FILE NOTATIONS

Entered in NID File ..... ✓

Location Map Pinned .....

Card Indexed ..... ✓

Checked by Chief RMB

Approval Letter 7-24-72

Disapproval Letter .....

COMPLETION DATA:

Date Well Completed .....

Location Inspected .

OW..... WW..... TA.....

Bond released

GW..... OS..... PA.....

State or Fee

LOGS FILED

Driller's Log.....

Electric Logs (No.) .....

E..... I..... Dual I Lat..... GR-N..... Micro.....

BHC Sonic GR..... Lat..... Mi-L..... Sonic.....

CBLog..... CCLog..... Others.....

Auschutz Corp.

Bob Wakefield

NESW

7-19S-23E

Denver - (303)

266-2367

Mark Crystal - Lands

4-17-72 CBJ

THE ANSCHUTZ CORPORATION, INC.

1110 DENVER CLUB BUILDING
518 SEVENTEENTH STREET
DENVER, COLORADO 80202
TELEPHONE 266-2367

April 18, 1972

Re: Anschutz #1 Federal-262
NE SW Sec.7-19S-23E
Grand County, Utah
Federal Lease: U-14262

Mr. Gerald R. Daniels
U.S. Geological Survey
8416 Federal Building
Salt Lake City, Utah

Mr. Cleon B. Feight
Oil & Gas Conservation Division
Department of Natural Resources
1588 West Temple North
Salt Lake City, Utah

Gentlemen:

Transmitted herewith in triplicate is the APPLICATION FOR PERMIT TO DRILL (Form 9-331C) for the captioned well. Don Quigley will stake the location on April 19, and will deliver the Survey Plats directley to your office.

As discussed by telephone, we will sincerely appreciate your efforts in obtaining approval of the permit, since our rig is idle and waiting for the location.

Yours very truly,

THE ANSCHUTZ CORPORATION, INC.

W. W. Wakefield
Vice President

/j
Encls.

Form 9-331 C
(May 1963)

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1425.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
DRILL [XX] DEEPEN [ ] PLUG BACK [ ]

b. TYPE OF WELL
OIL WELL [XX] GAS WELL [ ] OTHER SINGLE ZONE [ ] MULTIPLE ZONE [ ]

2. NAME OF OPERATOR
THE ANSCHUTZ CORPORATION, INC.

3. ADDRESS OF OPERATOR
1110 Denver Club Building, Denver, Colo. 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface NE¼ SW¼ Sec.7 (*)
At proposed prod. zone 2183' FSL & 1307' FWL

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any): 660'

16. NO. OF ACRES IN LEASE: 2460.79

17. NO. OF ACRES ASSIGNED TO THIS WELL:

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.:

19. PROPOSED DEPTH: 4500'

20. ROTARY OR CABLE TOOLS: Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.): (*)

22. APPROX. DATE WORK WILL START*: April 22, 1972

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12¼"	8-5/8"	24	250'	200 sx.
7-7/8"	5½"	15	4500'	260 sx.

We propose to drill this well to an approximate total depth of 4500' into the Entrada formation. Mud and BOP programs will be those generally used in this area. Electric logs will be run to total depth. No cores are p planned. DST's will be run as warranted by sample and log evaluation. If production is encountered, casing will be set through the pay section and selectively perforated. Fracing or acidizing may be necessary to stimulate production.

(*) Survey Plats will be delivered in a few days.
Blanket drilling bond on file.

C. 3

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED W. V. Bakefield TITLE Vice President DATE April 18, 1972

(This space for Federal or State office use)

PERMIT NO. 43-019-30102 APPROVAL DATE

APPROVED BY TITLE DATE

CONDITIONS OF APPROVAL, IF ANY:

5. LEASE DESIGNATION AND SERIAL NO.
FEDERAL U-13262

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Federal-262

9. WELL NO.
1

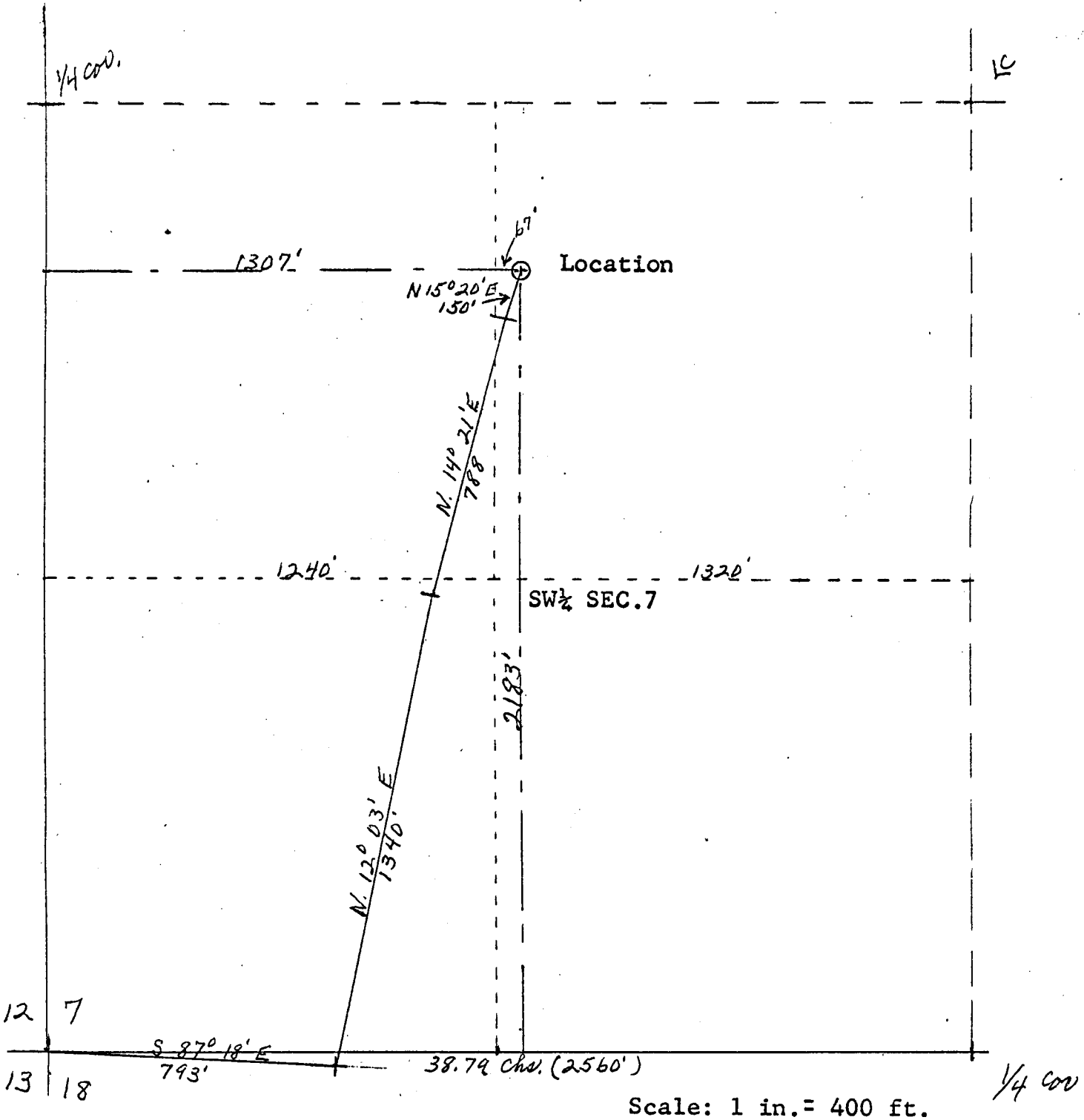
10. FIELD AND POOL, OR WILDCAT
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
7-18S-23E

12. COUNTY OR PARISH: Grand
13. STATE: Utah

*See Instructions On Reverse Side

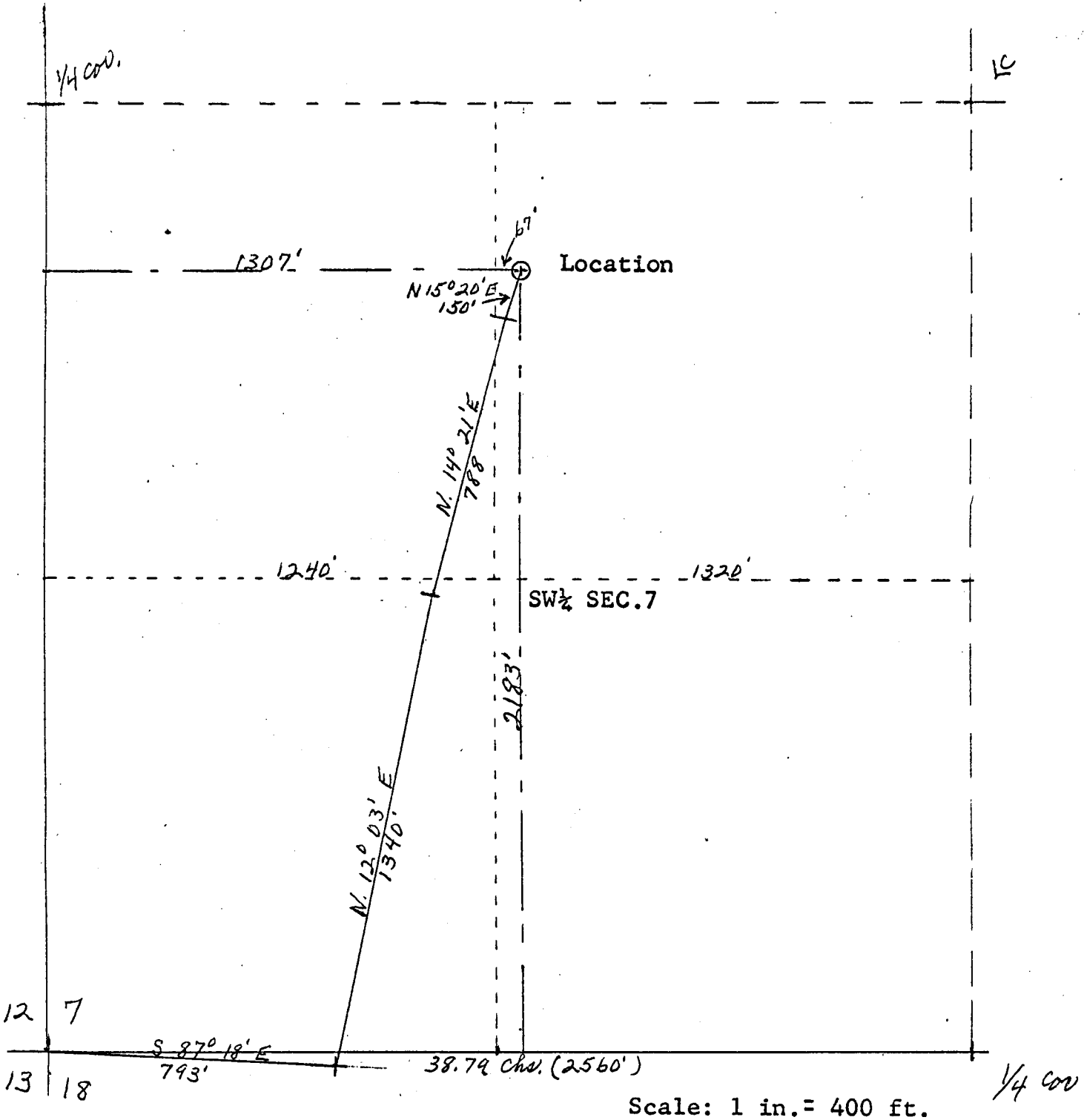
LOCATION PLAT
FOR
ANSCHUTZ # 1 FED. 262
NW.NE.SW.SEC.7-19S.-23E.
(2183'fr.S-line & 1307'fr.W-line)
Elev.:5265' grd.



