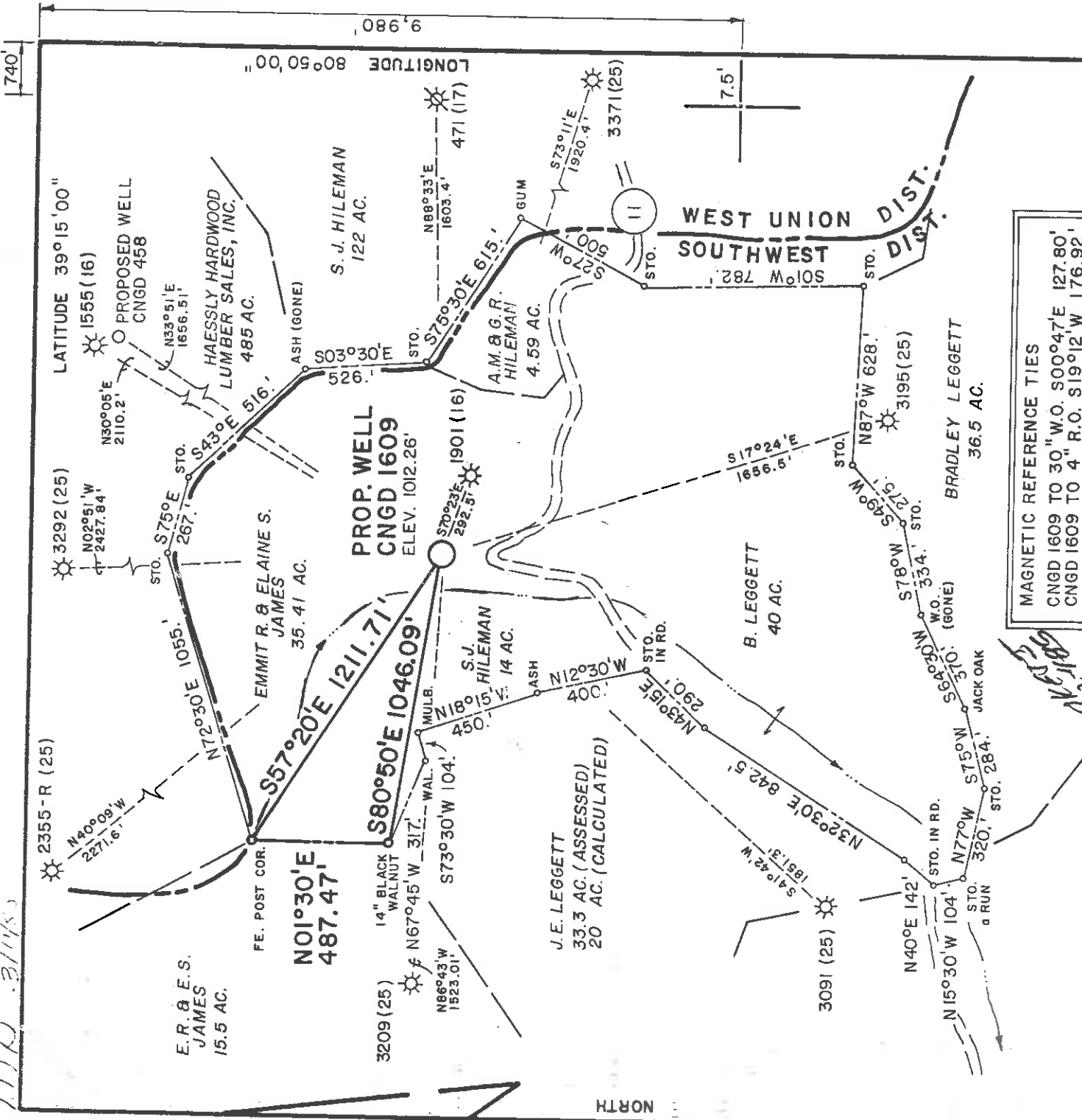


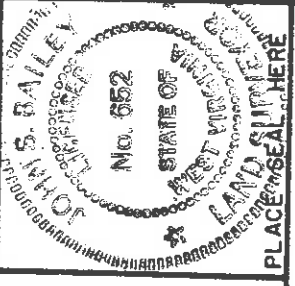
1000 31/16



MAGNETIC REFERENCE TIES  
 CNGD 1609 TO 30" W.O. S00°47'E 127.80'  
 CNGD 1609 TO 4" R.O. S19°12'W 176.92'

FILE NO. MSES 85-596  
 DRAWN BY SARC  
 SCALE 1" = 500'  
 MINIMUM DEGREE OF ACCURACY 1 PART IN 200  
 PROVEN SOURCE OF ELEVATION J.C.C. CO. R.T.S. 11.8. 21; 2800' SW OF LOC.; ELEV. 869'

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 JANUARY 9, 19 85  
 OPERATOR'S WELL NO. CNGD 1609  
 API WELL NO. 47-017-3414  
 STATE COUNTY PERMIT

