

Latitude 39° 30'

7000W
13900S

2.65 S
1.35 W

Longitude 81° 05'

- Fracture....
- Redrill....
- New Location.
- Drill Deeper....
- Abandonment.....

Source of Elevation U.S.G.S. B.M. E-131, Elev. 654.309 on bridge over Bens Run on Arville Road

I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia.

Minimum accuracy, one part in 2000

Company F M C CORPORATION
 Address 533 5th Ave., New York 17, N.Y.
 Farm F.M.C. CORPORATION
 Tract _____ Acres 372.76 Lease No. _____
 Well (Farm) No. FMC 10 Serial No. _____
 Elevation (Spirit Level) 663.0
 Quadrangle St. Marys NC
 County Pleasants District Union
 Surveyor or Engineer Arden S Marshall
 Surveyor's or Engineer's Registration No. 3
 File No. _____ Drawing No. _____
 Date APRIL 17, 1972 Scale 1" = 300 Ft.

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON

WELL LOCATION MAP
 FILE NO. Pleas - 679

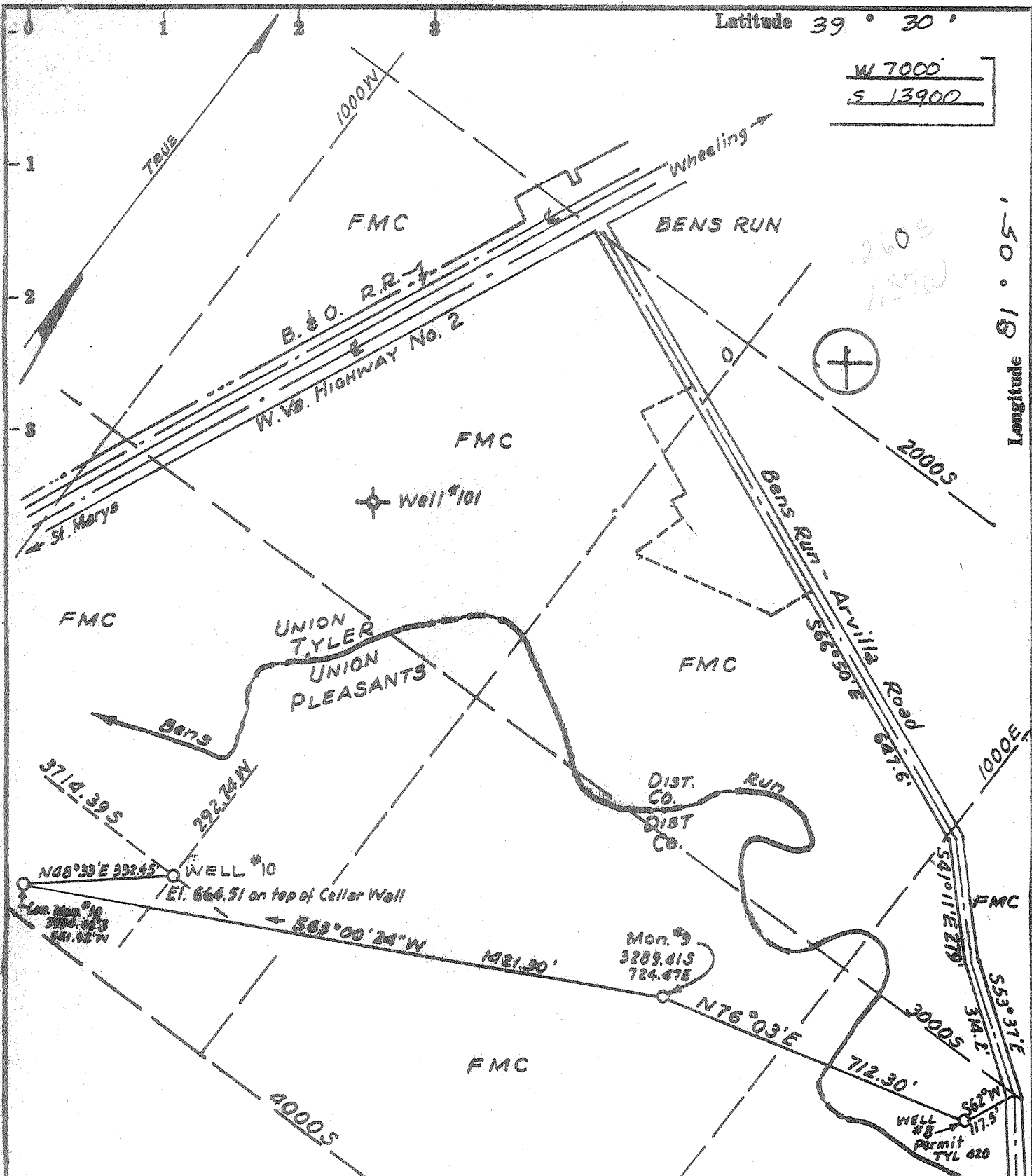
+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

— Denotes one inch spaces on border line of original tracing.

