of the Abo is 37.5, is it not?
A Yes, sir.

Q I am anxious to know how you plugged the well back.
A The only Baker Model I have the perforation in the Abo and the fact of liquid in the Abo. To right interest you, the gravity in the Abo is 37.5 and the Grindard had a gravity of 42 percent.

Q What is the gravity of the Grindard?

A 42.

Q Now, the Abo is 37.5, is it not?

A 37.5.

Q What were the GORs?

A The Abo, at the time of plugged back was 40 to 1; the Grindard is now producing 15,000 to 1. This field, if I may mention, was 10,000 to 1 ratio.

Q Was the Abo formation flowing at the time you plugged it back?

A Just barely, yes.

Q Do you remember what the flowing pressure was at that time?

A I don't have it readily available, I am sorry.

Q What I am wondering is, is that the bottomhole pressure in the Abo formation?

A Yes, sir. The bottomhole pressure of the Abo at the time of plugged back was 3000; the bottomhole pressure of the Grindard was 3000.

Q. Would you give all the evidence that you have heard of law,
will it be possible to give the whole of the evidence?

A. Yes, sir.

MR. WATSON: I believe that's all.

MR. PORTER: Anyone else have questions? If not, no
questions, the witness may be excused.

(Witness removed.)

MR. PORTER: I give leave a statement in this case.

MR. CHAMBERS: That's all, is that?

MR. PORTER: The case will be taken under advisement.

CERTIFICATE

I, ADA DEARNLEY, Court Reporter, do hereby certify that the
foregoing and attached transcript of proceedings in the matter of
Case No. 11145 were taken by me on September 13, 1956; that the
same is a true and correct record to the best of my knowledge,
skill and ability.

Ada Dearnley
Reporter

WILSHIRE OIL COMPANY OF TEXAS
MAIN OFFICE 200 LEGGETT BUILDING MIDLAND, TEXAS

July 19, 1956

ETC. to Rule 112(A)

Regular
Hq.
On Sept. 13th

Mr. A. L. Porter
Supervisor & Proration Manager
District I
New Mexico Oil Conservation Commission
P. C. Box 2045
Hobbs, New Mexico

Real copy
to Mr. Porter
8/21/56

Dear Mr. Porter:

Please find enclosed original and two copies of Application for an order authorizing the dual completion of our Federal 12-30 well in Lea County, New Mexico.

We respectfully request that you set this application for hearing at the earliest possible date.

Very truly yours,

WILSHIRE OIL COMPANY OF TEXAS

Clyde N. Stone
Clyde N. Stone

CNS:bw

Enclosures - 3

Via Air Mail - Certified
Return Receipt Requested

OIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

October 9, 1956

C
O
P
Y

Mr. Jack M. Campbell
Campbell & Russell
P.O. Box 721
Roswell, New Mexico

Dear Sir:

On behalf of your client, Wilshire Oil Company of Texas, we enclose two copies of Order R-894 issued October 8, 1956, by the Oil Conservation Commission in Case 1145, which was heard on September 13th.

Very truly yours,

A. L. Porter, Jr.
Secretary - Director

brp
Encls.

REPORT THE OIL CONSERVATION COMMISSION
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
COMMISSION OF THE STATE OF NEW
MEXICO FOR THE PURPOSE OF
CONSIDERING:

CASE NO. 1145
Order No. R-894

THE APPLICATION OF WILSHIRE OIL
COMPANY OF TEXAS FOR AN ORDER
AUTHORIZING THE DUAL COMPLETION
OF ITS FEDERAL WELL NO. 12-30 IN
THE DK-ABO AND THE D-K DRINKARD
POOLS IN THE SW/4 NW/4 OF SECTION
30, TOWNSHIP 20 SOUTH, RANGE 39
EAST, NMPM, LEA COUNTY, NEW MEXICO,
SAID WELL TO PRODUCE OIL FROM BOTH
THE D-K ABO AND THE D-K DRINKARD
POOLS.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m.
on September 13, 1956, at Santa Fe, New Mexico, before the Oil
Conservation Commission of New Mexico, hereinafter referred to
as the "Commission."

NOW, on this 8th day of October, 1956, the Commission,
a quorum being present, having considered the testimony presented
and the exhibits received at said hearing and being fully advised
in the premises,

FINDS:

(1) That due public notice having been given as
required by law, the Commission has jurisdiction of this cause
and the subject matter thereof.

(2) That the applicant, Wilshire Oil Company of Texas
is the owner and operator of its Federal No. 12-30 Well, located
in the SW/4 NW/4 of Section 30, Township 20 South, Range 39 East,
NMPM, Lea County, New Mexico, and presently producing from the
Drinkard formation.

(3) That applicant proposes to produce oil from the
DK-Abo Pool and oil from the DK-Drinkard Pool through separate
and parallel strings of tubing and by perforating the casing
from 7248 feet to 7418 feet in the Abo formation and from 6945
feet to 7100 feet in the Drinkard formation, separating the aforesaid
zones by the installation of a permanent retainer-type production
packer at 7100 feet.

(4) That the mechanics of the proposed dual completion as outlined by applicant are feasible and in good practice.

(5) That the approval of the application is in the best interests of conservation in that it would be economically impractical to develop each pool through separate wells.

IT IS THEREFORE ORDERED:

That the applicant herein, Wilshire Oil Company of Texas, be and is hereby authorized to dually complete its Federal No. 12-30 Well located in the SW/4 NW/4 Section 30, Township 20 South, Range 39 East, Lea County, New Mexico, in such a manner as to permit the production of oil from the Abo formation of the D-K Abo Pool and oil from the Drinkard formation of the D-K Drinkard Pool by properly perforating the casing and by producing each of the aforesaid zones through separate and parallel strings of tubing, and by the installation of a suitable packer, and with the installation of adequate surface equipment to maintain complete separation of the two zones of production.

PROVIDED HOWEVER, That upon the actual dual completion of said subject well, applicant shall submit to the district office of the Commission in which the subject well is located, Form C-104 and Form C-110, outlining the information required on these forms by existing Rules and Regulations.

PROVIDED HOWEVER, That subject well shall be completed and thereafter produced in such a manner that there will be no commingling within the well bore either within or outside the casing of gas, oil and gas, or oil produced from either or both of the separate strata, and

PROVIDED FURTHER, That said subject well for dual completion and production shall be equipped in such a way that reservoir pressures may be determined separately for each of the two specified strata and further be equipped with all necessary connections required to permit the recording meters to be installed and used at any time as may be required by the Commission or its representatives in order that natural gas, or oil and gas from each separate stratum may be accurately measured and the gas-oil ratio thereof determined, and

PROVIDED FURTHER, That the operator-applicant shall make any and all tests, including segregation tests and packer leakage tests on completion and annually thereafter and upon completion of remedial work or whenever the packer is disturbed, but not excluding other tests and/or determinations at any convenient time and in such manner as deemed necessary by the Commission; the original and all subsequent tests shall be witnessed by representatives of offset operators if any there be at their election, and the results of each test properly attested to by the applicant herein and all witnesses, and shall be filed with the Commission within 15 days after the completion of such tests

and, further, that applicant shall file with the Commission in duplicate a packer-setting affidavit, which affidavit shall be due within 15 days of the dual completion or whenever the packer is disturbed.

PROVIDED FURTHER, That upon the actual dual completion of such subject well, applicant shall submit to the Commission, a diagrammatic sketch of the mechanical installation which was actually used to complete and produce the seal between the strata and a special report of producing gas-oil ratios and reservoir pressure determination of each producing zone or stratum immediately following completion.

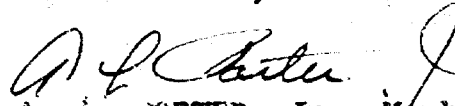
IT IS FURTHER ORDERED: That jurisdiction of this cause is hereby retained by the Commission for such further order or orders as may seem necessary or convenient for the prevention of waste and/or protection of correlative rights. Upon failure of applicant to comply with any requirement of this order after proper notice and hearing, the Commission may terminate the authority hereby granted and require applicant or its successors and assigns to limit its activities to regular single-zone production in the interests of conservation.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION


JOHN F. SIMMS, Chairman


S. WALKER, Member


A. L. PORTER, Jr., Member & Secretary



ir/

BEFORE THE OIL CONSERVATION COMMISSION OF THE
STATE OF NEW MEXICO

IN THE MATTER OF THE)
APPLICATION OF WILSHIRE OIL)
COMPANY OF TEXAS FOR AN)
ORDER AUTHORIZING THE DUAL)
COMPLETION OF ITS WELL,)
DESIGNATED AS FEDERAL NO.)
12-30, IN THE D-K ABO AND THE)
D-K DRINKARD POOLS IN THE)
N/2 OF SECTION 30 AND THE S/2)
OF SECTION 19, TOWNSHIP 20)
SOUTH, RANGE 39 EAST, LEA)
COUNTY, NEW MEXICO)

CASE NO.