Scale: 1 in.= 400 ft.
Date: April 20, 1972
Surveyed by: W. Don Quigley

W. Don Quigley

LOCATION PLAT
FOR
ANSCHUTZ # 1 FED. 262
NW.NE.SW.SEC.7-19S.-23E.
(2183'fr.S-line & 1307'fr.W-line)
Elev.:5265' grd.



Scale: 1 in.= 400 ft.
Date: April 20, 1972
Surveyed by: W. Don Quigley

W. Don Quigley

April 24, 1972

The Anschutz Corporation
1110 Denver Club Building
Denver, Colorado

Re: Well No. Federal 262 - No. 1
Sec. 7, T. 19 S, R. 23 E,
Grand County, Utah
API No. 43-019-30104

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to well is hereby granted in accordance with Rule C-3, General Rules and Regulations and Rules of Practice and Procedure.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

PAUL W. BURCHELL - Chief Petroleum Engineer
HOME: 277-2890
OFFICE: (801) 328-5771

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation with regard to completing this form will be greatly appreciated.

Very truly yours,

DIVISION OF OIL & GAS CONSERVATION

CLEON B. FEIGHT
DIRECTOR

CBF:sd

RES. PHONE 801-295-1870 BUS. PHONE 801-359-3575

W. DON QUIGLEY

OIL AND MINERALS CONSULTANT
803 PHILLIPS PETROLEUM BLDG. - SALT LAKE CITY, UTAH 84101

Jack,

Anschutz will send you a request for a waiver of the spacing rule as noted on the enclosed plat. We are crowded to the west by an irrigation ditch which is used by the rancher.

