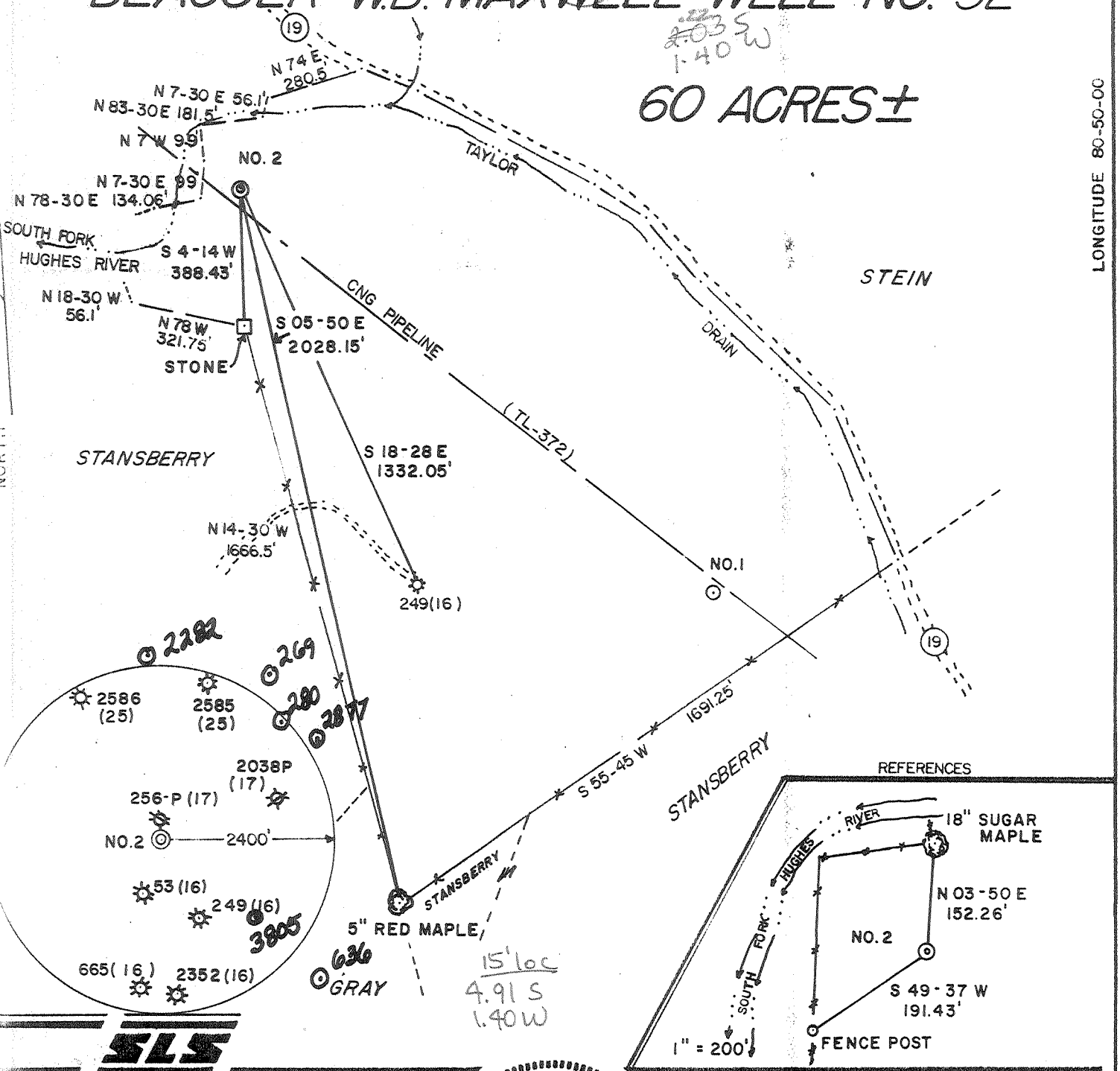


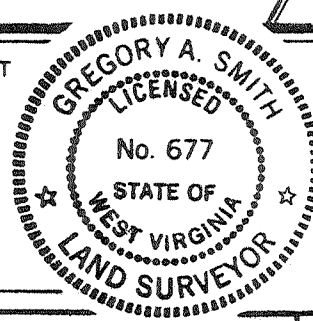
Jan 3/19/90

BLAUSER-W.B. MAXWELL LEASE BLAUSER-W.B. MAXWELL WELL NO. 32

60 ACRES ±



LONGITUDE 80-50-00




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 ENERGY.