APPLICATION

Wilshire Oil Company of Texas, by its Attorney, makes this application for an order authorizing the dual completion of its well, designated as Federal Well No. 12-30, located in the SW/4 NW/4 of Section 30, Township 20 South, Range 39 East, Lea County, New Mexico, and for the promulgation of pool rules and in support of its application states:

1. Applicant is the owner and operator of a well completed in the SW/4 NW/4 of Section 30, Township 20 South, Range 39 East, Lea County, New Mexico.
2. Applicant's said well was initially completed on August 9, 1954, in the Abo formation at an initial production of 291 barrels of 37.5 gravity oil with a gas-oil ratio of 1145/1, through perforations from 7248 feet to 7418 feet. The production from said Abo formation steadily declined to less than 20 barrels of oil per day.
3. That on or about December 15, 1955, said well was plugged back with a Baker Model "K" plug with 13 feet of Hydramite on the top thereof at 7200 feet. The casing was then perforated from 6945 feet to 7124 feet, and completed in the Drinkard formation with an initial production of 162 barrels of 42 gravity oil per day with a gas-oil ratio of 10,000/1. The production from the Drinkard formation has steadily

declined to an average daily production of approximately 24 barrels of oil per day with a gas-oil ratio of 20,000/1.

4. That the oil string or production casing in said well is 7-inch, 23# casing set at 7550 feet and cemented with 300 sacks of cement with the top of the cement being 5400 feet based on temperature survey.

5. That the defined limits of the D-K Abo common source of supply are the same as the D-K Drinkard common source of supply, as set forth in Commission Order R-790 and consist of the following described area in Lea County, New Mexico, to-wit:

Township 20 South, Range 39 East, N. M. P. M.

Section 19: S/2

Section 30: N/2

6. Applicant proposes to dually complete said well by drilling out the plug now between the two formations and set a Baker Model "D" production packer at 7200 feet and run 2-3/8" E. U. E. tubing with stinger through the packer to produce the oil from the Abo formation through a low pressure line into a low pressure treater and thence to the tank battery. Applicant also proposes to run another string of 2-3/8" E. U. E. tubing to approximately 7000 feet without a packer and produce the oil from the Drinkard formation through a separate flow line into a high pressure separator thence to the tank battery. With such an arrangement, each formation may be separately tested for oil and gas production and for bottom hole pressures.

7. That the cost of drilling, equipping, completing and producing of a well to either formation does not justify additional drilling in these pools because of the rapid rate of depletion, thus known recoverable reserves will probably not be produced and saved and thereby cause waste unless or until new or additional means of producing such wells are used.

8. Texas Crude Oil Company is the only other interested operator in the D-K Abo and D-K Drinkard pools and said company has been furnished with a copy of this application.

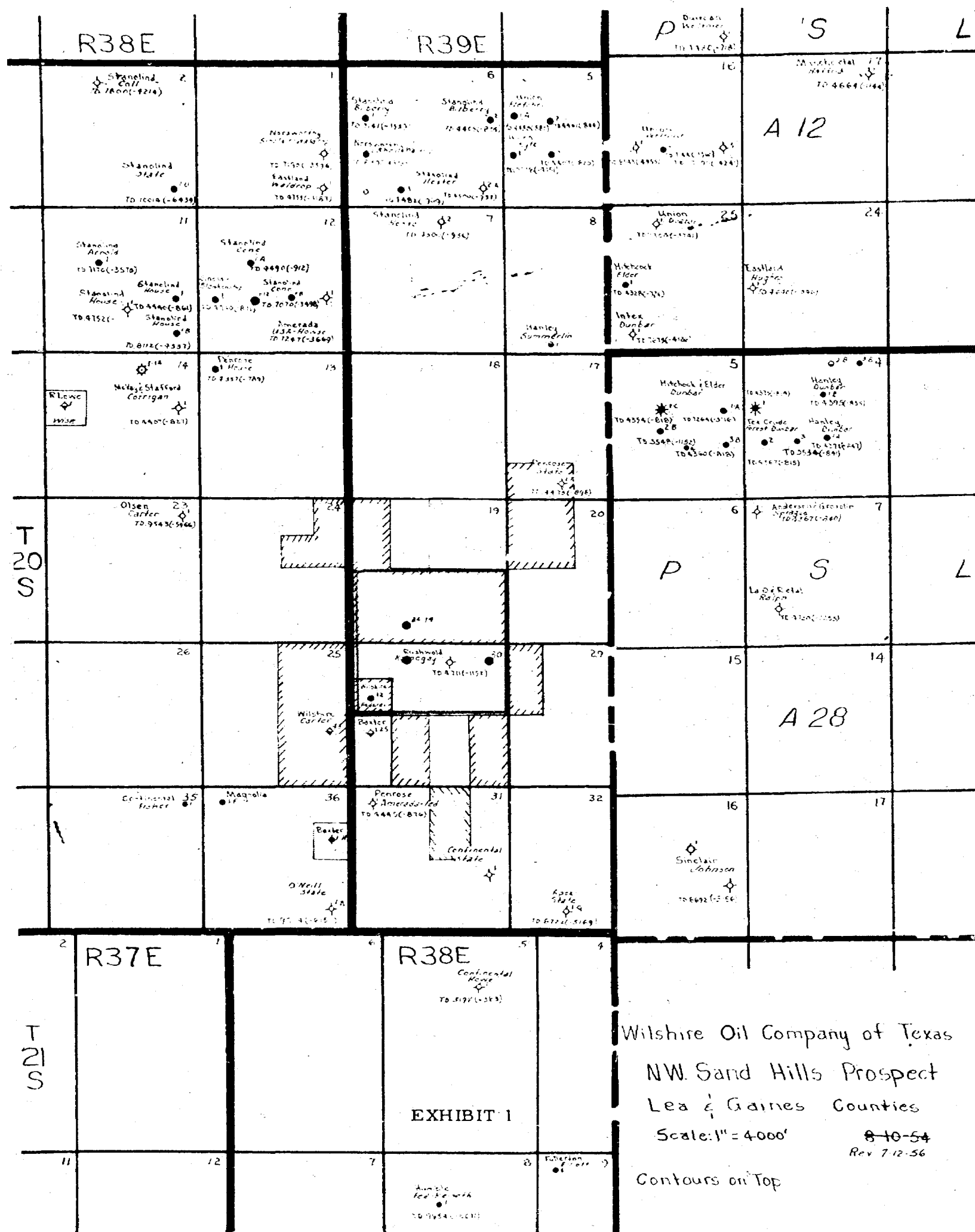
9. Applicant attaches hereto, and by reference makes a part hereof, Exhibit 1-Plat of the D-K Abo and D-K Drinkard Pools; Exhibit 2-Diagrammatic Sketch of Proposed Dual Completion Equipment; and Exhibit 3-Small Scale Schlumberger Electrical Log of said well.

WHEREFORE, Wilshire Oil Company of Texas, the Applicant herein, prays that the Commission set this application for a hearing at such time and place as the Commission may designate, and that notices be issued according to law, and that the application be granted, and that the Commission promulgate such rules as may be necessary in the premises.

Respectfully submitted,

WILSHIRE OIL COMPANY OF TEXAS

By Clyde N. Stone
Clyde N. Stone, its Attorney
301 Leggett Building
Midland, Texas

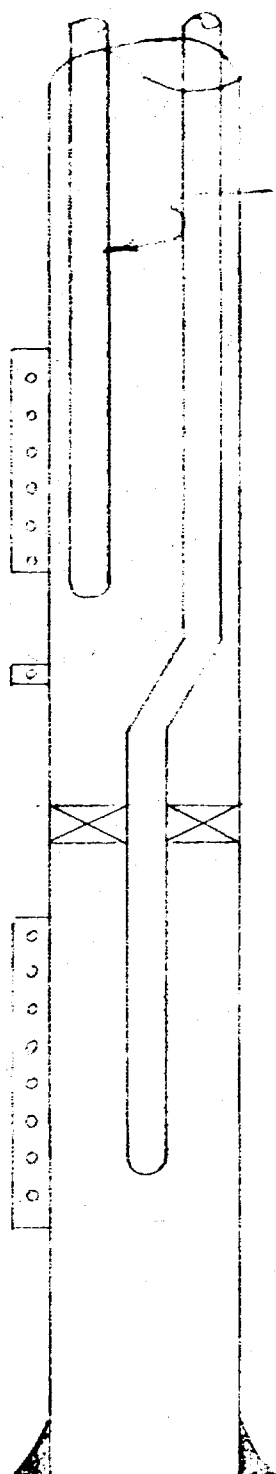


Dual valve head to be used
on Xmas tree w/ separate flow
lines to the tank battery

Drumard
Perf: 6945-7124
Prod: 245 opd
GOR: 20000/1
Grav: 42"
Cut: 16%

Baker Model D
to be set @ 7200

ABO
Perf: 7218-7413
Prod: 25 B opd
GOR: 14,000/1
Grav: 37.5"
Cut: 10%



2 5/8\"/>

Baker Model K @ 7200
To be drilled out

2\"/>

7\"/>

EXHIBIT 2

WILSHIRE OIL COMPANY OF TEXAS

D-K Field
Lea Co New Mexico
Federal 11-30
Sec 30 208-39E

6-17-52

Reproduced By
West Texas Electrical Log Service
 1305 Commerce Street
 Dallas 1, Texas

REFERENCE N° W4725 -B

LOG		COMPANY WILSHIRE OIL CO.		Location of Well	
COUNTY	LEA	WELL	FEDERAL # 12-30	1980' F NL	
FIELD	WILCOAT	FIELD	WILCOAT	660' F WL	
LOCATION	SEC. 30-20S-39E	LOCATION	SEC. 30-20S-39E	ES-CRL	
STATE	NEW MEXICO	COUNTY	LEA	(ML)	
		STATE	NEW MEXICO	Elevation: D.F.: 3575	
				K.B.: 3569	
				or G.L.: 3569	
				FILING No.	