— Don —

JOHNSTON

Schlumberger

technical report

COMPANY ANSCHUTZ CORPORATION, INC. WELL ANSCHUTZ 1, FEDERAL #1-262 TEST NO. 1 COUNTY GRAND STATE UTAH

F. R.# 20934 B

JOHNSTON

PRESSURE LOG*

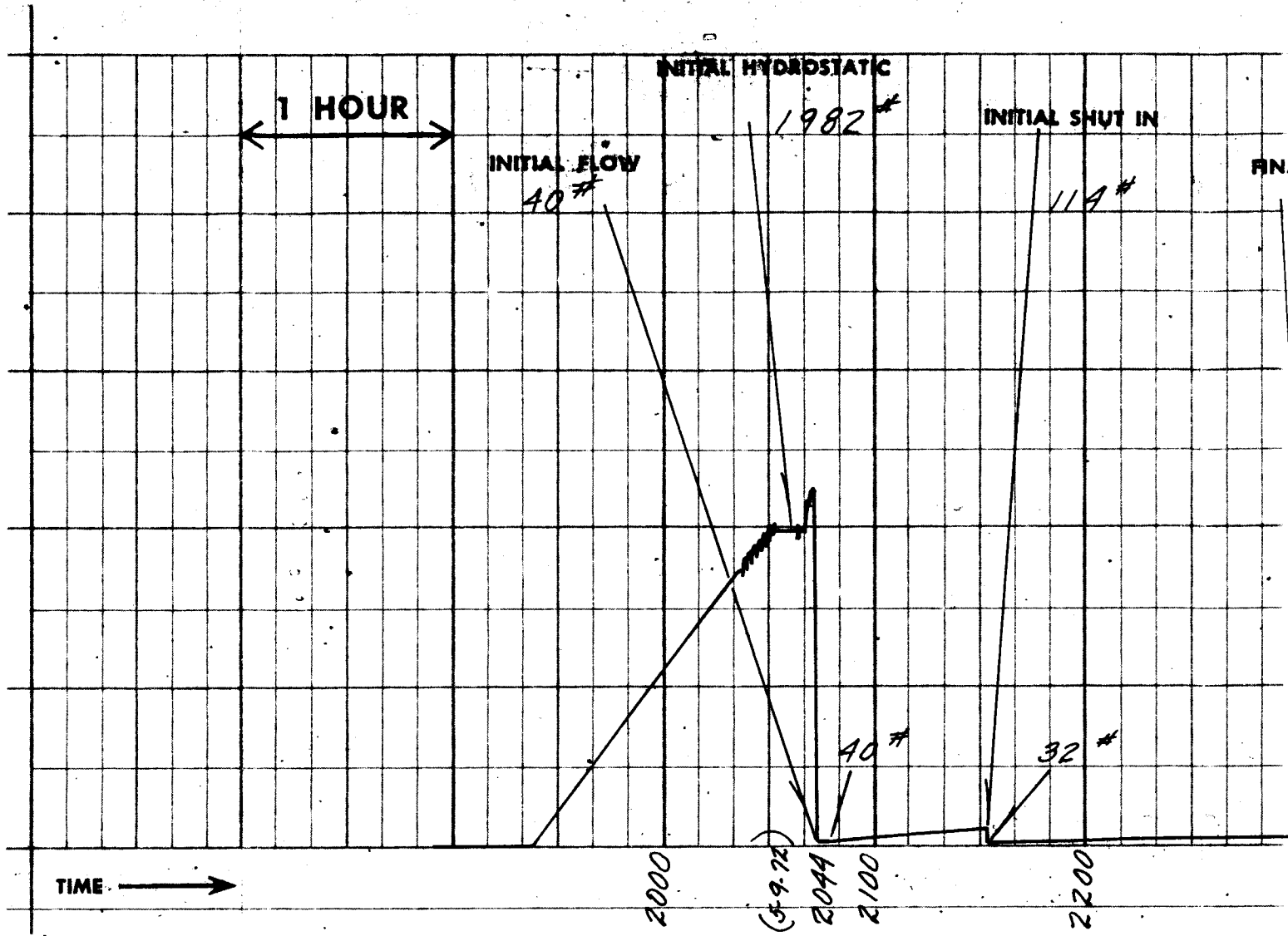
Field Report No. 20934 B

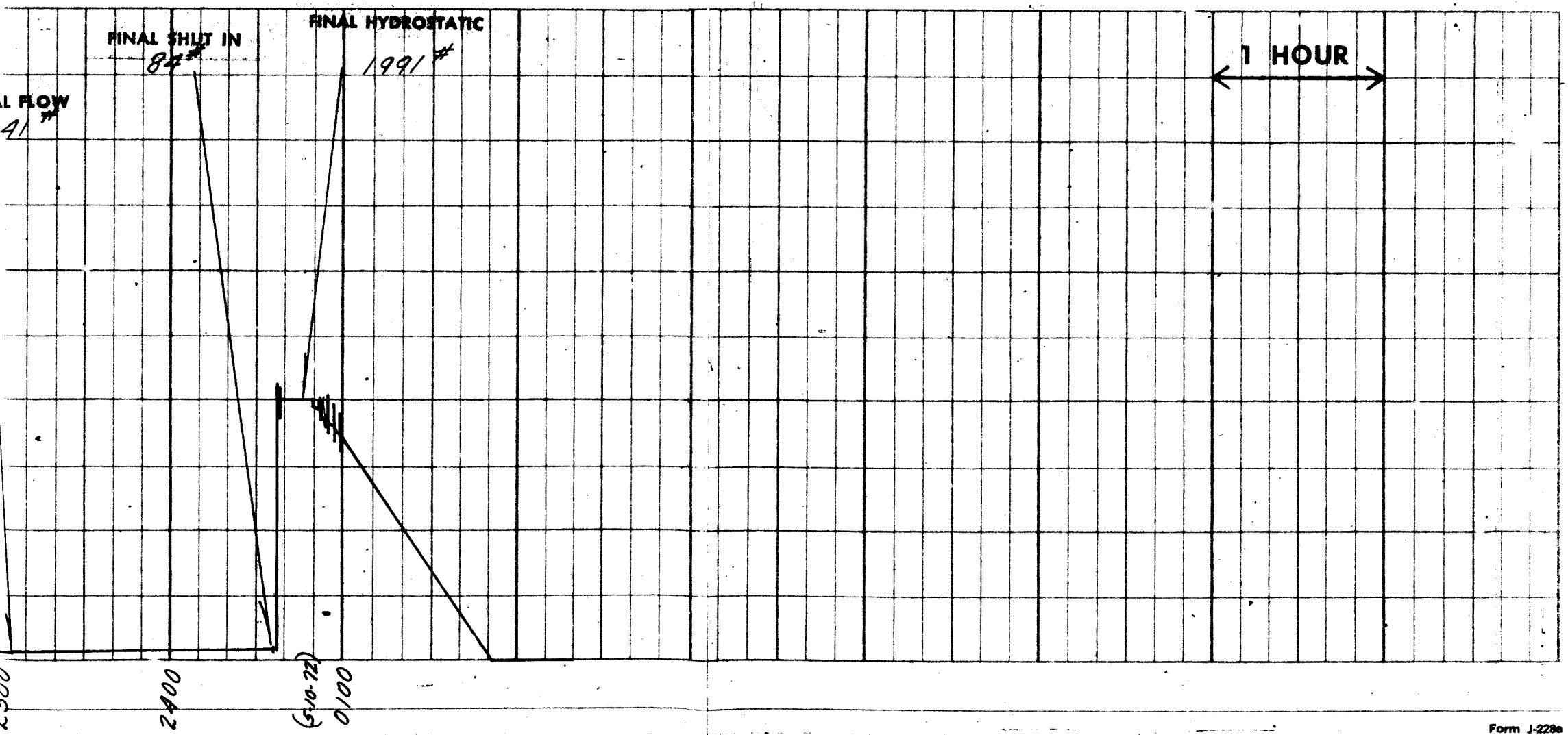
Instrument: Number J-015

Capacity 4700 p.s.i.

Depth 3831 ft.

*a continuous tracing of the original chart




FINAL SHUT IN
84#
FINAL HYDROSTATIC
1991#
L FLOW
91#
1 HOUR
2400
(5-10-72)
0100

Form J-228a

JOHNSTON
...found a better way

SURFACE INFORMATION

Description (Rate of Flow)	Time	Pressure (P.S.I.G.)	Surface Choke
Opened Tool (5-9-72)	2044	-	1/8"
WEAK BLOW, 1" IN WATER			
INCREASING TO BLOW, 6" IN			
WATER			
CLOSED FOR INITIAL SHUT-IN	2048	-	"
FINISHED SHUT-IN	2133	-	"
RE-OPENED TOOL	2135	-	"
WEAK BLOW INCREASING TO			
BLOW, 6" IN WATER IN 25			
MINUTES, THEN DECREASING			
TO BLOW, 1 1/2" IN WATER			
AT END OF FLOW PERIOD.			
CLOSED FOR FINAL SHUT-IN	2305	-	"
(5-10-72)			
FINISHED SHUT-IN	0036	-	"
PULLED PACKER LOOSE	0038	-	"

Cushion Type	Amount	Pressure	Bottom Choke
	-		Size 15/16"

MUD DATA

Mud Type: GEL CHEMICAL Wt.: 9.7
Viscosity: 50 Water Loss: 6.0 C.C.
Resist. of Mud: 3.3 @ 60 °F; of Filtrate: 3.0 @ 60 °F
Chloride Content: 400 PPM

EQUIPMENT & HOLE DATA

Type Test: M. F. E. OPEN HOLE
Formation Tested: DAKOTA
Elevation: 5275 K.B. Ft.
Net Productive Interval: 25 Ft.
Estimated Porosity: - %
All Depths Measured From: KELLY BUSHING
Total Depth: 3881 Ft.
Main Hole/Casing Size: 7 7/8"
Rat Hole/Liner Size: -
Drill Collar Length: 451' I.D. 2.25"
Drill Pipe Length: 3331' I.D. 3.30"
Packer Depth(s): 3811 & 3815 Ft.

MULTI-FLOW EVALUATOR FLUID SAMPLE DATA

Sampler Pressure: 12 P.S.I.G. at Surface
Recovery: Cu. Ft. Gas: -
cc. Oil: -
cc. Water: -
cc. Mud: 2300
Tot. Liquid cc.: 2300
Gravity: - °API @ - °F.
Gas/Oil Ratio: - cu. ft./bbl.

	Resistivity	Chloride Content
Recovery Water	- @ - °F.	- ppm
Recovery Mud	3.3 @ 60 °F.	
Recovery Mud Filtrate	3.0 @ 60 °F.	400 ppm
Mud Pit Sample	3.3 @ 60 °F.	
Mud Pit Sample Filtrate	3.0 @ 60 °F.	400 ppm

RECOVERY DESCRIPTION	FEET	BARRELS	% OIL	% WATER	% OTHERS	API GRAVITY	RESISTIVITY	CHL. PPM
DRILLING MUD	50	.25				@ °F.	3.3 @ 60 °F.	400
						@ °F.	@ °F.	
						@ °F.	@ °F.	
						@ °F.	@ °F.	
						@ °F.	@ °F.	
						@ °F.	@ °F.	
						@ °F.	@ °F.	
						@ °F.	@ °F.	

Remarks:

Address: 1110 DENVER CLUB BUILDING; DENVER, COLORADO 80202

Company: ANSCHUTZ CORPORATION, INC. Field: WILD CAT
Well: ANSCHUTZ 1, FEDERAL #1-262 Location: SEC. 7-T19S-R23E
Test Interval: 3815' TO 3881' Test #: 1 Date: 5-9-72

County: GRAND State: UTAH Field Report No.: 20934 B
Technician: STROTHER (VERNAL) Test Approved By: MR. W. DON QUIGLEY No. Reports Requested: 8xxx

JOHNSTON
...found a better way

PRESSURE DATA

Instrument No.		J-015		
Capacity (P.S.I.G.)		4700		
Instrument Depth		3831'		
Instrument Opening		INSIDE		
Pressure Gradient P.S.I./Ft.				
Well Temperature °F.		131		
Initial Hydrostatic Mud	A	1982		
Initial Shut-in	B	* 114		
Initial Flow	C	40		
	C-1	40		
	C-2	32		
Final Flow	D	41		
Final Shut-in	E	* 84		
Final Hydrostatic Mud	F	1991		

Field Report No. 20934 B

TIME DATA

Time Given	Time Computed
45 Mins.	45 Mins.
4 Mins.	3 Mins.
- Mins.	- Mins.
- Mins.	- Mins.
90 Mins.	92 Mins.
91 Mins.	92 Mins.

Remarks:

**Shut in pressure did not reach static reservoir pressure.*

Clock Travel 0.02112 inches per min.

PRESSURE INCREMENTS

INITIAL SHUT-IN

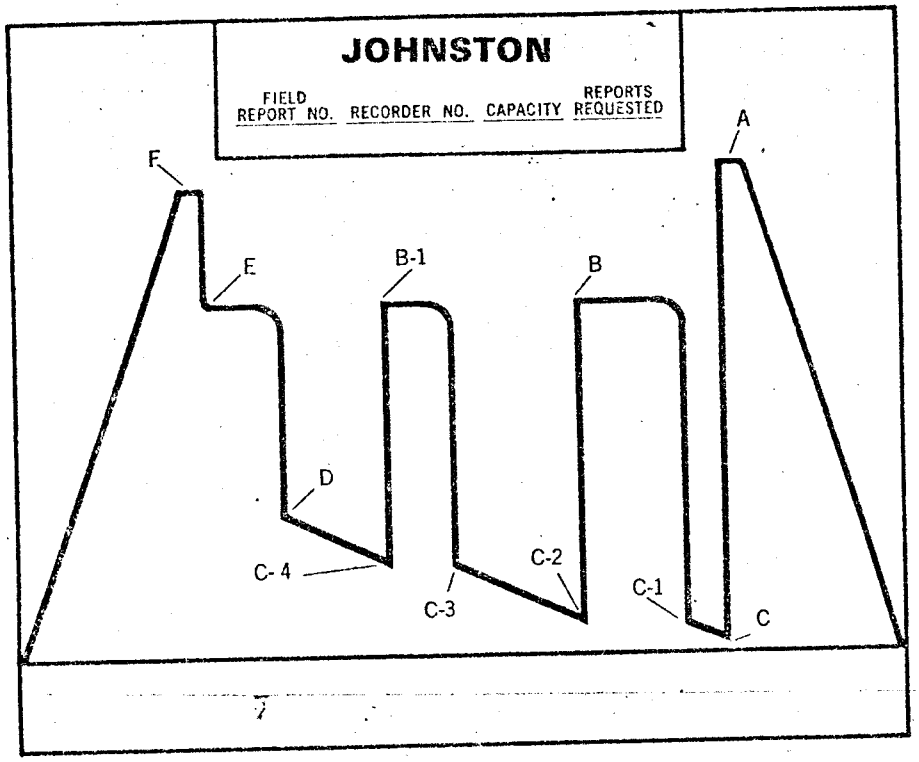
Point Minutes	Pressure	$\frac{T+\Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T+\Delta t}{\Delta t}$
C-1 0	40				
5	59				
10	71				
15	79				
20	86				
25	93				
30	99				
35	104				
40	108				
B 45	114				

FINAL SHUT-IN

Point Minutes	Pressure	$\frac{T+\Delta t}{\Delta t}$
D 0	41	
5	43	
10	46	
15	49	
20	51	
25	53	
30	56	
35	58	
40	61	
45	63	
50	65	
55	68	
60	70	
65	72	
70	75	
75	77	
80	79	
85	81	
90	83	
E 92	84	

