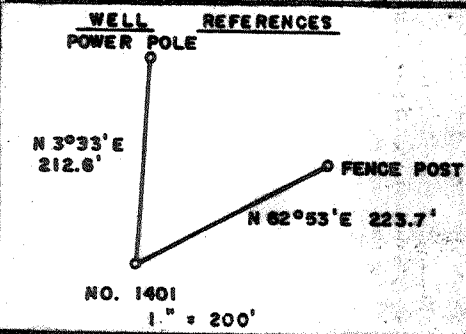
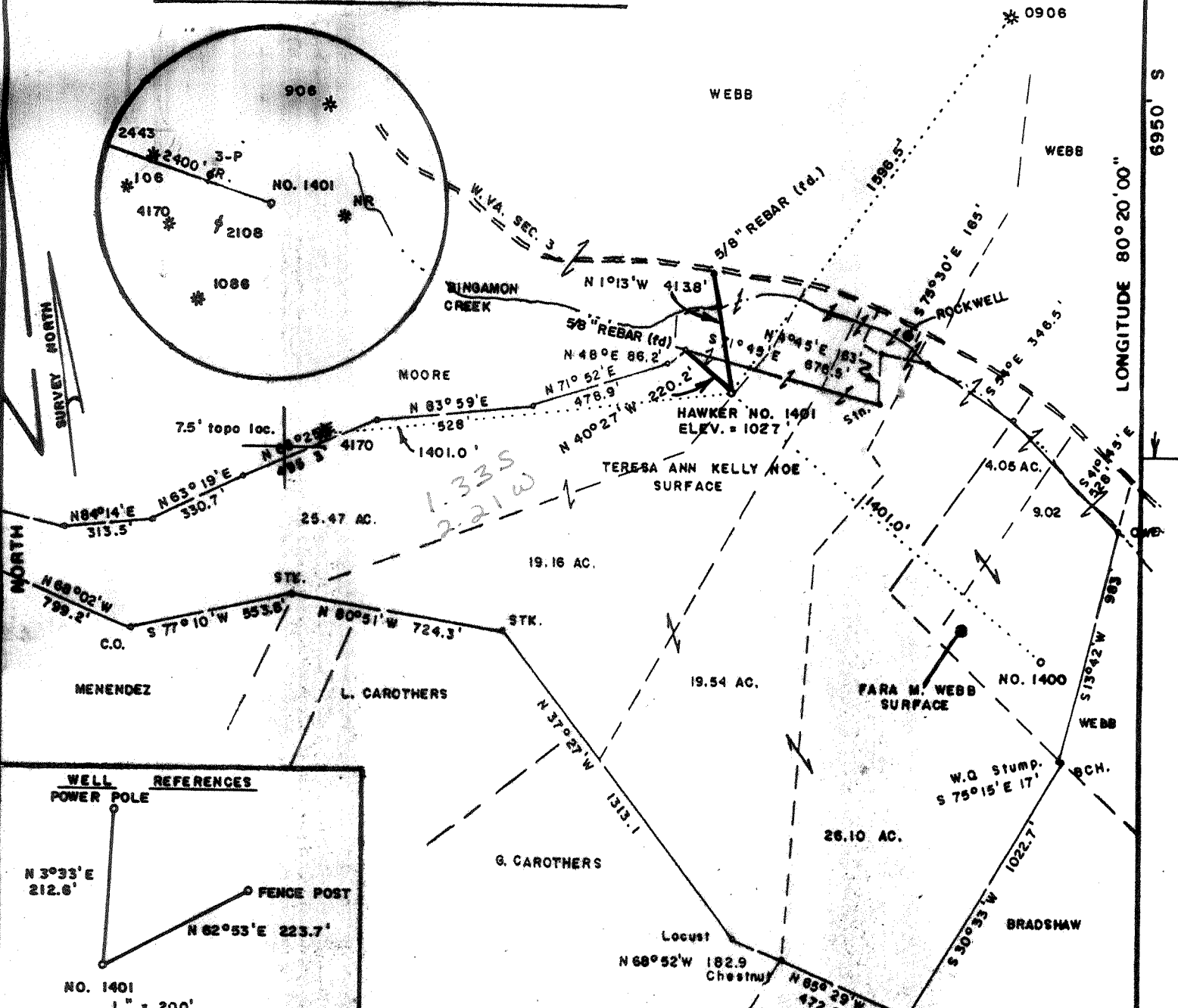
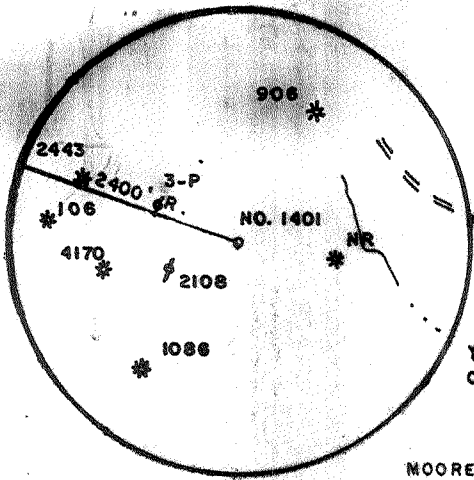