RUN No.	7-16-54
Date	7-16-54
First Reading	9677
Last Reading	4494
Feet Measured	5183
Csg. Schlum.	4494
Csg. Driller	4490
Depth Reached	9680
Bottom Driller	9678
Depth Datum	11' Aby. GL
Mud Nat.	Caustic-Obr.
Density	9.3
Viscosity	42
Resist.	1.080 73 F
Res. BHT	.520 142 F
pH	9.26
Wtr. Loss	12 CC 30 min
Max. Temp. F	142
Bit Size	8 3/4"
Spgrs. - AM	10
A	32" LS
AO	19'
Opr. Rig Time	3 Hrs.
Log No.	11-50-1085
Recorded by	Scott
Witness By	

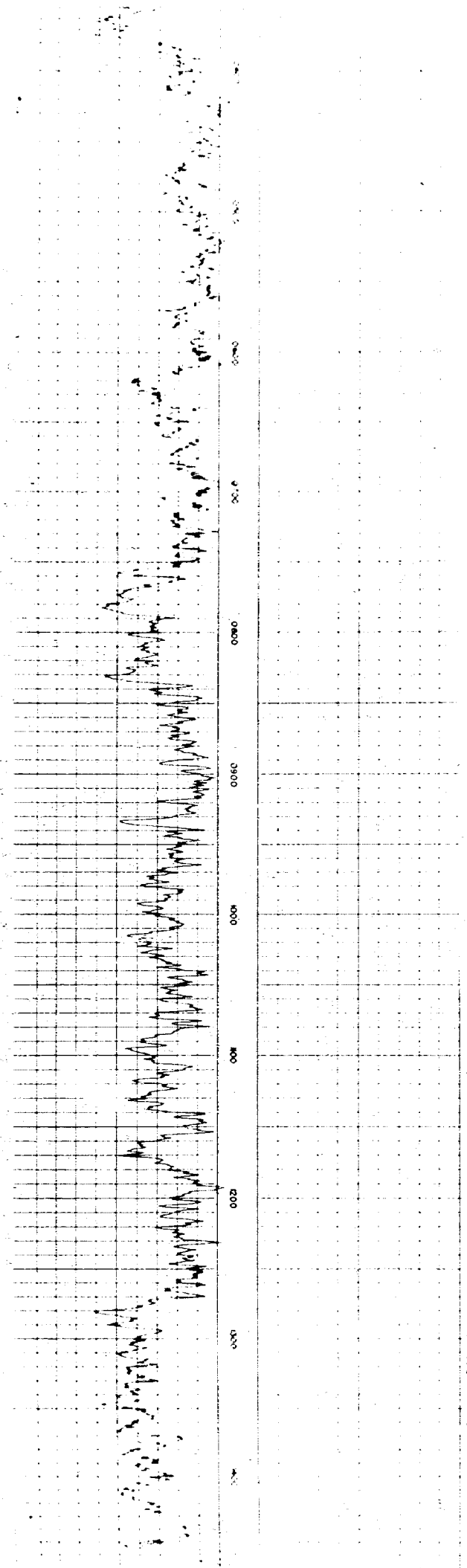
REMARKS

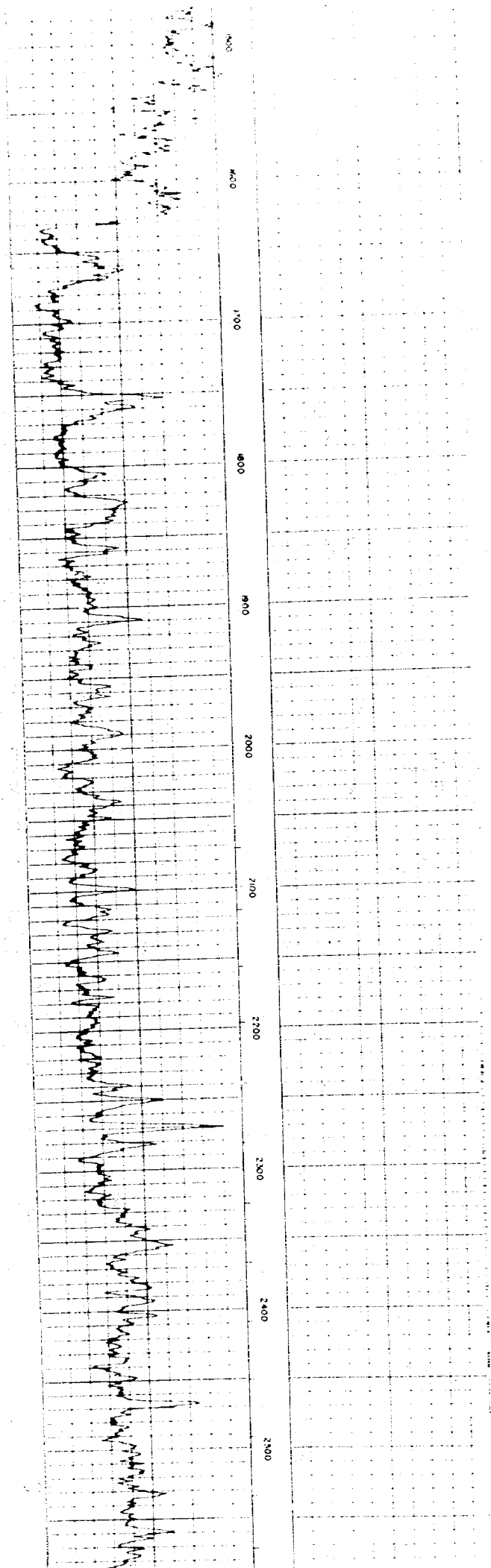
THIS IS NOT A COMPLETE REPRODUCTION OF THE ORIGINAL LOG.

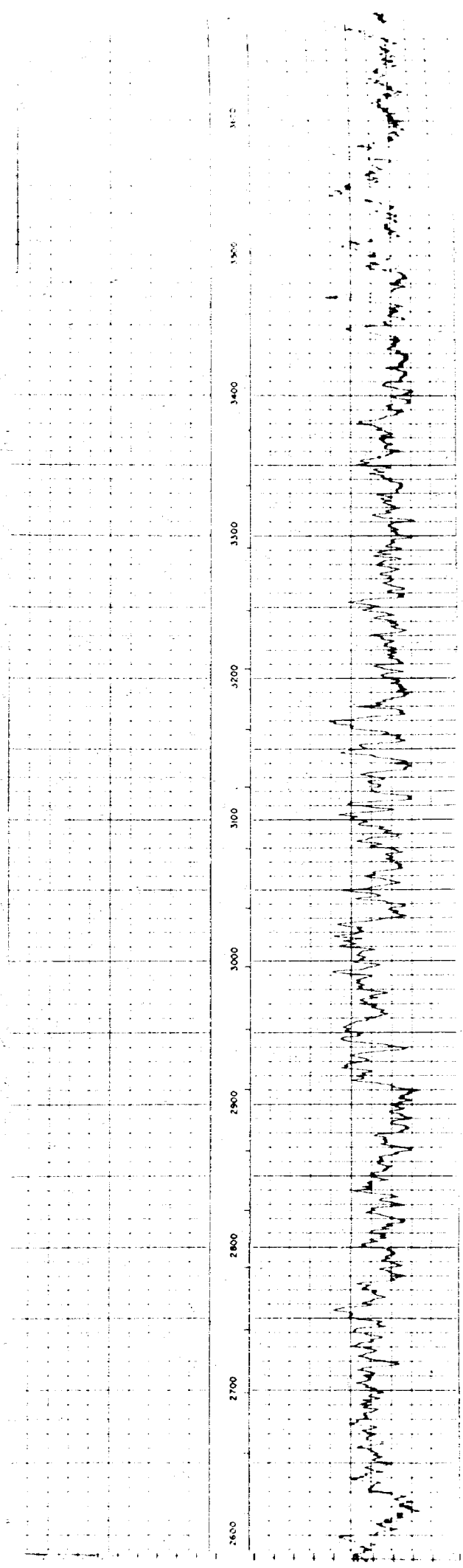
SPONTANEOUS-POTENTIAL millivolts	DEPTH	RESISTIVITY -ohms. m ² /m
	2 1/2	10" Normal 100
	100	1000
	22" LS Lateral 90	