3-0 (Salt brine) 9-0 3-9 Bens Run (80)

Deep Well (Tuscarora)

JUN 16 1972



- Fracture.....
- Redrill.....
- New Location.
- Drill Deeper.....
- Abandonment.....

Source of Elevation Bens Run on Arville Road
 U.S.G.S. BM E-131, El. 654.309 on bridge over Bens Run on Arville Road

I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia.

Minimum accuracy, one part in 2000

Company	FMC CORPORATION		
Address	333 - 3rd AVE., NEW YORK, N.Y.		
Farm	FMC Corporation		
Tract	Acres	372.76	Lease No.
Well (Farm) No.	FMC 10	Serial No.	
Elevation (Spirit Level)	664.51		
Quadrangle	St. Marys NC		
County	Pleasants	District	Union
Surveyor or Engineer	Corden L. Marshall, Jr.		
Surveyor's or Engineer's Registration No.	3		
File No.	Drawing No.		
Date	July 10, 1972 Scale 1" = 300 Ft.		

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON

WELL LOCATION MAP
 FILE NO. PLE-679 Revised

+ Denotes location of well on United States Topographic Map, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

— Denotes one inch spaces on border line of original tracing.

Deep Well APR 23 1973



RECEIVED
APR 13 1973

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

OIL & GAS DIVISION
DEPT. OF MINES

Oil and Gas Division

WELL RECORD

Rotary Oil
Cable _____ Gas
Recycling _____ Comb.
Water Flood _____ Storage
Disposal _____ Salt
(Kind)

Quadrangle St. Marys

Permit No. Pleas-679

Company <u>FMC Corporation, Inorganic Chemicals Div.</u>			
Address <u>P. O. Box 8127, South Charleston, W. Va.</u>	Casing and Tubing	Used in Drilling	Left in Well
Farm <u>Earl & Rosalene Wells</u> Acres <u>372.76</u>			Cement fill up Cu. ft. (Sks.)
Location (waters) <u>Bens Run</u>			
Well No. <u>10</u>	681.5 K.B. Size Elev. 664.5 G.L. 20-16		
District <u>Union</u> County <u>Pleasants</u>	Cond. <u>16"</u>	<u>140</u>	<u>140</u>
The surface of tract is owned in fee by <u>FMC Corporation</u>	<u>13-10"</u>	<u>1744</u>	<u>1744</u>
Address <u>Same as above</u>	<u>9 5/8</u>		
Mineral rights are owned by <u>FMC Corporation</u>	<u>8 5/8</u>		
Address _____	<u>7 7-5/8</u>	<u>6473</u>	<u>6473</u>
Drilling Commenced <u>July 12, 1972</u>	<u>5 1/2</u>		
Drilling Completed <u>August 11, 1972</u>	<u>4 1/2</u>		
Initial open flow _____ cu. ft. _____ bbls.	<u>3</u>		
Final production _____ cu. ft. per day _____ bbls.	<u>2</u>		
Well open _____ hrs. before test _____ RP.	Liners Used		

Well treatment details:

Attach copy of cementing record.

	Drilling Media
Note: Formation Description	250-1750 Fluid
<u>0-5350 driller's log</u>	<u>1750-6229 Air</u>
<u>5350-6350 electric log</u>	<u>6229-7858 Fluid</u>
<u>6350-7876 electric log and samples</u>	

Coal was encountered at 812-816 Feet _____ Inches _____
Fresh water _____ Feet _____ Salt Water _____ Feet _____
Producing Sand _____ Depth _____

From Samples & Nuclear Log Run #2

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Sand and shale			0	1218		
Greenbrier (Big Lime)			1218	1268		
Sandstone, Shale, Siltstone			1268	1889		Base of Mississippi system
Shale and Siltstone			1889	5350		Top of Devonian system
Marcellus			5350	5402		
Onondaga			5402	5594		
Oriskany			5594	5662		
Helderberg			5662	5873		Base of Devonian system
Bass Island			5873	6040		Top of Silurian system - Cayugan Series
Salina			6040	6252		Top of Salina group
Salt Section			6252	6385		
Salina			6385	6773		
Williamsport (few sand grains)			6773	6782		Base of Cayugan series and Salina group
Lockport			6782	7238		Top of Niagarin series
Keefer			7238	7264		
Siltstone and Shale			7264	7314		Top of Clinton group = Rose Hill
Red Shale			7314	7448		
Gray Shale			7448	7525		
Dolomite and Siltstone			7525	7546		
Red Shale			7546	7604		
Siltstone			7604	7636		
Packer Shell			7636	7651		
Gray Shale			7651	7668		
Red Shale and Some Sand			7668	7698		Base of Niagarin series and Clinton group

6773
682
6091
1218
682
533

(over)

* Indicates Electric Log tops in the remarks section.

