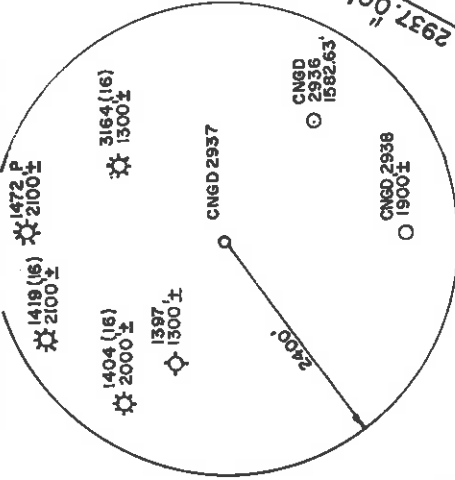


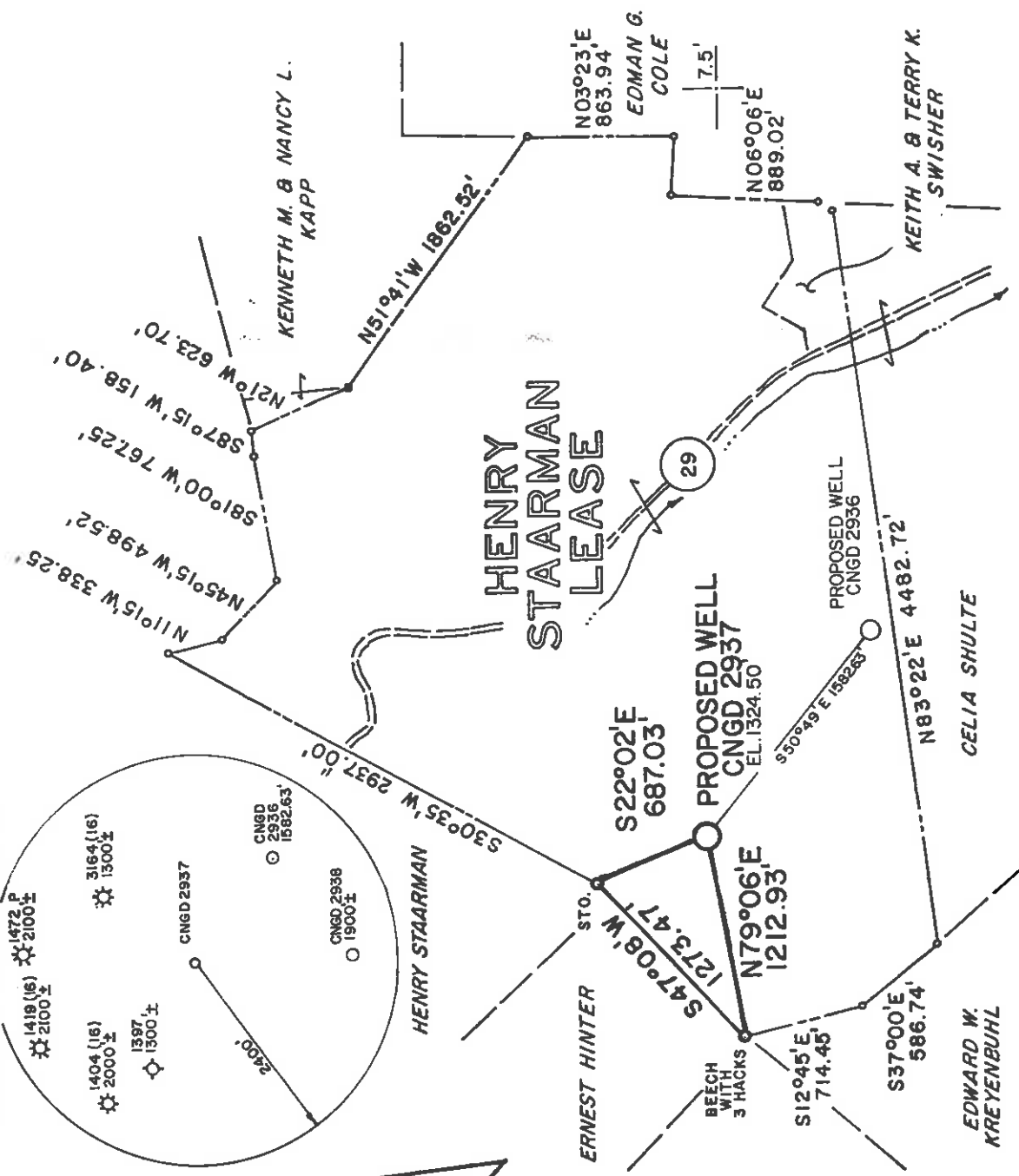
(-|-) DENOTES LOCATION OF WELL ON U.S.G.S. TOPOGRAPHIC MAP



HENRY STAARMAN

LATITUDE 39°10'00"

LONGITUDE 80°42'30"



MAGNETIC REFERENCE TIES

N 38°42'W 245.01' TO A 12" C.O.
N 44°38'W 210.89' TO A 14" HY.

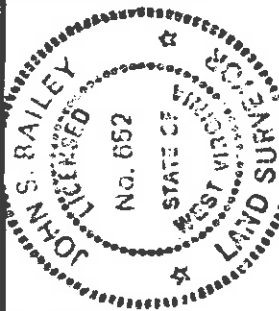
PJH 5-27-87

MSES consultants, inc.

FILE NO. MSES 87-769
DRAWN BY JSB/RVS
SCALE 1" = 1000'
MIN. DEGREE OF ACCURACY 1/200
PROVEN SOURCE OF ELEVATION
ELEV. 888'.5700 SE OF LOCATION

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



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION



DATE MAY 7, 1987
OPERATOR'S WELL NO. CNGD 2937
API WELL NO. 47-017-3561
STATE COUNTY PERMIT

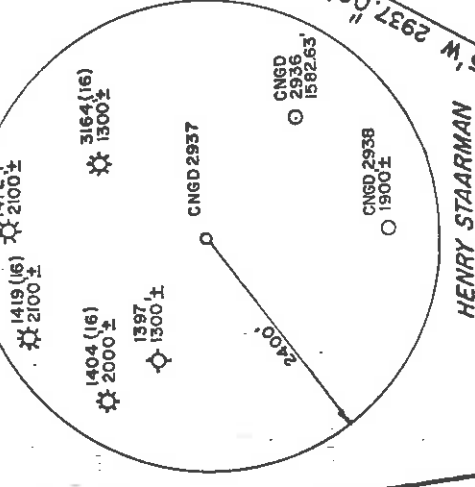
WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
IF "GAS", PRODUCTION STORAGE DEEP SHALLOW
LOCATION: ELEVATION 1324.50' WATERSHED BUCK RUN OF HUGHES RIVER
