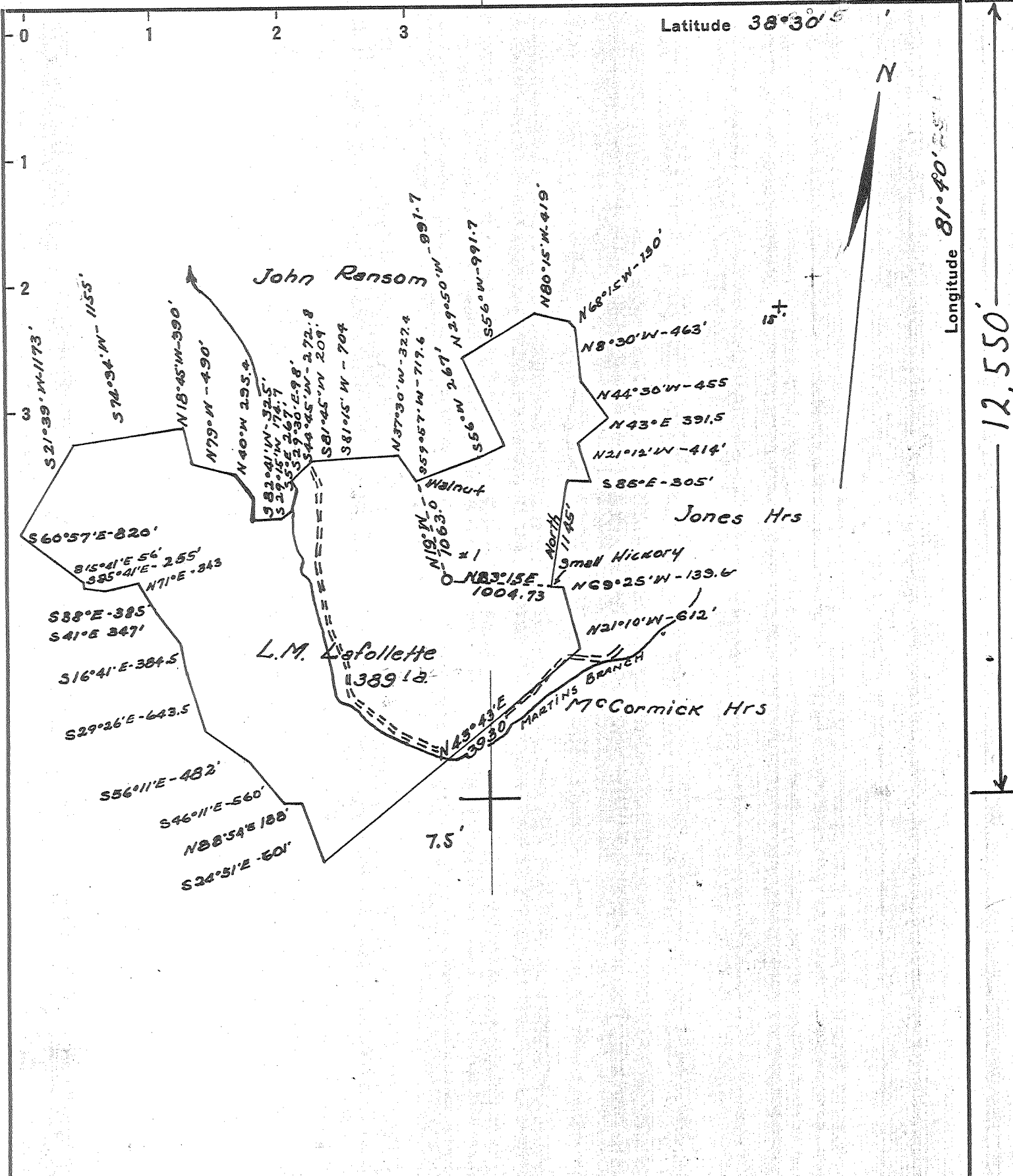


7550' ~~12/69 CED~~



New Location
 Drill Deeper
 Abandonment

CABOT OIL & GAS CO. OF WVA.
 P.O. Box 628
 Charleston, WVa. 25322 (Lafollette)
 Edna & Roy Aldridge etal. #1-935

Tract / Acres 389.1 Lease No. 3-366
 Well (Farm) No. / Serial No. 935
 Elevation (Spirit Level) 704.0
 Quadrangle Charleston 15 / Pocotalico 7.5'
 County Kanawha District Union
 Engineer [Signature]
 Engineer's Registration No. 806
 File No. _____ Drawing No. _____
 Date Sept. 25 1939 Scale 1" = 1320'

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

FRAC CANCELLED
WELL LOCATION MAP
 FILE NO. KAN-667-PP Frac
CORRECTED PLAT

+ 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.