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Clinton Sand - Tuscarora			7698	7794		Top of Medinan series
Gray Shale			7794	7827		
Whirlpool Sand			7827	7837		Base of Silurian system and Medinan series
Red Shale - Juniata			7837	7876		Top of Ordovician system
T.D. (logger)			7876			
T.D. (driller)			7858			

*Sample depths approximately 15 feet higher than electric log depths.

$$\begin{array}{r} 7837 \\ 682 \\ \hline 7155 \end{array}$$

$$\begin{array}{r} 7698 \\ 662 \\ \hline 7016 \end{array}$$

6640 expl. ft.

Date April 12 19 73

APPROVED FMC Corporation Owner
 By Doy K. Hartwell
 Project Engineer
 (Title)



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED
JUN 6 1972
OIL & GAS DIVISION
DEPT. OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES,

Charleston, W. Va.

Surface Owner	<u>FMC Corporation</u> <u>Inorganic Chemicals Division</u>	DATE	<u>June 1, 1972</u>
Address	<u>P.O. Box 8127, South Charleston, W. Va.</u>	Company	<u>FMC Corporation</u> <u>Inorganic Chemicals Division</u>
Mineral Owner	<u>FMC Corporation</u>	Address	<u>P.O. Box 8127</u> <u>South Charleston, W. Va. 25303</u>
Address	<u>Same as above</u>	Farm	<u>FMC Corporation</u> Acres <u>372.76</u>
Coal Owner	<u>None</u>	Location (waters)	<u>Bens Run, Ohio River</u>
Address		Well No.	<u>10</u> Elevation <u>663.0</u>
Coal Operator	<u>None</u>	District	<u>Union</u> County <u>Floasants</u>
Address		Quadrangle	<u>St. Marys - Bens Run</u>

THIS PERMIT MUST BE POSTED AT THE WELL SITE

All provisions being in accordance with Chapter 22, of the W. Va. Code, the location is hereby approved for drilling. This permit shall expire if operations have not commenced by Oct. 6, 1972.

Arthur K. Foad
Deputy Director - Oil & Gas Division

INSPECTOR TO BE NOTIFIED Arthur Null
Hundred, W. Va. PH: 775-5611

GENTLEMEN:

The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee title thereto, (or as the case may be) under deed grant or lease dated April 10 1958 by Bert and Rosalene Wells made to Food Machinery & Chemical Corporation (now FMC Corporation) and recorded on the 24 day of April 1958, in Floasants County, Book 147 Page 78

NEW WELL _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE
_____ OIL AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1969.

The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operators have been notified as of the above date.

The above named coal owners and/or operator are hereby notified that any objection they wish to make, or are required to make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days. *

Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operators or coal owners at their above shown respective address _____ day _____ before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

Very truly yours, FMC Corporation, Inorganic Chemicals
(Sign Name) Doyle K. Eastwell Div. Project Engineer
Well Operator

Address of Well Operator
P. O. Box 8127
Street
South Charleston
City or Town
West Virginia 25303
State

*SECTION 3 If no objections are filed or found by the Department of mines, within said period of ten days from the receipt of notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit reciting the filing of such plat, that no objections have been made by the coal operators or found thereto by the department and that the same is approved and the well operator authorized to proceed.

CASH DEPOSIT
HELD BY TREASURER

PLEAS-679 PERMIT NUMBER

**THIS IS AN ESTIMATE ONLY
ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION**

PROPOSED WORK ORDER TO X DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) RESPONSIBLE AGENT:
 NAME Lohmann & Johnson Drilling Co., Inc. NAME S. E. Fritchard
 ADDRESS 1302 Old National Bank Building ADDRESS Box A, Bens Run, W. Va. 26135
 TELEPHONE Evansville, Indiana 47708 TELEPHONE 652-3731
 ESTIMATED DEPTH OF COMPLETED WELL: 6,400 ft. ROTARY X CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Salt - Silurian
 TYPE OF WELL: OIL _____ GAS _____ COMB. _____ STORAGE _____ DISPOSAL _____
 RECYCLING _____ WATER FLOOD _____ OTHER Salt

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.
20 - 16	150'	150'	75 sacks
13 - 10 3/4	1,750'	1,750'	620 sacks
9 - 5/8			
8 - 5/8			
7 - 5/8	6,400'	6,400'	775 sacks
5 1/2			
4 1/2			
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS _____ FEET SALT WATER _____ FEET
 APPROXIMATE COAL DEPTHS 830 feet (3 to 6 feet thick)
 IS COAL BEING MINED IN THE AREA? No BY WHOM? _____

TO DRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, \$100.00 PERMIT FEE, PERFORMANCE BOND AND PERMANENT COPY OF PLAT.

