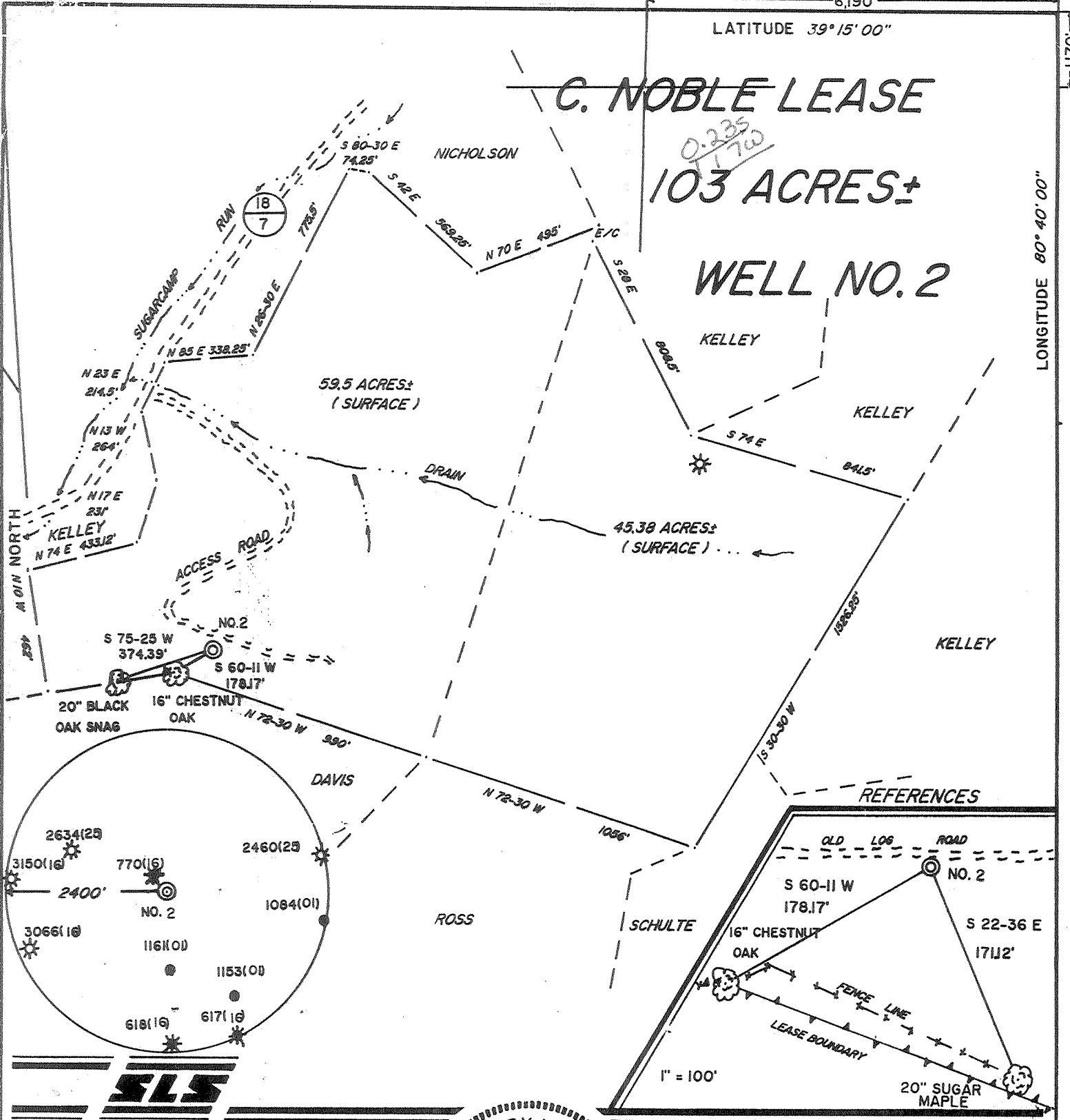


C. NOBLE LEASE

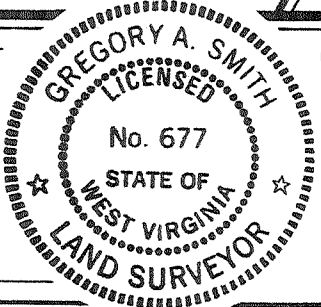
103 ACRES±

WELL NO. 2



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. 677 *Gregory A. Smith*



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
 DATE JUNE 6, 19 91
 OPERATORS WELL NO. C. NOBLE NO. 2
 WVD0002702
 API WELL NO. 47 - 017 - 3903
 STATE COUNTY PERMIT