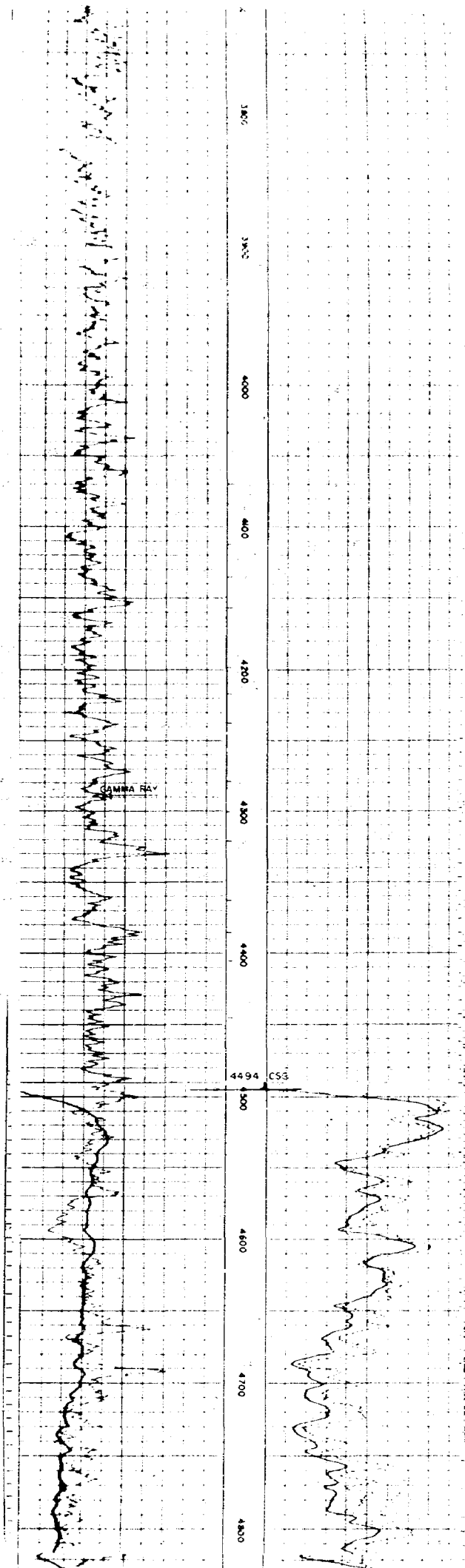
GAMMA RAY CALIBRATION - (Two Detectors)
 8.85 5183 - 190 cps 200 Divisions 200 Sensitivity cal

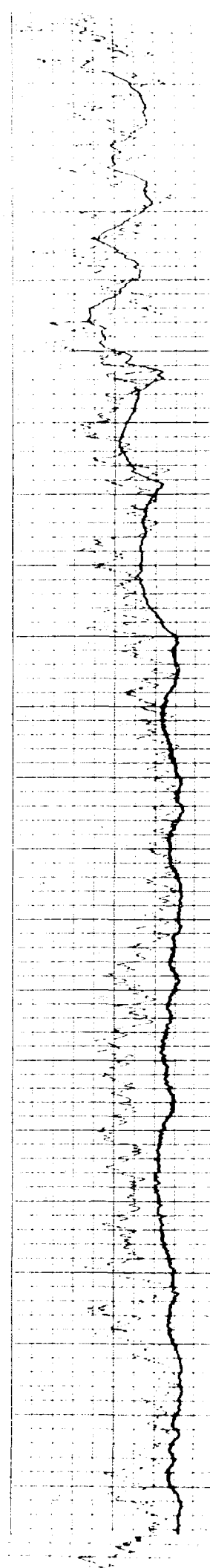
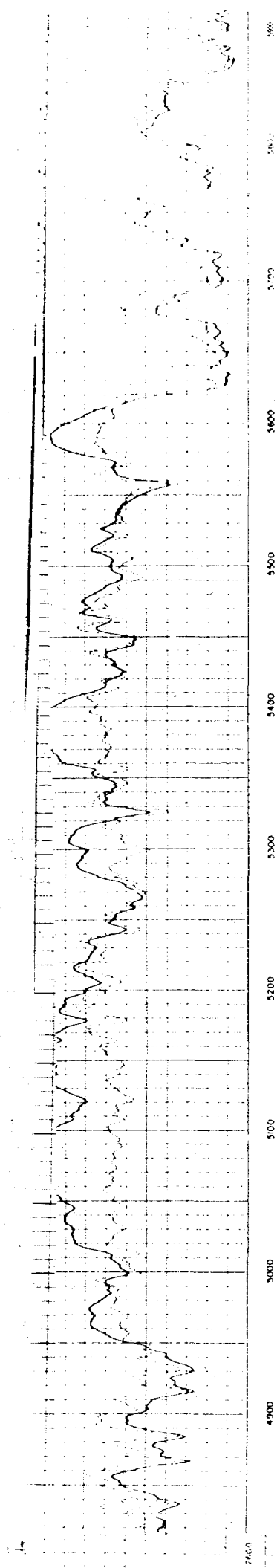
SCALE OF LOG
 Micrograms Radium Equivalent / Ton of Formation

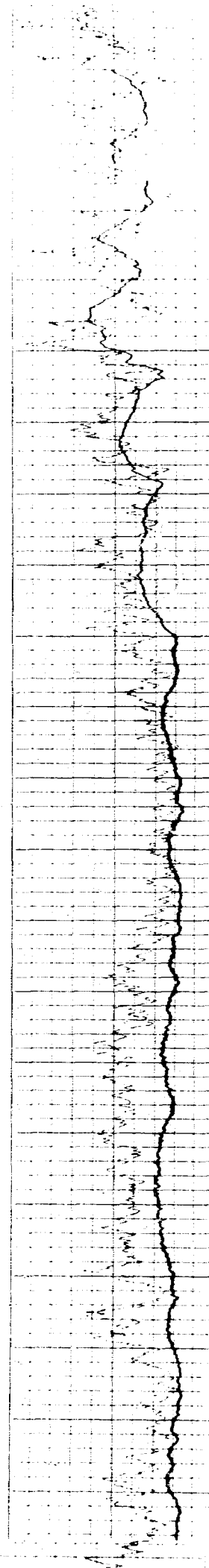
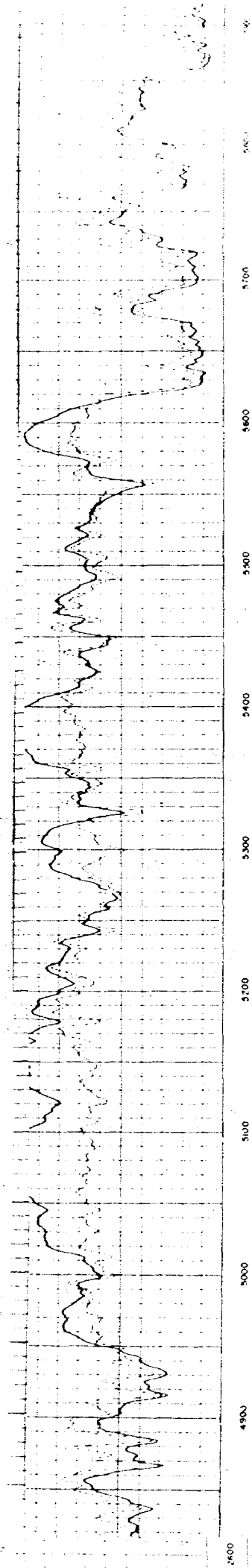


