

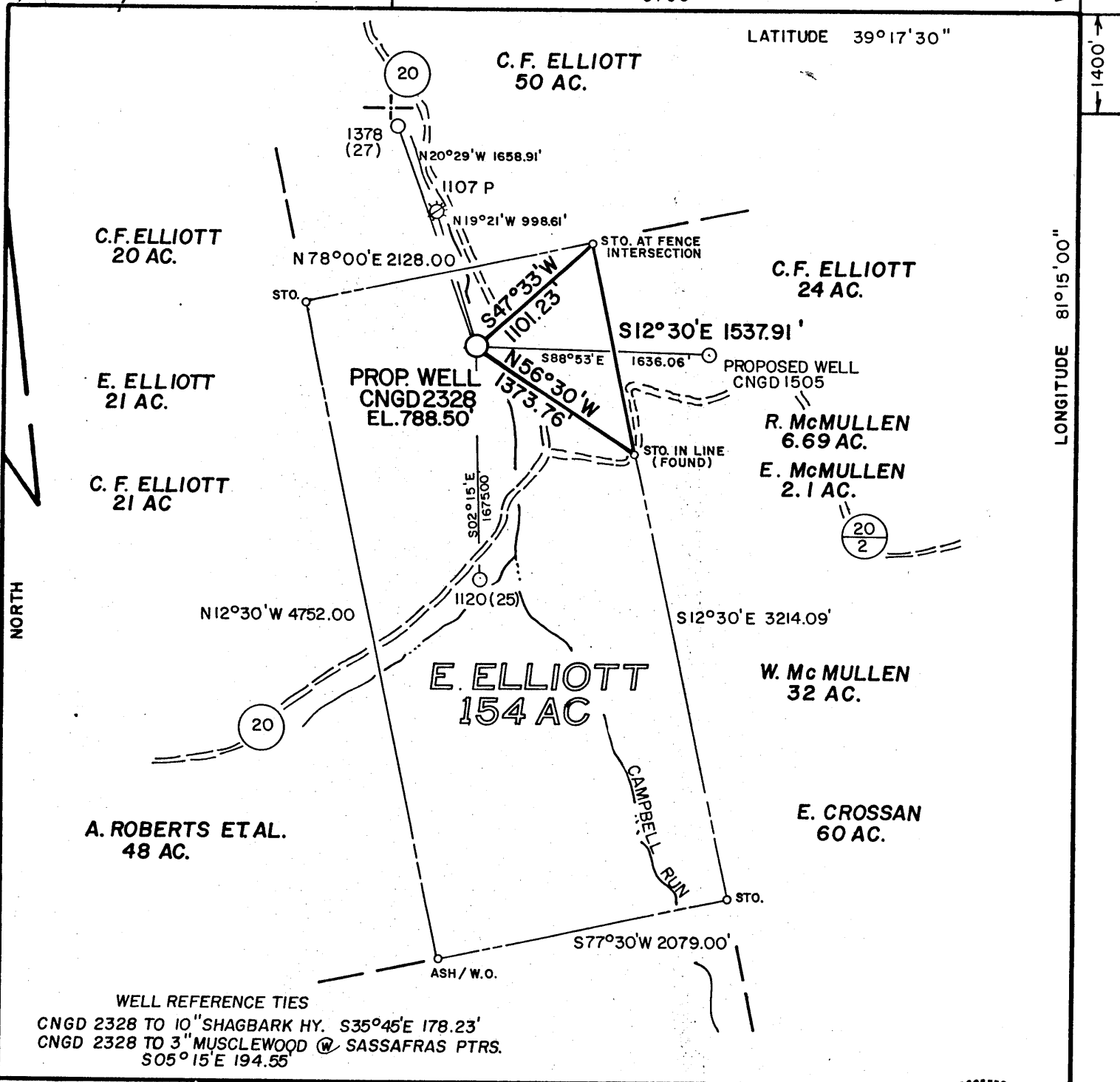
MS 1/13/86

9700'

LATITUDE 39°17'30"

1400'

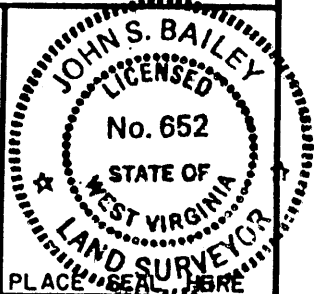
LONGITUDE 81°15'00"



WELL REFERENCE TIES
 CNGD 2328 TO 10" SHAGBARK HY. S35°45'E 178.23'
 CNGD 2328 TO 3" MUSCLEWOOD @ SASSAFRAS PTRS.
 S05°15'E 194.55'

FILE NO. MSES 85-688
 DRAWN BY RVS/PAT
 SCALE 1"=1000'
 MINIMUM DEGREE OF ACCURACY 1 PART IN 200
 PROVEN SOURCE OF ELEVATION ROAD JCT. 900' SOUTH EAST OF LOC. 731.00'

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF MINES.
 (SIGNED) John S. Bailey
 R. P. E. _____ L. L. S. 652



