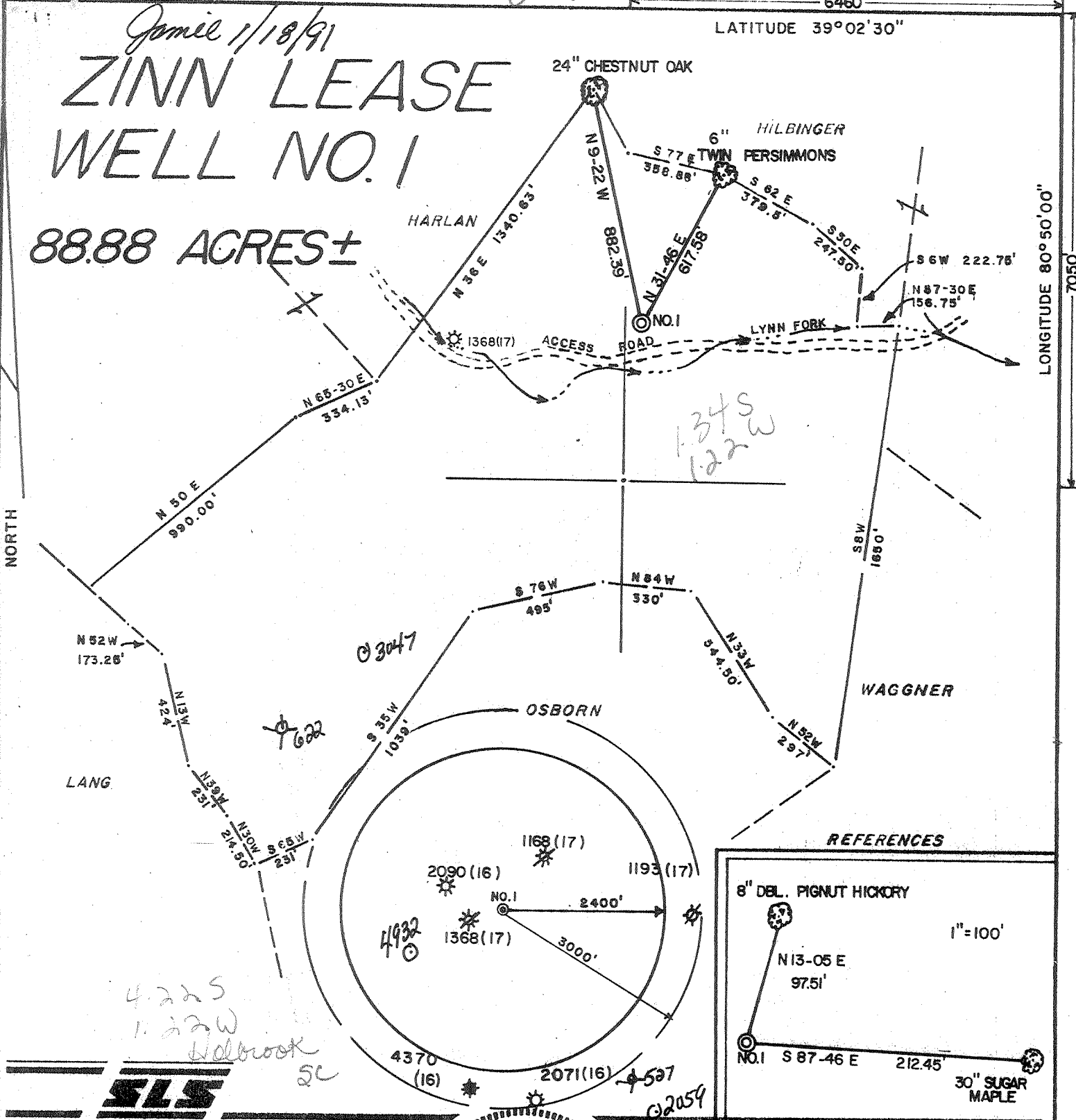


# ZINN LEASE WELL NO. 1

## 88.88 ACRES ±



### REFERENCES

6" DEL. PIGNUT HICKORY

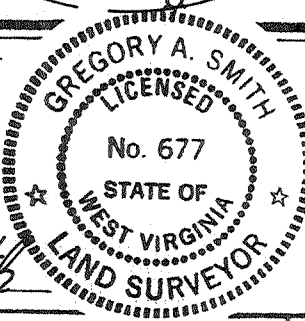
1" = 100'

N13-05 E  
97.5'

NO. 1 S 87-46 E 212.45'

30" SUGAR MAPLE

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.