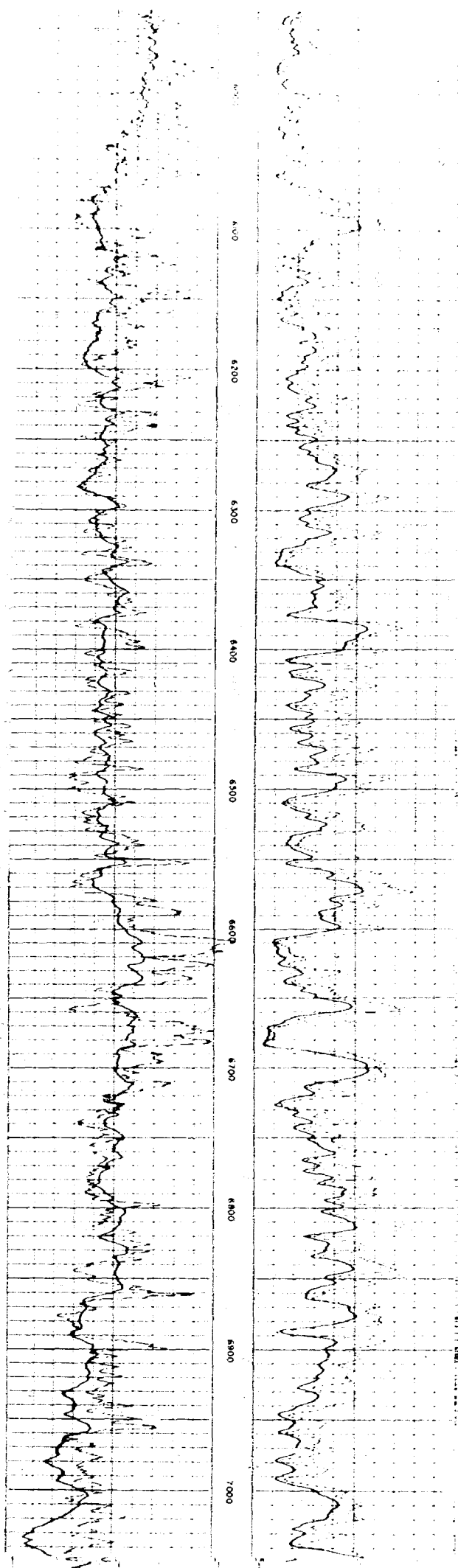


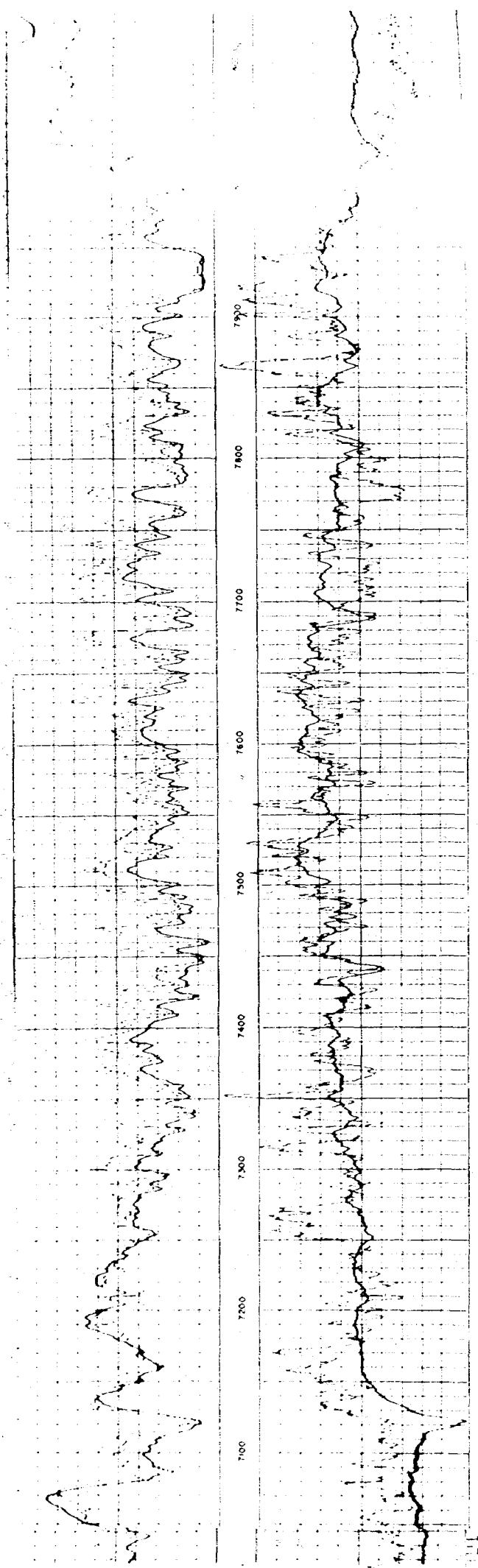


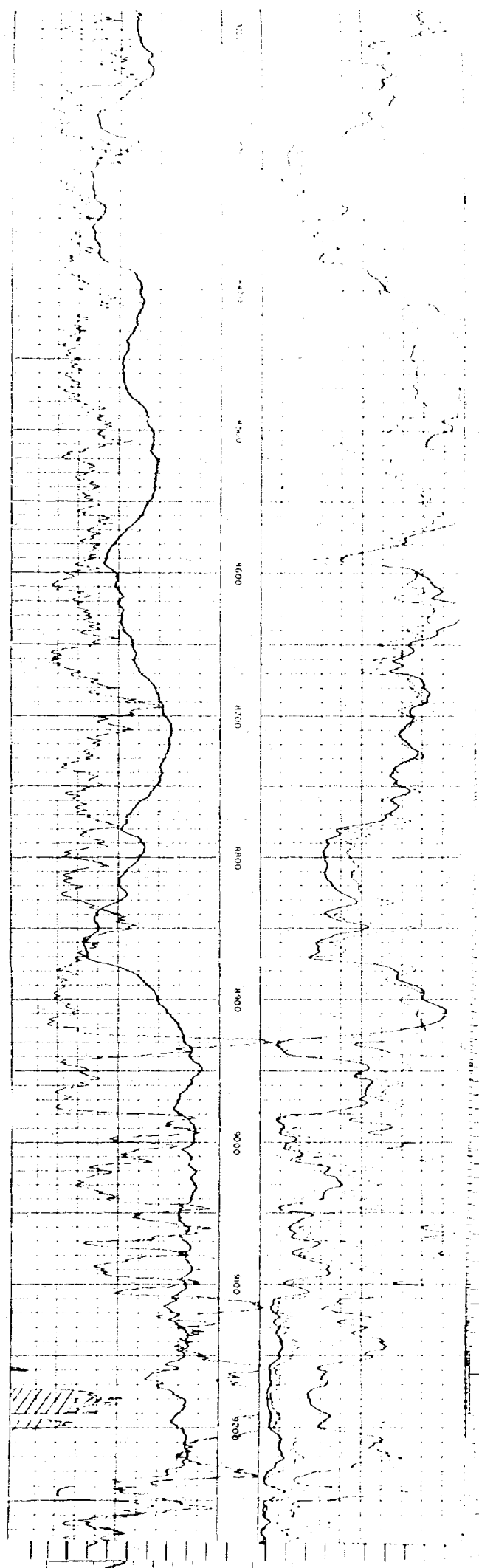


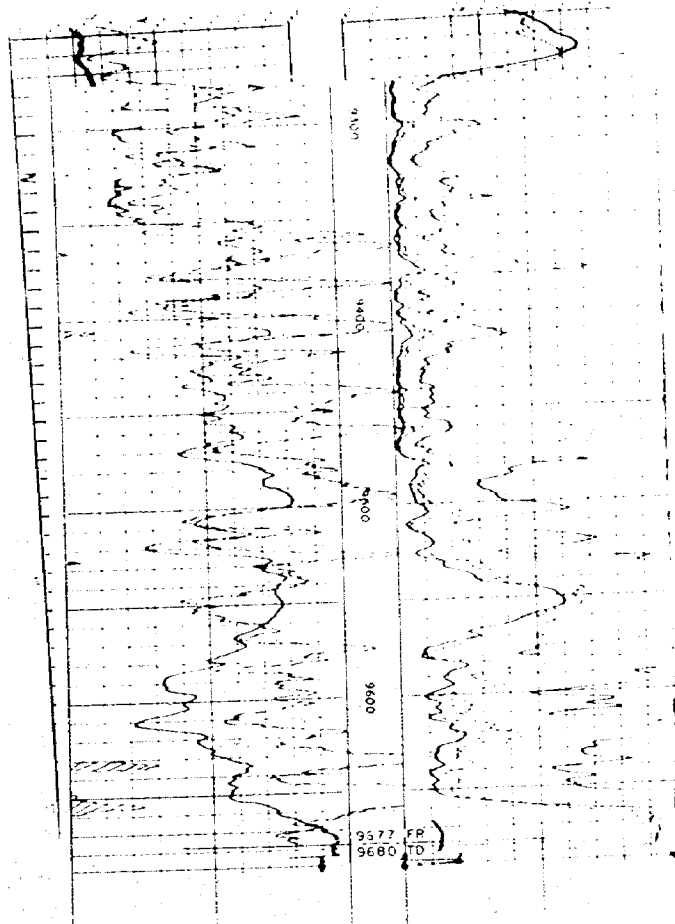












SCHLUMBERGER WELL SURVEYING CORPORATION



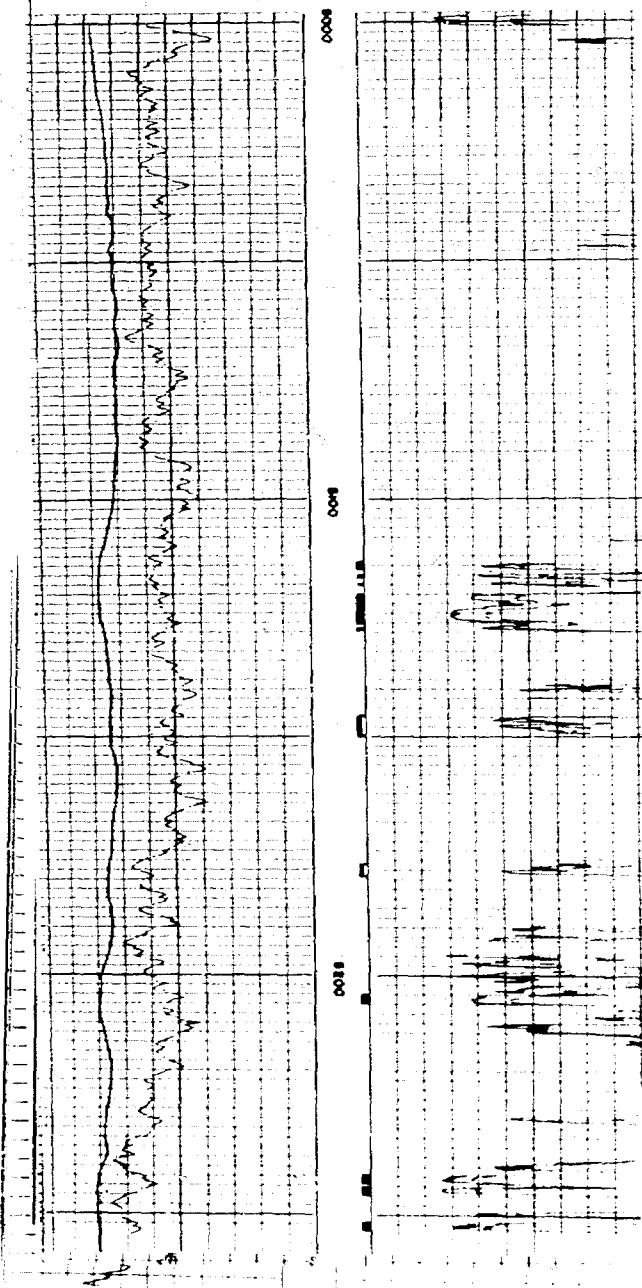
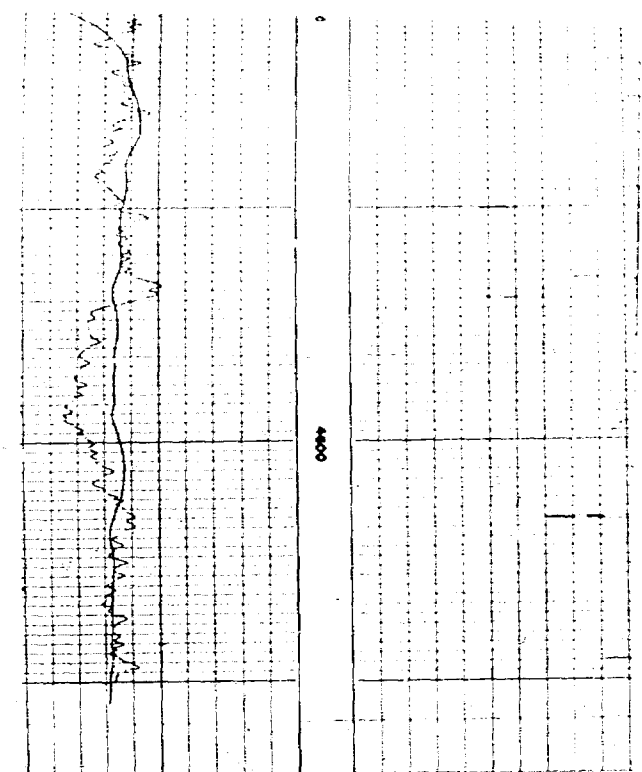
MicroLogging®