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-6
 (8-78)



Department of Mines
 Oil & Gas Division

DATE NOVEMBER 20, 1985
 OPERATOR'S WELL NO. CNGD 2328
 API WELL NO. 47-107-1398
 STATE COUNTY PERMIT

CANCELLED

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS", PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X)
 LOCATION: ELEVATION 788.50' WATER SHED CAMPBELL RUN TRIBUTARY OF BULL CREEK
 DISTRICT WALKER COUNTY WOOD
 QUADRANGLE WILLOW ISLAND 7.5' NEAREST TOWN BORLAND
 SURFACE OWNER EDGAR ELLIOTT ACREAGE 154
 OIL & GAS ROYALTY OWNER EDGAR ELLIOTT LEASE ACREAGE 154
 LEASE NO. DV-594
 PROPOSED WORK: DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) ___

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION DEVONIAN SHALE ESTIMATED DEPTH 3750'
 WELL OPERATOR CNG DEVELOPMENT COMPANY DESIGNATED AGENT GARY A. NICHOLAS
 ADDRESS ONE PARK RIDGE CENTER ADDRESS CROSSWIND CORPORATE PARK
P.O. BOX 15746 ROUTE 2 BOX 698
PITTSBURGH, PA. 15244 BRIDGEPORT, W.V. 26330

MAR 4 1988

WOOD 1598

85 1/13/86

PLOT

9700'

39 20

CODE

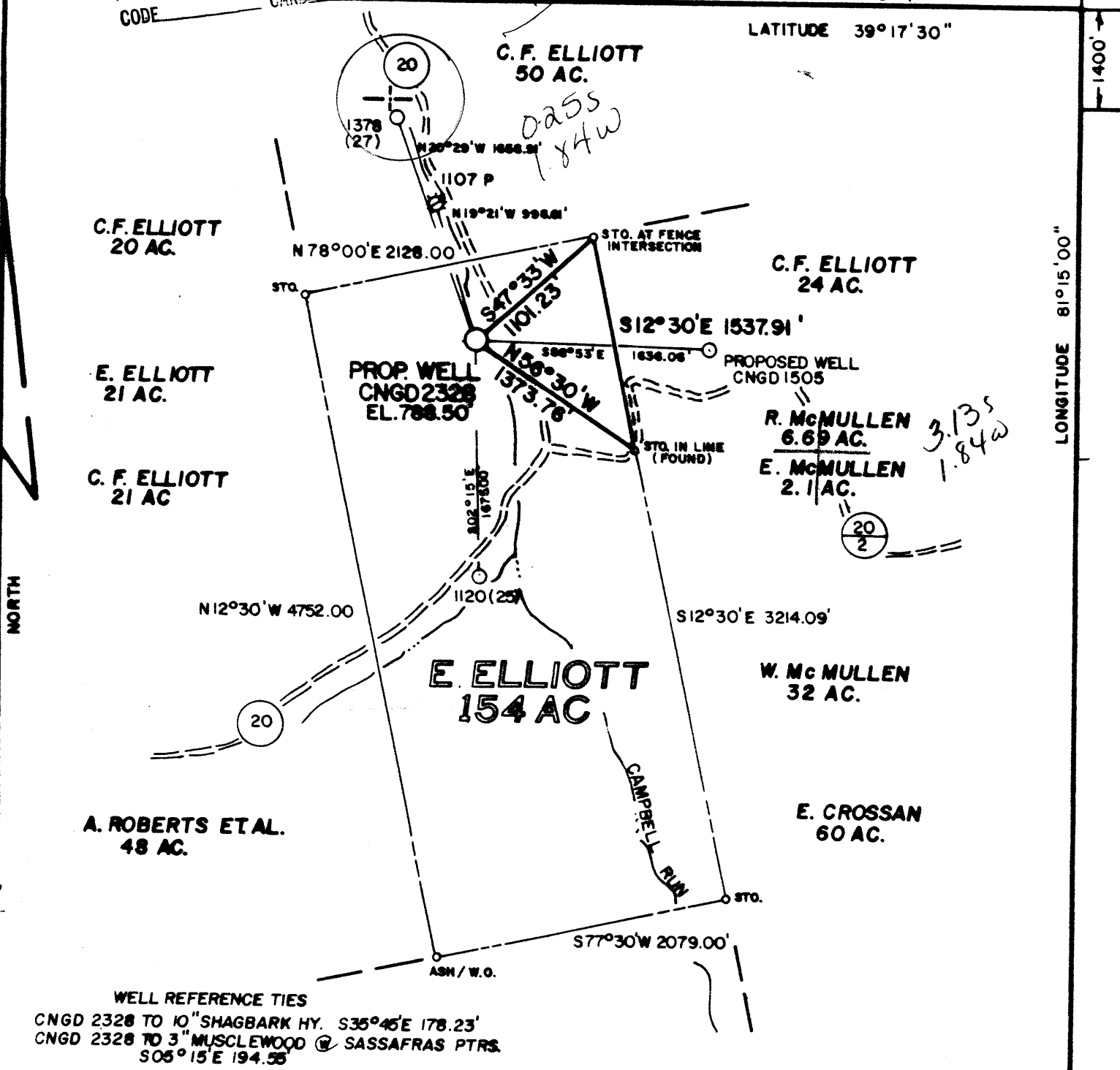
CARD

LATITUDE 39°17'30"