L.L.S. Gregory A. Smith
677

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
DATE DECEMBER 22, 19 89
OPERATORS WELL NO. WB. MAXWELL NO. 32
WVDODO01132
API WELL NO. 47 - 017 - 3806
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 2082(30-53)
PROVEN SOURCE OF ELEVATION JUNCTION OF ROADS ELEV. 853' SCALE 1"=400'

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
OIL AND GAS DIVISION



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

LOCATION: ELEVATION 815' WATERSHED SOUTH FORK HUGHES RIVER Holbrook NC
DISTRICT SOUTHWEST 7 COUNTY DODDRIDGE QUADRANGLE OXFORD 7.5'

SURFACE OWNER BEATRICE SCHWARTZMAN ACREAGE 60 OF 4583.2
ROYALTY OWNER W.B. MAXWELL HRS. ET AL. LEASE ACREAGE 60 OF 1891.75

PROPOSED WORK: DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE X PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___ OTHER ___
PHYSICAL CHANGE IN WELL (SPECIFY) ___ TARGET FORMATION ALEXANDER
ESTIMATED DEPTH 5070'

WELL OPERATOR EASTERN AMERICAN ENERGY CORP. DESIGNATED AGENT JOHN M. PALETTI
ADDRESS BOX N GLENVILLE, WV. 26351 ADDRESS 501 56TH ST. CHARLESTON, WV. 25304

COUNTY NAME PERMIT

APR 10 1990

47-017-3806

State of West Virginia
DEPARTMENT OF ENERGY
Division of Oil and Gas

RECEIVED

AUG 31 1990

DEPT. OF ENERGY

Well Operator's Report of Well Work

Farm name: SCHWARTZMAN, BEATRICE Operator Well No.: BLAU/MAXWELL 32 W

LOCATION: Elevation: 815.00 Quadrangle: OXFORD

District: SOUTHWEST County: DODDRIDGE
Latitude: 1250 Feet South of 39 Deg. 12Min. 30 Sec.
Longitude 7450 Feet West of 80 Deg. 50 Min. 0 Sec.

Company: EASTERN AMERICAN ENERGY C
P. O. BOX N
GLENNVILLE, WV 26351-0000

Agent: DONALD C. SUPCOE

Inspector: MIKE UNDERWOOD
Permit Issued: 04/12/90
Well work Commenced: 07/26/90
Well work Completed: 08/10/90
Verbal Plugging
Permission granted on: _____
Rotary Cable _____ Rig
Total Depth (feet) 5076'
Fresh water depths (ft) 25'

Salt water depths (ft) None

Is coal being mined in area (Y/N)? N
Coal Depths (ft): None

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
11-3/4"	175'	175'	C.T.S.
8-5/8"	958'	958'	C.T.S.
4-1/2"	5032.80'	5032.80'	890
1-1/2"	---	4908'	---

OPEN FLOW DATA

Alexander, Benson/3rd Riley, 3850
Producing formation Riley; Balltown (Commingled) Pay zone depth (ft) 4961.5'-
Gas: Initial open flow 750 MCF/d Oil: Initial open flow N/A Bbl/
Final open flow 696 MCF/d Final open flow N/A Bbl/
Time of open flow between initial and final tests 15 Hour
Static rock Pressure 1220 psig (surface pressure) after 24 Hour