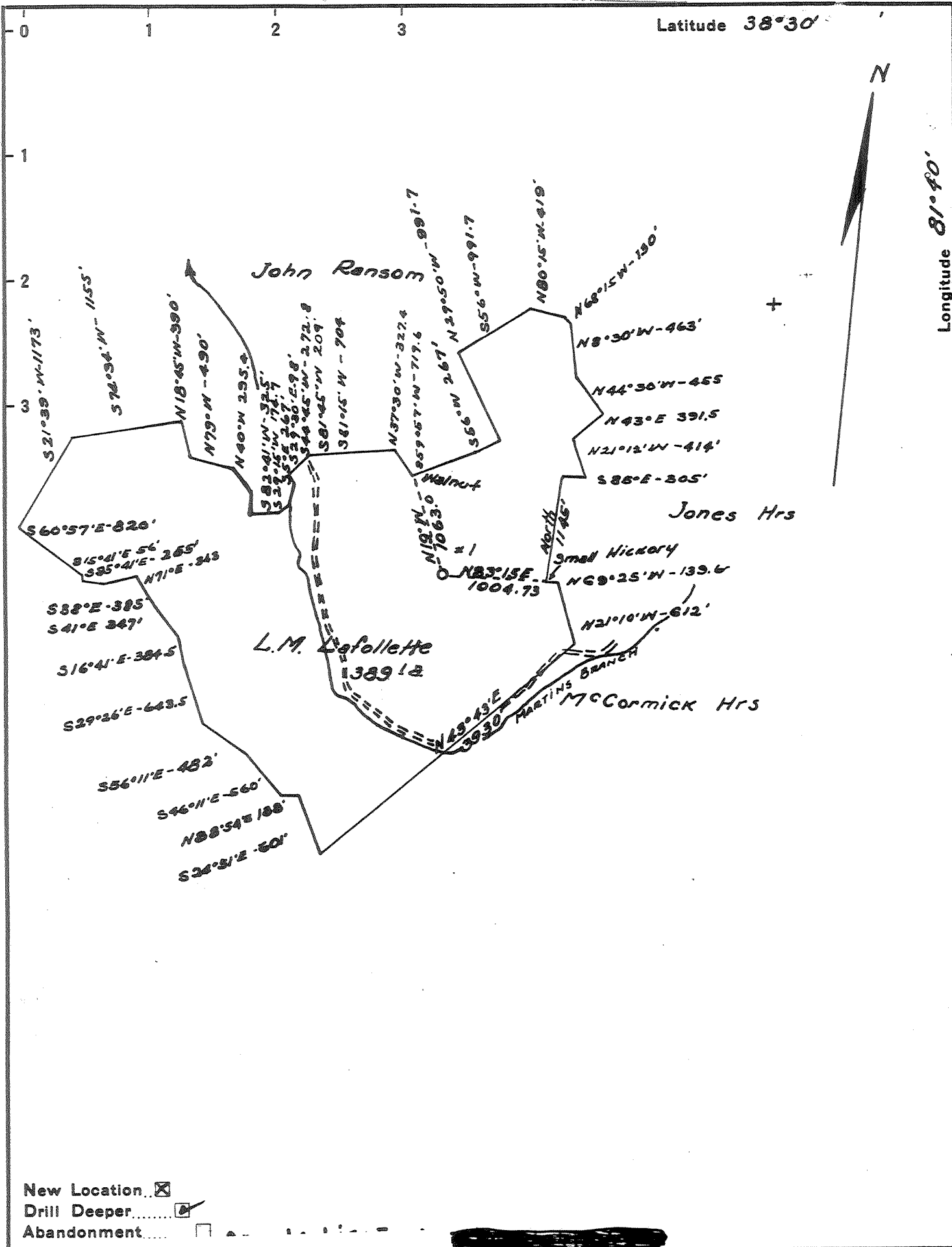
47-039

KAN-667

1/2/68 CEN

CODE _____ CARD _____ PLOT _____

Latitude 38°30'