TO DRILL DEEPER OR REDRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, SHOWING ORIGINAL PERMIT NUMBER AND PERFORMANCE BOND. ON WELLS DRILLED PRIOR TO 1929, A PERMANENT COPY OF THE PLAT AND THE ORIGINAL WELL RECORD MUST ALSO BE SUBMITTED.

TO FRACTURE - STIMULATE:

OIL AND/OR GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1929, FIVE (5) COPIES OG - 1, PERFORMANCE BOND, PERMANENT PLAT AND ORIGINAL WELL RECORD.

OIL AND/OR GAS WELL ORIGINALLY DRILLED ON AND/OR AFTER JUNE 5, 1929, FIVE COPIES OG - 1, SHOWING ORIGINAL PERMIT NUMBER, AND PERFORMANCE BOND.

Required forms must be filed within ninety (90) days of completion for bond release. Inspector to be notified twenty-four (24) hours in advance.

The following waiver must be completed by the coal operator if the permit is to be issued within ten days of receipt thereof.

WAIVER: I the undersigned, Agent for _____ Coal Company, Owner or Operator of the coal under this lease have examined and place on our mine maps this proposed well location.

We the _____ Coal Company have no objections to said well being drilled at this location, providing operator has complied with all rules and regulations in Articles 4, 5, and 7, Chapter 22 of the West Virginia Code.

For Coal Company

Official Title

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE. ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

None	FMC Corporation
COAL OPERATOR OR OWNER	Inorganic Chemicals Division
	NAME OF WELL OPERATOR
	P.O. Box 8127, South Charleston, W. Va. 25303
ADDRESS	COMPLETE ADDRESS
	19
COAL OPERATOR OR OWNER	WELL AND LOCATION
	Union District
ADDRESS	
	Pleasants County
LEASE OR PROPERTY OWNER	
	Well No. 10
ADDRESS	FMC Corporation Farm

STATE INSPECTOR SUPERVISING PLUGGING.....

AFFIDAVIT

STATE OF WEST VIRGINIA,

County of Pleasant } SS:

H. E. HUFF and G. L. MESSENGER (HALLIBURTON SERVICES)
being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by FMC Corporation, well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 13 day of August, 1972, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD	FILLING MATERIAL	PLUGS USED	CASING	
			CSG PULLED	CSG LEFT IN
CLINTON	CLASS A CEMENT 7876' TO 7630'	50 SX.		
	7630' TO 7294'	6% GEL		
KEEFER	CLASS A CEMENT 7294' TO 7200'	25 SX.		
	7200' TO 6755'	6% GEL		
BOTTOM OF NK CSG.	6755' TO 6425'	75 SX	CLASS A CEMENT	
THE ABOVE WELL DATA WAS FURNISHED BY CUSTOMER.				
SIGNED <u>H. E. Huff</u>				
COAL SEAMS	DESCRIPTION OF MONUMENT			
(NAME)				
(NAME)				
(NAME)				
(NAME)				

and that the work of plugging and filling said well was completed on the 13 day of August, 1972.

And further deponents saith not.

Sworn to and subscribed before me this 21st day of August, 1972.

My commission expires:

March 26-1978

B. B. Summers
Dennis J. Neale

Notary Public

Permit No. PLEAS-679

Deep Well (Tusc.)



A DIVISION OF HALLIBURTON COMPANY
FORM 1906-RI

SEND ALL REMITTANCES TO
P. O. DRAWER 1431
DUNCAN, OKLAHOMA 73533

ATT. DOYLE

HARTWELL

PAGE 1 OF
1
PAGES

INVOICE & TICKET
NO. 393120

WELL NO. AND FARM <u>100912111 FINE CORP.</u>		COUNTY <u>PLEASANTS</u>	STATE <u>W. VA.</u>	DATE <u>8-13-72</u>
OWNER <u>FINE CORPORATION</u>		CONTRACTOR <u>LOHMANN-JOHNSON</u>		DUNCAN USE ONLY
CHARGE TO <u>FINE CORPORATION</u>		DELIVERED TO		LOCATION <u>WESTON WVA. 10880</u>
ADDRESS <u>BOX A BENS RUN W.VA.</u>		SHIPPED VIA		LOCATION <u>2</u>
DUNCAN USE ONLY	CURT. INV. REQ. ORIG. &		REQUISITION	LOCATION <u>3</u>
	<input type="checkbox"/> 1		ORDER NO. <u>31-21174</u>	BULK MATERIAL DELIVERY TICKET NO. <u>B-19544</u>
	<input type="checkbox"/> 2		TOTAL ACID - 30 DAYS	WELL TYPE <u>MISCELLANEOUS PWS</u>
	<input type="checkbox"/> 3			
<input type="checkbox"/> 4				
TYPE AND PURPOSE OF JOB <u>PLUG BACK</u>		TERMS: DUE BY THE 20TH OF FOLLOWING MONTH. INTEREST CHARGED AFTER 60 DAYS FROM DATE OF INVOICE.		
		\$ _____ Cash discount allowed if paid by due date.		
		\$ _____ Tax adjustment may be deducted if discounted.		

