

AB

WELL REFERENCES:

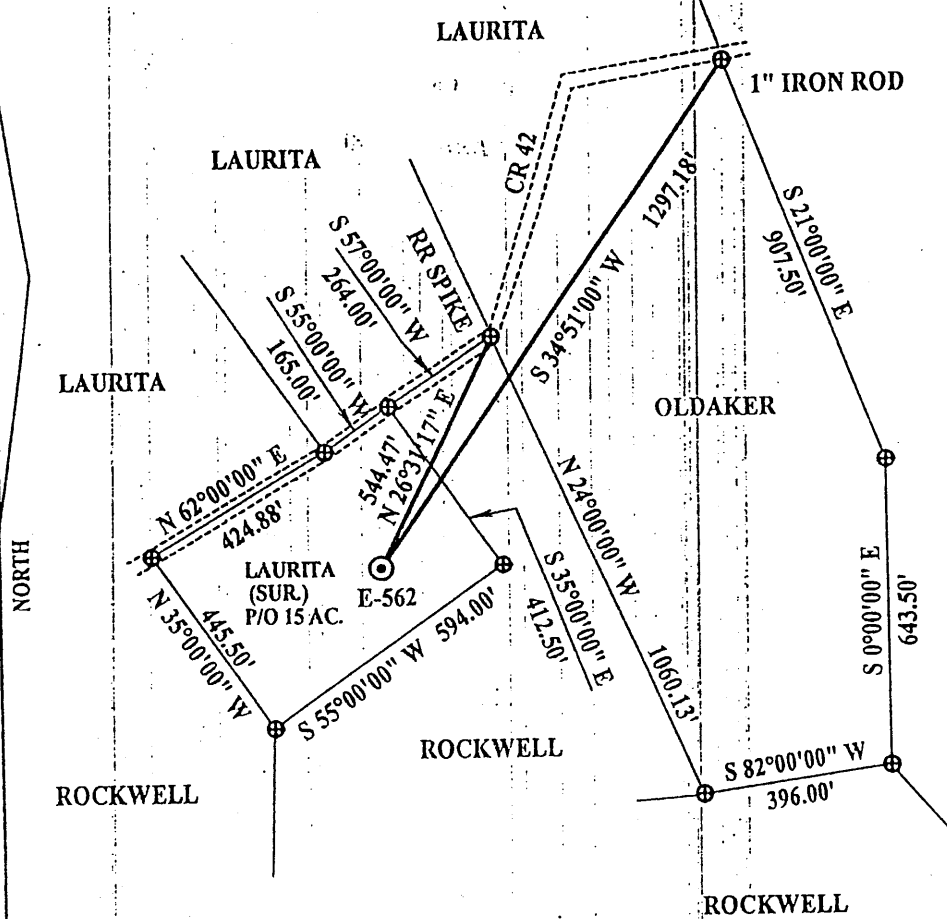
S27-30W, 113.00' TO 8" RED MAPLE  
N74-00E, 126.00' TO 8" SOURWOOD

LATITUDE 39-30-00

SCALED COOR.:

12,695' SOUTH  
10,250' WEST

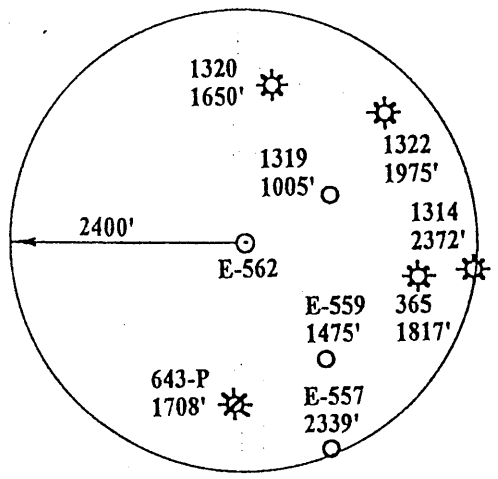
LONGITUDE 80-20-00



NAD 27:  
39-27-53.58  
80-22-09.21

NAD 27 WV NORTH SPC:

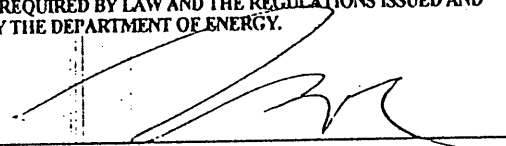
E-562 = 352,617.10  
1,754,596.34'




(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NUMBER: \_\_\_\_\_  
DRAWING NUMBER: EXPCAPEL1.PCS  
SCALE: 1" = 400'  
MINIMUM DEGREE OF ACCURACY: 1 IN 200  
PROVEN SOURCE OF ELEVATION: DGPS SURVEY 07/01/02  
SUBMETER SYSTEM

I THE UNDERSIGNED, HEREBY STATE 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.