# HAWKER LEASE 95.44 AC.

LATITUDE 39°27'30" W 11,700'

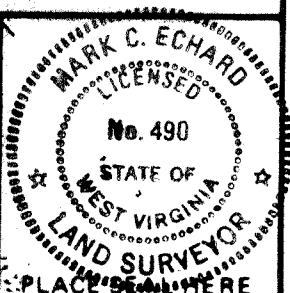
LONGITUDE 80°20'00" S 6950'



FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 500'  
 MINIMUM DEGREE OF ACCURACY 1/2500  
 PROVEN SOURCE OF ELEVATION BM EAST OF LEASE  
 ELEV. = 971'

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.

*Mark C. Echard*  
 (SIGNED) MARK C. ECHARD  
 R.P.E. \_\_\_\_\_ L.L.S. 490



WEST VIRGINIA  
 DIVISION OF ENVIRONMENTAL PROTECTION  
 OFFICE OF OIL AND GAS  
 #10 McJUNKIN ROAD  
 NITRO, WEST VIRGINIA 25143-2506



DATE NOVEMBER 3, 19 97  
 OPERATOR'S WELL NO. HAWKER NO. 1401  
 API WELL NO. 47-033-0489  
 STATE COUNTY PERMIT

WELL TYPE: OIL \_\_\_ GAS \_\_\_ LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS.") PRODUCTION \_\_\_ STORAGE \_\_\_ DEEP \_\_\_ SHALLOW \_\_\_  
 LOCATION: ELEVATION 1027' WATER SHED BINGAMON CREEK  
 DISTRICT EAGLE COUNTY HARRISON  
 QUADRANGLE SHINNSTON 7.5  
 SURFACE OWNER TERESA ANN KELLY NOE ACREAGE 25.47 AC.  
 OIL & GAS ROYALTY OWNER CH. HARDESTY, JR. et al LEASE ACREAGE 95.44  
 LEASE NO. L-946  
 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 BENSON ESTIMATED DEPTH 5100'  
 WELL OPERATOR TRIO PETROLEUM CORP. DESIGNATED AGENT STEPHEN E. HOLLOWAY  
 ADDRESS P.O. BOX 880 GLENVILLE, WV 26351 ADDRESS P.O. BOX 880 GLENVILLE, WV 26351

DEC 29 1997

6-6 104

Environmental Protection

FEB 2 1998

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: **NOE, TERESA ANN KELLY** Operator Well No.: **HAWKER #1401**

LOCATION: Elevation: **1,027.00** Quadrangle: **SHINNSTON**  
District: **EAGLE** County: **HARRISON**  
Latitude: **6950** Feet South of **39** Deg. **27** Min. **30** Sec.  
Longitude: **11700** Feet West of **80** Deg. **20** Min. **0** Sec.

Company: **TRIO PETROLEUM CORP.**  
**P. O. BOX 880**  
**GLENVILLE, WV 26351-0880**

Agent: **STEPHEN E. HOLLOWAY**

INSPECTOR: **TIM BENNETT**

Permit Issued: **12/23/97**

Well work commenced: **01/21/98**

Well Work completed: **01/26/98**

Verbal Plugging

Permission granted on:

Rotary  Cable Rig

Total Depth (feet) **4,690'**

Fresh water depths (ft) **20', 135'**

Salt water depths (ft) **402'**

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

Coal Depths (ft): **132 - 136**

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
11-3/4"	171'	171'	C. T. S.
8-5/8"	1,371'	1,371'	C. T. S.
4-1/2"		4,056'	215'sks.