DISTRICT COVE COUNTY DODDRIDGE
QUADRANGLE NEW MILTON, WV 7.5' NEAREST TOWN LEOPOLD
SURFACE OWNER HENRY STAARMAN ACREAGE 329
OIL & GAS ROYALTY OWNER HENRY STAARMAN LEASE ACREAGE 331

PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE
PLUG OFF OLD FORMATION PERFORATE NEW FORMATION
OTHER PHYSICAL CHANGE IN WELL (SPECIFY) SEP 29 1989
PLUG AND ABANDON CLEAN OUT AND REPLUG
TARGET FORMATION DEVONIAN SHALE ESTIMATED DEPTH 5880'
WELL OPERATOR CNG DEVELOPMENT COMPANY DESIGNATED AGENT GARY A. NICHOLAS
ADDRESS P.O. BOX 15746 ROUTE 2, BOX 698
PITTSBURGH, PA 15244 BRIDGEPORT, WV 26330

Dodd 3561

FORM IV-6

(-|-) DENOTES LOCATION OF WELL ON U.S.G.S. TOPOGRAPHIC MAP



LATITUDE 39°10'00"

LONGITUDE 80°42'30"

1575'

KENNETH M. & NANCY L. KAPP

HENRY STAARMAN LEASE

ERNEST HINTER

EDMAN G. COLE

BEECH WITH 3 HACKS

EDWARD W. KREYENBUHL

CELIA SHULTE

KEITH A. & TERRY K. SWISHER

STO.

