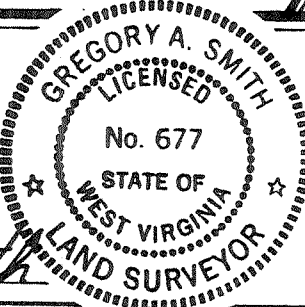
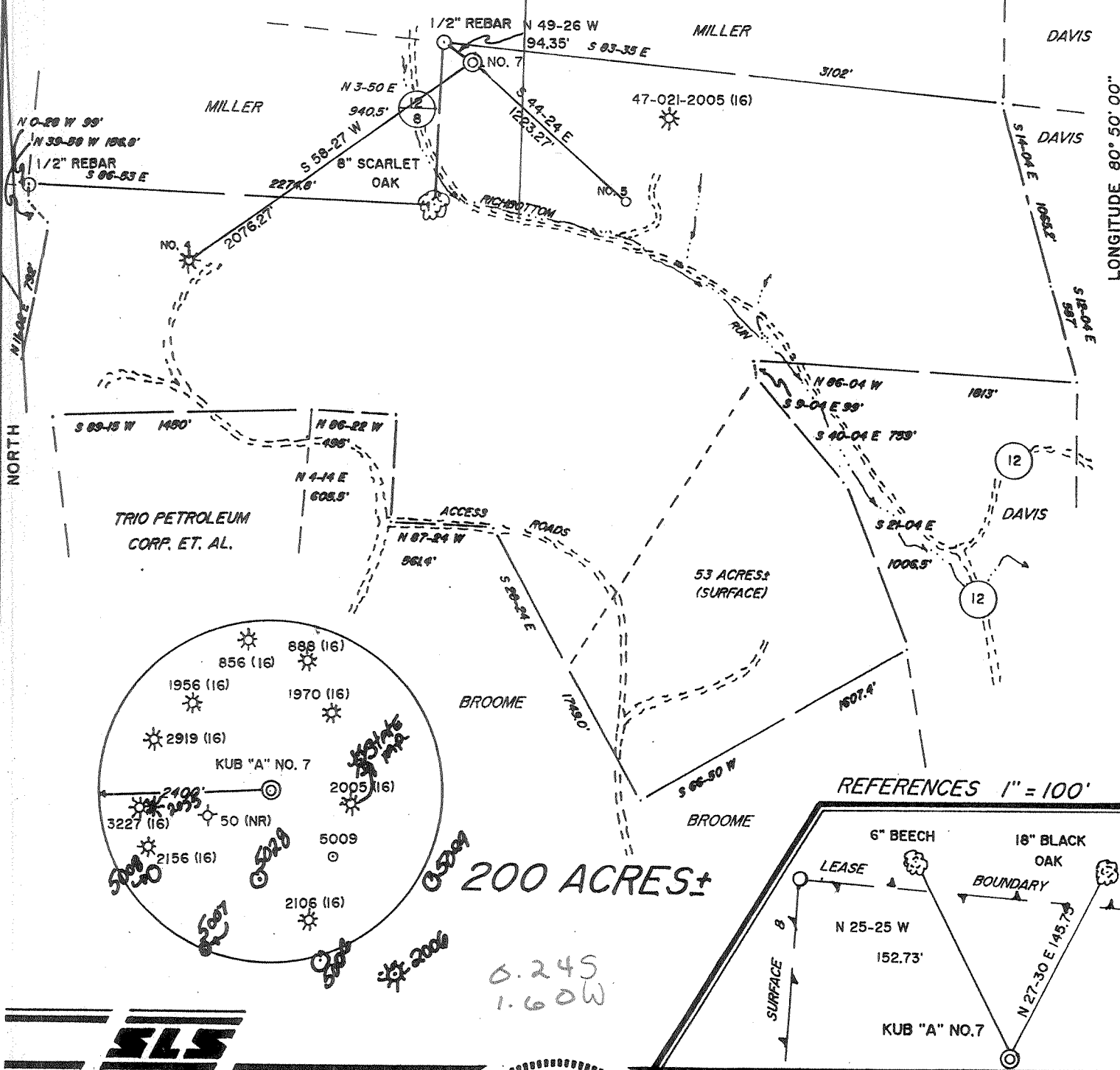


James  
3/13/92

0.245  
1.60W

# KUB "A" LEASE WELL NO. 7




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 JANUARY 27, 19 92  
 OPERATORS WELL NO. KUB "A" WELL NO. 7  
 API WELL NO. 47 - 021 - 5042  
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 2700 (36-68)  
 SCALE 1" = 800'  
 PROVEN SOURCE OF ELEVATION TOP OF KNOB ELEVATION 1336'

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 951' WATERSHED RICHBOTTOM RUN  
 DISTRICT DEKALB 2 COUNTY GILMER QUADRANGLE GLENNVILLE 7.5 drs 1c