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

DATE SEPTEMBER 14, 1990

OPERATORS WELL NO. ZINN NO. 1

API WELL NO. 47 - 021 - 4937  
STATE COUNTY PERMIT

L.L.S. Gregory A. Smith  
677

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 2451 (32-58)  
PROVEN SOURCE OF ELEVATION TOP OF KNOB ELEV. 1251' SCALE 1" = 500'

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENERGY  
OIL AND GAS DIVISION



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

LOCATION: ELEVATION 935' WATERSHED LYNN FORK  
DISTRICT TROY COUNTY GILMER QUADRANGLE AUBURN 7.5'

SURFACE OWNER SCOTT ZINN et. al. ACREAGE 88.88  
ROYALTY OWNER SCOTT ZINN et. al. LEASE ACREAGE 88.88

PROPOSED WORK: DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  PERFORATE NEW FORMATION  PLUG AND ABANDON  CLEAN OUT AND REPLUG  OTHER   
PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_ TARGET FORMATION NEWBURG  
ESTIMATED DEPTH 8000'

WELL OPERATOR RAMSEY ASSOCIATED PETROLEUM DESIGNATED AGENT VAN RAMSEY  
ADDRESS P.O. BOX 90, GLENVILLE, WV 26351 ADDRESS P.O. BOX 90, GLENVILLE, WV 26351

*DEEP WELL 3-3000 Burnt House - Lucerna (136) eval call*

COUNTY NAME PERMIT

Well Operator's Report of Well Work

Farm name: Zinn Operator Well No.: Zinn # 1-258

LOCATION: Elevation: 935 Quadrangle: Auburn 7.5'  
 District: Troy County: Gilmer  
 Latitude: 39 degrees, 0 min. 0 sec.  
 Longitude 80 degrees, 50 minutes, 0 seconds

Company: RAMSEY, VAN D.B.A. RAMSEY  
 P.O. BOX 90  
 GLENVILLE, WV 26351-0090

Agent: VAN RAMSEY

Inspector: Craig Duckworth  
 Permit Issued: 01/29/91  
 Well work Commenced: 3/16/91  
 Well work Completed: 4/6/91  
 Verbal Plugging \_\_\_\_\_  
 Permission granted on: \_\_\_\_\_  
 Rotary x Cable \_\_\_\_\_ Rig \_\_\_\_\_  
 Total Depth (feet) 7068  
 Fresh water depths (ft) 60'  
 Salt water depths (ft) 1750'

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
11 3/4		215	108
8 5/8		2015	500
4 1/2		6954	813

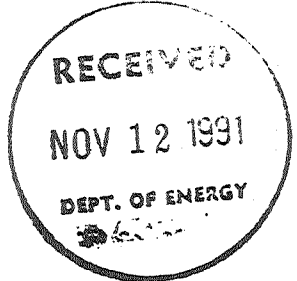
Is coal being mined in area (Y/N)? N  
 Coal Depths (ft): None

OPEN FLOW DATA

Producing formation Alexander, Helderburg, Marcellus Pay zone depth (ft) 6932  
 Gas: Initial open flow NT MCF/d Oil: Initial open flow NT Bbl/d  
 Final open flow NT MCF/d Final open flow show Bbl/d  
 Time of open flow between initial and final tests NT Hours  
 Static rock Pressure 1750 psig (surface pressure) after 72 Hours

Second producing formation Benson, Riley, Balltown, Speech Pay zone depth (ft) 4850  
 Gas: Initial open flow NT MCF/d Oil: Initial open flow NT Bbl/d  
 Final open flow NT MCF/d Final open flow show Bbl/d  
 Time of open flow between initial and final tests NT Hours  
 Static rock Pressure 1750 psig (surface pressure) after 72 Hours

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: RAMSEY, VAN D.B.A. RAMSEY ASSOC. PET.