(SIGNED)   
STEPHEN D. LOSH, P.S. #674

  
PLACE SEAL HERE

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

FORM WW-6

LAND SURVEYING SERVICES  
21 CEDAR LANE, BRIDGEPORT, WV 26330  
PHONE: 304-842-2018 OR 842-5762

DATE: JULY 01, 2002

OPERATORS WELL NO.: E-562

API WELL NO. 47 - 049 - 1385

STATE COUNTY PERMIT

LOCATION: ELEVATION 1206.34' WATERSHED BIG RUN

DISTRICT MANNINGTON COUNTY MARION

QUADRANGLE SHINNSTON LEASE NUMBER 517

SURFACE OWNER JOSEPH A. LAURITA, JR. ET. AL. ACREAGE 15.00

OIL & GAS ROYALTY OWNER BETTY CAPPEL, ET. AL. LEASE ACREAGE 15.00

PROPOSED WORK: DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION

PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE (SPECIFY) \_\_\_\_\_

TARGET FORMATION BALLTOWN PLUG & ABANDON  CLEAN OUT & REPLUG

WELL OPERATOR EXPLORATION PARTNERS, LLC DESIGNATED AGENT LOUIS FERRARI

ADDRESS P. O. BOX 930, BRIDGEPORT, WV 26330 ADDRESS P. O. BOX 930, BRIDGEPORT, WV 26330

COUNTY NAME PERMIT MARION 1385

(Farmington 64)

OCT 4 2002

*MP*

STATE OF WEST VIRGINIA  
DIVISION OF ENVIRONMENTAL PROTECTION  
SECTION OF OIL AND GAS

WELL OPERATOR'S REPORT OF WELL WORK

FARM NAME: Cappel

OPERATOR WELL NO: E-562

LOCATION: ELEVATION: 1206

QUADRANGLE: Shinnston

DISTRICT: Mannington

COUNTY: Marion

LATITUDE: 12,695 FEET SOUTH OF 39 DEG. 30 MIN. 00 SEC.

LONGITUDE: 10,250 FEET WEST OF 80 DEG. 20 MIN. 00 SEC.

COMPANY: EXPLORATION PARTNERS, LLC

PO BOX 930  
BRIDGEPORT, WV 26330

AGENT: LOUIS A. FERRARI

INSPECTOR: Steve Mosser

PERMIT ISSUED: 10/10/02

WELL WORK COMMENCED: 2/14/03

WELL WORK COMPLETED: 2/20/03

VERBAL PLUGGING

PERMISSION GRANTED ON:

ROTARY X CABLE RIG

TOTAL DEPTH (FEET) 3210'

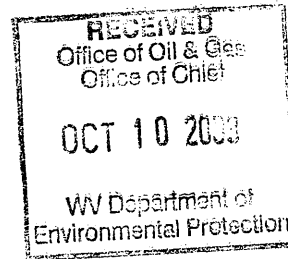
FRESH WATER DEPTHS (FT)

SALT WATER DEPTHS (FT) N/A

IS COAL BEING MINED IN AREA (Y/N)? N

COAL DEPTHS (FT) 45,200,430

CASING & TUBING SIZE	USED IN DRILLING	LEFT IN WELL	CEMENT FILL UP CU. FT.
13 3/8	,	,	
9 5/8	,	,	SKS
7	1190'	1190'	208 SKS
4 1/2	2860'	2860'	130 SKS



OPEN FLOW DATA

PRODUCING FORMATIONS Gordon,30',50',Pocono,Big Injun PAY ZONES DEPTH (FT) 1830-2740-

GAS: INITIAL OPEN FLOW show MCF/D OIL: INITIAL OPEN FLOW N/A BBL/  
FINAL OPEN FLOW 103 MCF/D FINAL OPEN FLOW N/A BBL/  
TIME OF OPEN FLOW BETWEEN INITIAL AND FINAL TESTS 24 HOUR(S)  
STATIC ROCK PRESSURE 115 PSIG (SURFACE PRESSURE AFTER 24 HOUR(S))

