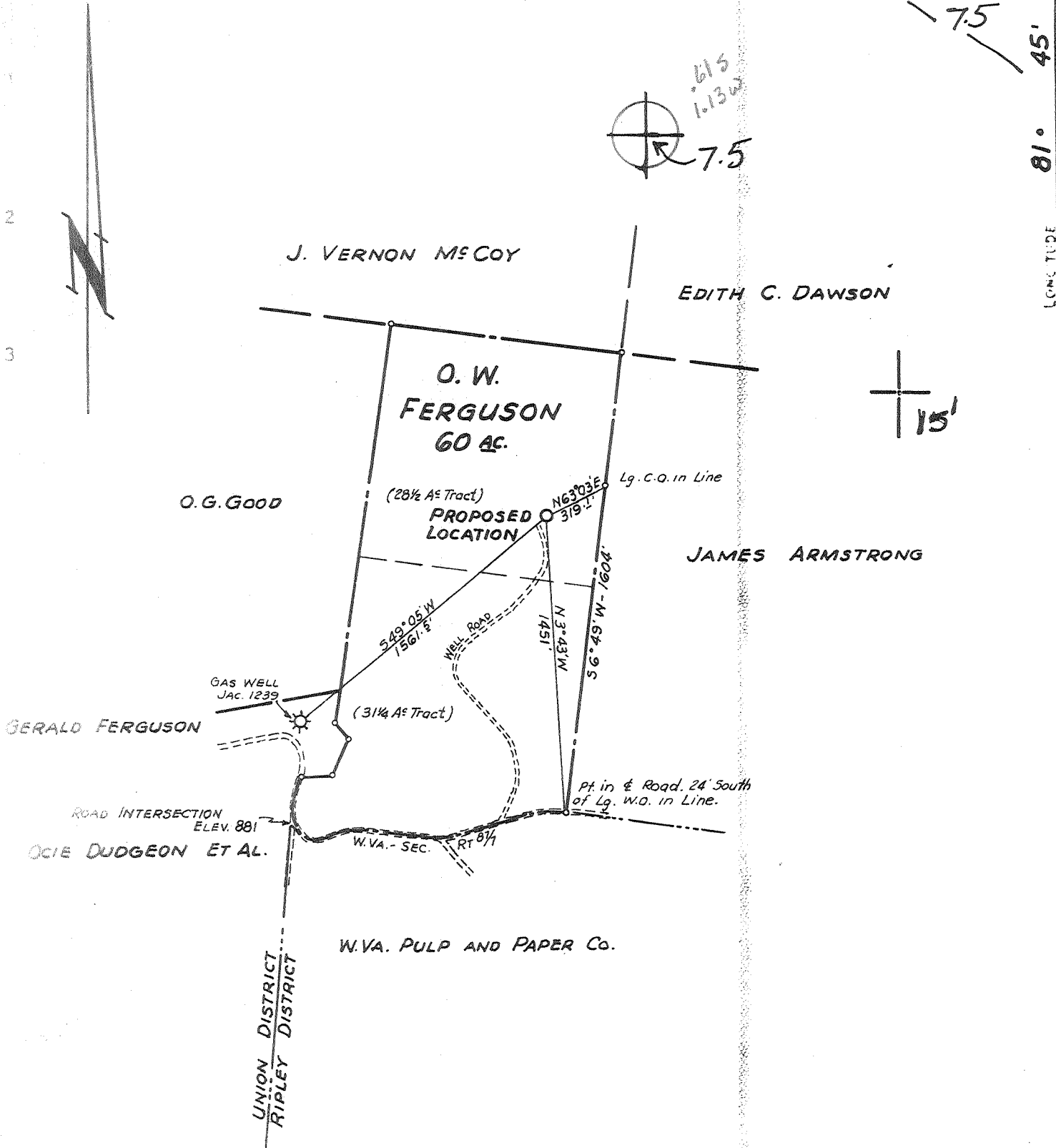


Janice 5/14/90

5910'

LATITUDE 38° 55'
38° 52' 30"
7.5

LONGITUDE 81° 45'
3170'



Plugging - 3/14/90
CANCELED
Fract - 4/14/89
PARTIAL PLUG - 4/14/89

- NEW LOCATION
- RECONDITION
- DRILL DEEPER
- AI

Alliance Resources Corporation 245

COMPANY ADDRESS: P.O. Box 186-Clendenin, WVa. 25045

FARM: O.W. FERGUSON ET AL.

