

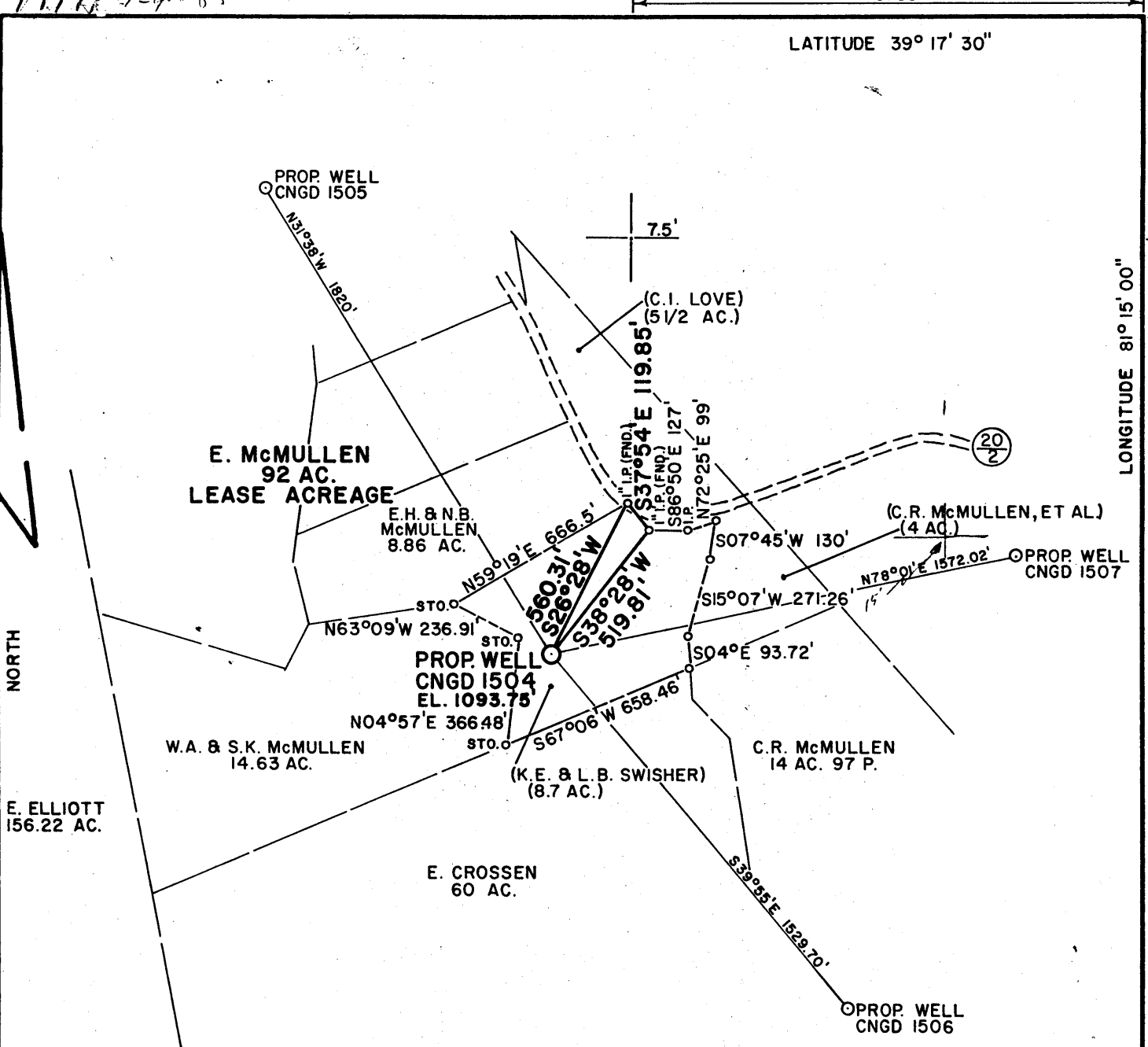
1726-1-4-85

6760'

LATITUDE 39° 17' 30"

2930'

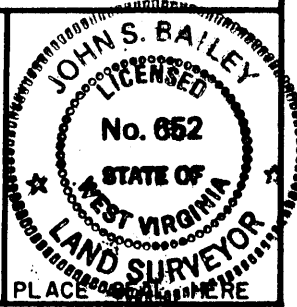
LONGITUDE 81° 15' 00"



MAGNETIC REFERENCE TIE LINES
 PROPOSED WELL TO 21" DBL. W.O. S23°07'E 122.54'
 PROPOSED WELL TO 10" W.O. S74°30'E 223.15'