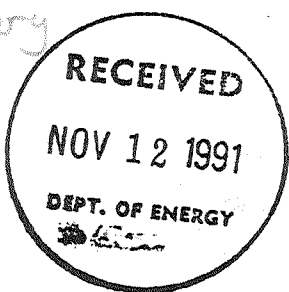
By: [Signature]  
 Date: 11-1-91

Formation Tops  
Well # 258 API # 47-021-4937

Fill.....0 to 5  
Sd & Sh.....5 to 30  
R.R.....30 to 50  
Sd & Sh.....50 to 760  
Sd & Sh.....760 to 1563  
Sd & Sh.....1563 to 1608  
Little Lime.....1669 to 1692  
Big Lime.....1712 to 1780  
Big Injun.....1780 to 1855(gas check, odor)  
Speechly.....3010 to 3366(gas check, no show)  
Balltown.....3366 to 3820  
Riley.....4120 to 4502  
Benson.....4550 to 4562(gas check, no show)  
Alexander.....4802 to 4858  
Elk.....4910 to 4960 (gas check, no show)  
Marcellus.....6280 to 6334  
Onondaga.....6334 to 6404  
Huntersville.....6404 to 6561 (gas check, no show)  
Oriskany.....6561 to 6700 (gas check, 4/10  
thru 2")  
Helderburg.....6700 to 7008 (gas check, 6/10  
thru 2")  
Tonoloway.....7008  
T.D.....7068

*if 3-0 all exploratory*

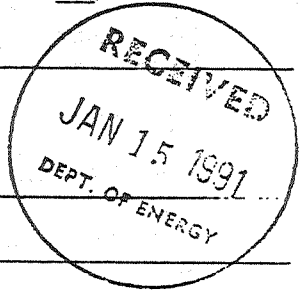
*7068  
4960  
2108-expl. ftg.  
if 3-3*



*10934*

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

- 1) Well Operator: RAMSEY ASSOCIATED PETROLEUM 40780 (4) 224
- 2) Operator's Well Number: ZINN WELL NO. 1 3) Elevation: 935'
- 4) Well type: (a) Oil  / or Gas  /  
 (b) If Gas: Production  / Underground Storage  /  
 Deep  / Shallow  /
- 5) Proposed Target Formation(s): Newburg 935
- 6) Proposed Total Depth: 8000 feet
- 7) Approximate fresh water strata depths: 35'
- 8) Approximate salt water depths: N/A
- 9) Approximate coal seam depths: N/A
- 10) Does land contain coal seams tributary to active mine? Yes  / No  /
- 11) Proposed Well Work: Drill & Stimulate New Well
- 12)



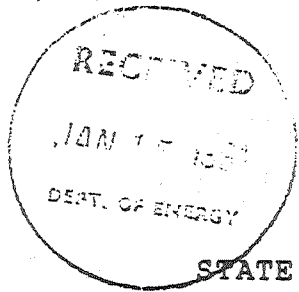
CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	
Conductor	11-3/4"			30'	0'	0 Sacks
Fresh Water	8-5/8"			1000'	1000'	By Rule 38 CSR 18-11.3
Coal						
Intermediate						
Production	4-1/2"			8000'	8000'	By Rule 38 CSR 18-11.1
Tubing						
Liners						

PACKERS : Kind \_\_\_\_\_  
 Sizes \_\_\_\_\_  
 Depths set \_\_\_\_\_

For Division of Oil and Gas Use Only

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



- 1) Date: October 5th, 1990
- 2) Operator's well number  
ZINN WELL NO. 1
- 3) API Well No: 47 - 021 - 4937  
State - County - Permit

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

- 4) Surface Owner(s) to be served:
  - (a) Name Scott Zinn, et.al.  
Address Coxs Mills, WV 26342
  - (b) Name \_\_\_\_\_  
Address \_\_\_\_\_
  - (c) Name \_\_\_\_\_  
Address \_\_\_\_\_
- 5) (a) Coal Operator:
  - Name N/A  
Address \_\_\_\_\_
  - (b) Coal Owner(s) with Declaration
    - Name N/A  
Address \_\_\_\_\_
    - Name \_\_\_\_\_  
Address \_\_\_\_\_
  - (c) Coal Lessee with Declaration
    - Name N/A  
Address \_\_\_\_\_
- 6) Inspector Craig Duckworth  
Address Box 107, Davisson Rt.  
Gassaway, WV 26624  
Telephone (304)- 364 - 5942

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

XXX 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 7 on the above named parties, by:

- XXX Personal Service (Affidavit attached)
- \_\_\_\_\_ 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: RAMSEY ASSOCIATED PETROLEUM  
 By: [Signature]  
 Its: President  
 Address P.O. Box 90  
Glenville, WV 26351  
 Telephone 462 - 5744

Subscribed and sworn before me this 5th day of October, 1990

Gregory A. Smith Notary Public  
 My commission expires 12-7-92