SECOND PRODUCING FORMATION PAY SONE DEPTH (FT)  
GAS: INITIAL OPEN FLOW MCF/D OIL: INITIAL OPEN FLOW N/A BBL/  
FINAL OPEN FLOW MCF/D FINAL OPEN FLOW N/A BBL/  
TIME OF OPEN FLOW BETWEEN INITIAL AND FINAL TESTS HOUR(S)  
STATIC ROCK PRESSURE PSIG (SURFACE PRESSURE AFTER HOUR(S))

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1) DETAILS OF PERFORATE 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: EXPLORATION PARTNERS, LLC

BY: *[Signature]* LOUIS A. FERRARI

DATE: October 8, 2003

MAR 13 85

OCT 14 2003

FORM IV-35  
(REVERSE)

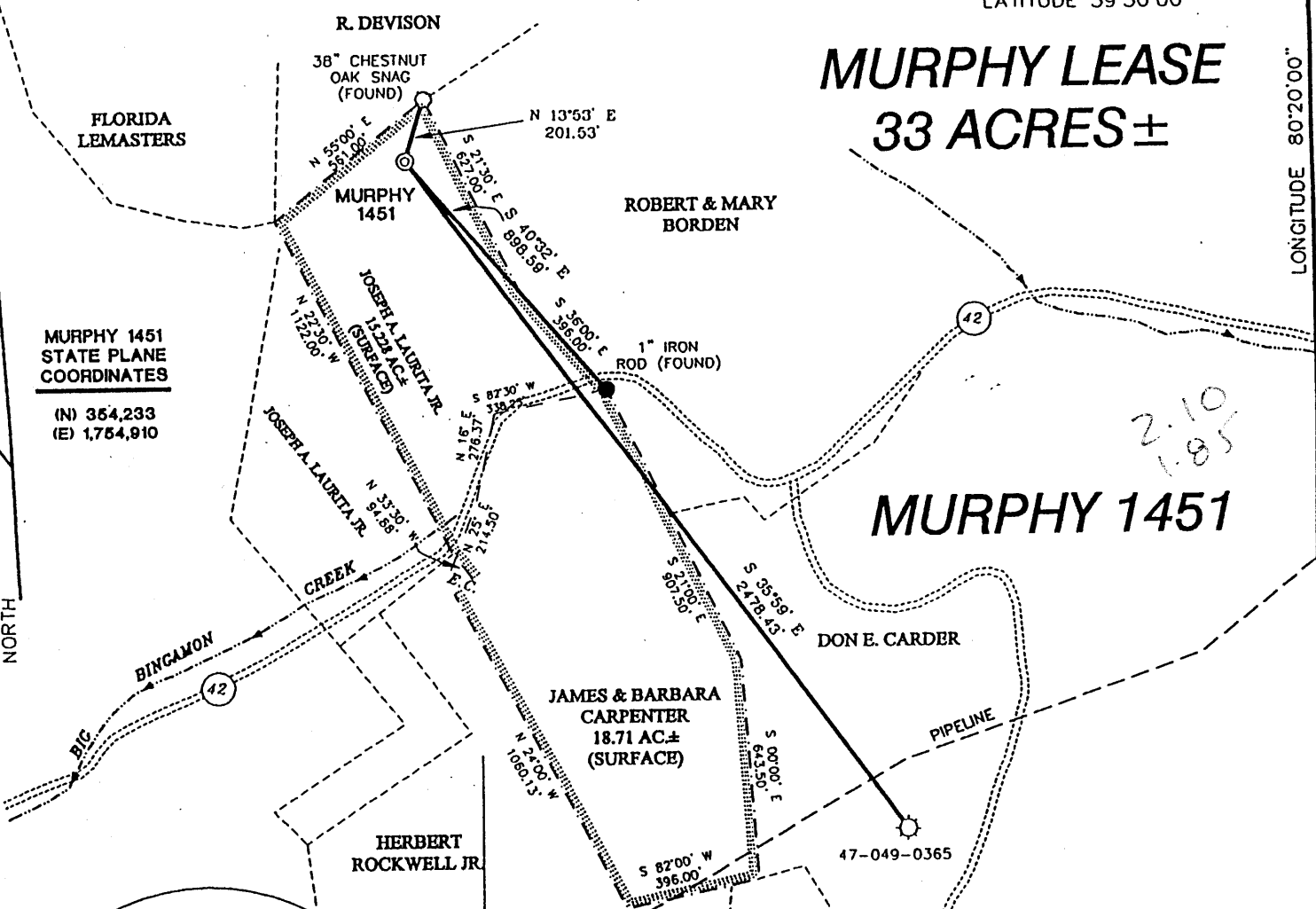
- 419-419 I. 2721-2694, 18 HOLES, 500 GAL.HCL,150 SKS 20/40, 230 BBL GELLED H2O  
 412-412 II. 2672-2599, 20 HOLES, 500 GAL HCL, 125 SKS 20/40,205 BBL GELLED H2O  
 412-412 III. 2544-2538, 12 HOLES, 500 GAL HCL, 50 SKS 20/40, 120 BBL GELLED H2O  
 412-414 IV. 2447-2378. 26 HOLES, 750 GAL HCL, 150 SKS 20/40, 240 BBL GELLED H2O  
 375-371 V. 1946-1934, 16 HOLES, 500 GAL. HCL, 100 SKS 20/40, 160 BBL GELLED H2O  
 345-375 VI. 1909-1823, 23 HOLES, 750 GAL. HCL, 300 SKS 20/40, 260 BBL GELLED H2O