OPEN FLOW DATA

Producing formation **BALLTOWN** 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 **444** MCF/d Final open flow **N/A** Bbl/d

Time of open flow between initial and final tests **4** Hours

Static Rock pressure **1100** 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: *Daniel R. Chapman*  
**TRIO PETROLEUM CORP.**

By: **Daniel R. Chapman, Geologist**

Date: **FEBRUARY 5, 1998**

MAR 06 1998

1st Stage: Balltown (3930-3864) 1000 gal 15% HCL, 5000#  
80/100, 50,000# 20/40, 561 mcf N<sub>2</sub>, 256 bbl H<sub>2</sub>O

2nd Stage: Balltown (3418-3402) 750 gal 15% HCL, 5000# 80/100,  
50000# 20/40, 504 mcf N<sub>2</sub>, 256 bbl H<sub>2</sub>O

Sand, Shale	0	235	
Sand, Shale, Red Rock	235	465	1/2" stream @ 20'
Sand, Shale	465	1386	1" stream @ 135'
Little Lime	1386	1400	Coal 132' - 136'
Blue Monday	1400	1433	
Big Lime	1433	1514	
Big Injun	1514	1600	
Sand, Shale	1600	2885	
Speechly Section	2885	3106	
Shale	3106	3133	
Balltown Section	3133	4032	
Riley Section	4032	4500	
Shale	4500	4573	
Benson	4573	4578	
Shale	4578	4690	T. D.

033-4189

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

Issued 12/23/97  
Expires 12/23/99

24693

- Well Operator: Trio Petroleum Corp. <sup>605 50650</sup> (4) 60
- Operator's Well Number: Hawker 1401 3) Elevation: 1,027'
- Well type: (a) Oil  / or Gas 
  - (b) If Gas: Production  / Underground Storage 
    - Deep  / Shallow
- Proposed Target Formation(s): Benson <sup>485</sup>
- Proposed Total Depth: 5,100' feet
- Approximate fresh water strata depths: 75'
- Approximate salt water depths: N/A
- Approximate coal seam depths: 85'
- Does land contain coal seams tributary to active mine? Yes  / No
- Proposed Well Work: Drill and stimulate new well.
- 12)

RECEIVED  
W. Virginia Division of  
Environmental Protection  
DEC 29 1997  
Permitting  
Office of Oil & Gas

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS		FOOTAGE INTERVALS		CEMENT	
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Conductor						<u>30CSR18/1.3</u>
Fresh Water	8-5/8"	A P I	20#	1,020'	1,020'	C. T. S.
Coal						<u>38CSR18/1.2.2</u>
Intermediate						
Production	4-1/2"	A P I	10.5#		<u>5,050'</u>	325 Sks.
Tubing						<u>38CSR18/1.1</u>
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)

006 353

23

1) Date: November 21, 1997  
2) Operator's well number  
Hawker 1401  
3) API Well No: 47 - 033 - 4189  
State County Permit

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

**NOTICE AND APPLICATION FOR A WELL WORK PERMIT**

- 4) Surface Owner(s) to be served: 5) (a) Coal Operator:
- (a) Name Teresa Ann Kelly Noe Name N/A  
Address P. O. Box 81 Address \_\_\_\_\_  
Wyatt, WV 26463
- (b) Name \_\_\_\_\_ (b) Coal Owner(s) with Declaration  
Address \_\_\_\_\_ Name Consolidation Coal Co.  
Address Consol Plaza  
1800 Washington Road  
Pittsburgh, PA 15241  
Address Attn: Engineering Dept.
- (c) Name \_\_\_\_\_  
Address \_\_\_\_\_
- 6) Inspector Tim Bennett (c) Coal Lessee with Declaration  
Address 737 Karl St. Name N/A  
Weston, WV 26452 Address \_\_\_\_\_  
Telephone (304)-543-1284

**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 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        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 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 Trig Petroleum Corp.  
By: [Signature] Stephen E. Holloway  
Its: Agent  
Address P.O. Box 880  
Glenville, WV 26351-0880  
Telephone (304) 462-5347

Subscribed and sworn before me this 21st day of November, 19 97

Sandra Ann Pettit Notary Public  
My commission expires 8-24-2007