PROPOSED WELL CNGD 2937 EL. 1324.50

PROPOSED WELL CNGD 2936

29

MAGNETIC REFERENCE TIES
N 38°42' W 245.01' TO A 12" C.O.
N 44°38' W 210.89' TO A 14" HY.

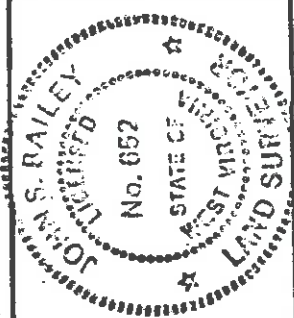
PJH 5-27-87

MSES consultants, inc.

FILE NO. MSES 87-769
DRAWN BY JSB/RVS
SCALE 1" = 1000'
MIN. DEGREE OF ACCURACY 1/200
PROVEN SOURCE OF ELEVATION
ELEV. 888, 5700, SE OF LOCATION

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



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION



DAYE MAY 7, 1987
OPERATOR'S WELL NO. CNGD 2937
API WELL NO. 47-017-3561
STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
IF "GAS", PRODUCTION STORAGE DEEP SHALLOW
LOCATION: ELEVATION 1324.50' WATERSHED BUCK RUN OF HUGHES RIVER
DISTRICT COVE COUNTY DODDRIDGE
QUADRANGLE NEW MILTON, WV 7.5' 511
SURFACE OWNER HENRY STAARMAN ACREAGE 329
OIL & GAS ROYALTY OWNER HENRY STAARMAN LEASE ACREAGE 331

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
LEASE NO. DV 17700
TARGET FORMATION DEVONIAN SHALE ESTIMATED DEPTH 5880'
WELL OPERATOR CNG DEVELOPMENT COMPANY DESIGNATED AGENT GARY A. NICHOLAS
ADDRESS P. O. BOX 15746 PITTSBURGH, PA 15244
BRIDGEPORT, WV 26330

FORM WV-2 (B) FILE COPY
 RECEIVED
 JUN 15 1987



1) Date: May 27, 19 87
 2) Operator's Well No. CNGD 2937
 3) API Well No. 47 017 3561
 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 B (If "Gas", Production Shallow
 5) LOCATION: Elevation: 1324.5 Undergrnd storage Buck Run of Hughes River
 District: Cove Watershed: Doddridge Quadrangle: New Milton 510
 6) WELL OPERATOR: Development Co. CODE: 10110 7) DESIGNATED AGENT Gary Nicholas
 Address c/o Cheryl S. Hattle 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
 Name Mike Underwood Name Sam Jack Drilling Co.
 Address Route 2, Box 114 Address P.O. Box 48
Salem, 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) Alexander

11) GEOLOGICAL TARGET FORMATION, 5880 feet
 12) Estimated depth of completed well, 5880 feet.
 13) Approximate traia depths: Fresh, No info available salt, No info available
 14) Approximate coal seam depths: No info available Is coal being mined in the area? Yes No

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	11-3/4	H-40	42	X		250 40	To surface	By rule 15.05
Fresh water								
Coal	8-5/8	X-42	23	X		1625	To surface	By rule 15.05
Intermediate	4-1/2	J-55	10.5	X		5880	200 - 400	Depths set
Production	1-1/2	CN-55	2.75	X				By rule 15.01
Tubing								Perforations:
Liners								Top
								Bottom

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-017-3561 Date July 2 19 87

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.

Bond: <input checked="" type="checkbox"/>	Agent: <input checked="" type="checkbox"/>	Plat: <input checked="" type="checkbox"/>	Casing: <input checked="" type="checkbox"/>	Fee: <u>1345</u>	MPCP: <input checked="" type="checkbox"/>	SAFE: <input checked="" type="checkbox"/>	Other: <input type="checkbox"/>
				<u>211</u>			

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.
 Director, Division of Oil and Gas
John H. Johnston

10301