SURFACE OWNER TRIO PETROLEUM CORP. ET. AL. ACREAGE 200  
 ROYALTY OWNER TRIO PETROLEUM CORP. ET. AL. LEASE ACREAGE 200

PROPOSED WORK: LEASE NO. \_\_\_\_\_  
 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 ELK SAND  
 ESTIMATED DEPTH 5400'

WELL OPERATOR ANGERMAN ASSOCIATES Inc. 34 DESIGNATED AGENT WILLIS J. MAXWELL  
 ADDRESS 109 ZETA DR., PITTSBURGH, PA. 15238 ADDRESS RT. 65, BOX 7, GLENNVILLE, WV. 26351

DEEP WELL 6-6 Burnt House Lucerne (136)

COUNTY NAME PERMIT

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

Well Operator's Report of Well Work

**RECEIVED**  
Office of Oil & Gas  
SEP 30 92  
WV Division of  
Environmental Protection

Farm name: TRIO PETROLEUM

Operator Well No.: KUB A-7

LOCATION: Elevation: 951.00      Quadrangle: GLENVILLE

District: DEKALB      County: GILMER  
Latitude: 1240 Feet South of 39 Deg. 0 Min. 0 Sec.  
Longitude 8490 Feet West of 80 Deg. 50 Min. 0 Sec.

Company: ANGERMAN ASSOC., INC.  
109 ZETA DRIVE  
PITTSBURGH, PA 15238-0000

Agent: WILLIS J. MAXWELL

Inspector: CRAIG DUCKWORTH  
Permit Issued: 03/16/92  
Well work Commenced: 8/1/92  
Well work Completed: 8/6/92  
Verbal Plugging  
Permission granted on: \_\_\_\_\_  
Rotary X Cable \_\_\_\_\_ Rig  
Total Depth (feet) 6301' KB LTD  
Fresh water depths (ft) 1/2" @ 110

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
11-3/4"	30.0	0.0	
8-5/8"	1327.10	1327.10	To surface w/315 sks. Class A, 957 ft. w/Poz/Gils.
4-1/2"	6274.65	6274.65	
1-1/2"	6009.00	6009.00	

Salt water depths (ft) \_\_\_\_\_

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

OPEN FLOW DATA

Producing formation Balltown through Black Shale Pay zone depth (ft) 3375 KB to 6189' KB  
Gas: Initial open flow 15 MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/c  
Final open flow 822 MCF/d Final open flow \_\_\_\_\_ Bbl/c  
Time of open flow between initial and final tests \_\_\_\_\_ Hours  
Static rock Pressure 1385 psig (surface pressure) after 72 Hours

Second producing formation \_\_\_\_\_ Pay zone depth (ft) \_\_\_\_\_  
Gas: Initial open flow \_\_\_\_\_ MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/c  
Final open flow \_\_\_\_\_ MCF/d Final open flow \_\_\_\_\_ Bbl/c  
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: ANGERMAN ASSOC., INC.

Reviewed TM6  
Recorded \_\_\_\_\_

By: [Signature]  
Date: September 22, 1992

OCT 20 1992

13386

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

Well Operator's Report of Well Work

Farm Name: Trio Petroleum  
 Permit No.: 47-21-05042

Operator Well No.: KUB "A" #7

Details of Perforated Intervals, fracturing or stimulating, physical change, etc.

Formation	Perforations	Treatment		Slurry Rate	Wlhd Pressure
		20/40 Sand Pounds	Volume Form Bbl. 20# gel		
Black Shales	5405-6189 (15)	25,000	398	7.50	3400
Alexander	4797-4850 (12)	30,000	357	8.87	2353
Riley-Benson	4149-4527 (11)	35,000	448	10.94	3139
		5,000	(80/100)		
Balltown	3735-3784 (10)	25,000	299	12.83	2826

Well Log

Formation Coal Hard or Soft	Top Feet	Bottom Feet	Remarks (Including indication of all fresh and salt water, coal, oil and gas)
KB-GL	0	10	
Fill	10	15	
Shale & Red Rock	15	80	
Sand & Shale	80	202	1/2" stream @ 110'
Coal	202	205	
Sand & Shale	205	408	
Sand	408	530	
Sand & Shale	530	726	
Sand	726	764	
Sand & Shale	764	947	
Sand	947	1019	
Sand & Shale	1019	1263	
Shale	1263	1380	
Sand & Shale	1380	1584	
Sand	1584	1596	
Sand & Shale	1596	1683	Ck. gas @ 1676'-no show
Big Lime	1683	1739	
Injun	1739	1835	Ck. gas @ 1770'-no show
Sand & Shale	1835	1950	Ck. gas @ 1832'-no show
Weir	1950	2019	Ck. gas @ 2019'-no show
Sand & Shale	2019	2640	
Sand	2640	2714	Ck. gas @ 2682'-no show