WELL LOG

FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS-including indication of all fresh and salt water, coal and gas
DIRT	0	20	
SAND	20	45	
COAL	45	50	
SAND & SHALE	50	200	
COAL	200	205	
SAND & SHALE	205	430	
COAL	430	440	
SAND & SHALE	440	830	
RED ROCK	830	840	
SAND & SHALE	840	1050	
RED ROCK	1050	1060	
SAND & SHALE	1060	1770	
BIG LIME	1770	1830	
BIG INJUN	1830	1940	
SHALE	1940	1950	
POCONO	1950	1970	
SHALE	1970	2280	
GANTZ	2280	2290	
SHALE	2290	2400	
50'	2400	2530	
SHALE	2530	2570	
30'	2570	2580	
SHALE	2580	2690	
GORDON	2690	2740	
SHALE	2740	3210	DTD

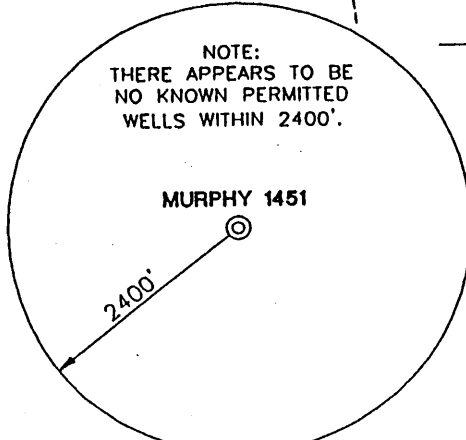
# MURPHY LEASE 33 ACRES ±

## MURPHY 1451



**MURPHY 1451  
STATE PLANE  
COORDINATES**  
(N) 354,233  
(E) 1,754,910

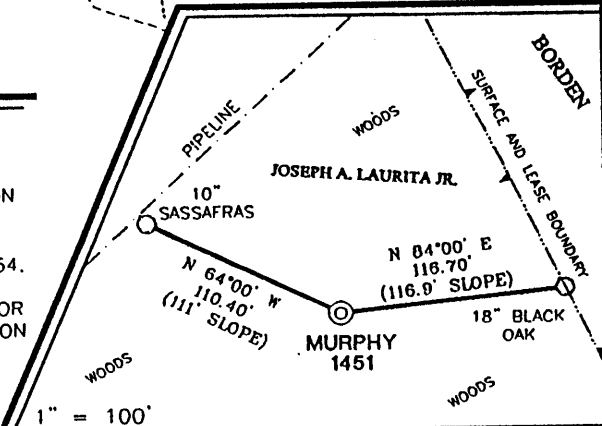
2.10  
1.85



### NOTES ON SURVEY

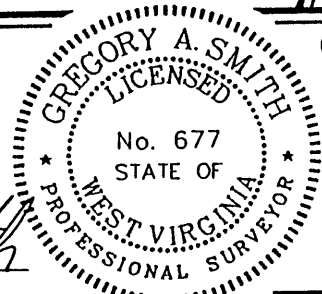
1. TIES TO WELLS AND CORNERS ARE BASED ON STATE PLANE GRID NORTH WV SOUTH ZONE NAD '27.
2. TIES TO REFERENCES ARE BASED ON MAGNETIC NORTH 7/12/00.
3. LEASE BOUNDARY SHOWN HEREON TAKEN FROM DEED BOOK 927 PAGE 854.
4. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF MARION COUNTY IN JULY, 2000.
5. WELL LAT./LONG. ESTABLISHED BY DGPS(SUBMETER MAPPING GRADE).

### REFERENCES



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.