MAP: OV-26 ACRES: 250 AC UNIT LEASE NO: 2497

WELL (FARM) NO: 1 SERIAL NO: 819-1375

ELEVATION (SPIRIT LEVEL): 857.3'

QUADRANGLE: RAVENSWOOD S.E. 15/ Cottageville 7.5

COUNTY: JACKSON DISTRICT: UNION 4

POINT OF PROVEN ELEVATION: U.S.G.S. DATA AT ROAD INTERSECTION AS SHOWN ABOVE. (ELEV. 881')

FILE NO: MARCH 8 1971 DRAWING NO: SCALE: 1" = 660'

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: W.D. Smuckey L.L.S. # 116

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

WELL LOCATION MAP

FILE NO: JAC-1267-PP
WELL WAS PLUGGED BACK & WELL FRACED

47-035

MAR 19 1990

JAC. 1267

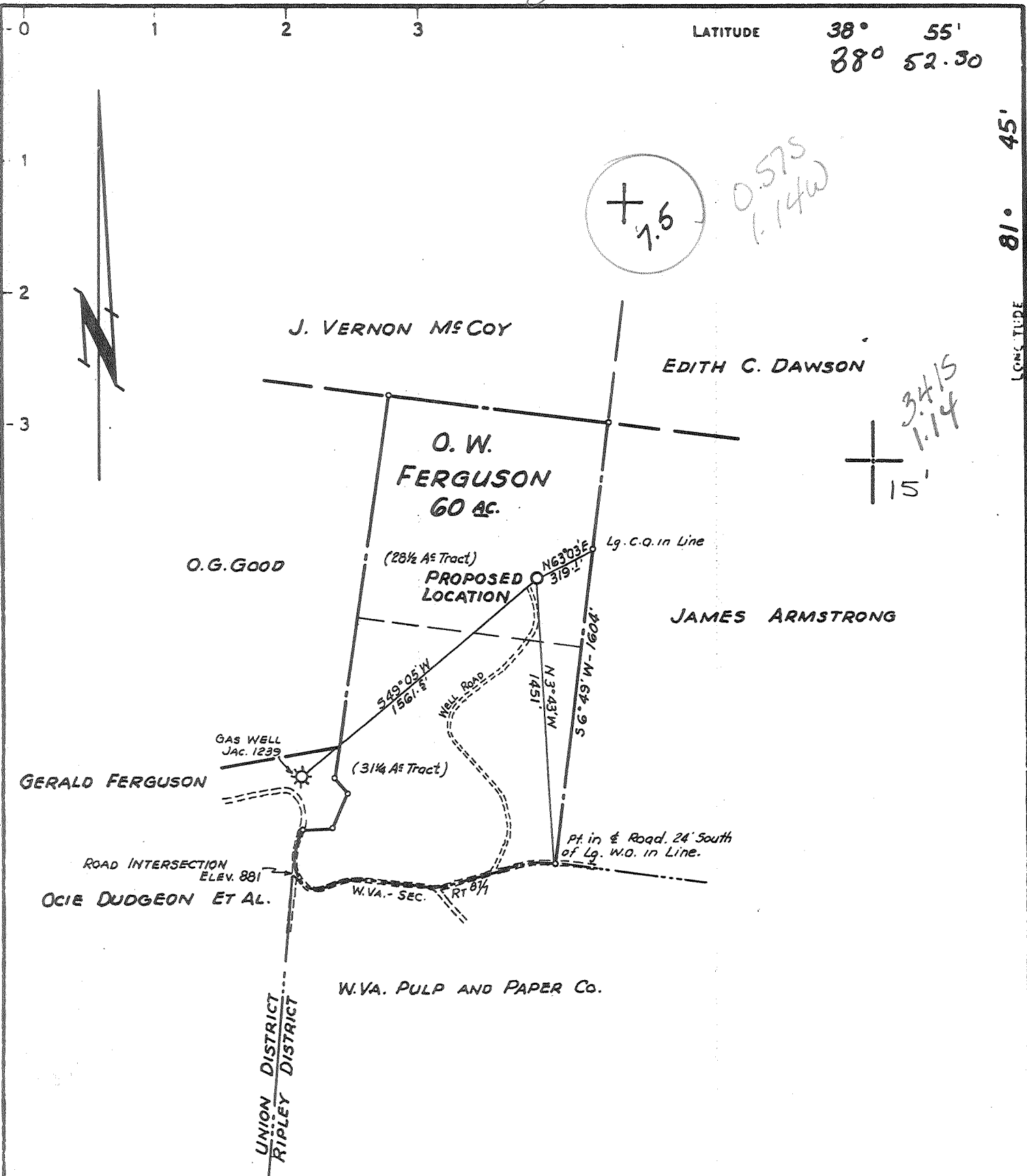
6050

3/22/71 CEN

LATITUDE

38° 55'
38° 52.30'

LONGITUDE 81° 45' 30.00'



0.575
1.14W

34.15
1.14



Frac ~~D~~ - 4/14/89
PARTIAL PLUG - 4/14/89

- NEW LOCATION
- RECONDITION
- DRILL DEEPER
- AI

CERTIFICATE

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Signed W.A. Smuckey L.L.S. # 116

Alliance Resources Corporation

COMPANY ADDRESS PO. Box 186-Clendenin, WVa. 25045

FARM O.W. FERGUSON ET AL.

MAP OV-26 ACRES 250 A^c UNIT LEASE NO. 2497

WELL (FARM) NO. 1 SERIAL NO. 819 1375

ELEVATION (SPIRIT LEVEL) 857.2'

QUADRANGLE RAVENSWOOD S.E. / SANOYVILLE 7.5

COUNTY JACKSON DISTRICT UNION

POINT OF PROVEN ELEVATION U.S.G.S. DATA AT ROAD INTERSECTION AS SHOWN ABOVE. (ELEV. 881')

FILE NO. _____ DRAWING NO. _____

DATE MARCH 8 1971 SCALE 1" = 660'

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

WELL LOCATION MAP

FILE NO. JAC-1267-PP
Frac.

