

Jan 9/29/89  
11/15/95

K.C. SUMMERS LEASE

LATITUDE 39-17-30

LONGITUDE 80-52-30

WELL NO. 3

108 ACRES ±

10.600'

3220'

NORTH

REFERENCES

30" CHESTNUT OAK

NI-17E 270.40'

PASTURE

S 56-35E 242.49'

30" BLACK OAK

ACCESS ROAD

K.C. SUMMERS

1" = 200'

HART

PHILLIPS

ANTHOS

BURCH

DAVIS

HILL

KNIGHT

WELL NO. 3

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DATE 9/29/89 K.C. SUMMERS LEASE

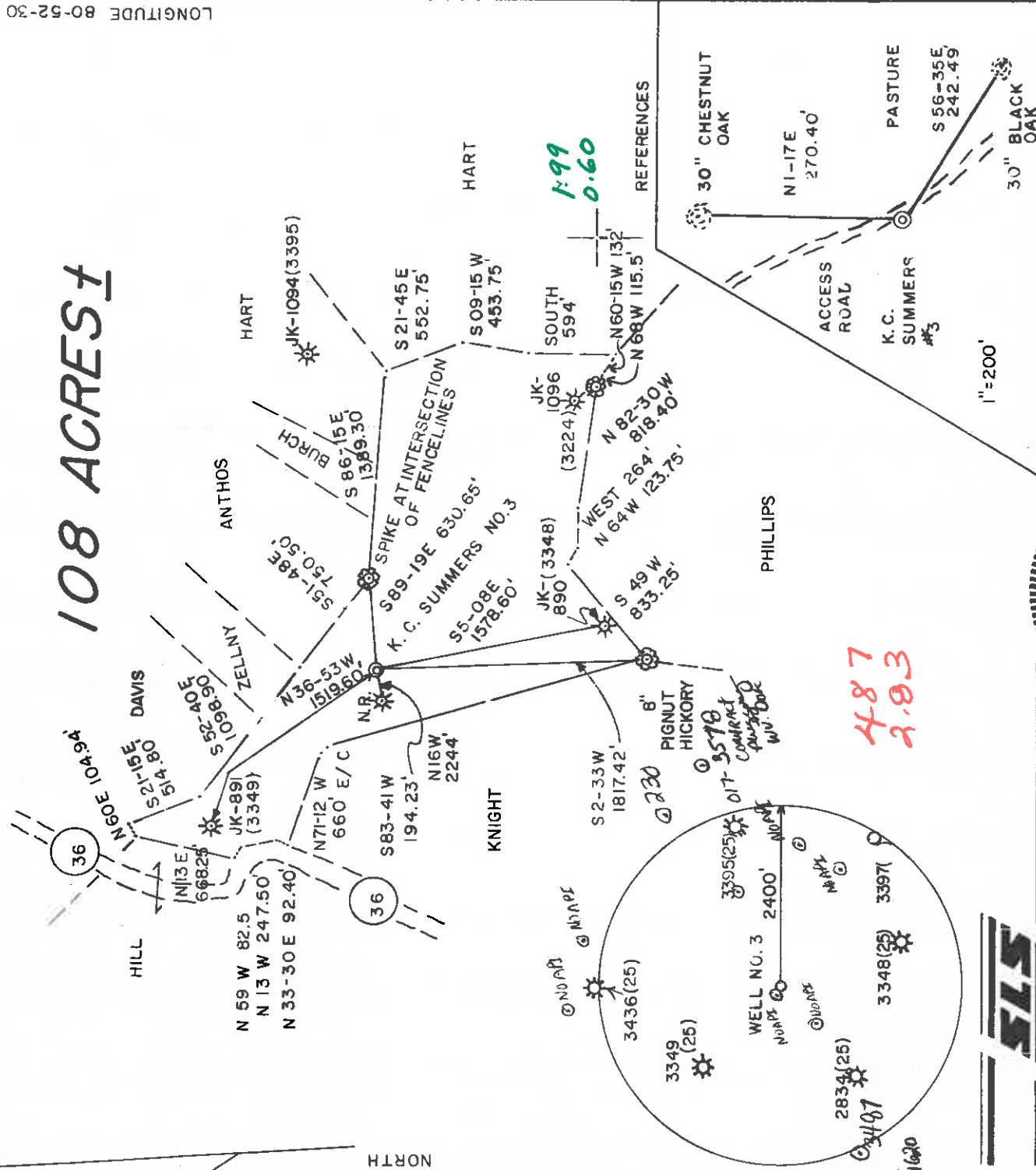
LATITUDE 39-17-30

3220

LONGITUDE 80-52-30

WELL NO. 3

108 ACRES ±



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 SEPTEMBER 2, 1989  
OPERATORS WELL NO. K.C. SUMMERS NO. 3  
API WELL NO. WVD00001303  
STATE 47 COUNTY PERMIT 3748

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENERGY  
OIL AND GAS DIVISION

MINIMUM DEGREE OF ACCURACY 1/200  
FILE NO. 1127(24-14)(15-26)  
PROVEN SOURCE OF ELEVATION TOP OF KNOB ELEV. 1208'  
SCALE 1"=1000'

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

LOCATION: ELEVATION 1145' WATERSHED BRANCH OF CABIN RUN  
DISTRICT CENTRAL COUNTY DODDRIDGE  
SURFACE OWNER G.W. & PEARL H. HILL  
ROYALTY OWNER E.M. SMITH et al.

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) \_\_\_\_\_

PENNSBORO 7.5 QUADRANGLE 108 ACREAGE 108  
LEASE ACREAGE 108  
LEASE NO. WV01934 - +  
TARGET FORMATION ALEXANDER  
ESTIMATED DEPTH 5480' 1117.6 1989

WELL OPERATOR EASTERN AMERICAN ENERGY CORP. DESIGNATED AGENT JOHN M. PALETTI  
ADDRESS BOX N GLENVILLE, W.V. 26351  
COUNTY NAME PERMIT



**RECEIVED**  
WV Division of  
Environmental Protection

WR-35

SEP 03 1996

09-Nov-96  
API # 47-017-04229