New Location
 Drill Deeper
 Abandonment

CABOT OIL & GAS CO. OF WVA.
 P.O. Box 628
 Charleston, WVa. 25322 (Lafollette)
 Edna & Roy Aldridge etal. #1-935

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

Tract 1 Acres 389.1 Lease No. 3-366
 Well (Farm) No. 1 Serial No. 935
 Elevation (Spirit Level) 704.0
 Quadrangle Charleston
 County Kanawha District Union
 Engineer Ed Light Ruddle
 Engineer's Registration No. 806
 File No. _____ Drawing No. _____
 Date Sept. 25 1939 Scale 1" = 1320'

WELL LOCATION MAP

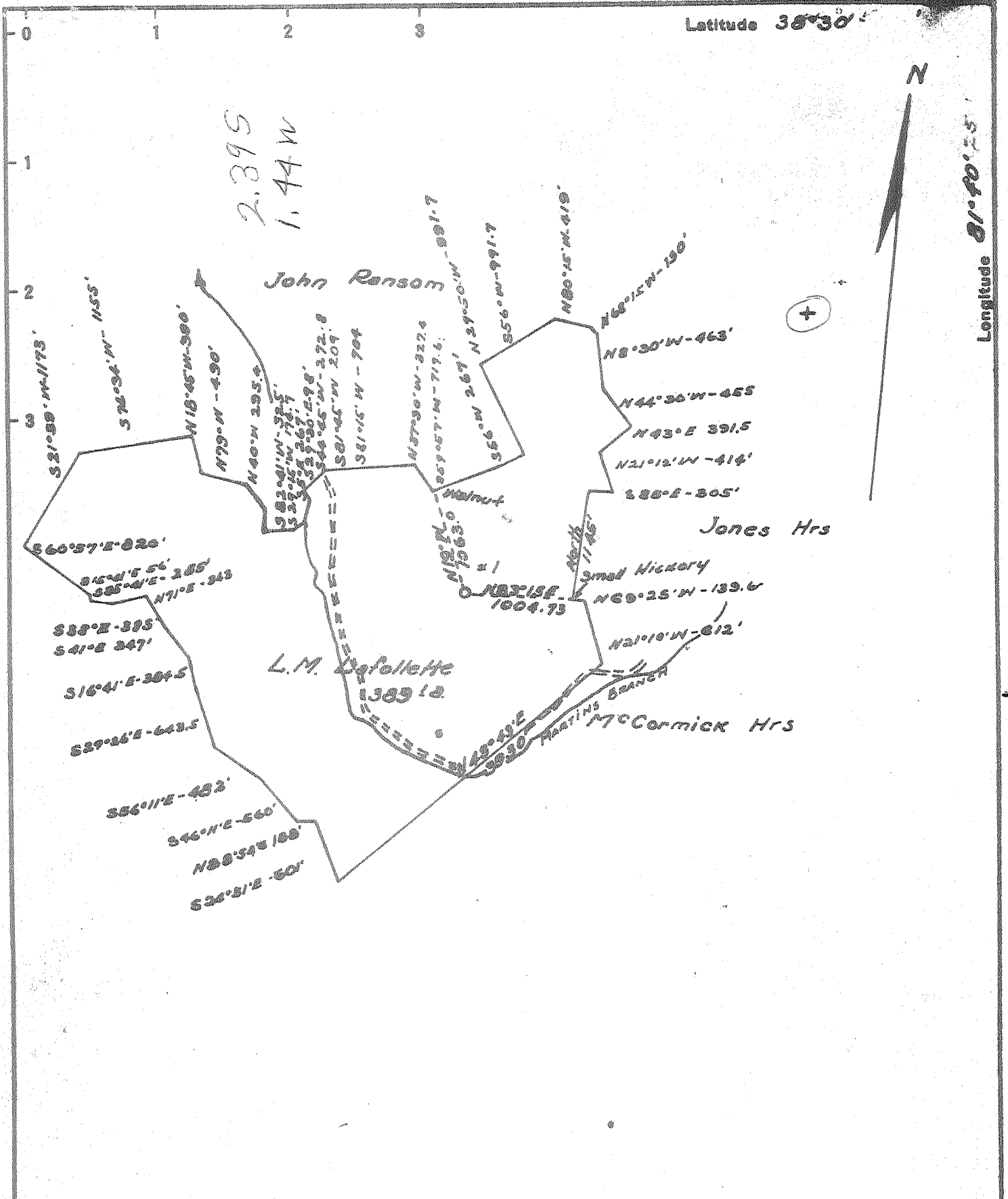
FILE NO. KAN-667-PP
CORRECTED PLAT

+ 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.

JAN 28 1985

47-039



New Location
 Drill Deeper
 Abandonment

Appalachian Exploration & Devlp. Corp

~~Cabot Corporation~~
 Company Gregory L. Carter Inc
 Address Box 628
601 Union Bldg Charleston W. Va. 25322
 Farm L.M. DeFollette
 Tract 1 Acres 38.91 Lease No. 3-346
 Well (Farm) No. 1 Serial No. 835
 Elevation (Spirit Level) 704.0
 Quadrangle Charleston
 County Wayne District Union
 Engineer Edmund Ruddle
 Engineer's Registration No. 806
 File No. _____ Drawing No. _____
 Date Sept. 25 1939 Scale 1" = 1/320'

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

WELL LOCATION MAP
 FILE NO. KAN-667-00
CORRECTED PLAT

+ 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.

WEST VIRGINIA DEPARTMENT OF MINES
OIL & GAS DIVISION
W E L L R E C O R D

Permit No. Kan-667
Charleston Quad.

Gas Well

Company Godfrey L. Cabot, Inc.,
Address Charleston, W. Va.
Farm L. W. LaFollette ACRES -