P.S. 677 Gregory A. Smith



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.  
DATE JULY 20, 20 00  
OPERATORS WELL NO. MURPHY 1451  
API WELL NO. 47-049-01320  
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 4440P1451 (91-15)  
PROVEN SOURCE OF ELEVATION JUNCTION OF ROADS ELEVATION 1007' SCALE 1" = 500'

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



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

LOCATION : ELEVATION 1440' WATERSHED BIG BINGAMON CREEK  
DISTRICT MANNINGTON COUNTY MARION QUADRANGLE SHINNSTON 7.5'

SURFACE OWNER JOSEPH A. LAURITA, JR. et al ACREAGE 15.228  
ROYALTY OWNER WACO OIL & GAS CO., INC. et al LEASE ACREAGE 33  
PROPOSED WORK : LEASE NO. 958

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 BENSON  
ESTIMATED DEPTH 5000'

WELL OPERATOR TRIO PETROLEUM CORP. DESIGNATED AGENT STEPHEN E. HOLLOWAY  
ADDRESS P.O. BOX 880 GLENVILLE, WV 26351-880 ADDRESS P.O. BOX 880 GLENVILLE, WV 26351-880

MAY 25 2001

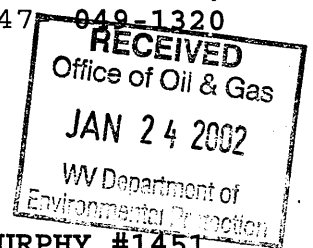
MAR 16 2001  
COUNTY NAME  
PERMIT 1320

*ALB*

API # 47

Jan. 22, 2002

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



Well Operator's Report of Well Work

Farm name: **JOSEPH A. LAURITA, JR.** Operator Well No.: **MURPHY #1451**

LOCATION: Elevation: **1440** Quadrangle: **SHINNSTON 7.5'**

District: **MANNINGTON** County: **MARION**  
Latitude: **11,100** Feet South of **39** Deg. **30** Min. **00** Sec.  
Longitude: **9,800** Feet West of **80** Deg. **20** Min. **00** Sec.

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

Agent: **STEPHEN E. HOLLOWAY**

INSPECTOR: **RANDY MICK**  
Permit Issued: **05/23/01**  
Well work commenced: **06/14/01**  
Well Work completed: **06/23/01**  
Verbal Plugging  
Permission granted on:  
Rotary **X** Cable Rig  
Total Depth (feet) **4202'**  
Fresh water depths (ft) **NONE REPORTED**  
Salt water depths (ft) **405, 1475**  
Is coal being mined in area (Y/N)? **NO**  
Coal Depths (ft): **716-730**

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
9-5/8	754	754	C.T.S.
7	1861	1861	C.T.S.
4-1/2		4106	230 Sks.

OPEN FLOW DATA

Producing formation **Balltown, Speechly, 5th, Gordon, 30', 50', Gantz, Injun**  
Pay zone depth (ft) **See Treatment**  
Gas: Initial open flow **47** MCF/d Oil: Initial open flow **NA** Bbl/d  
Final open flow **411** MCF/d Final open flow **NA** Bbl/d  
Time of open flow between initial and final tests **4** Hours  
Static Rock pressure **325** 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: **January 22, 2002**

MAR 01 2002

MAR 13 2002

1st Stage: Balltown, Speechly, (4010-3709) 500 gal 15% HCL,  
20,000# 20/40, 31 mcf N<sub>2</sub>, 280 bbl H<sub>2</sub>O

2nd Stage: Fifth Sand, Gordon (3113-2903) 500 gal 15% HCL,  
20,000# 20/40, 46 mcf N<sub>2</sub>, 357 bbl H<sub>2</sub>O

3rd Stage: 30', 50', Gantz (2761-2606) 500 gal 15% HCL,  
15,000# 20/40, 22 mcf N<sub>2</sub>, 257 bbl H<sub>2</sub>O

4th Stage: Big Injun (2106-2102) 500 gal 15% HCL, 17,000#  
20/40, 35 mcf N<sub>2</sub>, 204 bbl H<sub>2</sub>O

Sand and Shale	0	716	
Coal	716	730	
Sand and Shale	730	1971	
Little Lime	1971	1985	Salt H <sub>2</sub> O @ 405' (damp)
Shale	1985	2005	
Big Lime	2005	2095	Salt H <sub>2</sub> O @ 1475' (damp)
Big Injun	2095	2177	
Sand and Shale	2177	3109	
Fifth Sand	3109	3113	
Shale	3113	3999	
Balltown	3999	4017	
Shale	4017	4202	T. D.