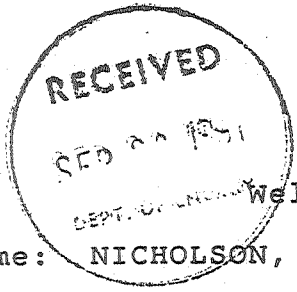
MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 2660 (36-36)
 PROVEN SOURCE OF ELEVATION JUNCTION OF ROADS ELEVATION 824' SCALE 1" = 500'

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 1123' WATERSHED SUGARCAMP RUN
 DISTRICT NEW MILTON COUNTY DODDRIDGE QUADRANGLE NEW MILTON 7.5'
 SURFACE OWNER ROY K. NICHOLSON ACREAGE 59.5
 ROYALTY OWNER CLARENCE NOBLE ET. AL. LEASE ACREAGE 59.5 OF 103
 PROPOSED WORK: LEASE NO. WV02102-+
 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 5550'

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



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

Reviewed Tom
Recorded _____

Well Operator's Report of Well Work

Farm name: NICHOLSON, ROY K Operator Well No.: C NOBLE 2

LOCATION: Elevation: 1123.00 Quadrangle: NEW MILTON

District: NEW MILTON County: DODDRIDGE
Latitude: 1170 Feet South of 39 Deg. 15Min. 0 Sec.
Longitude 6190 Feet West of 80 Deg. 40 Min. 0 Sec.

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

Agent: DONALD C. SUPCOE

Inspector: MIKE UNDERWOOD
Permit Issued: 08/05/91
Well work Commenced: 08/15/91
Well work Completed: 08/30/91
Verbal Plugging
Permission granted on: _____
Rotary X Cable _____ Rig
Total Depth (feet) 5544'
Fresh water depths (ft) 142'

Salt water depths (ft) 1570'

Is coal being mined in area (Y/N)? N
Coal Depths (ft): 763'

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft
8-5/8"	1187'	1187'	C.T.S.
4-1/2"	--	5509'	332.8
1-1/2"	5317'	5317'	

OPEN FLOW DATA

Riley (Commingled)

Producing formation Alexander, Benson/3rd Riley, Pay zone depth (ft) 5428'-4592'
Gas: Initial open flow 1501 MCF/d Oil: Initial open flow N/A Bbl/d
Final open flow 432 MCF/d Final open flow N/A Bbl/d
Time of open flow between initial and final tests 28 Hours
Static rock Pressure 1000 psig (surface pressure) after 24 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 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: Ronald L. Rech
EASTERN AMERICAN ENERGY CORP.

By: Ronald L. Rech, Regional Drilling Manager
Date: September 10, 1991

SEP 30 1991

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

3-STAGE FOAM FRAC

Alexander - (20 - .39 holes from 5428'-5369.5') Fraced w/70 Quality foam, 30 lbs gel/1000 gals, 48,000 lbs 16/30 sand, 500 gals 15% HCl acid and 707,100 scf of N₂

Benson/3rd Riley - (20 - .39 holes from 5072'-4964') Fraced w/70 Quality foam, 30 lbs gel/1000 gals, 50,000 lbs 20/40 sand, 500 gals 15% HCl acid and 666,700 scf of N₂

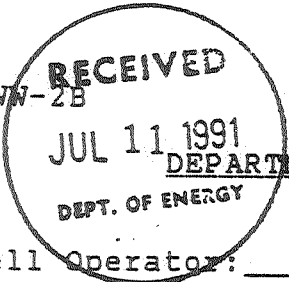
Riley - (18 - .39 holes from 4632.5'-4592') Fraced w/70 Quality foam, 30 lbs gel/1000 gals, 11,000 lbs 20/40 sand, 500 gals 15% HCl acid and 377,000 scf of N₂

