

CERTIFICATE

"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 degree of accuracy is one part in 200

Signed *William D. Moody* L.L.S. # 116

- NEW LOCATION
- RECONDITION
- DRILL DEEPER
- ABANDONMENT

PARTIAL PLUG. ISSUED 7-22-75
BK. 107 PG. 54.55 212 175

COMPANY DEVON CORPORATION
 ADDRESS BOX 1433 CHARLESTON, WEST VA.
 FARM JAMES F. ARMSTRONG
 MAP OV.26 180 ACRES 251 1/2 UNIT LEASE NO. 2490
 WELL (FARM) NO. 1 SERIAL NO. 813
 ELEVATION (SPIRIT LEVEL) 854.86
 QUADRANGLE RAVENSWOOD S.E. EC
 COUNTY JACKSON DISTRICT RIPLEY
 POINT OF PROVEN ELEVATION USCG DATA ROAD INTERSECTION SHOWN ABOVE EL. 895.
 FILE NO. _____ DRAWING NO. _____
 DATE NOV. 10, 1970 SCALE 1" = 660 FT.

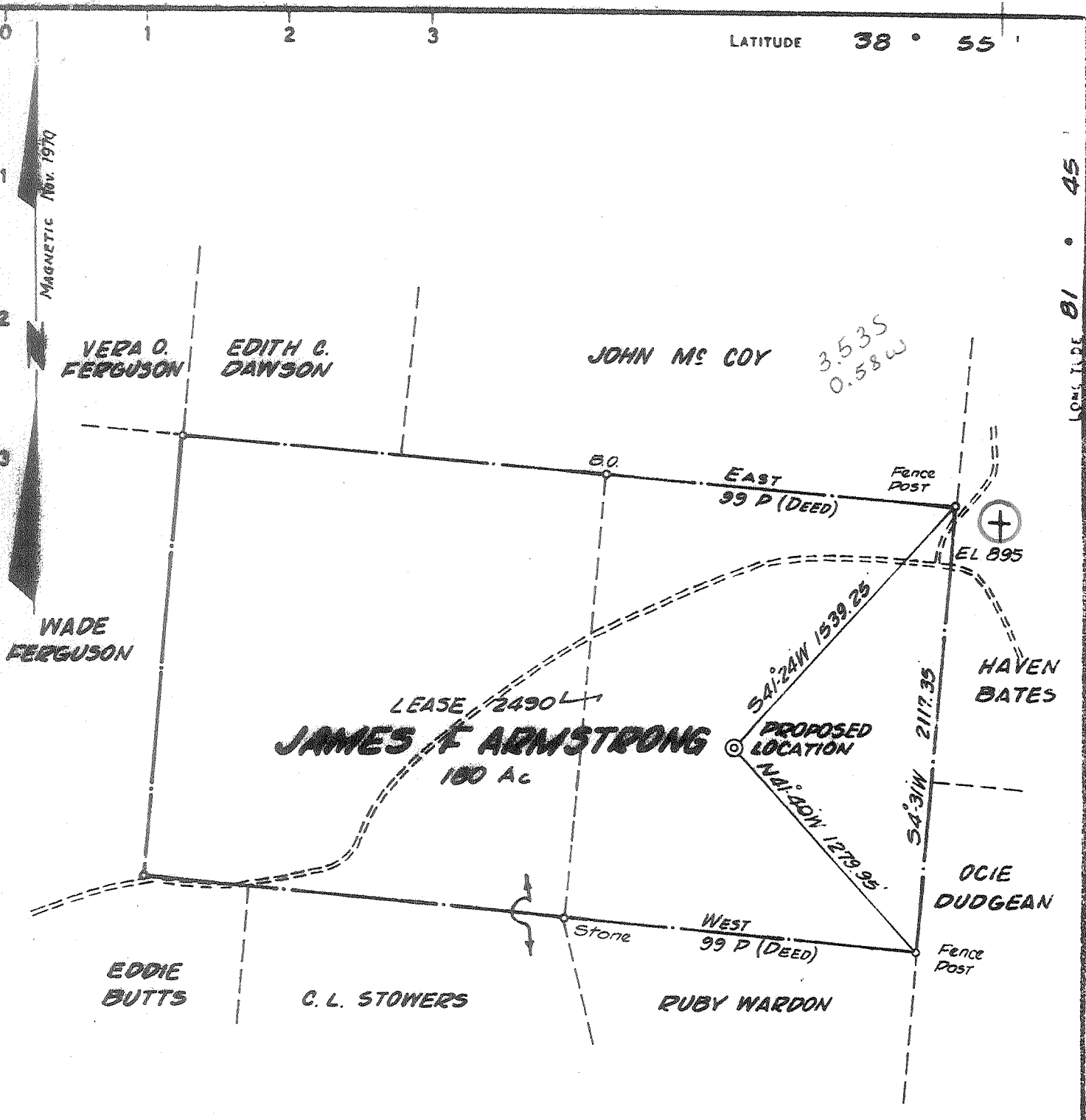
STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON
WELL LOCATION MAP

FILE NO. JAC-1248-PPR

+ 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. FEB 9 1976
 - DENOTES ONE INCH SPACES ON BORDER LINE OF ORIGINAL TRACING.