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

Well Operator's Report of Well Work

Farm Name: Trio Petroleum  
Permit No.: 47-21-05042

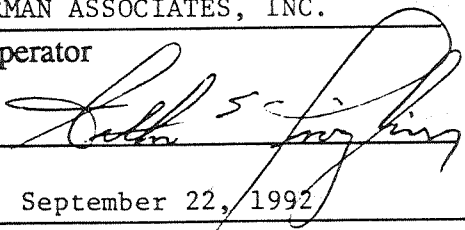
Operator Well No.: KUB "A" #7

Sand & Shale	2714	2997	
Speechley	2997	3045	Ck. gas @ 3029'-no show
Sand & Shale	3045	3720	
Balltown	3720	3740	
Sand & Shale	3740	4460	Ck. gas @ 3786' 2/10 1" p w/w
Riley	4460	4508	Ck. gas @ 4478' 2/10 1" w/w
Sand & Shale	4508	4562	
Benson	4562	4574	Ck. gas @ 4604' 4/10 1" w/w
Sand & Shale	4574	4774	Ck. gas @ 4826'-2/10 1" w/w
Alexander	4774	4818	Ck. gas @ 5427' 2/10 1" p w/w
Sand & Shale	4818	5100	Ck. gas @ 5903' 2/10 1" p w/w
B. Shale	5100	6220	Ck gas @ 6300' 4/10 1" w/w
Marcellous	6220	6279	Ck. gas @ DC 2/10 1" p w/w
Lime	6279	6301	LTD

(Attach separate sheets as necessary)

ANGERMAN ASSOCIATES, INC.

Well Operator

By: 

Date: September 22, 1992

067 0 0 1032

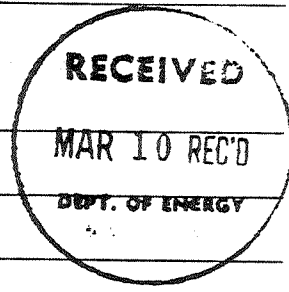
021-5042

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

Issued 3/16/92

Expires 3/16/94

- 1) Well Operator: ANGERMAN ASSOCIATES, INC. 2200 2 372
- 2) Operator's Well Number: KUB "A" WELL NO. 7 3) Elevation: 951'
- 4) Well Type: (a) Oil  or Gas   
(b) If Gas: Production  Underground Storage   
Deep  Shallow
- 5) Proposed Target Formation: Marcellus Shale
- 6) Proposed Total Depth: 6100 feet
- 7) Approximate fresh water strata depths: 85'
- 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		Weight per ft.	FOOTAGE INTERVALS		CEMENT
	Size	Grade		For drilling	Left in well	
Conductor	11-3/4"			40'	0'	0 Sacks
Fresh Water	8-5/8"			800'	800'	} CTS 38 CSR 18-11.3 38 CSR 18-11.2.2
Coal						
Intermediate						
Production	4-1/2"			6100'	6100'	CTS or 38 CSR 18-11.1
Tubing						
Liners						

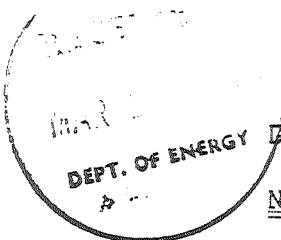
PACKERS : Kind \_\_\_\_\_  
 Sizes \_\_\_\_\_  
 Depths set \_\_\_\_\_

For Division of Oil and Gas Use Only

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

21945  
c

1) Date: February 18th, 1992  
2) Operator's well number  
KUB "A" WELL NO. 7  
3) API Well No: 47 - 021 - 5042  
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>Trio Petroleum Corporation, et al</u> Address <u>Rt. 76, Box 35-E</u> <u>Glenville, WV 26351</u></p> <p>(b) Name _____ Address _____</p> <p>(c) Name _____ Address _____</p>	<p>5) (a) Coal Operator: Name <u>N/A</u> Address _____</p> <p>(b) Coal Owner(s) with Declaration Name <u>N/A</u> Address _____</p> <p>(c) Coal Lessee with Declaration Name <u>N/A</u> Address _____</p>
<p>6) Inspector <u>Craig Duckworth</u> Address <u>Box 107, Davisson Route</u> <u>Gassaway, WV 26624</u> Telephone <u>(304) - 364 - 5942</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  
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 ANGERMAN ASSOCIATES, INC.  
 By: X [Signature]  
 Its: President - Samuel L. Kimmel  
 Address 109 Zeta Drive  
Pittsburgh, PA. 15238  
 Telephone (412) 963 - 0550

Subscribed and sworn before me this 17th day of February, 1992

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