CANCELLED

WELL TYPE: OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL   
 (IF "GAS", PRODUCTION  STORAGE  DEEP  SHALLOW   
 LOCATION: ELEVATION 1012.26'  
 DISTRICT SOUTHWEST COUNTY DODDRIDGE  
 QUADRANGLE OXFORD, WV 7.5'  
 SURFACE OWNER EMMIT R. & ELAINE S. JAMES ACREAGE 35.41  
 OIL & GAS ROYALTY OWNER D.M. & MARY HAUGHT LEASE NO. 16758 LEASE ACREAGE 94

PROPOSED WORK: DRILL  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 ALEXANDER ESTIMATED DEPTH 5325'  
 WELL OPERATOR CNG DEVELOPMENT COMPANY DESIGNATED AGENT GARY A. NICHOLAS  
 ADDRESS ONE PARK RIDGE CENTER ADDRESS RT. 2, BOX 698 BRIDGEPORT, WV 26330

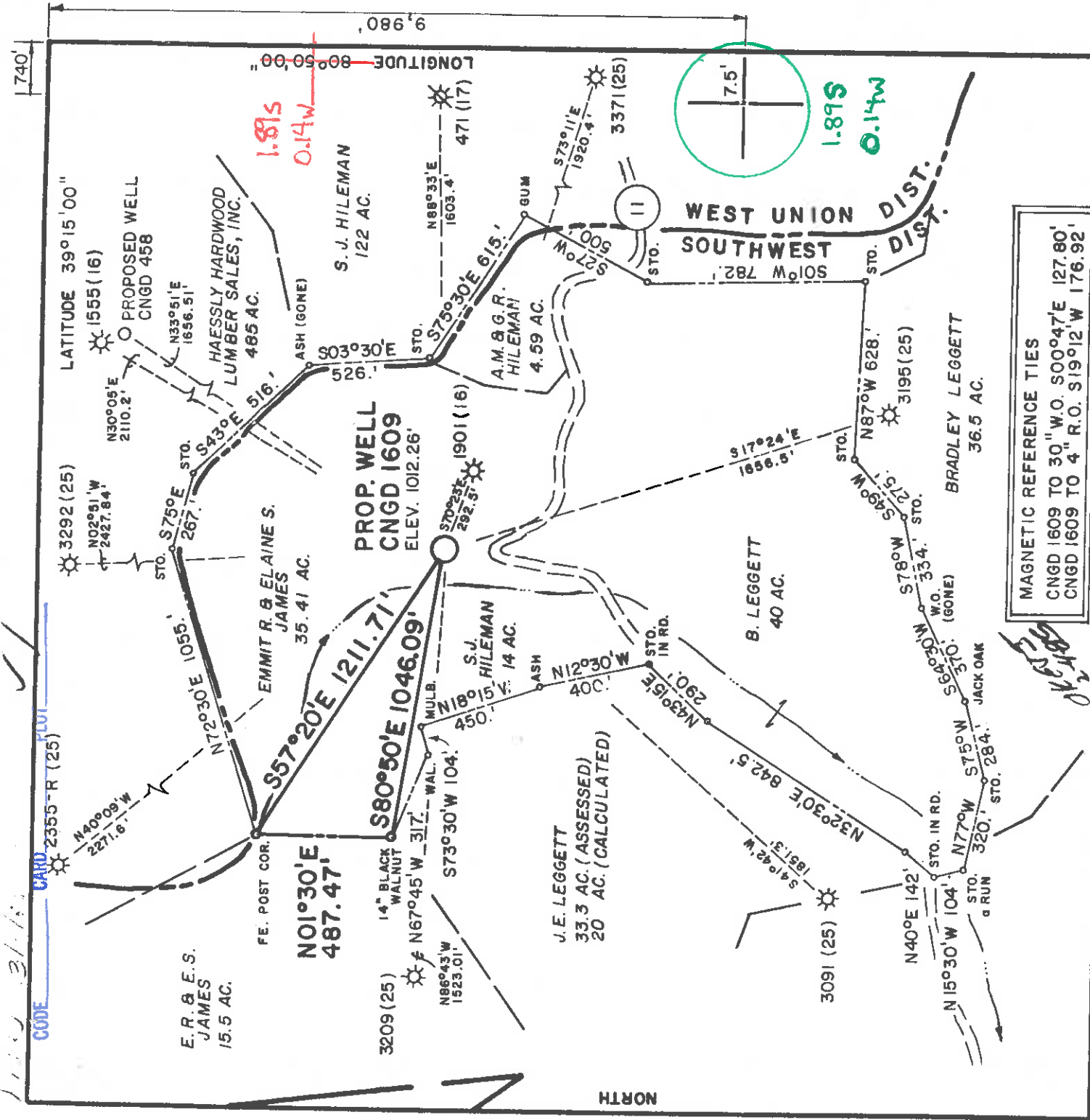
PREPARED BY M.S.E.S. consultants, inc.