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
KB-GL			0	10	
Soil and Red Rock			10	20	<u>Gas Checks</u>
Red Rock			20	51	
Red Rock and Shale			51	80	1640' - No show
Sand and Shale			80	111	1987' - No show
Sand and Shale			111	142	2240' - No show
Sand			142	195	2466' - No show
Shale and Red Rock			195	217	2718' - No show
Red Rock			217	293	3286' - No show
Sand			293	304	3509' - No show
Sand and Shale			304	385	4519' - No show
Shale			385	478	4678' - No show
Sand			478	483	4869' - No show
Red Rock and Shale			483	566	5028' - No show
Sand and Shale			566	574	5219' - No show
Sand and Shale			574	763	5530' T.D. - No show
Coal			763	768	D.C. - 2/10 thru 1" w/water
Sand and Shale and Red Rock			768	1130	
Sand and Shale			1130	1999	
Little Lime			1999	2012	
Lime and Shale			2012	2064	
Big Lime			2064	2103	
Injun Sand			2103	2196	
Sand and Shale			2196	2332	
Weir			2332	2425	
Sand and Shale			2425	2560	
Berea			2560	2582	
Sand and Shale			2582	2757	
Gordon			2757	2765	
Sand and Shale			2765	3415	
Sand			3415	4590	
Riley			4590	4610	
Sand and Shale			4610	4970	
3rd Riley			4970	4980	
Sand and Shale			4980	5170	
Benson			5170	5081	
Sand and Shale			5081	5327	
Alexander			5327	5434	
Sand and Shale			5434	T.D.	

(Attach separate sheets as necessary)

12596



017-3903
Issued 8/5/91
Expires 8/5/93
Page 3 of 9

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

- 1) Well Operator: Eastern American Energy Corporation 14980 (6) 510
- 2) Operator's Well Number: C. Noble #2 WVDOD002702 3) Elevation: 1123'
- 4) Well type: (a) Oil / or Gas /
(b) If Gas: Production / Underground Storage /
Deep / Shallow 439
- 5) Proposed Target Formation(s): Alexander
- 6) Proposed Total Depth: 5550' feet
- 7) Approximate fresh water strata depths: 147', 572', 688'
- 8) Approximate salt water depths: 1538'
- 9) Approximate coal seam depths: 208'-218', 762'-767'
- 10) Does land contain coal seams tributary to active mine? Yes / No /
- 11) Proposed Well Work: Drill and complete new well.
- 12)

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Conductor	11-3/4"	F-25	32.0	40'	-----	
Fresh Water	8-5/8"	F-25	20.0	1190'	1190'	C.T.S. 38CSR18-11.3
Coal						38CSR18-11.2.2
Intermediate						
Production	4-1/2"	J-55	10.5	5465'	5465'	38CSR18-11.1
Tubing						
Liners						

PACKERS : Kind _____
Sizes _____
Depths set _____

For Division of Oil and Gas Use Only

Fee(s) paid: Well Work Permit Reclamation Fund WPCP

20341
86219

Bluelat

017-3903

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

- 1) Well Operator: Eastern American Energy Corporation
2) Operator's Well Number: C. Noble #2 WVDOD002702 3) Elevation: 1123'
4) Well type: (a) Oil / or Gas XX/
(b) If Gas: Production XX/ Underground Storage / Deep / Shallow XX/
5) Proposed Target Formation(s): Alexander
6) Proposed Total Depth: 5550' feet
7) Approximate fresh water strata depths: 147', 572', 688'
8) Approximate salt water depths: 1538'
9) Approximate coal seam depths: 208'-218', 762'-767'
10) Does land contain coal seams tributary to active mine? Yes / No XX/
11) Proposed Well Work: Drill and complete new well.

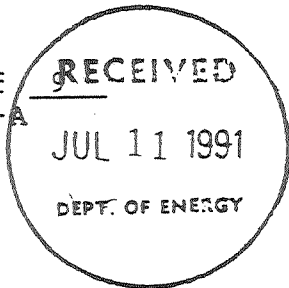
CASING AND TUBING PROGRAM

Table with columns: TYPE, SPECIFICATIONS (Size, Grade, Weight per ft.), FOOTAGE INTERVALS (For drilling, Left in well), CEMENT (Fill-up (cu. ft.)). 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 Agent



- 1) Date: July 10, 1991
- 2) Operator's well number
C. Noble #2 WVDOD002702
- 3) API Well No: 47 - 017 - 3903
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 Roy K. Nicholson
Address Rt. 1, Box 14
New Milton, WV 26411
 - (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 Mike Underwood
Address Rt. 2, Box 135
Salem, WV 26426
Telephone (304)- 782-1043

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 9 on the above named parties, by:
 _____ Personal Service (Affidavit attached)
XXX _____ 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 501 56th Street
Charleston, WV 25304
 Telephone (304) 925-6100

Subscribed and sworn before me this 10th day of July, 1991
Edna Marie Huff Notary Public
 My commission expires August 2, 1993