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

Permitting  
Office of Oil & Gas

Well Operator's Report of Well Work

Farm name: HILL, PEARL H. Operator Well No.: K.C. SUMMERS #3

LOCATION: Elevation: 1,145.00 Quadrangle: PENNSBORO County: DODDRIDGE  
District: CENTRAL  
Latitude: 10600 Feet South of 39 Deg. 17 Min. 30 Sec.  
Longitude: 3220 Feet West of 80 Deg. 52 Min. 30 Sec.

Company: EASTERN AMERICAN ENERGY CORP  
P O BOX 820  
GLENVILLE WV 26351-0820

Agent: JOHN M. PALETTI

Inspector: MIKE UNDERWOOD  
Permit Issued: 11/15/95  
Well work commenced: 04/24/96  
Well work completed: 04/30/96  
Verbal plugging  
permission granted on:  
Rotary  Cable Rig  
Total Depth (feet) 5598'  
Fresh water depths (ft) 183'

Casing & Tubing	Used in Well	Left in Well	Cement Fill Up Cu. Ft.
8-5/8"	1109'	1109'	285 SXS
4-1/2"	5417'	5417'	285 SXS

Salt water depths (ft) \_\_\_\_\_  
Is coal being mined in area? (Y/N) N  
Coal Depths (ft) \_\_\_\_\_

OPEN FLOW DATA (Co-mingled)

Producing Formation Alexander, Benson, Riley  
 Pay zone depth (ft) 4631' - 5333'  
 Gas: Initial open flow 335 MCF/d Oil: Initial open flow N/A Bbl/d  
 Final open flow 265 MCF/d Final open flow N/A Bbl/d  
 Time of open flow between initial and final tests 15 Hours  
 Static rock pressure 1200 psi (surface pressure) after 24 Hours

2nd 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 \_\_\_\_\_ psi (surface pressure) after \_\_\_\_\_ Hours

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

By: Mark Jenkins  
Date: AUGUST 19, 1996  
FOR: MARK JENKINS, SENIOR DRILLING SUPERVISOR  
EASTERN AMERICAN ENERGY CORPORATION