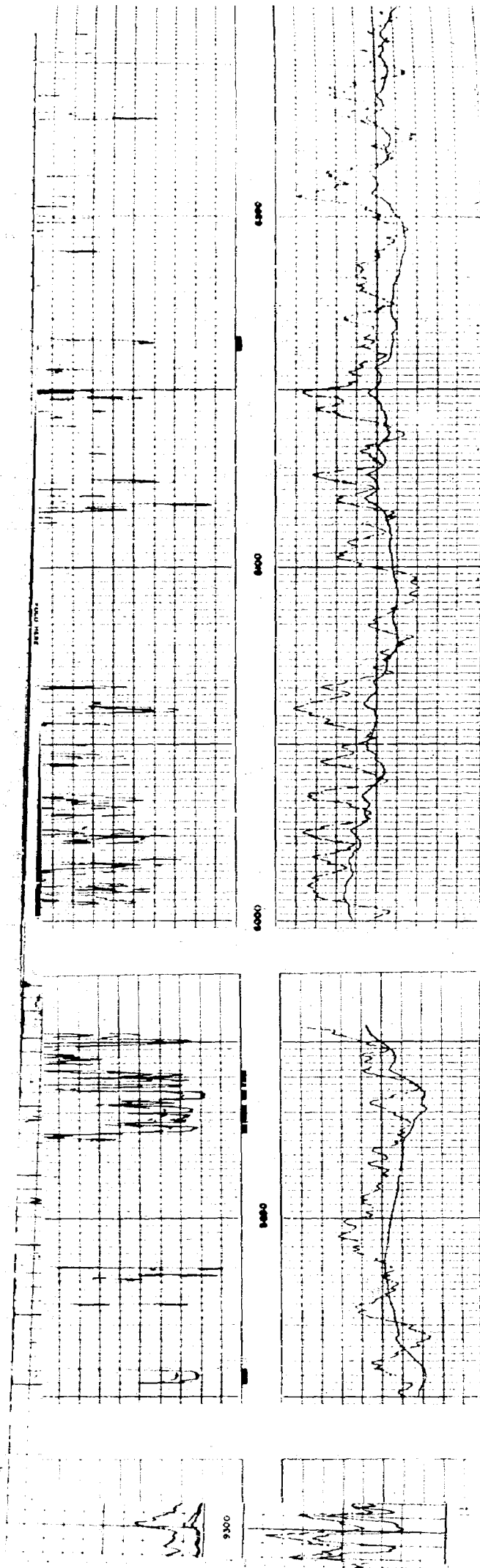
COUNTY LEA FIELD or LOCATION WELL FEDERAL # 12-30 COMPANY WILSHIRE OIL CO.	COMPANY WILSHIRE OIL CO.	Location of Well 1980' f NL 660' f WL Sec. 30-20S-39E
	WELL FEDERAL # 12-30	ML-GRL (ES)
	FIELD WILDCAT LOCATION SEC. 30-20S-39E	Elevation: D.F. 3579 K.B. 3569 or G.L. 3569
	COUNTY LEA STATE NEW MEXICO	FILING No.