PRICE REFERENCE	SECONDARY REF. OR PART NO.	CODE		DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT
		L	D		QTY.	MEAS.	QTY.	MEAS.		
<u>009-019</u>				<u>PUMPING CHARGE</u>	<u>787.6</u>	<u>FT</u>	<u>1</u>	<u>Tax</u>		<u>691.00</u>
<u>502-021</u>				<u>STANDARD BULK CEMENT</u>	<u>150</u>	<u>CU. FT.</u>			<u>1.62</u>	<u>243.00</u>
<u>500-207</u>				SERVICE CHARGE	<u>150</u>	<u>CU. FT.</u>			<u>.43</u>	<u>64.50</u>
<u>500-306</u>				<u>14,100</u> TOTAL WEIGHT <u>60</u> LOADED MILES	<u>423.00</u>	<u>TON MILES</u>			<u>.25</u>	<u>105.75</u>

THIS IS NOT AN INVOICE

Please 679

TAX REFERENCES

SUB TOTAL

WAS JOB SATISFACTORILY COMPLETED? _____
 WAS OPERATION OF EQUIPMENT SATISFACTORY? _____
 WAS PERFORMANCE OF PERSONNEL SATISFACTORY? _____

x Doyle K. Hartwell
Customer or His Agent

TAX

TAX

TAX

W. H. Harty
Halliburton Operator

TOTAL 1104.25



WORK ORDER CONTRACT AND PRE-TREATMENT DATA

FORM 1908 R-2 A Division of Halliburton Company DUNCAN, OKLAHOMA 73333

ATTACH TO INVOICE & TICKET NO. 393120

DISTRICT WESTON W.VA.

DATE 8-13-72

TO: HALLIBURTON SERVICES YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICEMEN TO DELIVER AND OPERATE THE SAME AS AN INDEPENDENT CONTRACTOR TO: FMC CORPORATION

AND DELIVER AND SELL PRODUCTS, SUPPLIES, AND MATERIALS FOR THE PURPOSE OF SERVICING (CUSTOMER) #10 BICINE WELL FMC CORPORATION

WELL NO. LEASE FMC CORPORATION SEC. TWP. RANGE

FIELD BENS RUN COUNTY PLEASANTS STATE W.VA. OWNED BY FMC CORPORATION

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME CLINTON TYPE CASING THICKNESS FROM TO PACKER: TYPE SET AT TOTAL DEPTH 7876' K.B. MUD WEIGHT BORE HOLE 6 3/4" ROTARY INITIAL PROD: OIL BPD, H2O BPD, GAS MCF PRESENT PROD: OIL BPD, H2O BPD, GAS MCF

Table with columns: NEW USED, WEIGHT, SIZE, FROM, TO, MAX. ALLOW. P.S.I., BHOTS/FT. Rows include CASING, LINER, TUBING (D.P. 14.0 4" F.H.), OPEN HOLE, PERFORATIONS.

PREVIOUS TREATMENT: DATE TYPE MATERIALS

TREATMENT INSTRUCTIONS: TREAT THRU TUBING ANNULUS CASING TUBING/ANNULUS HYDRAULIC HORSEPOWER ORDERED

Handwritten note: Please 679

CUSTOMER OR HIS AGENT STATES THE WELL IS IN PROPER CONDITION TO RECEIVE THE PRODUCTS, SUPPLIES, MATERIALS, AND SERVICES

THIS CONTRACT MUST BE SIGNED BEFORE WORK IS COMMENCED

- As consideration, the above-named Customer agrees: (a) To pay Halliburton in accord with the rates and terms stated in Halliburton's current price lists. (b) Halliburton shall not be responsible for and Customer shall secure Halliburton against any liability for damage to property of Customer and of the well owner... (k) Halliburton shall not be bound by any changes or modifications in this contract, except where such change or modification is made in writing by a duly authorized executive officer of Halliburton.

I HAVE READ AND UNDERSTAND THIS CONTRACT AND REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMER'S AGENT.

SIGNED Doyle K. Hartwell CUSTOMER

DATE 8-13-72

TIME 1020 A.M. P.M.

We certify that the Fair Labor Standards Act of 1938, as amended, has been complied with in the production of goods and/or with respect to services furnished under this contract.