SEP 06 1996

017 4229

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
Clay			0	5	
Sand & Shale			5	31	
Red Rock & Shale			31	48	
Sand			48	80	
Red Rock & Shale			80	299	Damp @ 183'
Sand			288	318	Soap @ 900'
Shale & Red Roack			318	342	
Sand			342	392	Soap pump back on @ 1677'
Red Rock, Shale & sand			392	448	
Sand			448	591	
Red Rock, Sand & Shale			591	706	
Sand			706	840	
Red Rock			840	851	
Sand			851	902	<u>Gas Checks:</u>
Red Rock & Shale			902	1630	1708' No show
Sand			1630	1777	2016' No show
Sand, Shale, Lime			1777	2065	2326' No show
Big Lime			2065	2134	2603' 20-30/10 1" w/H <sub>2</sub> O
Keener			2134	2167	2914' No show
Big Injun			2167	2184	3226' No show
Shale			2513	2572	3510' No show
Weir			2391	2513	3824' No show
Shale			2513	2572	4137' No show
Berea			2572	2578	4418' No show
Shale w/Trace Sand			2578	3470	4729' No show
Warren			3470	3530	5009' No show
Shale w/Trace Sand			3530	4625	5228' No show
Riley			4625	4659	
Shale w/Trace Salt Stone			4659	5013	
Benson			5013	5044	
Shale w/Trace Siltstone			5044	5262	
Alexander			5262	5346	
Shale			5346	5598	

TD

617 4229

STAGE ONE:

Alexander/Benson  
24 holes (5018' - 5333') Fractured with gelled water, 30# gel/1000 gals,  
50,000 lbs 20/40 sand, 500 gal 15% HCl acid

STAGE TWO:

Riley  
14 holes (4631' - 4649') Fractured with gelled water, 30# gel/1000 gals,  
5,000 lbs 80/100 sand, 45,000 lbs 20/40 sand, 500 gals HCl acid

DATE: 11/13/95





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

- 1) Well Operator: Eastern American Energy Corporation 14980 (1) 535
- 2) Operator's Well Number: K.C. Summers #3
- 4) Well type: (a) Oil \_\_\_ / or Gas XX /  
(b) If Gas: Production XX / Underground Storage \_\_\_  
Deep \_\_\_ / Shallow XX /
- 5) Proposed Target Formation(s): Alexander 409
- 6) Proposed Total Depth: 5480 feet
- 7) Approximate fresh water strata depths: 119', 314' 314'
- 8) Approximate salt water depths: 1787'-1800' 271' 331'-333'
- 9) Approximate coal seam depths: Sanity 777'-779' None 1620' 1647'-1661' 1712'
- 10) Does land contain coal seams tributary to active mine? Yes \_\_\_ No XX
- 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	
Conductor	11"	F-25	37.5	30'	-----	
Fresh Water	8 5/8"	J-55	20.0	1295'	1295'	C.T.S. 38CSRI8-11.3 38CSRI8-11.2 2
Intermediate						
Production	4 1/2"	J-55	10.5	5395'	5395'	38CSRI8-11.1
Tubing	1 1/2"	H-40	2.75			
Liners						

RECEIVED  
SEP 20 1969

PACKERS : Kind  
Sizes  
Depths set

5478  
241 Fee(s) paid: PLI Well Work Permit PLI Reclamation Fund PLI WPCP  
PLI Plat PLI WW-9 PLI WW-2B Blampel Dura Bond PLI Agent

DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY



DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

Date: September 5, 1989  
Operator's well number  
K.C. Summers #3 - WVD0001303  
API Well No: 47 - 017 - 3748  
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 G.W. Hill  
Address General Delivery  
Greenwood, WV 26360
- (b) Name \_\_\_\_\_  
Address \_\_\_\_\_
- (c) Name \_\_\_\_\_  
Address \_\_\_\_\_
- 6) Inspector Mike Underwood  
Address Route 2, Box 135  
Salem, WV 26426  
Telephone (304) - 782-1043
- 5) (a) Coal Operator:  
Name None  
Address \_\_\_\_\_
- (b) Coal Owner(s) with Declaration  
Name \_\_\_\_\_  
Address \_\_\_\_\_
- Name \_\_\_\_\_  
Address \_\_\_\_\_
- (c) Coal Lessee with Declaration  
Name \_\_\_\_\_  
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

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 8 on the above named parties, by: \_\_\_\_\_

XX Certified Mail (Postmarked postal receipt attached) Hand Del. Sur. Own. Publication (Notice of Publication attached) and Insp. Pkts.