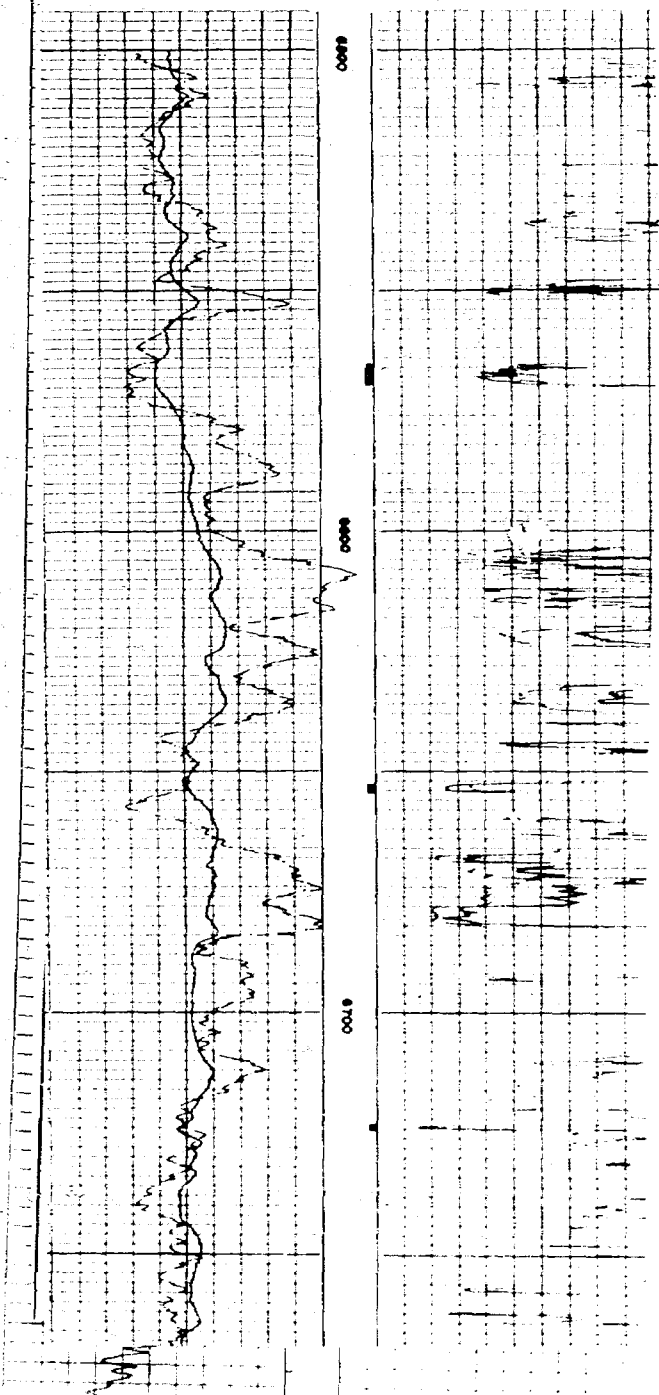
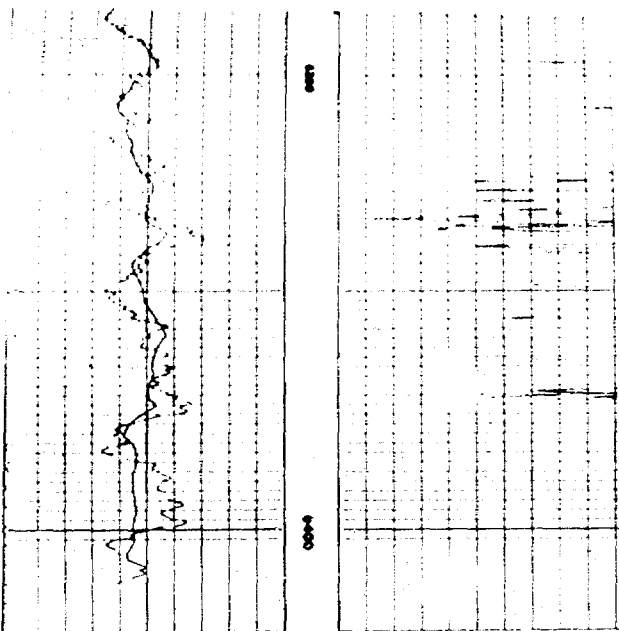
RUN No.	7-16-54
Date	7-16-54
First Reading	7600
Last Reading	4494
Feet Measured	2106
Csg. Schlum.	4494
Csg. Driller	4490
Depth Reached	7600
Bottom Driller	9578
Depth Datum	11' Adv. GL
Mud Not.	Caustic + 0br.
Density	9.3
Viscosity	42
Resist.	0.86 73 F
Res. BHL	52 @ 142 F
pH	4.26
Wtr. Loss	12 CC 30 min
Max. Temp. °F	142
Bit Size	8 3/4"
Spgrs.	
Micro Inverse 1"	13"
Micro Normal 2"	2"
Op. Rig Time	3 Hrs.
Recorded By	1760-Hobbs
Witness By	Scott

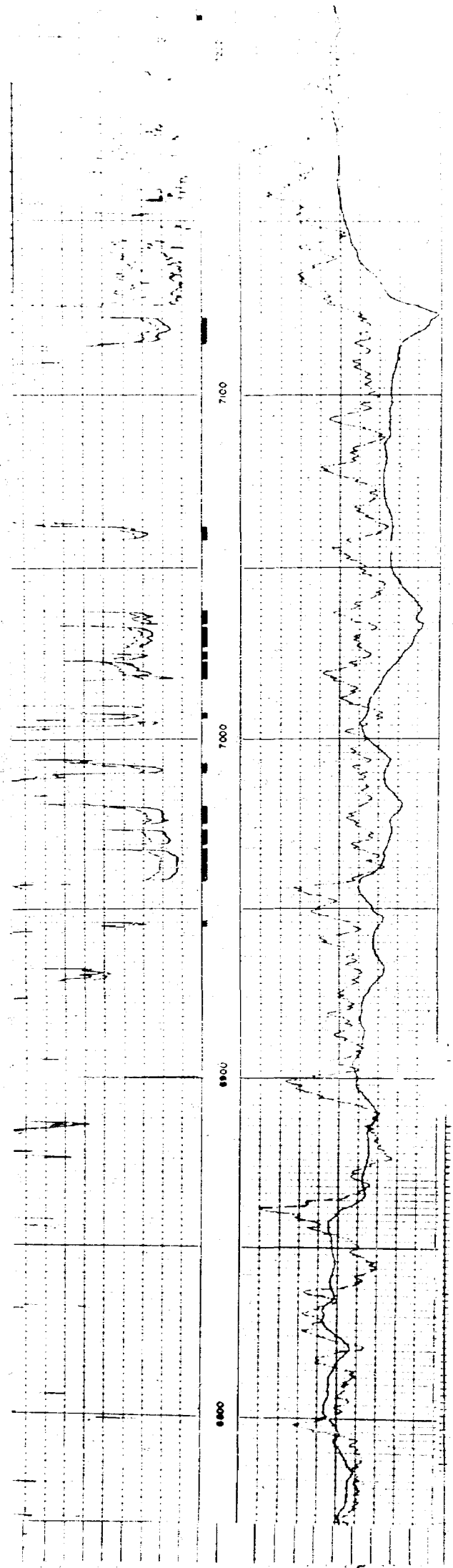
REMARKS

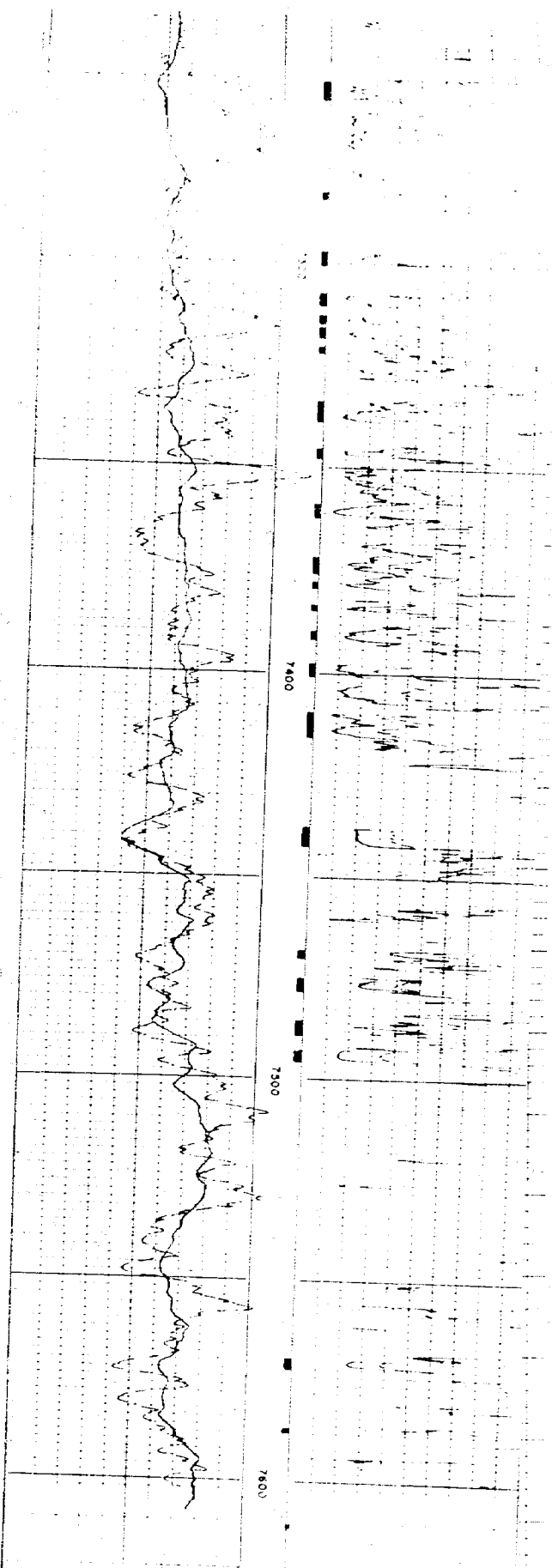
SPONTANEOUS-POTENTIAL millivolts	SHALLOWS	RESISTIVITY ohms. m ² /m
-15	5/100	0. Micro Inverse 1" x 1" 20
0		0. Micro Normal 2" 20
Radioactivity Increases		HO-G-1











WILSHIRE OIL CO.
FEDERAL # 12-30
WILDCAT
LEA COUNTY, N.M.