Second producing formation _____ Pay zone depth (ft) _____
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/
Final open flow _____ MCF/d Final open flow _____ Bbl/
Time of open flow between initial and final tests _____ Hour
Static rock Pressure _____ psig (surface pressure) after _____ Hour

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

For: Rich Heffelfinger
EASTERN AMERICAN ENERGY CORP.
Rich Heffelfinger
By: Vice President - Regional Operations
Date: August 22, 1990

SEP 10 1990

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

4-STAGE FOAM FRAC

- Stage 1: Alexander - 14 holes (4961.5-4926') Breakdown 1900 psi, 65 Quality foam, 20 lbs/1000 gals Gel, 70,000 lbs 20/40 sand, 500 gals 15% HCl, 573,000 scf of N₂
- Stage 2: Benson/3rd Riley - 19 holes (4660'-4531.5') Breakdown 2100 psi, 65 Quality foam, 20 lbs/1000 gals Gel, 5,000 lbs 80/100 sand, 60,000 lbs 20/40 sand, 500 gals 15% HCl, 707,000 scf of N₂
- Stage 3: Riley - 16 holes (4281'-4250.5') Breakdown 2200 psi, 65 Quality foam, 20 lbs/1000 gals Gel, 5,000 lbs 80/100 sand, 54,000 lbs 20/40 sand, 500 gals 15% HCl, 709,000 scf of N₂
- Stage 4: Balltown - 12 holes (4041'-3850') Breakdown 2150 psi, 65 Quality foam, 20 lbs/1000 gals Gel, 5,000 lbs 80/100 sand, 57,000 lbs 20/40 sand, 500 gals 15% HCl, 563,000 scf of N₂

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Top/Subsoil			0	10	1" stream water @ 25'
Sandy Shale			10	60	
Sand			60	105	<u>GAS CHECKS:</u>
Sandy Shale			105	230	1510' - No show
Red Rock			230	285	1693' - No show
Sand			285	350	1786' - No show
Sandy Shale and Red Rock			350	440	1970' - Odor - No check
Sand			440	460	2307' - No show
Sandy Shale			460	675	2523' - No show
Sand			675	730	2800' - No show
Sandy Shale			730	1327	3044' - No show
Sand			1327	1480	3229' - No show
Sand and Shale			1480	1734	3814' - No show
Big Lime			1734	1796	4152' - No show
Big Injun			1796	1856	4338' - 10/10 thru 1/2" w/water
Shale and Sandy Shale			1856	2024	4647' - 10/10 thru 1/2" w/water
Weir			2024	2154	4739' - 10/10 thru 1/2" w/water
Shale and Sandy Shale			2154	2215	4984' - 6/10 thru 1/2" w/water
Berea			2215	2220	1 Tbg Down - 2/10 thru 1/2" w/water
Shale with Minor Sand			2220	3102	D.C. - 2/10 thru 1/2" w/water
Warren			3102	3156	
Shale with Minor Sand			3156	4242	
Riley			4242	4286	
Shale with Minor Sand			4286	4580	
3rd Riley			4580	4610	
Shale and Sandy Shale			4610	4656	
Benson			4656	4662	
Shale with Minor Sand			4662	4904	
Alexander			4904	4989	
Shale			4989	5076 T.D.	

10314

3806

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

Issued 4/12/90
Expires 4/12/92

- 1) Well Operator: Eastern American Energy Corporation 14980 (7) 525
- 2) Operator's Well Number: Blauser/W.B. Maxwell #32 3) Elevation: 815'
WVDOD001132
- 4) Well type: (a) Oil / or Gas /
(b) If Gas: Production / Underground Storage /
Deep / Shallow /
- 5) Proposed Target Formation(s): Alexander 439
- 6) Proposed Total Depth: 5070 feet
- 7) Approximate fresh water strata depths: 60,380
- 8) Approximate salt water depths: None
- 9) Approximate coal seam depths: 189-192, 484-85
- 10) Does land contain coal seams tributary to active mine? Yes / No /
- 11) Proposed Well Work: Drill and complete new well.
- 12) Well to Stimulate New Well