Well No. 1 (Serial 935) ELEV. 704
District ~~Poca~~ - Kanawha County
Surface & Mineral -
Commenced Oct. 23, 1939
Completed Jan. 10, 1940
Shot 1/12/40 - Depth 4768-4779 - 50 qts.
Gauge Before Shot 9/10 W in 2" - 30 Min. After 1,226 M
Open Flow 11/10ths W in 6-5/8 - 30 min. A.S.
Volume 1,226,000 c.f.
Rock Pressure Oriskany - 1710 lbs. 38 hrs.
Fresh Water 84 - HPW at 175
Salt Water 1045, 1/2 blr. hr. 1075 1/2 blr. hr.
Salt Water 1093 - hole full

CASTING & CURING

13	470	470
10	1642	
8	1780	
7	4684	4684
2	4734	4784

Casing shoe, squagel and cement.
2-3/8 O.D. 3.75# line pipe as tubing
Tubed & shut in 3/6/40
Perf. top - 4773
" bot. - 4783
Tubing set at 4892 - 5' below bridge
2" packer case used on top of perforated joint

Surface	0	14	
Sand	14	22	
Slate	22	60	
Red Rock	60	72	
Sand	72	93	FW 84
Limo	93	102	6 blr. hr.
Slate	102	185	HPW 175
Red Rock	185	205	
Slate	205	219	
Red Rock	219	252	
Sand	252	280	
Slate	280	410	
Sand	410	449	
Slate	449	458	
Red Rock	458	467	
Slate & Shell	467	506	
Sand	506	612	
Slate	612	627	
Sand	627	657	
Slate & Shell	657	807	
Sand	807	841	
Slate	841	881	
Sand	881	900	Lt. Sh. of
Slate	900	915	Oil 885
Sand	915	963	
Slate	963	966	
Sand	966	1006	
Slate	1006	1012	
Salt Sand	1012	1324	SW 1045
Limo	1324	1342	SW 1075 & 1093
Sand	1342	1380	Sh. Gas 1127
Black Lime	1380	1402	
Sand	1402	1442	
Limo	1442	1454	
Sand	1454	1519	
Big Limo	1519	1637	
Injun Sand	1637	1755	
Limo Shells	1755	1795	
Slate & Shell	1795	1847	
Limo	1847	1896	
Slate	1896	2158	
Shale	2158	2168	
Berea Sand	2168	2178	
Slate & Shell	2178	3404	
Shale & Shell	3404	3453	