Texas Crude Oil Company

6100 Camp Bowie Boulevard

P. O. Box 9846

Fort Worth 7, Texas

July 24, 1956

REPLY TO
204 V & J TOWER BUILDING
MIDLAND, TEXAS

Wilshire Oil Company of Texas
Leggett Building
Midland, Texas

Re: Your Federal 12-30 well
SW $\frac{1}{4}$ NW $\frac{1}{4}$ Section 30, T-20-S,
R-39-E, Lea County, New
Mexico

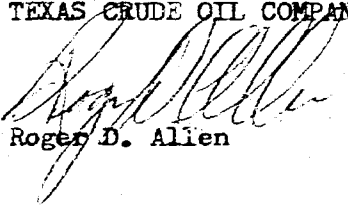
Attention: Mr. Clyde N. Stone

Gentlemen:

This will serve as your authorization as far as Texas Crude Oil Company is concerned to proceed with the dual completion of your above well, subject, of course, to approval of the appropriate state regulatory bodies.

Very truly yours,

TEXAS CRUDE OIL COMPANY


Roger D. Allen

RDA:ch

BEFORE THE
OIL & GAS COMMISSION
STATE OF NEW MEXICO
Wilshire BIT No. 2
CASE 1145

FEDERAL 12-30
D-K DRINKARD FIELD
LEA COUNTY, NEW MEXICO

PRODUCTION HISTORY

A B O	
Month	Oil
August, 1954	3,073
September	1,701
October	2,306
November	2,518
December	2,499
Total - 1954	<u>12,097</u>
January, 1955	2,169
February	2,027
March	1,717
April	1,511
May	1,275
June	1,205
July	1,227
August	1,101
September	933
October	943
November	874
December	569
Total - 1955	<u>15,551</u>
Total from Abo	<u>27,648</u>

DRINKARD		
Month	Oil ¹	Gas
December, 1955	<u>1,060</u>	
Total - 1955	<u>1,060</u>	
January, 1956	1,348	
February	1,010	
March	1,000	
April	941	20,137
May	823	16,533
June	734	15,826
July	699	15,678
Total - 1956	<u>6,555</u>	<u>68,174</u>
Total from Drinkard	<u>7,615</u>	<u>68,174</u>

Total from Drinkard and Abo 35,263
Avg. price gas from Drinkard 4.9¢/Mcf

BEFORE THE
COMMISSION
NEW MEXICO
Winters 3
1145

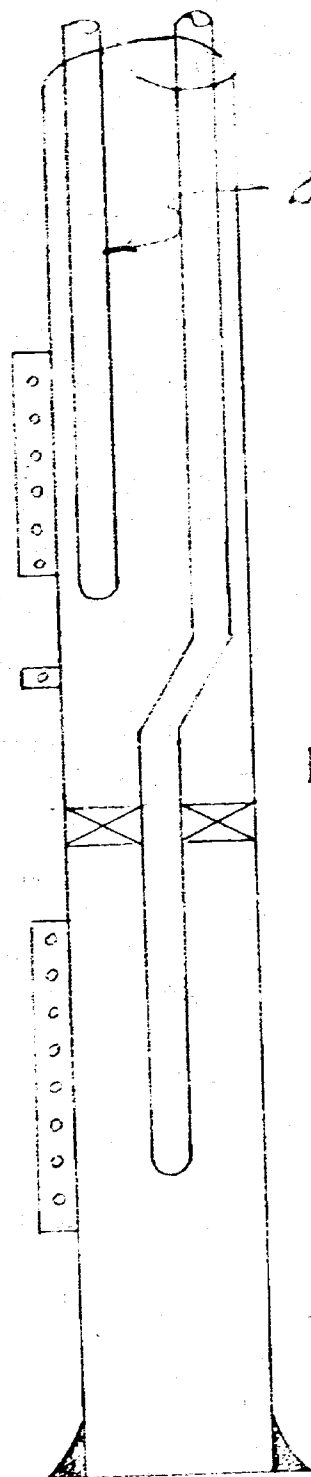
Dual valve now to be used
on Xmas tree w/ separate flow
lines to the fair battery

BEFORE THE
OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO
Wilshire EXHIBIT NO. 4
CASE 1145

Drinkard
Perf: 6945-7124
Prod: 245000
GOR: 20,000/1
GV: 42"
Cut: 16%

Baker Model D
to be set @ 7200

AFO
Perf: 7248-7413
Prod: 25 Bopa
GOR: 4,000/1
GV: 37.5"
Cut: 24%



2" EUE tubing to
Drinkard

Baker Model K @ 7200
To be drilled out

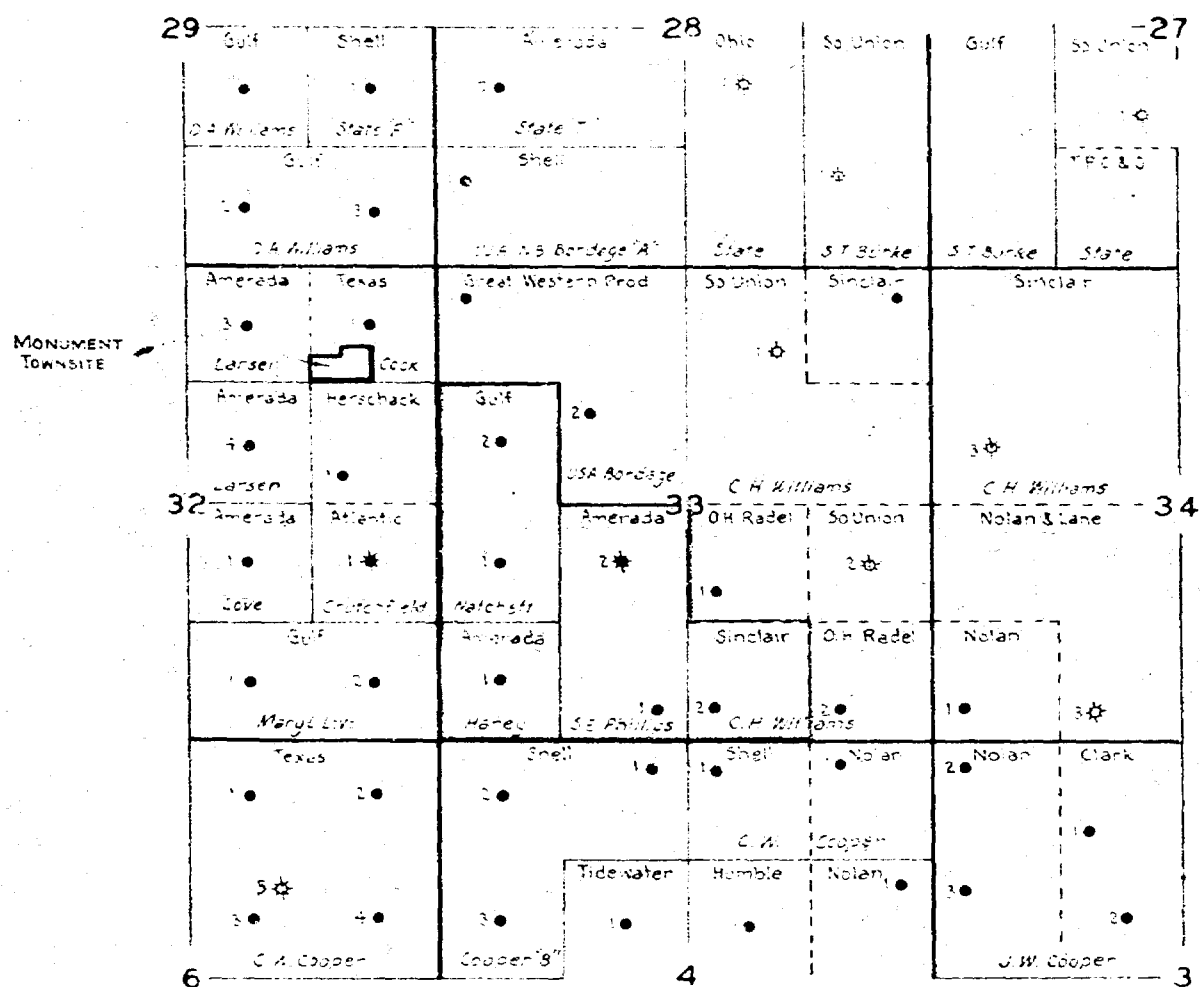
2" EUE tubing thru
pkv to Afo

7" 23" csg @ 7550
w/ 300 bps
Top of cement 5400

WILSHIRE OIL COMPANY OF TEXAS

D-K Field
Lea Co. New Mexico
Federal 12-30
Sec 30 205-39E

R 37 E



SARAH PHILLIPS GAS UNIT

SW/4 and SW/4 of the NW/4 and SW/4 of the SE/4 of

Sec. 33, T-19-S, R-37-E

Lea County, New Mexico

Scale: 1" = 2000'