47-035

+ 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

APR 14 1989

JAC. 1267 PP

6050

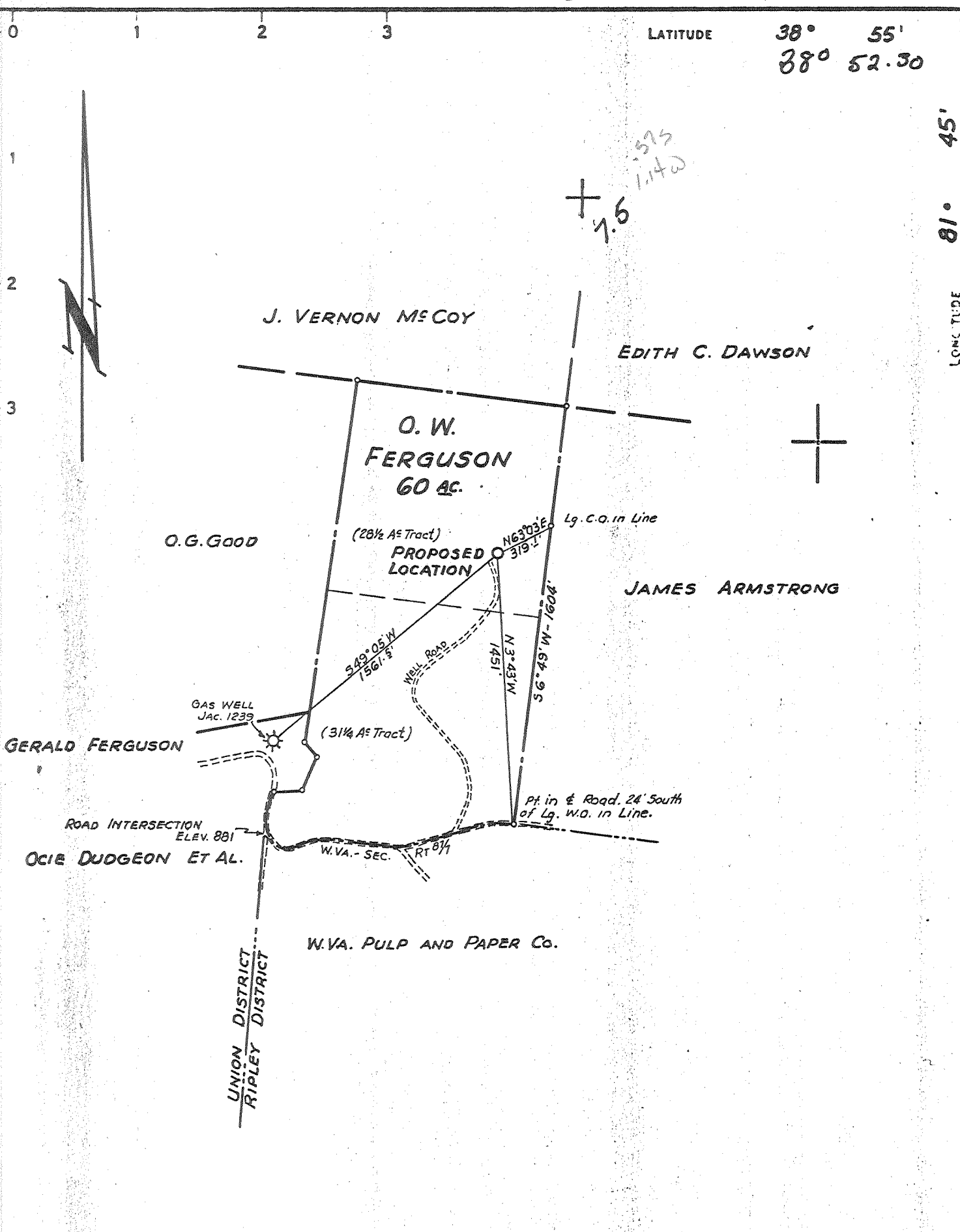
3/22/71 CEN

LATITUDE

38° 55'
38° 52.30'

LONGITUDE 81° 45'

6050



PARTIAL PLUG 3/6/78

- NEW LOCATION
- RECONDITION
- DRILL DEEPER
- ABANDONMENT

CERTIFICATE

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Minimum degree of accuracy is one part in 200

Signed W.A. Smuckey L.L.S. # 116

N.B. 110 Pg. 8-10

COMPANY DEVON CORP.

ADDRESS P.O. BOX 1433 CHARLESTON, W.VA. 25325

FARM O.W. FERGUSON ET AL.

MAP OV-26 ACRES 250 AC UNIT LEASE NO. 2497

WELL (FARM) NO. 1 SERIAL NO. 819

ELEVATION (SPIRIT LEVEL) 857.3'

QUADRANGLE RAVENSWOOD S.E. / SANOYVILLE 7.5

COUNTY JACKSON DISTRICT UNION

POINT OF PROVEN ELEVATION U.S.G.S. DATA AT ROAD INTERSECTION AS SHOWN ABOVE. (ELEV. 881')

FILE NO. _____ DRAWING NO. _____

DATE MARCH 8 1971 SCALE 1" = 660'