HALLIBURTON DIVISION
HALLIBURTON LOCATION

PITTSBURGH



WESTON W. VA.

BILLED ON TICKET NO.

393120

FORM 2012

WELL DATA

FIELD BENS RUN SEC. _____ TWP. _____ RING. _____ COUNTY PERMITS STATE W. VA.

FORMATION NAME CLINTON TYPE _____

FORMATION THICKNESS _____ FROM _____ TO _____

INITIAL PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD _____

PRESENT PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD _____

COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____

PACKER TYPE _____ SET AT _____

BOTTOM HOLE TEMP. _____ PRESSURE _____

MISC. DATA _____

	NEW USED	SIZE	FROM	TO	WEIGHT	MAXIMUM PSI ALLOWABLE
CASING						
LINER						
TUBING	<u>D.P.</u>	<u>4"</u>	<u>F.H.</u>		<u>14.0</u>	
OPEN HOLE						TOTAL DEPTH:
PERFORATIONS						SHOTS/FT.
PERFORATIONS						SHOTS/FT.
PERFORATIONS						SHOTS/FT.

JOB DATA

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS		
BOTTOM PLUG		
TOP PLUG		
HEAD <u>D.P. PIN</u>	<u>4"FH</u>	<u>1</u> <u>By CUST.</u>
PACKER		
OTHER		

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
<u>8-13-72</u>	<u>8-13-72</u>	<u>8-13-72</u>	<u>8-13-72</u>
DATE	DATE	DATE	DATE
TIME <u>0400</u>	TIME <u>0745</u>	TIME <u>1115</u>	TIME <u>1450</u>

PERSONNEL AND SERVICE UNITS

NAME	EMPL. NO.	UNIT NO. & TYPE	LOCATION
<u>H.E. NUFF</u>	<u>29507</u>	<u>8775</u>	<u>WESTON</u>
<u>G. MESSENGER</u>	<u>40050</u>	<u>61-C</u>	<u>W. VA.</u>
		<u>9291</u>	<u>" "</u>
<u>E.R. LOSE</u>	<u>40116</u>	<u>T.O.</u>	<u>" "</u>

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB/GAL. API

DISPL. FLUID _____ DENSITY _____ LB/GAL. API

PROP. TYPE _____ SIZE _____ LB.

PROP. TYPE _____ SIZE _____ LB.

ACID TYPE _____ GAL. _____ %

ACID TYPE _____ GAL. _____ %

ACID TYPE _____ GAL. _____ %

SURFACTANT TYPE _____ GAL. _____ IN

NE AGENT TYPE _____ GAL. _____ IN

FLUID LOSS ADD. TYPE _____ GAL.-LB. _____ IN

GELLING AGENT TYPE _____ GAL.-LB. _____ IN

FNIC. RED. AGENT TYPE _____ GAL.-LB. _____ IN

BREAKER TYPE _____ GAL.-LB. _____ IN

BLOCKING AGENT TYPE _____ GAL.-LB. _____

PERFPAC BALLS TYPE _____ QTY. _____

OTHER _____

OTHER _____

Please 6 79

DEPARTMENT CEMENT

DESCRIPTION OF JOB PLUG BACK

JOB DONE THRU: TUBING CASING ANNULUS TBC./ANN.

CUSTOMER REPRESENTATIVE X Doyle K. Hatwell

HALLIBURTON OPERATOR M. H. H. H. COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	TYPE	API CLASS	BRAND	BULK SACKED	ADDITIVES	YIELD CU. FT./SK.	MIXED LBS./GAL.
	<u>150</u>	<u>Common A</u>			<u>bulk</u>	<u>Mix w/ BEINE WATER</u>	<u>1.27</u>	<u>1611</u>
						<u>1025 TROUBLE</u>		
						<u>By CUST.</u>		

PRESSURES IN PSI 900 SUMMARY VOLUMES

CIRCULATING _____ DISPLACEMENT _____ PREFLUSH: BBL.-GAL. _____ TYPE _____

BREAKDOWN _____ MAXIMUM 1050 LOAD & BKDN: BBL.-GAL. _____ PAD: BBL.-GAL. _____

AVERAGE _____ FRACTURE GRADIENT _____ TREATMENT: BBL.-GAL. _____ DISPL: BBL.-GAL. _____

SHUT-IN INSTANT _____ 5-MIN. _____ 15-MIN. _____ CEMENT SLURRY: BBL.-GAL. _____

ORDERED _____ AVAILABLE _____ USED _____ TOTAL VOLUME: BBL.-GAL. _____

HYDRAULIC HORSEPOWER _____

ORDERED _____ AVAILABLE _____ USED _____

AVERAGE RATES IN BPM _____

TREATING _____ DISPL. _____ OVERALL _____

CEMENT LEFT IN PIPE _____

REMARKS

7870' - 7030' - CNT - 6755' - 6425' - 6215'

7630' - 7194' - 656' - 6425' - 5000' - 420

7014' - 7200' - CNT

7100' - 6755' - 656'

CUSTOMER

CUSTOMER: FINC CORPORATION
 LEASE: FINC CORP.
 WELL NO.: #10 BENS RUN
 JOB TYPE: PLUG BACK
 DATE: 8-13-72

TRUCK NUMBER
15 11

LEASE 30 M.