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  
Its: Designated Agent John M. Paletti  
Address P.O. Box N  
Glenville, WV 26351

Telephone (304) 462-5781  
Subscribed and sworn before me this 21<sup>st</sup> day of September, 1989

My commission expires September 2, 1996 Notary Public

RECEIVED  
WV Division of  
Environmental Protection

OCT 30 1995

017-4229

was: 017 3748

FORM WW-2B

Office of Permitting

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

Page 3 of 9

259

Well Operator: Eastern American Energy Corporation

14980 (D) 539

Operator's Well Number: K.C. Summers #3

3) Elevation: 1145'

21282

Well type: (a) Oil \_\_\_ / or Gas XX/

Logged 11/15/95  
Exposed 11/15/97

(b) If Gas: Production XX/ Underground Storage \_\_\_  
Deep \_\_\_ / Shallow XX

Proposed Target Formation(s): Alexander

439

Proposed Total Depth: 5480' feet

7) Approximate fresh water strata depths: 119', 314'

8) Approximate salt water depths: 1620'

9) Approximate coal seam depths: None

10) Does land contain coal seams tributary to active mine? Yes \_\_\_ / No XX/

11) Proposed Well Work: Drill and complete new well.

12)

CASING AND TUBING PROGRAM

TYPE	SIZE	GRADE	WEIGHT PER FT.	FOOTAGE FOR DRILLING	LEFT IN WELL	FILL-UP (CU. FT.)
Conductor	11"	F-25	37.5	20'		
Fresh Water	8-5/8"	J-55	20.0	1145'	1145'	C.T.S. 38CSR18-11.3 38CSR18-11.2, 2
Coal	*					
Intermediate						
Production	4-1/2"	J-55	10.5	5395'	5395'	38CSR18-11.1
Tubing	1-1/2"	H-40	2/75			
Liners						

\* OPTIONAL: Based upon coal or excessive amounts of water being encountered below the 955/8 casing.

PACKERS : Kind

Sizes

Depths set

For Division of Oil and Gas Use Only

Fee(s) paid: 226.00 Well Work Permit 226.00 Reclamation Fund 10.00 WPCP

Plat 14980 (D) WW-9 259 WW-2B 539 Bond 259 (Type)

Agent 259

177-271-1100  
Environmental Protection  
Division of Oil & Gas  
Permitting  
Office of Oil & Gas  
October 31 1995

STATE OF WEST VIRGINIA - BUREAU OF ENVIRONMENT  
DIVISION OF ENVIRONMENTAL PROTECTION  
OFFICE OF OIL AND GAS

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

1) Date: October 24, 1995  
2) Operator's Well number K.C. Summers #3  
3) API Well No: 47 - 017 - 4229  
State County Permit

4) Surface Owner(s) to be served:  
(a) Name Pearl H. Hill  
Address P.O. Box 622  
Pennsboro, WV 26415

5) (a) Coal Operator:  
Name N/A  
Address \_\_\_\_\_

(b) Name COURTESY:  
Address Dennis Wolverton

(b) Coal Owner(s) with Declaration  
Name N/A  
Address \_\_\_\_\_

(c) Name West Union, WV  
Address 402 Columbia Street  
West Union, WV 26426

Name \_\_\_\_\_  
Address \_\_\_\_\_

6) Inspector Mike Underwood  
Address Rt. 2 Box 135  
Salem, WV 26426  
Telephone (304) - \_\_\_\_\_

(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

XX Included is the information required by Chapter 22, Article 6, Section 8(d) of the Code of West Virginia (see page 2)

I certify that as required under Chapter 22 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)  
XX Certified Mail (Postmarked postal receipt attached)  
Publication (Notice of Publication attached)

I have read and understand Chapter 22-6 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: [Signature]  
Its: [Signature] Designated Agent  
Address P.O. Box 820  
Glenville, WV 26351

Subscribed and sworn before me this 24th day of October, 1995

[Signature] Notary Public  
My commission expires October 10, 2000