LATITUDE 38° 55'

LONGITUDE 81° 45'



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BK. 107 PG. 54-55

Signed *William D. Murdy* L.L.S. # 116

- NEW LOCATION
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- ABANDONMENT

COMPANY COMMONWEALTH GAS CORPORATION	
ADDRESS BOK 1423 CHARLESTON, WEST VA.	
FARM JAMES F. ARMSTRONG	
MAP OV-26	LEASE NO. 2490
WELL (FARM) NO. 1	SERIAL NO. 813
ELEVATION (SPRINT LEVEL) 854.86	
QUADRANGLE RAVENSWOOD S.E. EC	
COUNTY JACKSON	DISTRICT RIPLEY
POINT OF PROVEN ELEVATION USCG DATA ROAD INTERSECTION SHOWN ABOVE EL. 895.	
FILE NO. NOV. 10, 1970	DRAWING NO.
SCALE 1" = 660 FT.	

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION
CHARLESTON
WELL LOCATION MAP
FILE NO. **JAC-1248-PP**

† 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.

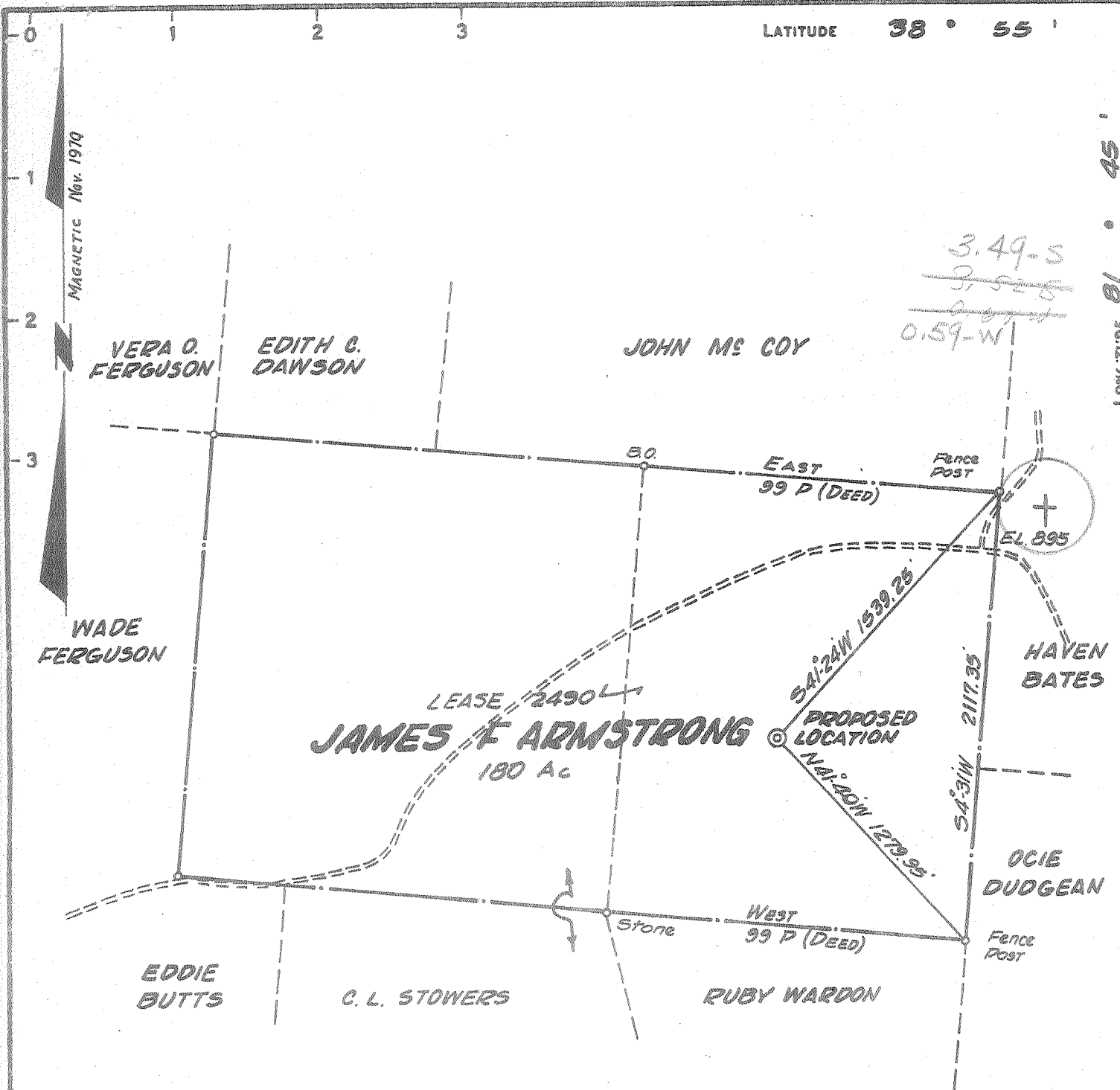
JUL 28 1975

Deep Well

47-035

LATITUDE 38° 55'

LONGITUDE 81° 45'



3.49-5
~~3.52-8~~
 0.59-W

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- NEW LOCATION
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Signed William D. Brandy L.L.S. # 116

BK. 107 PG. 54-55

COMPANY	COMMONWEALTH GAS CORPORATION		
ADDRESS	BOX 1433 CHARLESTON, WEST VA.		
FARM	JAMES F. ARMSTRONG		
MAP	OV. 26	180 of 251 1/2 ACRES UNIT	LEASE NO. 2490
WELL (FARM) NO.	1	SERIAL NO.	813
ELEVATION (SPIRIT LEVEL)	854.86		
QUADRANGLE	RAVENSWOOD S.E. EC		
COUNTY	JACKSON	DISTRICT	RIPLEY
POINT OF PROVEN ELEVATION	USCG DATA ROAD INTERSECTION SHOWN ABOVE EL. 895.		
FILE NO.	NOV. 10, 1970	DRAWING NO.	1" = 600 FT.
DATE		SCALE	

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON
WELL LOCATION MAP
 FILE NO. JAC-1248

⊕ 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

6-6 Ripley 311

Deep Well (Newburg) NOV 23 1970

39-00
6-45



RECEIVED

FEB 26 1971

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

OIL & GAS DIVISION