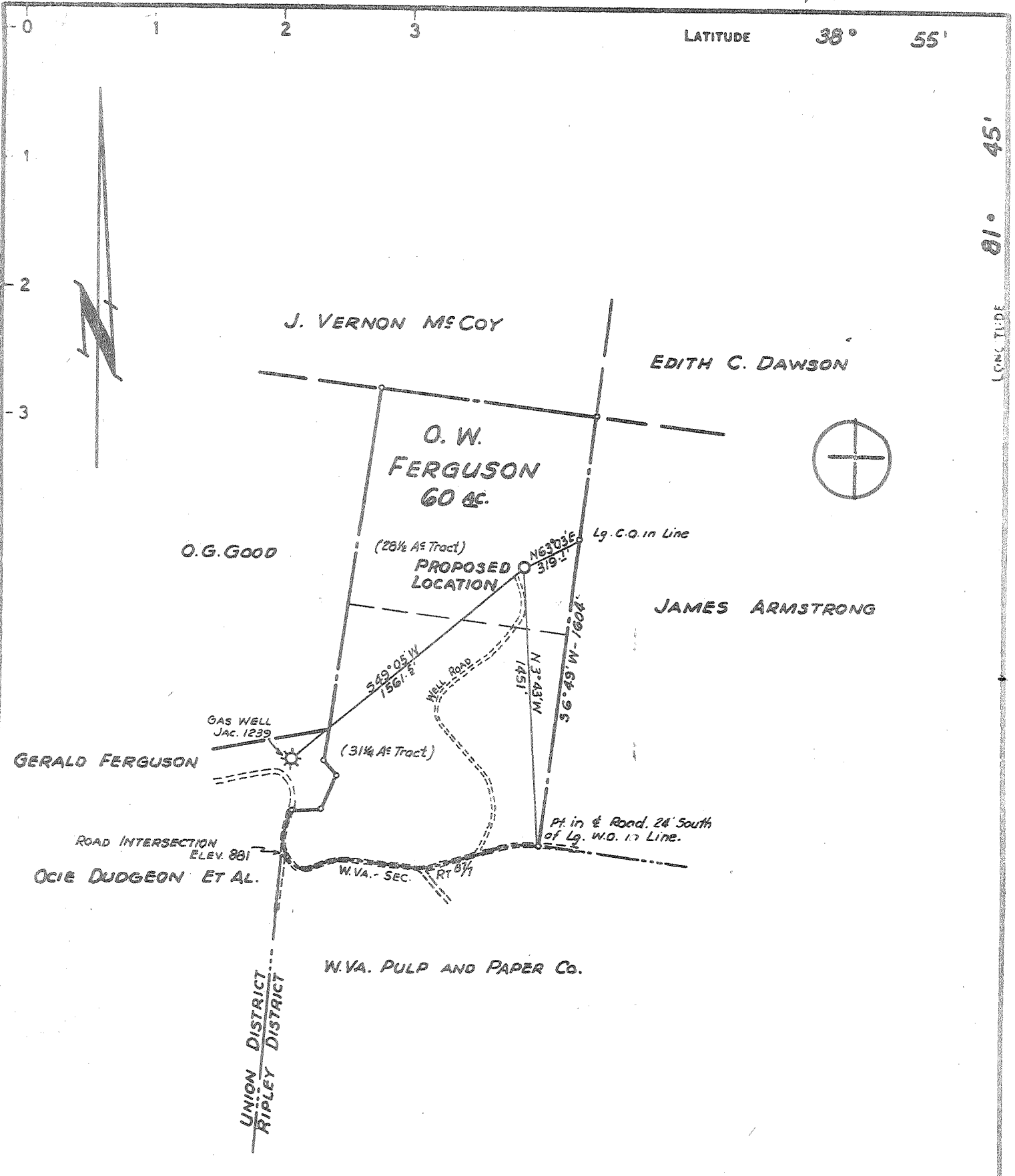
STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION
CHARLESTON
WELL LOCATION MAP

FILE NO. JAC-1267-PP
PP CANCELLED

+ 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. 47-035

-- DENOTES ONE INCH SPACES ON BORDER LINE OF ORIGINAL TRACING

DEEP WELL



PARTIAL PLUG 3/6/78

- NEW LOCATION
- RECONDITION
- DRILL DEEPER
- ABANDONMENT

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Minimum degree of accuracy is one part in 200