4 2 4

WELT NO.

HR. OPERATOR

45 M.

HR. OPERATOR

Mix 15000 Cmt. Pile

Disp. Cmt. Pile

Mix 240 Cmt. Pile

Disp. Cmt. Pile

Mix 30000 Cmt. Pile

Disp. Cmt. Pile

Mix 500 Cmt. Pile

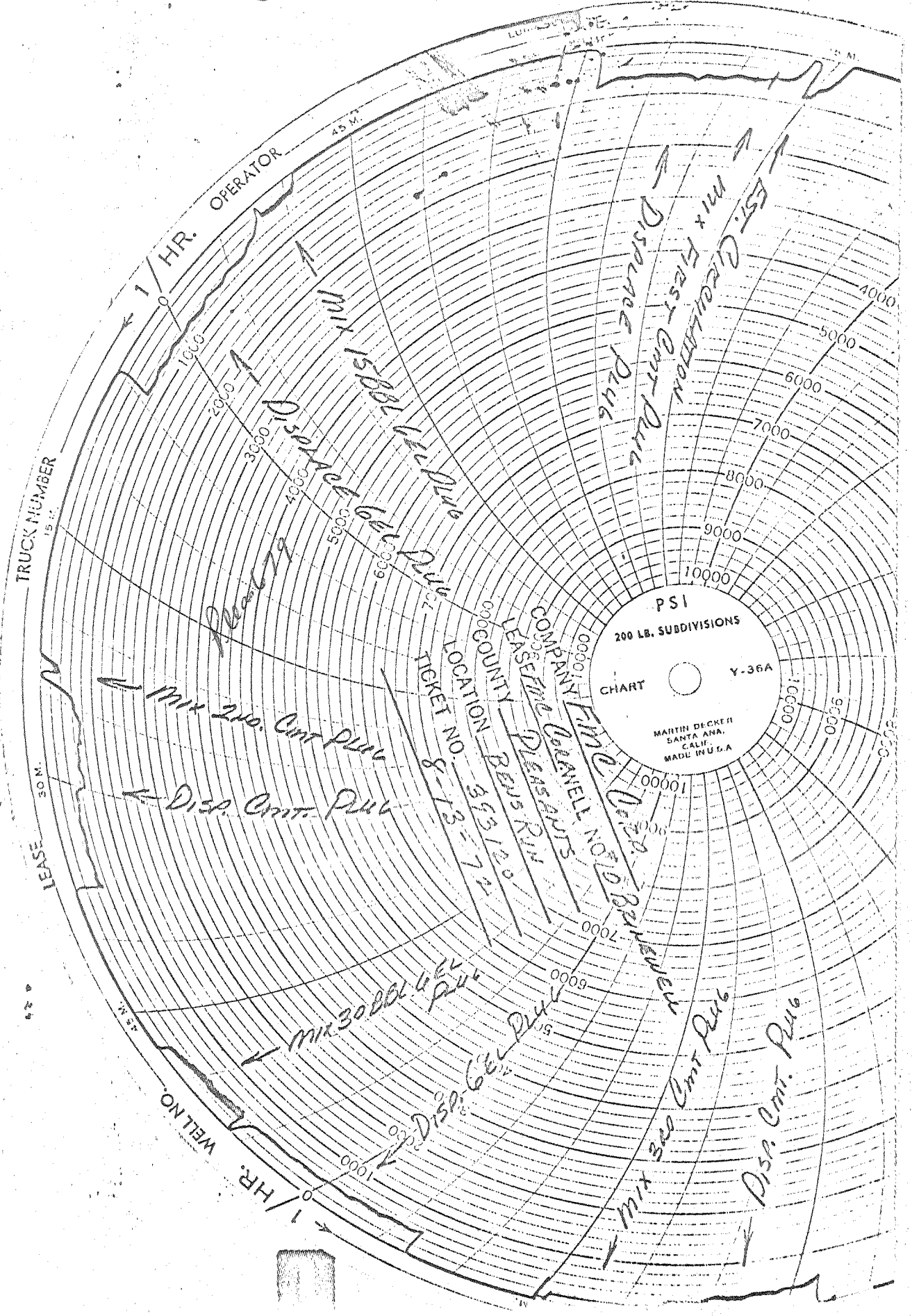
Disp. Cmt. Pile

EST. CREATION
MIX FIRST CMT. PILE
DISPOSED PILE

FINCH
DANWELL NO. 10
BARREVER

COMPANY
LEASEE
COUNTY
LOCATION
TICKET NO.