Spudder
Cable Tools
Storage E. Note

WELL RECORD

Oil or Gas Well Gas
(KIND)

Quadrangle Ravenswood
Permit No. Jac-1248

Company Commonwealth Gas Corporation
Address P.O. Box 1433, Charleston, W. Va.
Farm James F. Armstrong Acres 251.5 Unit
Location (waters) Mud Run
Well No. 813-1 Elev. 854.86
District Ripley County Jackson
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by Mrs. Ollie Armstrong
Address Rt. 1, Ripley, W. Va.

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13 -3/8"	152.73	152.73	
10 9-5/8"	2180'	2180'	Size of
8 1/4			
7"	5484.41	5484.41	Depth set
5 3/16			
3			Perf. top <u>PSI Nipple</u>
2 -3/8"	5499.20	5499.20	Perf. bottom
Liners Used			Perf. top
			Perf. bottom

Drilling commenced 11/21/70
Drilling completed 12/2/70
Date Shot From _____ To _____
With _____
Open Flow /10ths Water in _____ Inch
/10ths Merc. in _____ Inch
Volume _____ Cu. Ft.
Rock Pressure _____ lbs. _____ hrs.
Oil _____ bbls., 1st 24 hrs.
WELL ACIDIZED _____

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____
150 Bags behind the 13-3/8" 450 Bags behind the 9-5/8" 50 Bags behind the 7"
COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
_____ FEET _____ INCHES
_____ FEET _____ INCHES

WELL FRACTURED 5490 to 5494 with 26000# Sand and 794 Bbls. water

RESULT AFTER TREATMENT 1,750,000 cu. ft. 1,750 MCFGPD 1,750,000
ROCK PRESSURE AFTER TREATMENT 1598# 48 Hrs.
Fresh Water _____ Feet Salt Water _____ Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Sand, Lime & Shales			0	4650			
Marcellus Shale			4650	4678			
Corniferous Lime - 463			4678	4772			
Oriskany			4772	4789			
Lime & Chert - Helmsburg & Salina			4789	5490			
Newburg			5490	5494			
Dolomite McKenzie			5494	5512			
			TOTAL DEPTH	5512			
			<u>ELECTRIC LOG TOPS</u>	<u>545</u>			
Corniferous			4678				
Oriskany			4772	4789			
Newburg			5490	5494			

(over)