Signed W.D. Smully L.L.S. # 116

N.B. 110 Pg. 8-10

COMPANY	DEVON CORP.		
ADDRESS	P.O. BOX 1433 CHARLESTON, W.VA. 25325		
FARM	O.W. FERGUSON ET AL.		
MAP	OV-26	ACRES	250 AS UNIT
LEASE NO.	2497		
WELL (FARM) NO.	1	SERIAL NO.	819
ELEVATION (SPIRIT LEVEL)	857.3'		
QUADRANGLE	RAVENSWOOD SE EC		
COUNTY	JACKSON	DISTRICT	UNION
POINT OF PROVEN ELEVATION	U.S.G.S. DATA AT ROAD INTERSECTION AS SHOWN ABOVE. (ELEV. 881')		
FILE NO.	DRAWING NO.		
DATE	MARCH 8 1971		
	SCALE 1" = 660'		

CERTIFICATE

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

FILE NO. JAC-1267-PP

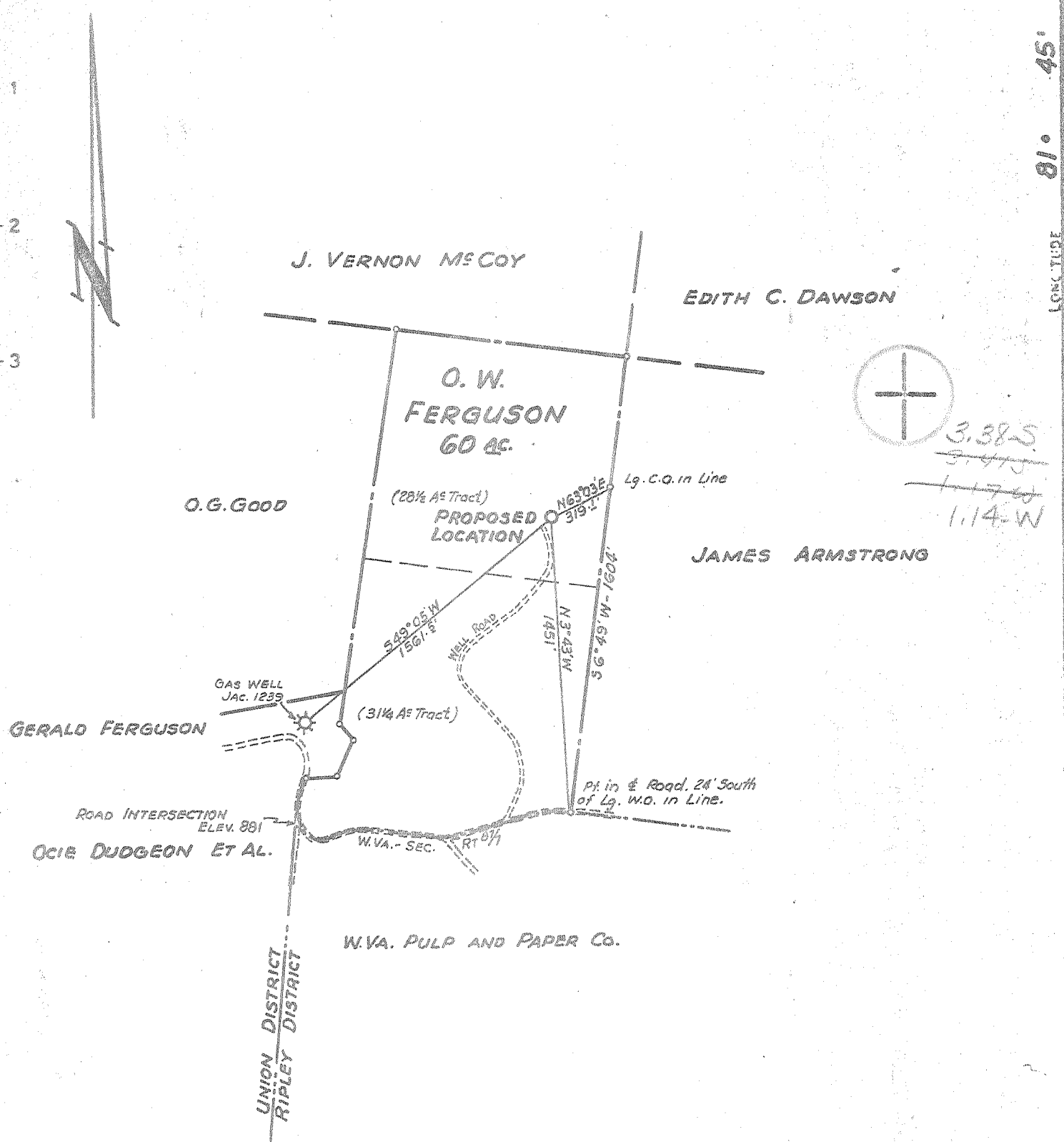
→ DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS SCALE 1 TO 62 500. LATITUDE AND LONGITUDE LINES BEING REPRESENTED BY BORDER LINES AS SHOWN