FILE NO. MSES84-555
 DRAWN BY PJD
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1 IN 200
 PROVEN SOURCE OF ELEVATION INT. CO. RTS. 20 & 20/2
 2300' NW OF LOC. - EL. 731'

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 7, 1984
 OPERATOR'S WELL NO. CNGD 1504
 API WELL NO. _____
47 - 107 - 1341
 STATE COUNTY PERMIT

CANCELLED

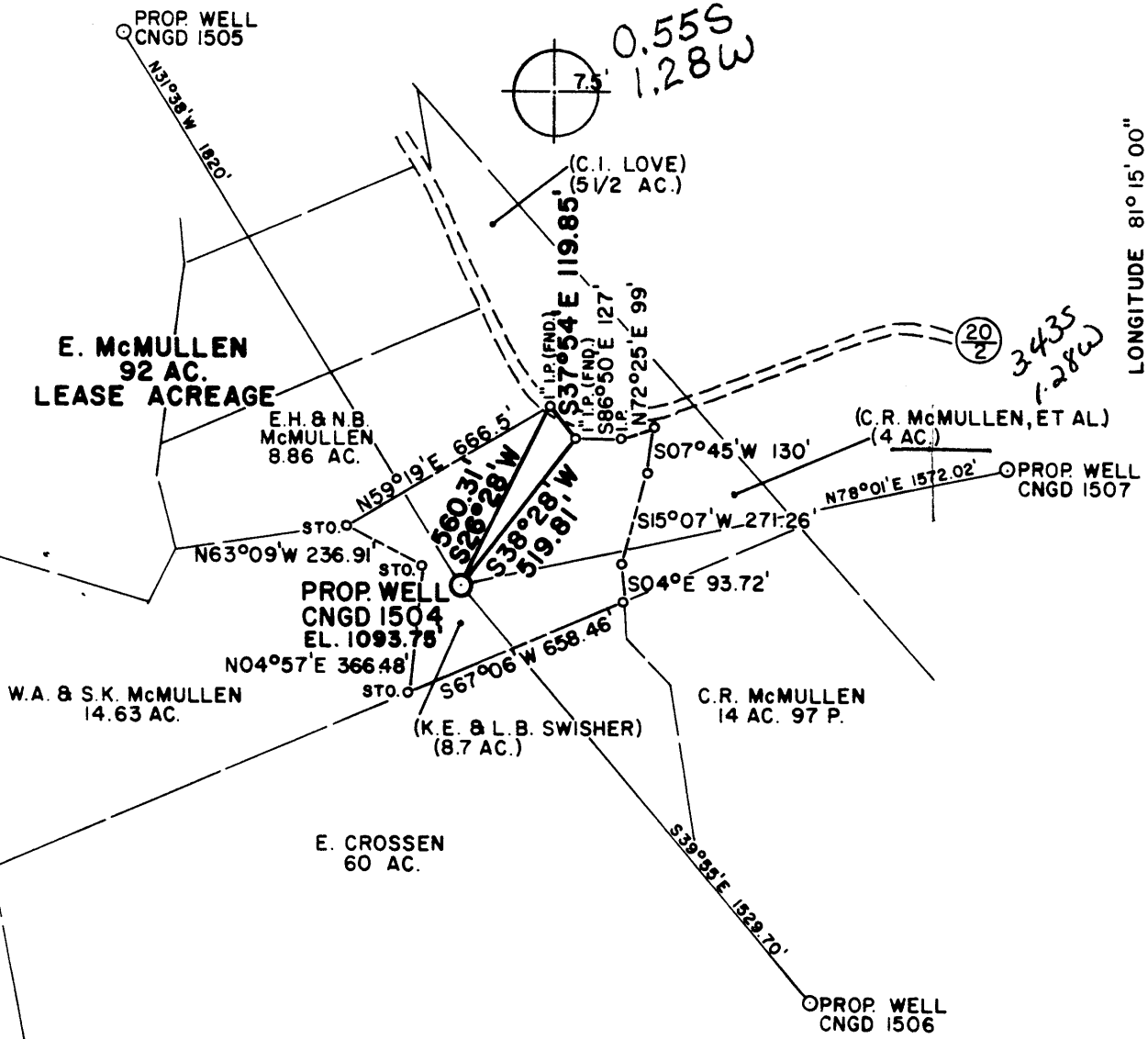
WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS", PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW X)
 LOCATION: ELEVATION 1093.75' WATER SHED CAMPBELL RUN
 DISTRICT WALKER COUNTY WOOD
 QUADRANGLE WILLOW ISLAND 7.5' 1957 (1976)
 SURFACE OWNER KENNETH E. & LILLIAN B. SWISHER ACREAGE 8.7
 OIL & GAS ROYALTY OWNER EDITH McMULLEN, ET AL. LEASE ACREAGE 92
 LEASE NO. DV-603
 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 3850' APR 13 1987
 WELL OPERATOR CNG DEVELOPMENT COMPANY DESIGNATED AGENT GARY A. NICHOLAS
 ADDRESS ONE PARK RIDGE CENTER ADDRESS RT. 2, BOX 698
PITTSBURGH, PA 15244 BRIDGEPORT, WV 26330