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	
Conductor	11"	F-25	37.5	150	150	
Fresh Water	8-5/8"	J-55	20.0	965	965	C.T.S. 38CSR18-11.3
Coal						38CSR18-11.2.2
Intermediate						
Production	4-1/2"	J-55	10.5	4985	4985	38CSR18-11.1
Tubing	1-1/2"	H-40	2.75			
Liners						

PACKERS : Kind _____
Sizes _____
Depths set _____

RECEIVED
MAR 08 1990

For Division of Oil and Gas Use Only

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

ck# 10176
dept 6

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

Page 1 of 5
Form WW2-A
(09/87)
File Copy

1) Date: March 26, 1990
2) Operator's well number
Blauser/W.B. Maxwell #32 - WVDOL001132
3) API Well No: 47 - 017 - 3806
State - County - Permit

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

<p>4) Surface Owner(s) to be served:</p> <p>(a) Name <u>Beatrice Schwartzman</u> Address <u>2520 30th Street, NW</u> <u>Washington, DC 20008</u></p> <p>(b) Name _____ Address _____</p> <p>(c) Name _____ Address _____</p>	<p>5) (a) Coal Operator:</p> <p>Name <u>None</u> Address _____</p> <p>(b) Coal Owner(s) with Declaration</p> <p>Name _____ Address _____</p> <p>Name _____ Address _____</p> <p>(c) Coal Lessee with Declaration</p> <p>Name _____ Address _____</p>
<p>6) Inspector <u>Mike Underwood</u> Address <u>Rt. 2, Box 135</u> <u>Salem, WV 26426</u> Telephone (304)-<u>782-1043</u></p>	

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
XX 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 5 on the above named parties, by:

- _____ Personal Service (Affidavit attached)
- XX 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 Eastern American Energy Corporation
By: John M. Paletti *John M. Paletti*
Its: Designated AGent
Address P.O. Box N
Glennville, WV 26351
Telephone (304) 462-5781

Subscribed and sworn before me this 26th day of March, 1990

My commission expires July 2, 1996 *John L. Linn* Notary Public

WELL REFERENCES:

S7°30'E, 198' TO 14" BLACK OAK
N28°E, 156' TO 8" HICKORY

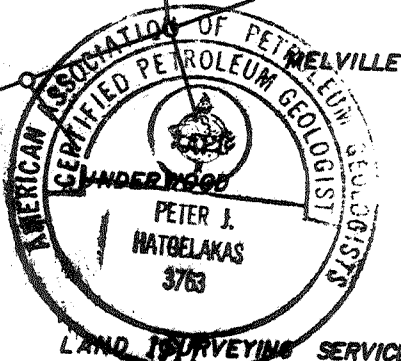
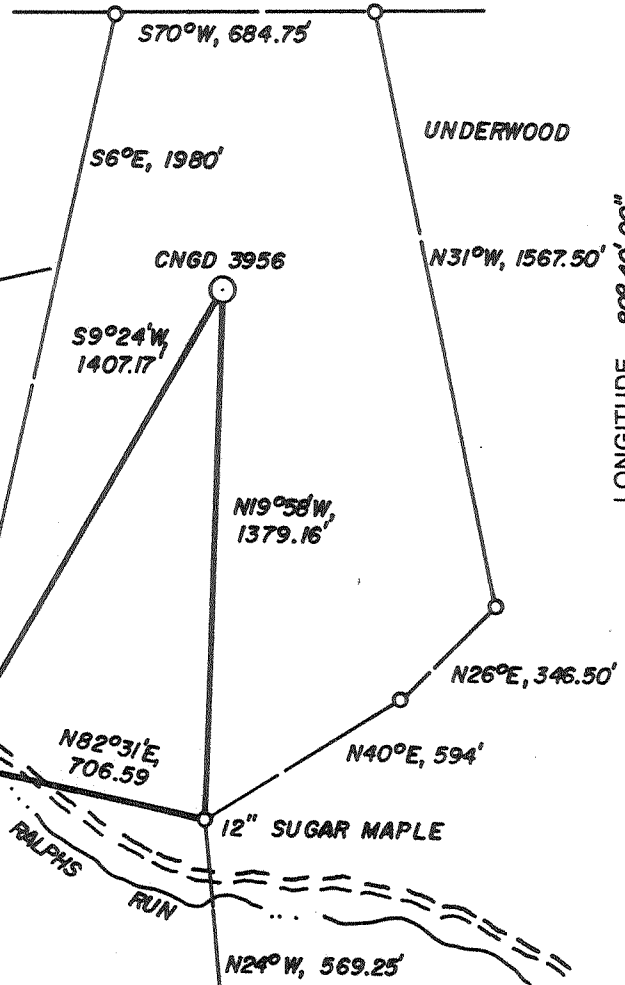
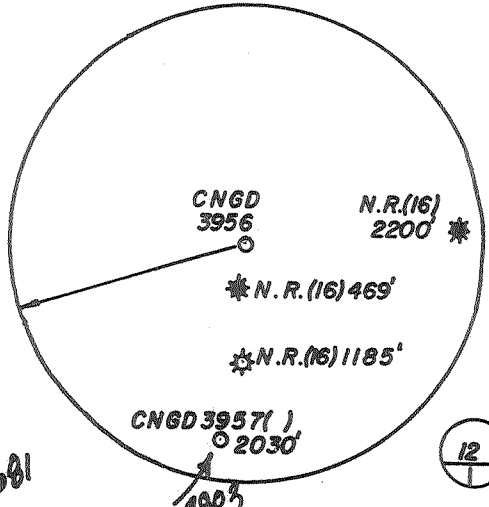
Jamie 4/10/90
YEATER

LATITUDE 39° 25' 00"

LONGITUDE 80° 40' 00"

11,385

NORTH

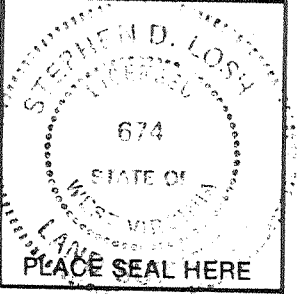


LAND SURVEYING SERVICES
21 CEDAR LANE
BRIDGEPORT, WV 26330
PHONE: 304-842-2018

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. _____
DRAWING NO. _____
SCALE 1" = 500'
MINIMUM DEGREE OF ACCURACY 1 IN 200
PROVEN SOURCE OF ELEVATION TOP OF KNOB 169' S. OF LOC. AT ELEV. 1245'

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 ENERGY.
(SIGNED) _____
R.P.E. _____ L.L.S. NO. 674
STEPHEN D. LOSH



STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
OIL AND GAS DIVISION



DATE FEB. 16, 19 90
OPERATOR'S WELL NO. CNGD 3956
API WELL NO. 47-017-3807
STATE WEST VIRGINIA COUNTY DODD PERMIT 3807

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
LOCATION: ELEVATION 1232' WATER SHED RALPHS RUN
DISTRICT MCCLELLAN COUNTY DODDRIDGE
QUADRANGLE CENTER POINT 7.5

CANCELLED

SURFACE OWNER SHERL UNDERWOOD ACREAGE 91.38
OIL & GAS ROYALTY OWNER WM. UNDERWOOD HRS. LEASE ACREAGE 61.
LEASE NO. DV 31147

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 BENSON ESTIMATED DEPTH 5400'
WELL OPERATOR CNG DEVELOPMENT COMPANY DESIGNATED AGENT RODNEY J. BIGGS
ADDRESS ONE PARK RIDGE CENTER ADDRESS RT. 2, BOX 698
PITTSBURGH, PA 15244 BRIDGEPORT, WV 26330

JUN 16 1992

COUNTY NAME DODD
PERMIT 3807