JOHNSTON
...found a better way

GUIDE TO IDENTIFICATION OF DRILL STEM TEST PRESSURE CHARTS



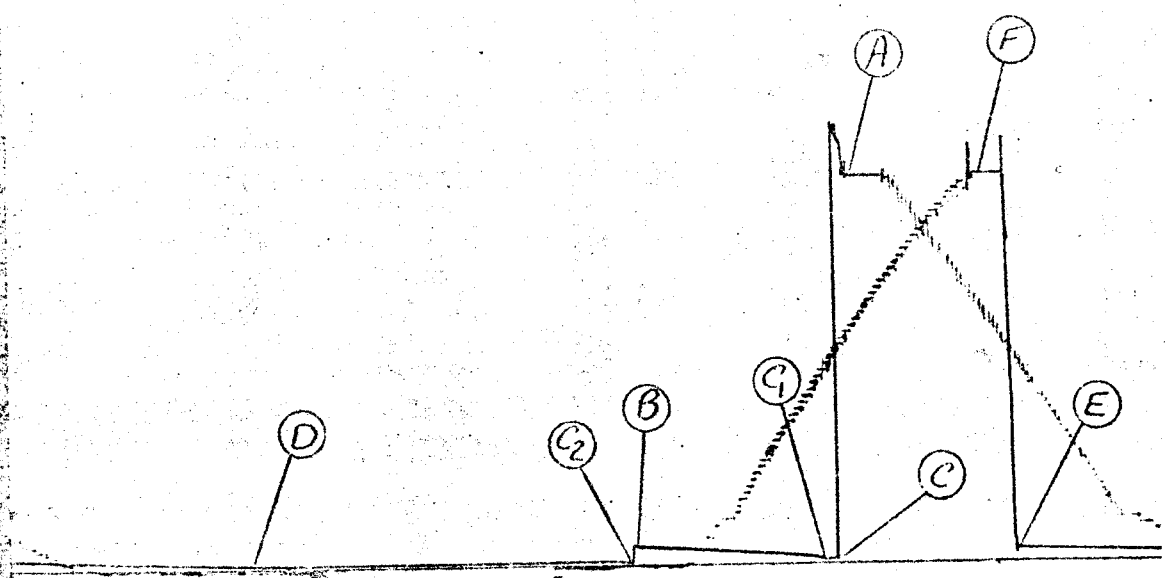
A. Initial Hyd. Mud
B. Initial Shut-in
C. Initial Flow
D. Final Flow
E. Final Shut-in
F. Final Hyd. Mud

The following points are either fluctuating pressures or points indicating other packer settings, (testing different zones).

A-1, A-2, A-3, etc. Initial Hyd. Pressures
B-1, B-2, B-3, etc. Subsequent Shut-in Pressures
C-1, C-2, C-3, etc. Flowing Pressures
D-1, D-2, D-3, etc. Subsequent Final Flow Pressures
E-1, E-2, E-3, etc. Subsequent Final Shut-in Pressures
F-1, F-2, F-3, etc. Final Hyd. Mud Pressures
Z — Special pressure points such as pumping pressure recorded for formation breakdown.

JOHNSTON

FIELD REPORT NO.	RECORDER NO.
20934 B	J-015
CAPACITY	**REPORTS REQUESTED**
4700#	8-



COMPANY ANSCHUTZ CORPORATION, INC. WELL ANSCHUTZ 1, #1-262 FEDERAL TEST NO. 2 COUNTY GRAND STATE UTAH

JOHNSTON

Schlumberger

technical report

F. R. # 20935 B

JOHNSTON

PRESSURE LOG*

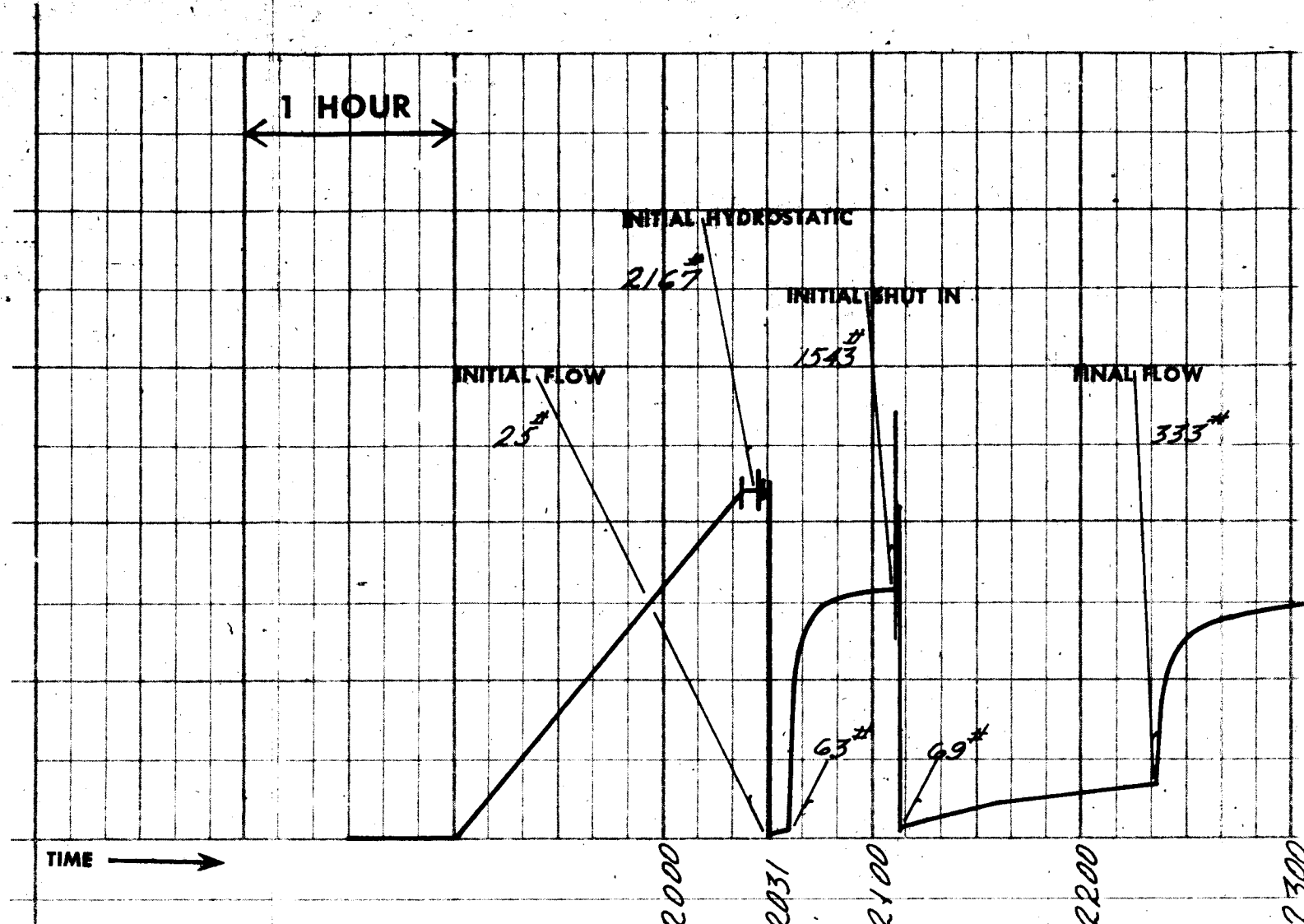
Field Report No. 20935 B

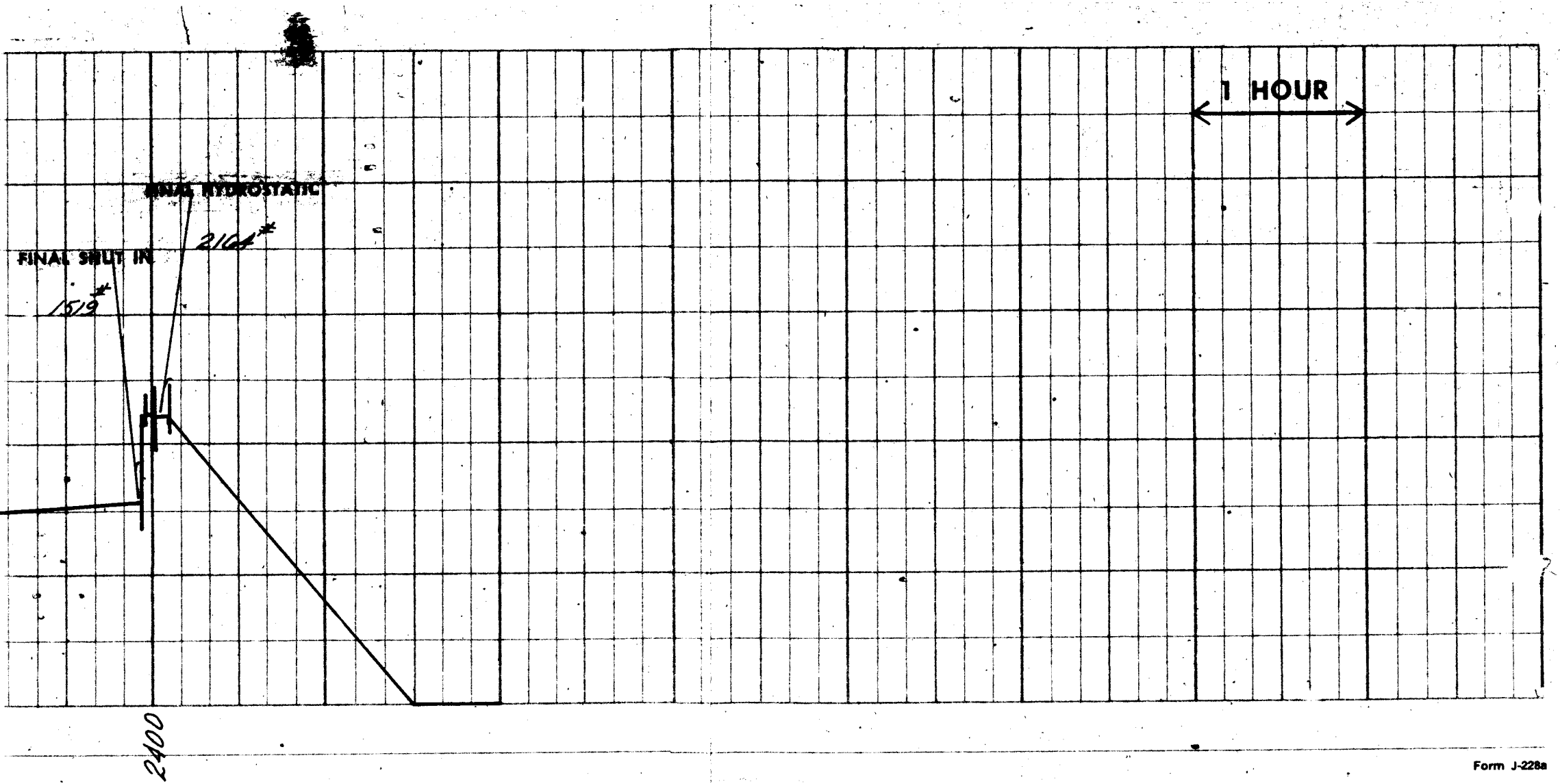
Instrument:
Number J-013

Capacity 4700 p.s.i.