Slate Lime Shell	3463	3775	
Shale & Shell	3775	3787	
Slate & Shell	3787	3810	
Brown Shale	3810	3953	
White Slate	3953	4418	
Shale & Shell	4418	4540	
Black Shale	4540	4661	
Coniferous Lime	4661	4760	S.L.
Oriskany Sand	4760	4827	
Dark Limo	4827	4830	S.L.
Total Depth		4830	

GAUGES IN ORISKANY SAND

1/5/40	1/10 W in 1"	at 4760-72
1/5/40	2/10 W in 1"	at 4772-73
1/6/40	70/10 W in 2"	at 4773-79 Tools out
1/8/40	4/10 Hg " 2"	at 4779 after blow off
1/9/40	4/10 " " 2"	at 4783 tools out
1/9/40	2/10 " " 2"	at 4794 tools out
1/9/40	3/10 " " 2"	at 4803 tools out
1/10/40	2/10 " " 2"	at 4809
1/10/40	2/10 " " 2"	at 4819
1/11/40	2/10 " " 2"	at 4830

1/12/40 shot with 50 qts. from 4768-4779
Before shot 9/10 W in 2"
10 Min. after 15/10 W in 6-5/8
20 " " 13/10 W in 6-5/8
25 " " 11/10 W in 6-5/8
30 " " 11/10 W in 6-5/8

4661 4760 4827
704

3957 4056 4123



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

- Rotary
- Spudder
- Cable Tools
- Storage

Quadrangle Charleston

Permit No. Kan-667 (Deepening)

WELL RECORD

Oil or Gas Well Gas
(KIND)

Company <u>Appalachian Exploration & Development,</u>	Incasing and Tubing	Used in Drilling	Left in Well	Packers
Address <u>P. O. Box 628, Charleston, W. Va.</u>				
Farm <u>L. M. LaFollette</u> Acres <u>389.1</u>	Size			
Location (waters) <u>Martins Branch</u>	16			Kind of Packer <u>None</u>
Well No. <u>1</u> Elev. <u>704</u>	13-3/8"	470	470	
District <u>Union</u> County <u>Kanawha</u>	10			Size of
The surface of tract is owned in fee by <u>Eugene Hanna</u>	8 1/4			
<u>Route 4, Box 60</u> Address <u>Charleston, W. Va.</u>	14 7"	4,684	4,684	Depth set
Mineral rights are owned by <u>United Fuel Gas Company</u>	5 1/2 1/2	5,479	5,479	
<u>P. O. Box 1273</u> Address <u>Charleston, W. Va.</u>	4 1/2			
Drilling commenced <u>February 8, 1968</u>	3			Perf. top
Drilling completed <u>March 6, 1968</u>	2			Perf. bottom
Date Shot <u>None</u> From To	Liners Used			Perf. top
With				Perf. bottom

Open Flow /10ths Water in Inch
/10ths Merc. in Inch

Volume 10 Million Cu. Ft.

Rock Pressure 1,480 lbs. 48 hrs.

Oil bbls., 1st 24 hrs.

WELL ACIDIZED (DETAILS)

WELL FRACTURED (DETAILS) 660 barrels of water with 27,000# of sand. Maximum pressure 5,000#.