WOOD 1341

NORTH

E. ELLIOTT
156.22 AC.



MAGNETIC REFERENCE TIE LINES

PROPOSED WELL TO 21" DBL. W.O. S23°07'E 122.54'
PROPOSED WELL TO 10" W.O. S74°30'E 223.15'

FILE NO. MSES84-555

DRAWN BY PJD

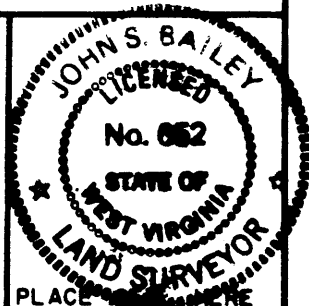
SCALE 1" = 500'

MINIMUM DEGREE OF ACCURACY 1 IN 200

PROVEN SOURCE OF ELEVATION INT. CO. RTS. 20 & 20/2
2300' NW OF LOC. - EL. 731

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 7, 1984
OPERATOR'S WELL NO. CNGD 1504
API WELL NO.

47 - 107 - 1341
STATE COUNTY PERMIT

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS", PRODUCTION ___ STORAGE X DEEP ___ SHALLOW X)

LOCATION: ELEVATION 1093.75' WATER SHED CAMPBELL RUN

DISTRICT WALKER 9 COUNTY WOOD
QUADRANGLE WILLOW ISLAND 7.5' 1957(1976) Manetta 15' SE 9

SURFACE OWNER KENNETH E. & LILLIAN B. SWISHER ACREAGE 8.7

OIL & GAS ROYALTY OWNER EDITH McMULLEN, ET AL. LEASE ACREAGE 92
LEASE NO. DV-603

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 3850'

WELL OPERATOR CNG DEVELOPMENT COMPANY DESIGNATED AGENT GARY A. NICHOLAS

ADDRESS ONE PARK RIDGE CENTER ADDRESS RT. 2, BOX 698
PITTSBURGH, PA 15244 BRIDGEPORT, WV 26330

JAN 14 1985

147



1) Date: December 4, 19 84
 2) Operator's Well No. 1504
 3) API Well No. 47 - 107 - 1341
 State _____ County _____ Permit _____

RECEIVED

DEC 10 1984

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

OIL & GAS DIVISION
 DEPT. OF MINES

- 4) WELL TYPE: A Oil X / Gas _____
 B (If "Gas", Production _____ / Underground storage _____ / Deep _____ / Shallow _____)
- 5) LOCATION: Elevation: 1093.75 Watershed: Campbell Run
 District: Walker County: Wood Quadrangle: Willow Island 7.5
- 6) WELL OPERATOR CNG Development Co. 7) DESIGNATED AGENT Mr. Gary Nicholas
 Address C/o Paul W. Garrett, P.O. Box 15746 Address Crosswind Corporate Park
Pittsburgh, PA 15244 10110 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
- 12) Estimated depth of completed well, 3850 feet
- 13) Approximate trata depths: Fresh, 3345' 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	16					20 - 30	-		Kinds
Fresh water	11 3/4	H-40	42	X		<u>250 375</u>	<u>250 375</u>	To Surface	By Rule 15.05
Coal									Sizes
Intermediate	8 5/8	X-42	23	X		1450	1450	To Surface	
Production	4 1/2	J-55	10.5	X		3850	3850	200 - 400	Depths set
Tubing	2 3/8	CW-55	4.6	X					By Rule 15.01
Liners									Perforations:
									Top Bottom

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-107-1341 Date January 4, 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 4, 1987 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Casing	Fee
<u>28</u>	<u>MW</u>	<u>MW</u>	<u>MW</u>	<u>000 989</u>

Margaret J. Hesse
 Administrator, Office of Oil and Gas

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

See the reverse side of the APPLICANT'S COPY for instructions to the well operator.

File