Depth 4266 ft.

*a continuous tracing of the original chart





Form J-228a

JOHNSTON
...found a better way

SURFACE INFORMATION

Description (Rate of Flow)	Time	Pressure (P.S.I.G.)	Surface Choke
Opened Tool	2031	-	1/8"
WEAK BLOW, 2" IN WATER			
CLOSED FOR INITIAL SHUT-IN	2036	-	"
FINISHED SHUT-IN	2106	-	"
RE-OPENED TOOL	2108	-	"
WEAK BLOW, 1" IN WATER			
INCREASING TO BLOW, 14" IN WATER			
CLOSED FOR FINAL SHUT-IN	2223	-	"
FINISHED SHUT-IN	2356	-	"
PULLED PACKER LOOSE	2357	-	"

Cushion Type	Amount	Pressure	Bottom Choke
	-		Size 15/16"

MUD DATA

Mud Type: GEL CHEMICAL Wt.: 9.6
Viscosity: 45 Water Loss: 5.8 C.C.
Resist: of Mud 3.4 @ 60 °F; of Filtrate 3.1 @ 60 °F
Chloride Content: 400 PPM

EQUIPMENT & HOLE DATA

Type Test: M. F. E. OPEN HOLE
Formation Tested: SALT WASH
Elevation: 5275 K.B. Ft.
Net Productive Interval: 16 Ft.
Estimated Porosity: 11 %
All Depths Measured From: KELLY BUSHING
Total Depth: 4291 Ft.
Main Hole/Casing Size: 7 7/8"
Rat Hole/Liner Size: -
Drill Collar Length: 481' I.D. 2.25"
Drill Pipe Length: 3735' I.D. 3.30"
Packer Depth(s): 4250 Ft.

MULTI-FLOW EVALUATOR FLUID SAMPLE DATA

Sampler Pressure: 230 P.S.I.G. at Surface
Recovery: Cu. Ft. Gas: -
cc. Oil: -
cc. Water: 2400
cc. Mud: -
Tot. Liquid cc.: 2400
Gravity: - °API @ - °F.
Gas/Oil Ratio: - cu. ft./bbl.

	RESISTIVITY	CHLORIDE CONTENT
Recovery Water	1.2 @ 60 °F.	3000 ppm
Recovery Mud	- @ - °F.	
Recovery Mud Filtrate	- @ - °F.	- ppm
Mud Pit Sample	3.4 @ 60 °F.	
Mud Pit Sample Filtrate	3.1 @ 60 °F.	400 ppm

RECOVERY DESCRIPTION	FEET	BARRELS	% OIL	% WATER	% OTHERS	API GRAVITY	RESISTIVITY	CHL. PPM
WATER CUT DRILLING MUD	200	2.16				@ °F.	2.2 @ 60 °F.	1000
WATER	520	2.78				@ °F.	1.2 @ 60 °F.	3000
						@ °F.	@ °F.	
						@ °F.	@ °F.	
						@ °F.	@ °F.	
						@ °F.	@ °F.	
						@ °F.	@ °F.	
						@ °F.	@ °F.	

Remarks:

Address: 1110 DENVER CLUB BUILDING; DENVER, COLORADO 80202

Company: ANSCHUTZ CORPORATION, INC. Field: WILD CAT
Well: ANSCHUTZ 1, FEDERAL #1-262 Location: SEC. 7-T19S-R23E
Test Interval: 4250' TO 4291' Test #: 2 Date: 5-12-72

County: GRAND State: UTAH Field Report No.: 20935 B
Technician: STROTHER (VERNAL) Test Approved By: MR. W. DON QUIGLEY No. Reports Requested: 8XXX

JOHNSTON
...found a better way

PRESSURE DATA

Instrument No.		J-013			Field Report No. 20935 B
Capacity (P.S.I.G.)		4700			
Instrument Depth		4266'			
Instrument Opening		INSIDE			
Pressure Gradient P.S.I./Ft.					TIME DATA
Well Temperature °F.		138			

			Time Given	Time Computed
Initial Hydrostatic Mud	A	2167		
Initial Shut-in	B	* 1543	30 Mins.	30 Mins.
Initial Flow	C	25	5 Mins.	5 Mins.
	C-1	63	- Mins.	- Mins.
	C-2	69	- Mins.	- Mins.
Final Flow	D	333	75 Mins.	74 Mins.
Final Shut-in	E	* 1519	93 Mins.	95 Mins.
Final Hydrostatic Mud	F	2164		

Remarks:

**Shut in pressure did not reach static reservoir pressure.*

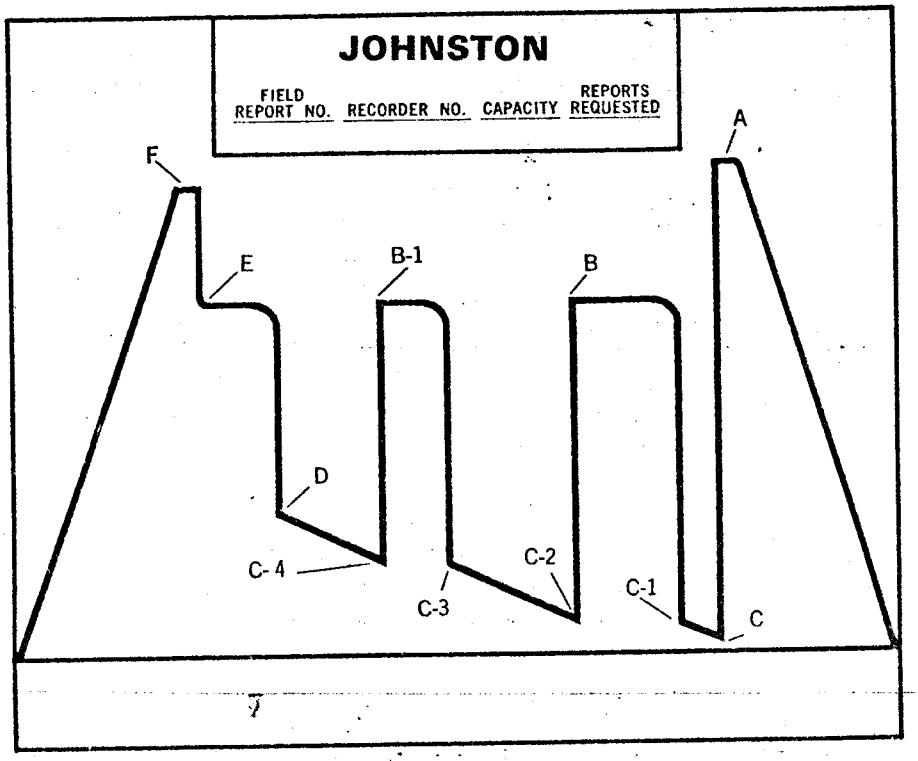
Clock Travel 0.02176 inches per min.

PRESSURE INCREMENTS

INITIAL SHUT-IN						FINAL SHUT-IN		
Point Minutes	Pressure	$\frac{T+\Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T+\Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T+\Delta t}{\Delta t}$
C-1 0	63					D 0	333	
3	1237					5	1155	
6	1396					10	1259	
9	1453					15	1313	
12	1483					20	1351	
15	1501					25	1379	
18	1514					30	1401	
21	1525					35	1420	
24	1532					40	1435	
27	1537					45	1448	
B 30	1543					50	1460	
						55	1470	
						60	1479	
						65	1486	
						70	1493	
						75	1500	
						80	1505	
						85	1510	
						90	1515	
						E 95	1519	

JOHNSTON
...found a better way

GUIDE TO IDENTIFICATION OF DRILL STEM TEST PRESSURE CHARTS



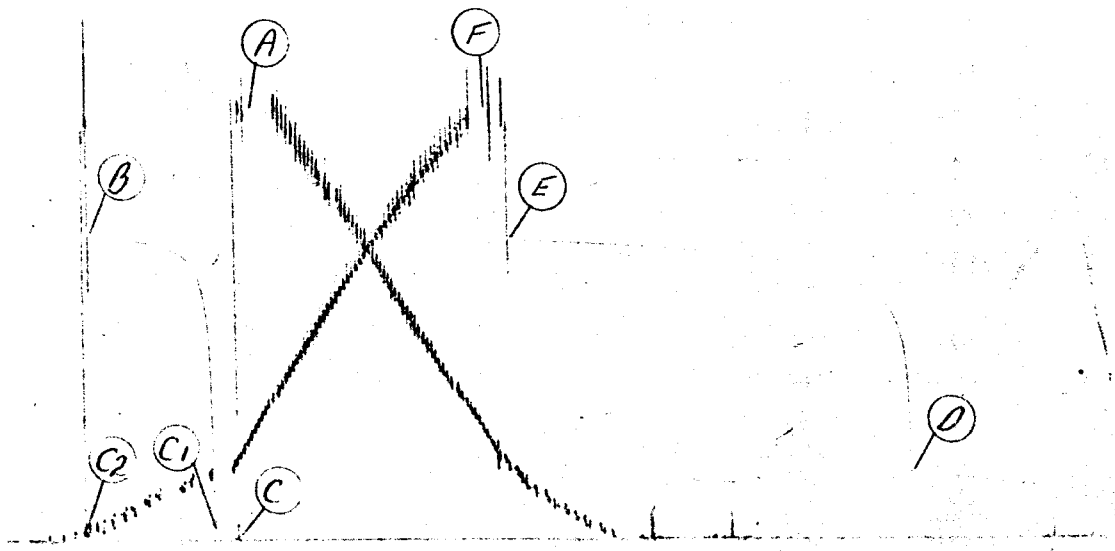
A. Initial Hyd. Mud
B. Initial Shut-in
C. Initial Flow
D. Final Flow
E. Final Shut-in
F. Final Hyd. Mud

The following points are either fluctuating pressures or points indicating other packer settings, (testing different zones).