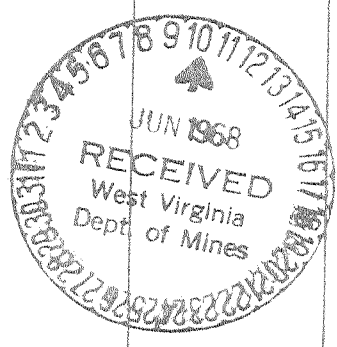
RESULT AFTER TREATMENT (Initial open Flow or bbls.) 20.8 Million cubic feet. 20,800 MCF

ROCK PRESSURE AFTER TREATMENT 1,480# HOURS 48

Fresh Water Feet Salt Water Feet

Producing Sand Newburg Depth 5,528'

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
This well was deepened from 4,830' to 5,534'							
FORMATIONS BY LOG:							
Lime, dolomite, anhydrite		hard	4,830	5,520			
Sandstone <u>Newburg</u>		soft	5,520	5,534	Gas	5,520	Est. 15 Mncfpd
				T. D.			
			5520	5520			
			4760	704			
			760	4816			



FILE COPY
RECEIVED

11-1-31985



1) Date: December 31, 19 84
 2) Operator's Well No. L.M. Lafollette #1
 3) API Well No. 47 - 039 - 0667-PP-
 State County Permit **FRAC**

**OIL & GAS DIV.
DEPT OF MINES**

**STATE OF WEST VIRGINIA
DEPARTMENT OF MINES, OIL AND GAS DIVISION
APPLICATION FOR A WELL WORK PERMIT**

- 4) WELL TYPE: A Oil _____ / Gas X /
 B (If "Gas", Production X / Underground storage _____ / Deep _____ / Shallow X /)
- 5) LOCATION: Elevation: 704 Watershed: Martins Branch
 District: Union County: Kanawha Quadrangle: Pocatalico
- 6) WELL OPERATOR Cabot Oil & Gas Corp. of WV 7) DESIGNATED AGENT Robert E. Horrell
 Address P.O. Box 628 Address P.O. Box 628
Charleston, WV 25322 8150 Charleston, WV 25322
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
 Name Russell Beall Name UNKNOWN
 Address P.O. Box 160 Address _____
Philippi, WV 26416 866-4608
- 10) PROPOSED WELL WORK: Drill _____ / Drill deeper _____ / Redrill _____ / Stimulate X /
 Plug off old formation X / Perforate new formation X /
 Other physical change in well (specify) Plug Back Newburg & Oriskany
- 11) GEOLOGICAL TARGET FORMATION, Huron Shale
- 12) Estimated depth of completed well, 4000 feet
- 13) Approximate strata depths: Fresh, 84, 175 feet; salt, _____ feet.
- 14) Approximate coal seam depths: NR Is coal being mined in the area? Yes _____ / No X /

15) CASING AND TUBING PROGRAM WORKOVER

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS	
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well			
Conductor										Kinds
Fresh water	<u>13-3/8"</u>					<u>EXISTING</u>	<u>470</u>	<u>ON SHOE</u>		
Coal										Sizes
Intermediate	<u>7"</u>	<u>J-55</u>	<u>23</u>	<u>X</u>		<u>EXISTING</u>	<u>4684</u>	<u>100 sks.</u>		
Production	<u>5-1/2"</u>	<u>N-80</u>	<u>17</u>	<u>X</u>		<u>EXISTING</u>	<u>5479</u>	<u>200 sks.</u>		Depths set
Tubing	<u>1-1/2"</u>				<u>PULL</u>	<u>EXISTING</u>	<u>5504</u>			
Liners										Perforations:
										Top Bottom
TUBING	<u>1-1/2"</u>		<u>2.75</u>	<u>X</u>		<u>PROPOSED</u>	<u>3950</u>			

(1) Cut 5-1/2" csg. @ 4000' and pull. (3) Squeeze cement 7" csg. 3950' - 3300'.
 (2) Set cast iron bridge plug and cal seal @ 5400' and 4000'.

**OFFICE USE ONLY
DRILLING PERMIT**

Permit number 47-039-0667-PP-FRAC Date January 22, 19 85

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. Notification must be given to the District Oil and Gas Inspector, (Refer to No. 8) Prior to the construction of roads, locations and pits for any permitted work. In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

The permitted work is as described in the Notice and Application, plat, and reclamation plan, subject to any modifications and conditions specified on the reverse hereof.
 Permit expires January 22, 1987 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Casing	Fee
<u>30</u>	<u>MH</u>	<u>MH</u>	<u>MH</u>	<u>014375</u>

Margaret J. Hass
 Administrator, Office of Oil and Gas

NOTE: Keep one copy of this permit posted at the drilling location.