1400'

LONGITUDE 81°15'00"

NORTH

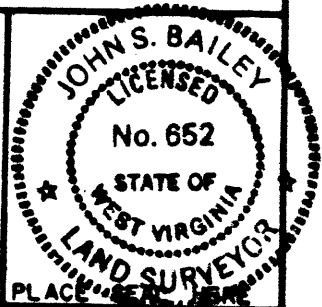


WELL REFERENCE TIES

CNGD 2328 TO 10" SHAGBARK HY. S35°45'E 178.23'
 CNGD 2328 TO 3" MUSCLEWOOD @ SASSAFRAS PTRS.
 S05°15'E 194.55'

FILE NO. MSES 85-686
 DRAWN BY RVS/PAT
 SCALE 1"=1000'
 MINIMUM DEGREE OF ACCURACY 1 PART IN 200
 PROVEN SOURCE OF ELEVATION ROAD JCT. 900' SOUTH EAST OF LOC. 731.00'

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 (SIGNED) John S. Bailey
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 FORM IV-6
 (8-78)



Department of Mines
 Oil & Gas Division

DATE NOVEMBER 20, 1985
 OPERATOR'S WELL NO. CNGD 2328
 API WELL NO. 47-107-1398
 STATE COUNTY PERMIT

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS", PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X)
 LOCATION: ELEVATION 788.50' WATER SHED CAMPBELL RUN TRIBUTARY OF BULL CREEK
 DISTRICT WALKER 9 COUNTY WOOD
 QUADRANGLE WILLOW ISLAND 7.5' NEAREST TOWN BORLAND
 SURFACE OWNER EDGAR ELLIOTT ACREAGE 154
 OIL & GAS ROYALTY OWNER EDGAR ELLIOTT LEASE ACREAGE 154
 LEASE NO. DY-594
 PROPOSED WORK: DRILL X CONVERT ___ DRILL DEEPER F REDRILL ___ FRACTURE OR STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) ___

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION DEVONIAN SHALE ESTIMATED DEPTH 3780'
 WELL OPERATOR CNG DEVELOPMENT COMPANY DESIGNATED AGENT GARY A. NICHOLAS
 ADDRESS ONE PARK RIDGE CENTER P.O. BOX 15746 PITTSBURGH, PA. 15244 ADDRESS CROSSWIND CORPORATE PARK ROUTE 2 BOX 698 BRIDGEPORT, W.V. 26330

7/85

RECEIVED
JAN 8 1988



1) Date: December 23, 1985
 2) Operator's Well No. 2328
 3) API Well No. 47-107-1398
 State County Permit

STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY, 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: 788.5 / Watershed: Campbell Run
 District: Walker 142 / County: Wood / Quadrangle: Willow Island
- 6) WELL OPERATOR CNG Development Co CODE: 1010 7) DESIGNATED AGENT Gary Nicholas
 Address c/o Paul W. Garrett, P.O. Box 15746 Address Crosswind Corporate Park
Pittsburgh, PA 15244 Rt. 2, Box 698, Bridgeport, WV 26330
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
 Name Glen P. Robinson Name Sam Jack Drilling Co.
 Address Rt. 1, #6 Mt. Pleasant Estate Address P.O. Box 48
Mineralwells, WV 26150 Buckhannon, WV 26201
- 10) PROPOSED WELL WORK: Drill X / Drill deeper / Redrill / Stimulate X /
 Plug off old formation / Perforate new formation
 Other physical change in well (specify)
- 11) GEOLOGICAL TARGET FORMATION, Devonian Shale 40
- 12) Estimated depth of completed well, 3750 feet
 13) Approximate true depths: Fresh, - 38 feet; salt, - feet.
 14) Approximate coal seam depths: - Is coal being mined in the area? Yes / No X /

15) CASING AND TUBING PROGRAM

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	11-3/4	H-40	42	x		200	200	To Surface	By Rule 15.05
Coal									Sizes
Intermediate	8-5/8	X-42	23	x		1250	1250	To Surface	By Rule 15.05
Production	4-1/2	J-55	10.5	x		3750	3750	200-400	Depths set
Tubing	1-1/2	CN-55	2.75	x					By Rule 15.01
Lin.									Perforations:
									Top Bottom

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-107-1398

Date January 28 19 86

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 28, 1988 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <u>✓</u>	Agent: <u>ALB</u>	Plat: <u>MS</u>	Casing: <u>MS</u>	Fee: <u>12291</u>	WPCP: <u>MS</u>	S&E: <u>MS</u>	Other: <u> </u>
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[Signature]
 Director, Division of Oil and Gas

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