A-1, A-2, A-3, etc. Initial Hyd. Pressures
B-1, B-2, B-3, etc. Subsequent Shut-in Pressures
C-1, C-2, C-3, etc. Flowing Pressures
D-1, D-2, D-3, etc. Subsequent Final Flow Pressures
E-1, E-2, E-3, etc. Subsequent Final Shut-in Pressures
F-1, F-2, F-3, etc. Final Hyd. Mud Pressures
Z — Special pressure points such as pumping pressure recorded for formation breakdown.

JOHNSTON

FIELD REPORT NO.	RECORDER NO.
20935 B	J-013
CAPACITY	**REPORTS REQUESTED**
4700#	8-



5

JOHNSTON

Schlumberger

technical report

COMPANY ANSCHUTZ CORPORATION, INC. WELL ANSCHUTZ 1, FEDERAL #1-262 TEST NO. 3 COUNTY GRAND STATE UTAH

F. R. # 20936 B

JOHNSTON

PRESSURE LOG*

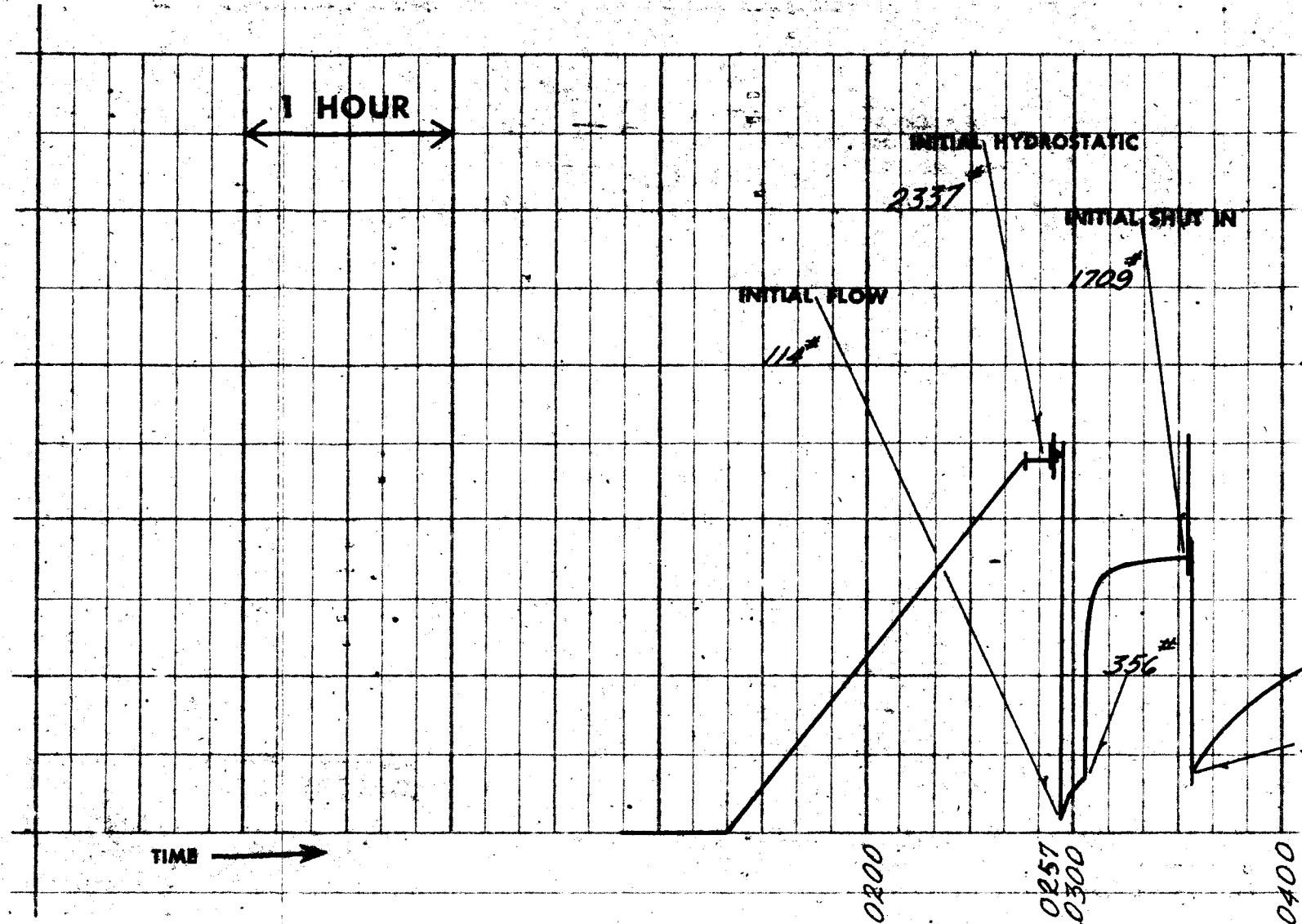
Field Report No. 20936 B

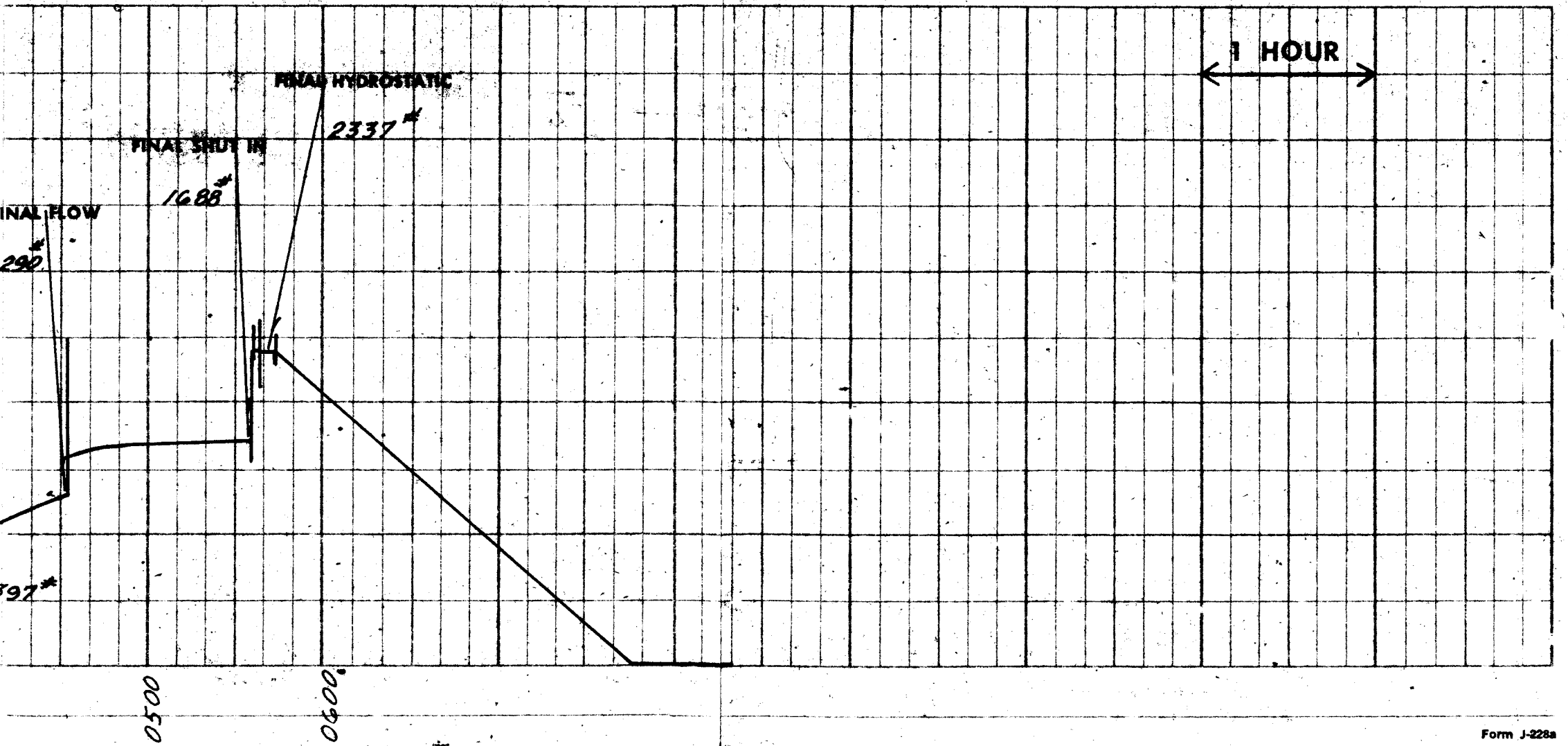
Instrument:
Number J-013

Capacity 4700 p.s.i.

Depth 4585 ft.

