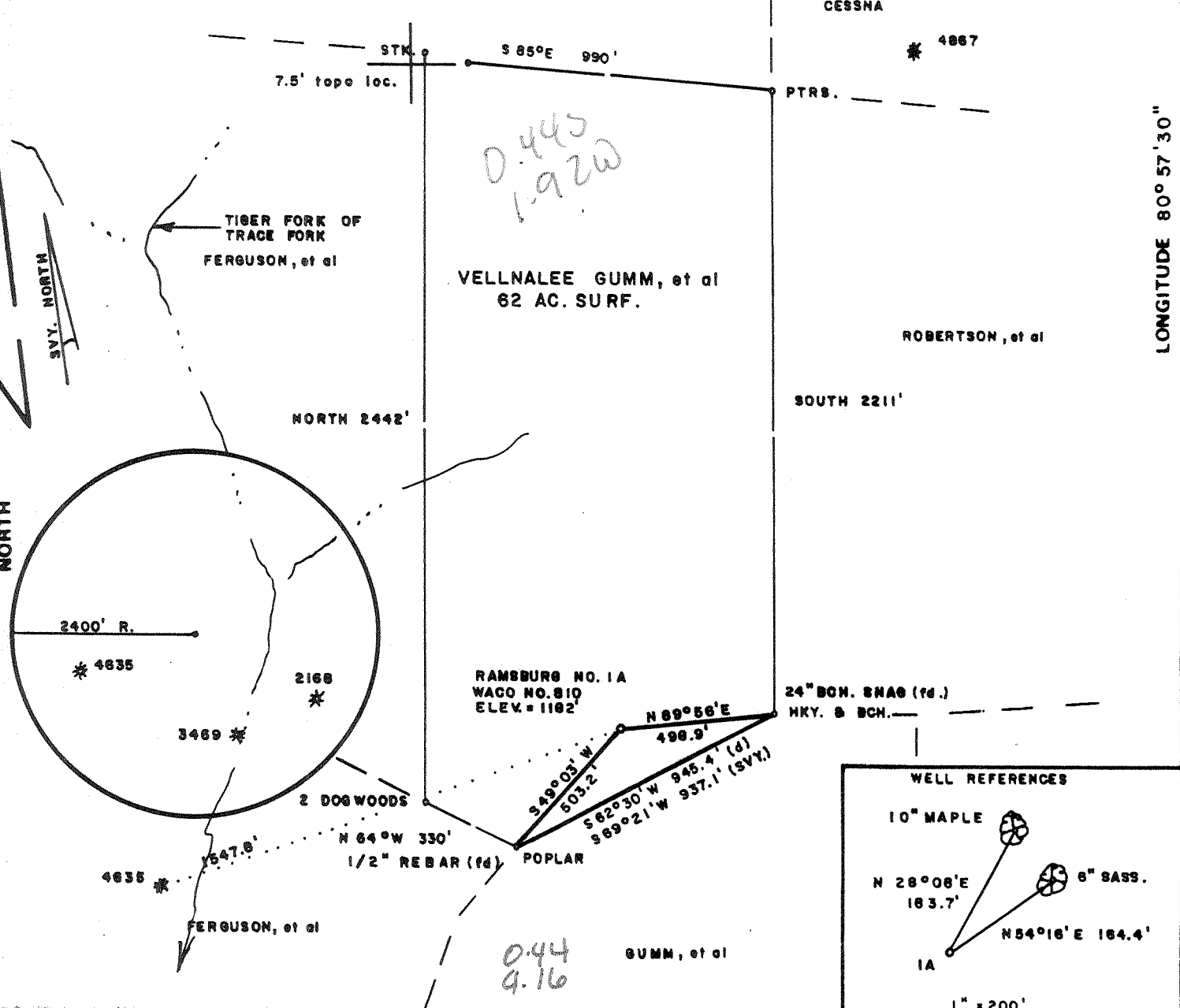


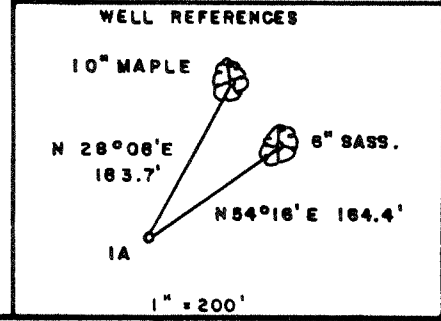
RAMSBURG LEASE 62 AC. ±

LATITUDE 39°00'00"

WACO NO. 810



LONGITUDE 80° 57' 30"



FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION TOP OF KNOB SOUTH OF LOC. ELEV. 1202'

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) Mark C. Echard
 MARK C. ECHARD
 R.P.E. _____ L.L.S. 490



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



DATE JUNE 14, 19 93
 OPERATOR'S WELL NO. RAMSBURG NO. 1A
 API WELL NO. WACO NO. 810
47 - 021 - 5182
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS,") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 1182' WATER SHED TIGER FORK OF TRACE FORK
 DISTRICT DEKALB COUNTY GILMER
 QUADRANGLE TANNER 7.5' Glenn NW
 SURFACE OWNER VELLNALEE GUMM, et al ACREAGE 62
 OIL & GAS ROYALTY OWNER INGEBORG RAMSBURG LEASE ACREAGE 62
 LEASE NO. _____
 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 MARCELLUS ESTIMATED DEPTH 5900'
 WELL OPERATOR WACO OIL & GAS CO. INC. DESIGNATED AGENT STEPHEN E. HOLLOWAY
 ADDRESS P.O. BOX 397 ADDRESS P.O. BOX 397
GLENNVILLE, W. VA. 26351 GLENNVILLE, W. VA. 26351

APR 3 1 1994

6-6 177

State of West Virginia
Division of Environmental Protection
Section of Oil and Gas

Well Operator's Report of Well Work

Farm name: GUMM, VELLNALEE ETAL Operator Well No.: RAMSBURG #1A-810

LOCATION: Elevation: 1,182.00 Quadrangle: TANNER

District: DEKALB County: GILMER
Latitude: 2290 Feet South of 39 Deg. Min. Sec.
Longitude: 10090 Feet West of 80 Deg. 57 Min. 30 Sec.