47-035

→ DENOTES ONE INCH SPACES ON BORDER LINE OF ORIGINAL TRACING

Deep Well

MAR 13 1978



CERTIFICATE

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Minimum degree of accuracy is one part in 200
 Signed W.A. Smuck L.L.S. # 116

- NEW LOCATION
- RECONDITION
- DRILL DEEPER
- ABANDONMENT

N.B. 110 Ps. 8-10

COMPANY	COMMONWEALTH GAS CORPORATION		
ADDRESS	P.O. BOX 1433 CHARLESTON, W.VA. 25325		
FARM	O.W. FERGUSON ET AL.		
MAP	OV-26	ACRES 250 A ^c UNIT	LEASE NO 2497
WELL (FARM) NO.	1	SERIAL NO.	819
ELEVATION (SPIRIT LEVEL)	857.3'		
QUADRANGLE	RAVENSWOOD SE. EC		
COUNTY	JACKSON	DISTRICT	UNION
POINT OF PROVEN ELEVATION	U.S.G.S. DATA AT ROAD INTERSECTION AS SHOWN ABOVE. (ELEV. 881')		
FILE NO.	DRAWING NO.		
DATE	MARCH 8 1971	SCALE	1" = 660'

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION
CHARLESTON
WELL LOCATION MAP
FILE NO. <u>JAC-1267</u>
+ 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 IF ORIGINAL TRACING

D 6-6 Ripley 311

Deep Well (Newburg)

MAR 29 1971



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Rotary
Spudder
Cable Tools
Storage E. MOLT
Oil or Gas Well Gas
(KIND)

Quadrangle Ravenswood S.E.

WELL RECORD

Permit No. Jac-1267

Company COMMONWEALTH GAS CORPORATION
Address P.O. Box 1433, Charleston, W.Va. 25325
Farm O. W. Ferguson Acres 250 Unit
Location (waters) Loglick Run
Well No. 819 Elev. 857.7
District Union County Jackson
The surface of tract is owned in fee by O. W. Ferguson, et al.
P.O. Box 142 Address Chester, W.Va.
Mineral rights are owned by Same
Address Same

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13 -3/8"	160'	160'	
10			Size of
9-5/8"	2202.59	2202.59	
7"	5404'	5404'	Depth set
5 3/16			
3			Perf. top <u>PSI Nipple</u>
2 -3/8"	5404'	5404'	Perf. bottom
Liners Used			Perf. top
			Perf. bottom

Drilling commenced April 18, 1971
Drilling completed May 2, 1971
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"; 150 bags behind the 9-5/8"; 100 bags behind the 7"
COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
_____ FEET _____ INCHES
_____ FEET _____ INCHES

WELL FRACTURED Newburg frac with 625 bbls. water and 25000# sand 5427' to 5432'

RESULT AFTER TREATMENT 6,100,000 cu. ft. 6,100 MCFGPD Newburg
ROCK PRESSURE AFTER TREATMENT _____
Fresh Water _____ Feet _____ Salt Water _____ Feet _____