*a continuous tracing of the original chart




1 HOUR
FINAL HYDROSTATIC
2337#
FINAL SHUT IN
1688#
INAL FLOW
290#
97#
0500
0600

Form J-228a

JOHNSTON
...found a better way

SURFACE INFORMATION

Description (Rate of Flow)	Time	Pressure (P.S.I.G.)	Surface Choke
Opened Tool	0257	-	-
STRONG BLOW, 14" IN WATER	0258	-	-
CLOSED FOR INITIAL SHUT-IN	0302	-	-
FINISHED SHUT-IN	0332	-	-
RE-OPENED TOOL	0333	-	-
STRONG BLOW, 14" IN WATER			
FOR REMAINDER OF TEST			
CLOSED FOR FINAL SHUT-IN	0433	-	-
PULLED PACKER LOOSE	0536	-	-

Cushion Type	Amount	Pressure	Bottom Choke
	-		Size 15/16"

MUD DATA

Mud Type: GEL CHEMICAL Wt.: 9.7
Viscosity: 50 Water Loss: 5.5 C.C.
Resist: of Mud 2.9 @ 60 °F; of Filtrate 2.6 @ 60 °F
Chloride Content: 450 PPM

EQUIPMENT & HOLE DATA

Type Test: M. F. E. OPEN HOLE
Formation Tested: ENTRADA
Elevation: 5275 Ft.
Net Productive Interval: 40 Ft.
Estimated Porosity: - %
All Depths Measured From: KELLY BUSHING
Total Depth: 4610 Ft.
Main Hole/Casing Size: 7 7/8"
Rat Hole/Liner Size: -
Drill Collar Length: 481' I.D. 2.25"
Drill Pipe Length: 4055' I.D. 3.30"
Packer Depth(s): 4566 & 4570 Ft.

MULTI-FLOW EVALUATOR FLUID SAMPLE DATA

Sampler Pressure: 175 P.S.I.G. at Surface
Recovery: Cu. Ft. Gas: -
cc. Oil: -
cc. Water: 2490
cc. Mud: -
Tot. Liquid cc.: 2490
Gravity: - °API @ - °F.
Gas/Oil Ratio: - cu. ft./bbl.

	RESISTIVITY	CHLORIDE CONTENT
Recovery Water	.95 @ 60 °F.	5000 ppm
Recovery Mud	- @ - °F.	
Recovery Mud Filtrate	- @ - °F.	- ppm
Mud Pit Sample	2.9 @ 60 °F.	
Mud Pit Sample Filtrate	2.6 @ 60 °F.	450 ppm

RECOVERY DESCRIPTION	FEET	BARRELS	% OIL	% WATER	% OTHERS	API GRAVITY	RESISTIVITY	CHL. PPM
DRILLING MUD	200	2.16				@ °F.	1.8 @ 60 °F.	800
WATER	2745	26.81				@ °F.	.95 @ 60 °F.	5000
						@ °F.	@ °F.	
						@ °F.	@ °F.	
						@ °F.	@ °F.	
						@ °F.	@ °F.	
						@ °F.	@ °F.	
						@ °F.	@ °F.	

Remarks:

Address: 1110 DENVER CLUB BUILDING; DENVER, COLORADO 80202

Company: ANSCHUTZ CORPORATION, INC. Field: WILD CAT
Well: ANSCHUTZ 1, FEDERAL #1-262 Location: SEC. 7-T19S-R23E
Test Interval: 4570' TO 4610' Test #: 3 Date: 5-15-72

County: GRAND State: UTAH Field Report No.: 20936 B
Technician: STROTHER (VERNAL) Test Approved By: MR. W. DON QUIGLEY No. Reports Requested: 8XXX

JOHNSTON
...found a better way

PRESSURE DATA

Instrument No.		J-013			
Capacity (P.S.I.G.)		4700			
Instrument Depth		4585'			
Instrument Opening		INSIDE			
Pressure Gradient P.S.I./Ft.					
Well Temperature °F.		151			
Initial Hydrostatic Mud	A	2337			
Initial Shut-in	B	* 1709			
Initial Flow	C	114			
	C-1	356			
	C-2	397			
Final Flow	D	1290			
Final Shut-in	E	* 1688			
Final Hydrostatic Mud	F	2337			

Field Report No. 20936 B

TIME DATA

Time Given	Time Computed
30 Mins.	30 Mins.
5 Mins.	6 Mins.
- Mins.	- Mins.
- Mins.	- Mins.
60 Mins.	59 Mins.
63 Mins.	63 Mins.

Remarks:

**Shut in pressure did not reach static reservoir pressure.*

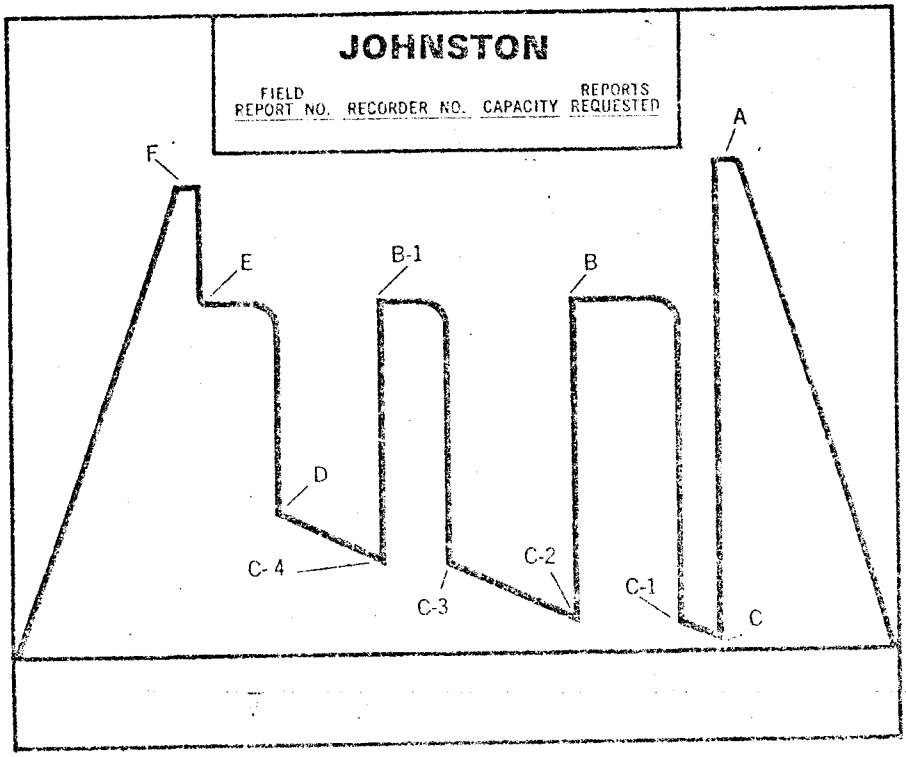
Clock Travel 0.02138 inches per min.

PRESSURE INCREMENTS

INITIAL SHUT-IN						FINAL SHUT-IN		
Point Minutes	Pressure	$\frac{T+\Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T+\Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T+\Delta t}{\Delta t}$
C-1 0	356					D 0	1290	
3	1548					5	1618	
6	1625					10	1640	
9	1656					15	1653	
12	1674					20	1661	
15	1686					25	1667	
18	1693					30	1672	
21	1698					35	1676	
24	1703					40	1678	
27	1706					45	1681	
B 30	1709					50	1684	
						55	1686	
						60	1688	
						E 63	1688	

JOHNSTON
...found a better way

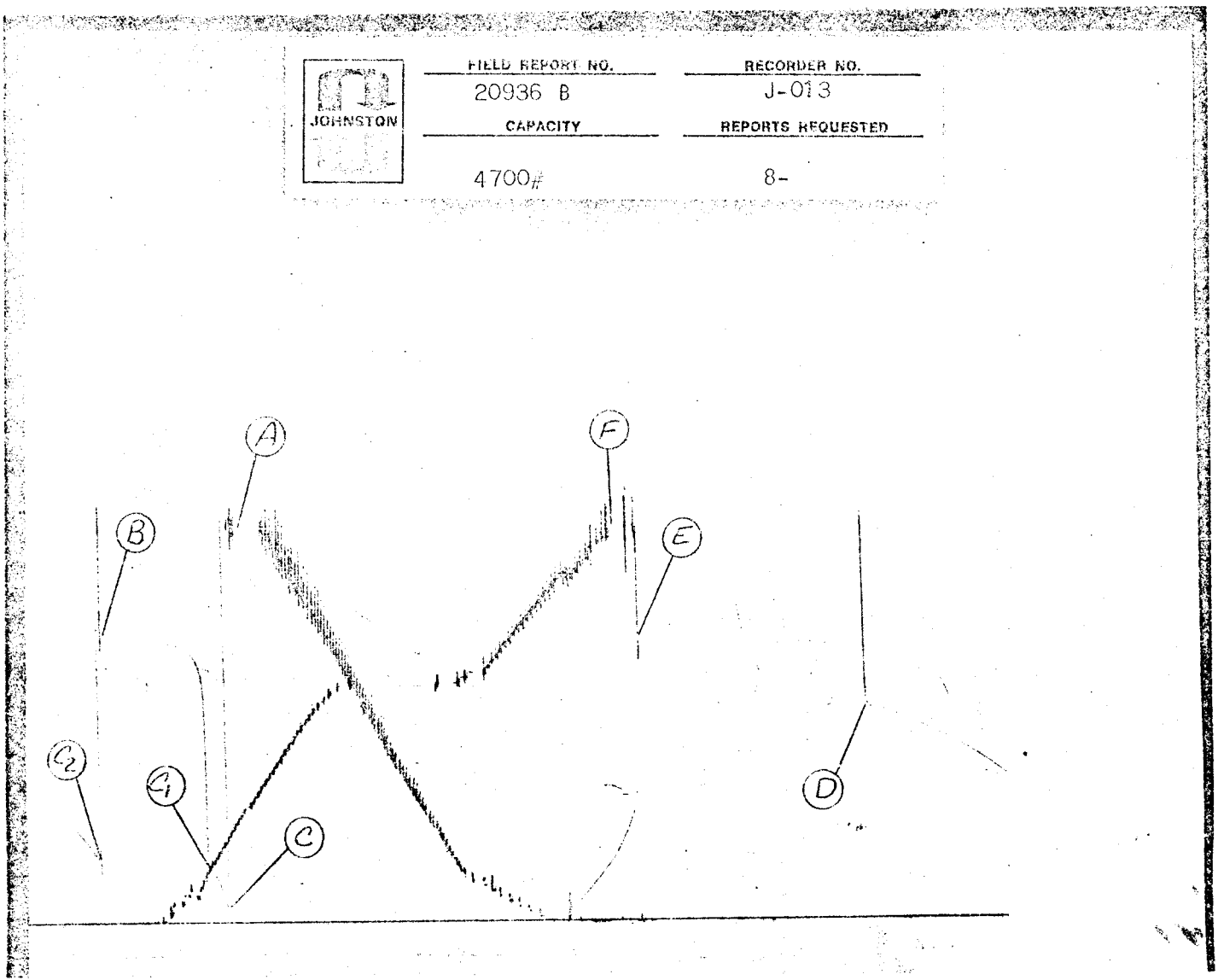
GUIDE TO IDENTIFICATION OF DRILL STEM TEST PRESSURE CHARTS



A. Initial Hyd. Mud
B. Initial Shut-in
C. Initial Flow
D. Final Flow
E. Final Shut-in
F. Final Hyd. Mud

The following points are either fluctuating pressures or points indicating other packer settings, (testing different zones).