Company: WACO OIL & GAS CO., INC.
1297 N. LEWIS ST.
GLENVILLE, WV 26351-0000

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
8-5/8"	1194'	1194'	C. T. S.
4-1/2"		6380'	640 Sks.

Agent: STEPHEN E. HOLLOWAY

INSPECTOR: CRAIG DUCKWORTH

Permit Issued: 04/22/94
Well work commenced: 05/19/94
Well Work completed: 05/24/94

Verbal Plugging

Permission granted on:

Rotary Cable Rig

Total Depth (feet) 6460'

Fresh water depths (ft) NONE

Salt water depths (ft) 1887'

Is coal being mined in area (Y/N)? N

Coal Depths (ft): NONE

OPEN FLOW DATA

Producing formation Devonian Shale Pay zone depth (ft) SEE TREATMENT

Gas: Initial open flow N/A MCF/d Oil: Initial open flow N/A Bbl/d
Final open flow 1639 MCF/d Final open flow SHOW Bbl/d
Time of open flow between initial and final tests 4 Hours
Static Rock pressure 1515 psig (surface pressure) after 48 Hours

Second producing formation _____ pay zone depth (ft) _____

Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow _____ MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock pressure _____ psig (surface pressure) after _____ Hours

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


For: WACO OIL AND GAS COMPANY, INC.

By: Daniel R. Chapman, Geologist

Date: JULY 26, 1994

1st Stage: Devonian Shale, Elk (6302-5534) 1500 gal 15% HCL, 40 ton CO₂, 835 mcf N₂

2nd Stage: Elk, Alexander, Benson, Riley (5325-4717) 660 gal 15% HCL, 40 ton CO₂, 830 mcf N₂

3rd Stage: Riley, Balltown (4595-4183) 660 gal 15% HCL, 40 ton CO₂, 835 mcf N₂

4th Stage: Balltown, Speechly (4071-3492) 680 gal 15% HCL, 40 ton CO₂, 1050 mcf N₂

Sand, Shale	0	630	
Sand, Shale, Red Rock	630	1090	Damp @ 1887'
Sand, Shale	1090	2051	
Little Lime	2051	2069	
Blue Monday	2069	2096	
Big Lime	2096	2136	
Big Injun	2136	2230	
Sand, Shale	2230	3490	
Speechly Section	3490	3833	
Shale	3833	3884	
Balltown Section	3884	4457	
Riley Section	4457	4855	
Shale	4855	4897	
Benson	4897	4902	
Shale	4902	5168	
Alexander	5168	5171	
Shale	5171	5293	
Elk Section	5293	5571	
Shale	5571	6460	T. D.

APR 07 94

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

checked 04/22/94 Expires 04/22/96

18980

- 1) Well Operator: Waco Oil and Gas Company, Inc. 51800 2) 634
2) Operator's Well Number: Waco 810-Ramsburg 1A 3) Elevation: 1182'
3) Well type: (a) Oil ___ / or Gas X /
(b) If Gas: Production X / Underground Storage ___ / Deep ___ / Shallow X /
5) Proposed Target Formation(s): Marcellus 437
6) Proposed Total Depth: 5,900 feet
7) Approximate fresh water strata depths: 97'
8) Approximate salt water depths: None
9) Approximate coal seam depths: None
10) Does land contain coal seams tributary to active mine? Yes ___ / No X ___
11) Proposed Well Work: Drill and stimulate new well.
12)

CASING AND TUBING PROGRAM

Table with 4 columns: TYPE, SPECIFICATIONS, FOOTAGE INTERVALS, CEMENT. Rows include Conductor, Fresh Water, Coal, Intermediate, Production, Tubing, and 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 [] Agent (Type)

02976/12

APR 07

3) API Well No: 47 - 021 - 5182
State - County - Permit

Office of Oil & Gas

STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

4) Surface Owner(s) to be served:
(a) Name Vellnalee Gumm et al
Address 3503 Emerson Court
Parkersburg, WV 26104
(b) Name _____
Address _____
(c) Name _____
Address _____
6) Inspector Craig Duckworth
Address Box 107, Davisson Rt.
Gassaway, WV 26624
Telephone (304)- _____

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 _____

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

X 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:

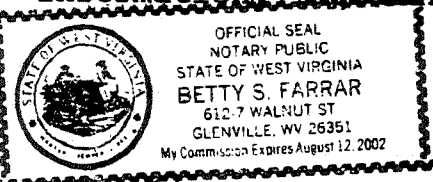
- _____ Personal Service (Affidavit attached)
- X Certified Mail (Postmarked postal receipt attached)
- _____ Publication (Notice of Publication attached)

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 Waco Oil and Gas Company, Inc.
By: Stephen E. Holloway
Its: Agent
Address P. O. Box 397
Glenville, WV 26351
Telephone (304) 462-5347



Subscribed and sworn before me this 21st day of June, 1993

Betty S. Farrar Notary Public
My commission expires Aug. 12, 2002