Clarksburg, WV

JUL 20 1987

DODD 3414

740  
 LATITUDE 39°15'00"  
 LONGITUDE 80°50'00"

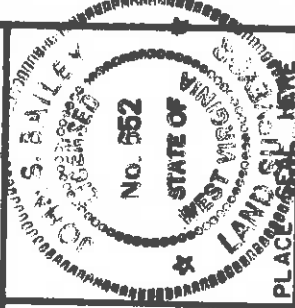


MAGNETIC REFERENCE TIES  
 CNGD 1609 TO 30" W.O. S00°47'E 127.80'  
 CNGD 1609 TO 4" R.O. S19°12'W 176.92'

FILE NO. MSES 85-596  
 DRAWN BY SARC  
 SCALE 1" = 500'  
 MINIMUM DEGREE OF ACCURACY 1 PART IN 200  
 PROVEN SOURCE OF ELEVATION J.C.I. CO. RTS. 1118.21; 2800' SW OF LOC.; ELEV. 869'

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

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) R. P. E. Bailey L.S. 652



Department of Mines  
 Oil & Gas Division

DATE JANUARY 9 19 85  
 OPERATOR'S WELL NO. CNGD 1609  
 API WELL NO. 47-017-3414  
 STATE WV COUNTY PUTNAM PERMIT

WELL TYPE: OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL   
 (IF "GAS", PRODUCTION  STORAGE  DEEP  SHALLOW   
 LOCATION: ELEVATION 1012.26' WATER SHED FREDS RUN  
 DISTRICT SOUTHWEST 7 COUNTY DODDRIDGE  
 QUADRANGLE OXFORD, WV 7.5' Holbrook 15' NCA  
 SURFACE OWNER EMMIT R. & ELAINE S. JAMES ACREAGE 35.41  
 OIL & GAS ROYALTY OWNER D.M. & MARY HAUGHT LEASE NO. 16758 LEASE ACREAGE 94

PROPOSED WORK: DRILL  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 ALEXANDER ESTIMATED DEPTH 5325'  
 WELL OPERATOR CNG DEVELOPMENT COMPANY DESIGNATED AGENT GARY A. NICHOLAS  
 ADDRESS ONE PARK RIDGE CENTER RT. 2, BOX 698 BRIDGEPORT, WV 26330

PREPARED BY MSES consultants, inc.

Clartburg 1114

MAR 25 1985



**RECEIVED**  
FEB 20 1985



1) Date: February 12, 19 85  
2) Operator's Well No. 1609  
3) API Well No. 47 - 017 - 3414  
State \_\_\_\_\_ County \_\_\_\_\_ Permit \_\_\_\_\_

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

- 4) WELL OPERATOR: DEPT. OF MINES  Gas  Production  
B (If "Gas", Production)    
5) LOCATION: Elevation: 1012.26 District: South West Undergound storage \_\_\_\_\_ Deep \_\_\_\_\_ Shallow \_\_\_\_\_  
Watershed: Freds Run County: Doddridge  
6) WELL OPERATOR: CNG Development Company 7) DESIGNATED AGENT: Gary Nicholas  
Address: One Park Ridge Center P.O. Box 15746 Address: Crosswind Corporate Park Rt 2 Box 698  
Pittsburgh, PA 15244 Bridgeport, WV 26330  
8) OIL & GAS INSPECTOR TO BE NOTIFIED: 10110 9) DRILLING CONTRACTOR:  
Name: Sam Jack Drilling Company  
Address: Rt 2 Box 114 Address: P.O. Box 48  
Sallem, WV 26426 Buckhannon, WV 26201

- 10) PROPOSED WELL WORK: Drill  deeper  Redrill  Stimulate   
Plug off old formation \_\_\_\_\_ Perforate new formation \_\_\_\_\_  
Other physical change in well (specify) \_\_\_\_\_  
11) GEOLOGICAL TARGET FORMATION: Alexander  
12) Estimated depth of completed well, 5325 feet  
13) Approximate true depths: Fresh, 2112 feet; salt, \_\_\_\_\_ feet.  
14) Approximate coal seam depths: \_\_\_\_\_ feet. Is coal being mined in the area? Yes \_\_\_\_\_ No \_\_\_\_\_

15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		PACKERS
	Size	Grade	Weight per ft.	For drilling	Left in well	
Conductor	11-3/4	H-40	42	X		
Fresh water				<u>1450</u>	<u>1450</u>	By Rule 15.05
Coal						
Intermediate	8-5/8	X-42	23	X		
Production	4-1/2	J-55	10.5	X	<u>1950</u>	By Rule 15.05
Tubing	1-1/2	CN-55	2.75	X	<u>5325</u>	Depths set
Liners						By Rule 15.01
						Perforations: _____
						Top _____ Bottom _____

OFFICE USE ONLY  
DRILLING PERMIT

Permit number 47-017-3414

March 13, 19 85

Date

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 March 13, 1987 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Casing	Fee
<u>28</u>	<u>YC</u>	<u>MW</u>	<u>MW</u>	<u>006958</u>

*Margaret J. Xasou*  
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