A-1, A-2, A-3, etc. Initial Hyd. Pressures
B-1, B-2, B-3, etc. Subsequent Shut-in Pressures
C-1, C-2, C-3, etc. Flowing Pressures
D-1, D-2, D-3, etc. Subsequent Final Flow Pressures
E-1, E-2, E-3, etc. Subsequent Final Shut-in Pressures
F-1, F-2, F-3, etc. Final Hyd. Mud Pressures
Z — Special pressure points such as pumping pressure recorded for formation breakdown.



G/P1

Amsultz – Cecil "A" Fed. 262 #1
Mel. Dm ; checked Elect. logs sec 7 T19S
R23E
Pulug set 5/16/72 (11:AM)

1) 40 sks @ 4600 – 4500 – Top of Entrada
2) 35 sks 4300 – 4200 – Top of Red Wall
3) 35 sks 3900 – 3800 – Top of Dakota
4) 35 sks 350 – 250 – Bottom of Casing
5) 5 sks – Top of surface Casing / marker

THE ANSCHUTZ CORPORATION, INC.

1110 DENVER CLUB BUILDING
518 SEVENTEENTH STREET
DENVER, COLORADO 80202
TELEPHONE 266-2367

PI

May 16, 1972

Re: Anschutz #1 Federal-262
NE SW Sec.7-19S-23E
Grand County, Utah

Mr. Gerald R. D niels
U.S. Geological Survey
8416 Federal Building
Salt Lake City, Utah 84111

Dear Mr. Daniels:

Transmitted herwith in triplicate is the NOTICE OF INTENT TO PLUG AND ABANDON (Form 9331) on the captioned well.

Yours very truly,

THE ANSCHUTZ CORPORATION, INC.

Robert M. Wakefield

Robert M. Wakefield
Geologist

/j
Encls.

cc: Mr. Cleon B. Feight
Oil & Gas Conservation Commission
1588 West North Temple
Salt Lake City, Utah

Form 9-331
(May 1963)

U ED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRI TE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.
Federal U-14262

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL ☐ GAS WELL ☒ OTHER

7. UNIT AGREEMENT NAME

2. NAME OF OPERATOR
THE ANSCHUTZ CORPORATION, INC.

8. FARM OR LEASE NAME
Federal-262

3. ADDRESS OF OPERATOR
1110 Denver Club Building, Denver, Colo. 80202

9. WELL NO.
1

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface NE¼ SW¼ Sec.7 2183' NSL 1307' EWL

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
7-19S-23E

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
5275' KB 5265' GL

12. COUNTY OR PARISH: Grand

13. STATE: Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	☐	PULL OR ALTER CASING	☐	WATER SHUT-OFF	☐	REPAIRING WELL	☐
FRACTURE TREAT	☐	MULTIPLE COMPLETE	☐	FRACTURE TREATMENT	☐	ALTERING CASING	☐
SHOOT OR ACIDIZE	☐	ABANDON*	☒	SHOOTING OR ACIDIZING	☐	ABANDONMENT*	☐
REPAIR WELL	☐	CHANGE PLANS	☐	(Other)			☐
(Other)			☐				

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

This well was drilled to a total depth of 4680' in the Entrada formation. IES-GR Density and CNL logs were run to total depth. The Dakota tested mud, and the Salt Wash and Entrada sands tested water. It is our intent to plug and abandon the well setting plugs as follows:

CEMENT	DEPTH
10 sx	Surface with marker
35 sx	250-350' Across base of casing @ 290'
35 sx	3800-3900' (Dakota)
35 sx	4200-4300' (Salt Wash)
40 sx	4500-4600' (Entrada)

APPROVED BY DIVISION OF
OIL & GAS CONSERVATION

DATE 5-19-72

BY Paul W. Burchell

Discussed program with Don Quigley 5/16/72 on field

18. I hereby certify that the foregoing is true and correct

SIGNED Robert M. Wakefield TITLE Geologist DATE May 16, 1972

Robert M. Wakefield

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

Form 9-330
(Rev. 5-63)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*
(See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ DRY ☒ Other

b. TYPE OF COMPLETION: NEW WELL XX WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other

2. NAME OF OPERATOR
THE ANSCHUTZ CORPORATION, INC.

3. ADDRESS OF OPERATOR
1110 Denver Club Building, Denver, Colo. 80202

4. LOCATION OF WELL (*Report location clearly and in accordance with any State requirements*)*
At surface NE¼ SW¼ Sec.7 2183' NSL 1307' WEL
At top prod. interval reported below
At total depth

5. LEASE DESIGNATION AND SERIAL NO.
Federal U-14262

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Federal-262

9. WELL NO.
1

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
7-19S-23E

14. PERMIT NO. | DATE ISSUED 4-28-72

12. COUNTY OR PARISH: Grand | 13. STATE: Utah

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (*Ready to prod.*)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD
4-29-72	5-15-72	P&A 5-16-72	5275' KB 5265' GL	

20. TOTAL DEPTH, MD & TVD	21. PLUG, BACK T.D., MD & TVD	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
4680'			→	0-4680'	

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
NONE

25. WAS DIRECTIONAL SURVEY MADE
NO

26. TYPE ELECTRIC AND OTHER LOGS RUN
IES-GR Density W/caliper, CNL (Transmitted by logginc Co.

27. WAS WELL CORED
NO

28. CASING RECORD (*Report all strings set in well*)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24	290' KB	12¼"	275 sx.Circ. to surf.	NONE

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (*Interval, size and number*)

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (*Flowing, gas lift, pumping—size and type of pump*)	WELL STATUS (*Producing or shut-in*)

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)

34. DISPOSITION OF GAS (*Sold, used for fuel, vented, etc.*)

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Robert M. Wakefield TITLE Geologist DATE May 17, 1972

Robert M. Wakefield

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.
If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.
Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.
Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.
Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.
Item 29: *"Sacks Cement":* Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.
Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES:
SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
			There were no cores. DST #1: 3815-3881' (Dakota) Open 4, ISI 30, open 90, SI 91 Reocvered: 50' Mud, no shows. FP 34-36 SIP 102-73 HP 1957-1957 DST #2: 4250-4291' (Salt Wash) Open 5, ISI 30, open 75, SI 74 Recovered: 200' Water cut mud, no shows. 520' Water FP 69-325 SIP 1557-1519 HP 2165' DST #3: 4570-4610' (Entrada) Open 5, SI 30, open 60, SI 60 Recovered: 200' Muddy water,no shows. 2745' Water FP337-1304 SIP 1706-1697 HP 2304-2304

38. GEOLOGIC MARKERS

NAME	TOP MEAS. DEPTH	TOP TRUE VERT. DEPTH
Mancos	Surface	
Dakota Silt	3711'	
Dakota Fm	3780'	
Dakota ss	3830'	
Morrison	4002'	
Salt Wash	4250'	
Summerville	4502'	
Entrada	4568'	
Total Depth	4680'	

MAY 22 1972

U.S. GOVERNMENT PRINTING OFFICE: 1963—O-683636

PI

FORM OGC-8-X
FILE IN QUADRUPLICATE

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL & GAS CONSERVATION
1588 West North Temple
Salt Lake City, Utah 84116

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number #1 Federal-262

Operator THE ANSCHUTZ CORPORATION, INC. Address 1110 Denver Club Building Denver, Colo. 80202 Phone 266-2367

Contractor Circle "A" Drilling Address Same as above Phone 222-2894

Location NE 1/4 SW 1/4 Sec. 7 T. 19 ~~N~~ S R. 23 E ~~W~~ Grand County, Utah.

Water Sands:

	Depth: From- To-	Volume: Flow Rate or Head-	Quality: Fresh or Salty-
1.	Salt Wash 4250-60'	DST 520' in 75 min. FP 325 SIP 1550	3000 ppm Chloride
2.	Entrada 4568-4680'	DST 2745' in 60 min. FP 1304 SIP 1700	5000 ppm " "
3.			
4.			
5.			

(Continue on reverse side if necessary)

Formation Tops:

Mancos surface	5275' KB
Dakota sand	3830'
Morrison	4002'
Salt Wash ss	4250'
Summerville	4502'
Entrada	4568'

Remarks:

No shallow water sands. Well spudded in Mancos Shale.

NOTE: (a) Upon diminishing supply of forms, please inform this office.
(b) Report on this form as provided for in Rule C-20, General Rules and Regulations and Rules of Practice and Procedure, (See back of this form)
(c) If a water analysis has been made of the above reported zone, please forward a copy along with this form.