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Shale			0	40			
Sand & Shale			40	178			
Sand			178	215			
Shale			215	234			
Sand & Shale			234	263			
Shale			263	490			
Sand & Shale			490	559			
Shale			559	632			
Sand			632	866			
Shale			866	870			
Sand & Shale			870	1250			
Sand - SALT SANDS??			1250	1715			
Sand & Shale			1715	1863			
Big Lime			1863	1926			
Break			1926	1952			
Big Injun			1952	2087			
Sand & Shale			2087	2424			
Berea Sand			2424	2427			
Shale			2427	4634			
Onondaga - 463			4634	4728			
Oriskany Sand			4728	4746			
Lime - HELDERBERG # SALINA			4746	5426			
Newburg Sand			5426	5430	Gas	5427-5430'	
Lime McKenzie			5429	5447			
			30	545			
			TOTAL DEPTH	5447 (log)			

RECEIVED
JUN 23 1971

STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS
 WELL WORK PERMIT APPLICATION

- 1) Well Operator: Alliance Resources Corp ¹³⁷⁵ 1375 (4) 5-97
- 2) Operator's Well Number: 1375 3) Elevation: 857.7'
- 4) Well type: (a) Oil / or Gas /
 (b) If Gas: Production / Underground Storage /
 Deep / Shallow /
- 5) Proposed Target Formation(s): Devonian Shale
- 6) Proposed Total Depth: 4200 feet
- 7) Approximate fresh water strata depths: 110'
- 8) Approximate salt water depths: 1342'
- 9) Approximate coal seam depths: N/A
- 10) Does land contain coal seams tributary to active mine? Yes / No /
- 11) Proposed Well Work: Plug back from 5447 to 4200, fracture and produce Devonian shale. - Run Bond Log & Squeeze 2" Before Fracing well.
- 12)

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Existing Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Conductor	13 3/8"			160'	160'	surface
Fresh Water	"			"	"	"
Coal						
Intermediate	9 5/8 "			2202.59'	2202.59'	450 sx
Production	7"		23#	5404'	5404'	100 sx
Tubing						
Liners						

RECEIVED
 APR 13 1989

PACKERS : Kind _____
 Sizes _____
 Depths set _____

DIVISION OF OIL & GAS
 DEPARTMENT OF ENERGY

For Division of Oil and Gas Use Only

1059
 Fee(s) paid: Well Work Permit Reclamation Fund WPCP
 Plat WW-9 WW-2B Bond Bla - KET Agent
 (Type)

RECEIVED
APR 13 1989

1) Date: 4/11/89
2) Operator's well number
O. W. Ferguson #1
3) API Well No: 47 - 035 - 1267-PP-FRAC
State - County - Permit

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY
STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

- 4) Surface Owner(s) to be served:
- (a) Name Ralph H. Ferguson
Address Rt. 1 Box 177
Gallipolis, Ohio 45631
- (b) Name _____
Address _____
- (c) Name _____
Address _____
- 5) (a) Coal Operator:
Name _____
Address _____
- (b) Coal Owner(s) with Declaration
Name Same
Address Same
- (c) Coal Lessee with Declaration
Name _____
Address _____
- 6) Inspector Jerry Tephabock
Address Rt. 1 Box 101-A
Ripley, WV 25271
Telephone (304)- 372-6805

TO THE PERSON(S) NAMED ABOVE TAKE NOTICE THAT:

_____ Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas OR

X Included is the information required by Chapter 22B, Article 1, Section 8(d) of the Code of West Virginia (see page 2)

I certify that as required under Chapter 22B of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through _____ on the above named parties, by:

- X Personal Service (Affidavit attached)
_____ Certified Mail (Postmarked postal receipt attached)
_____ Publication (Notice of Publication attached)

I have read and understand Chapter 22B and 38 CSR 11-18, and I agree to the terms and conditions of any permit issued under this application.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete.

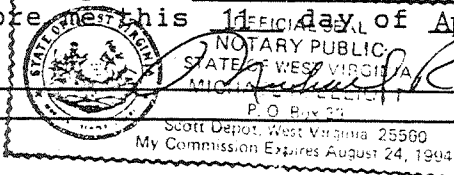
I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Well Operator Alliance Resources Corp
By: Christopher A. Farmer
Its: Agent
Address P.O. Box 186
Clendenin, WV 25045

Telephone 548-4129

Subscribed and sworn before me this 11th day of April, 1989

Michael R. Elliott
My commission expires _____



Michael R. Elliott Notary Public