PSI
200 LB. SUBDIVISIONS
CHART
Y-36A
MARTIN DECKE II
SANTA ANA,
CALIF.
MADE IN U.S.A.

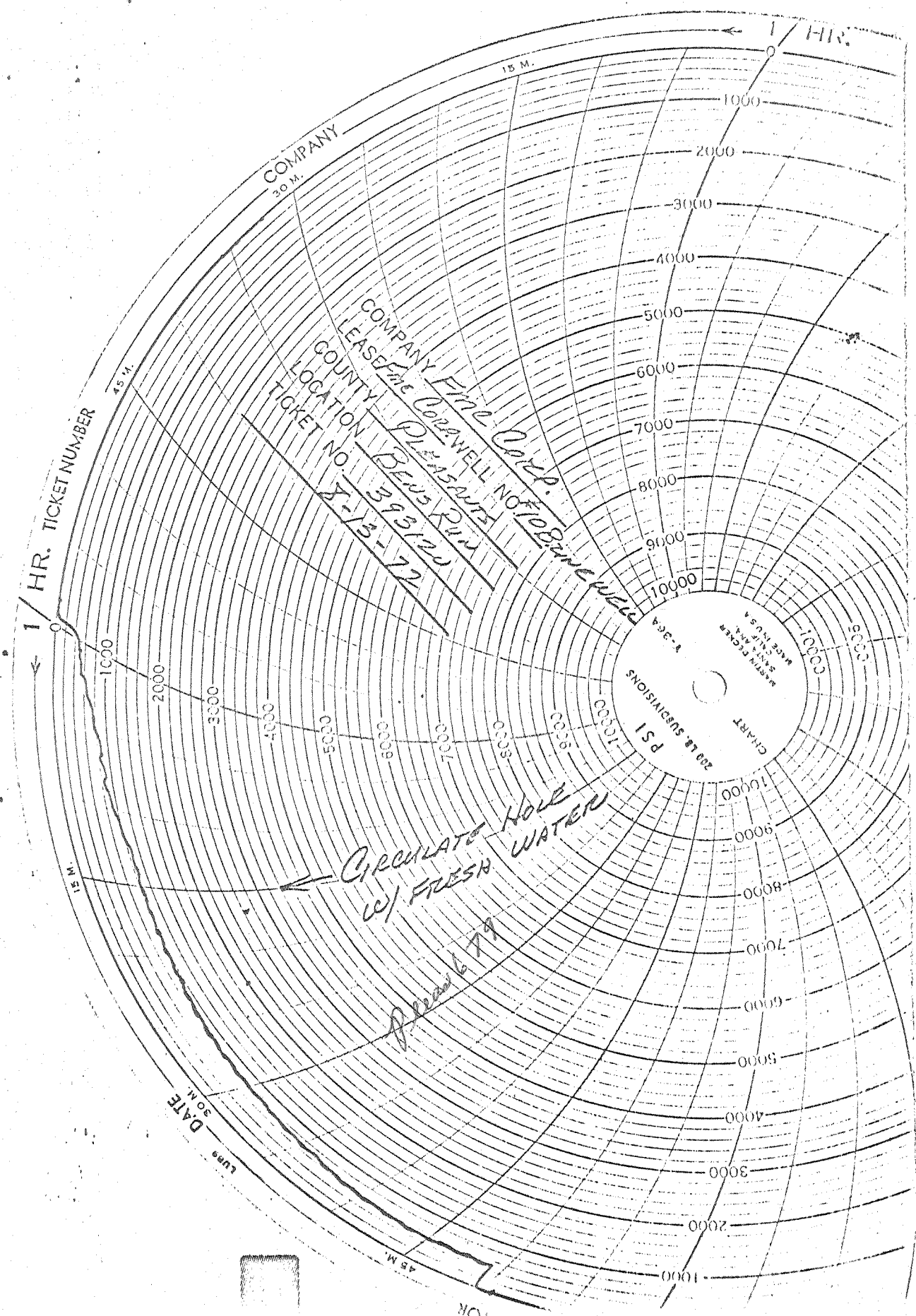


ARTS OFFIX

ARTS OFFIX

ARTS OFFIX

ARTS OFFIX



HR. TICKET NUMBER
1

COMPANY
30 M.

COMPANY *Emo Corp.*
 LEASE *Emo Corawell*
 COUNTY *Pleasant*
 LOCATION *Beas Run*
 TICKET NO. *8-13-72*

Circulate Well Water w/ Fresh

Beas Run

DATE
30 M.

45 M.

OR

5875 TOP OF SALINA (Crown) #10

