

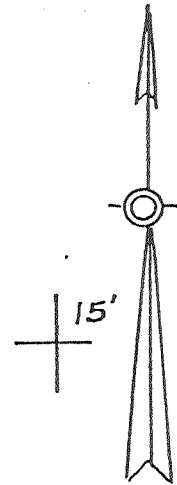
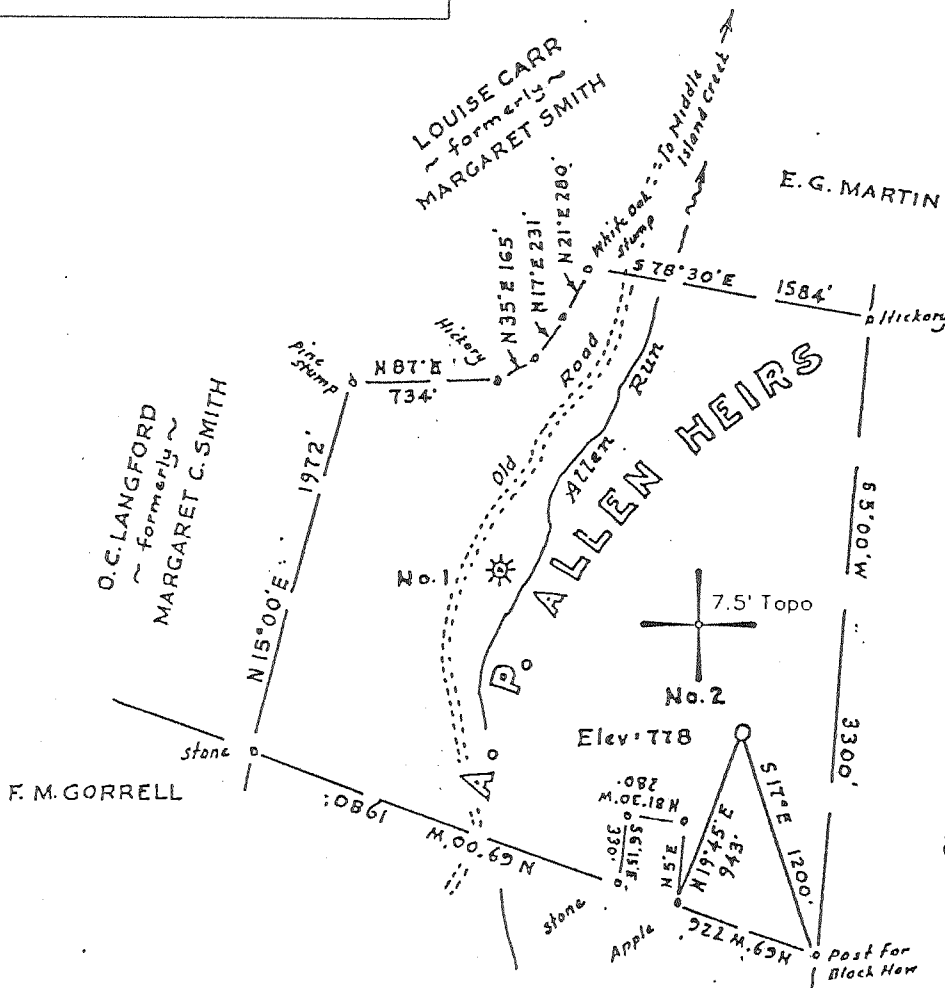
NOTES

- 1 - The survey drawing shown hereon is from the original drilling permit plat dated 4/23/79 by M.S. Hall, Jr., PS. Plat was re-drafted to show updated surface owner name and as-drilled Latitude and Longitude information.
- 2 - Well Latitude and Longitude established by DGPS. (Sub-Meter Mapping Grade) 7/19/03.

LONGITUDE 81° 00' 00"

8,900'

Latitude - 39° 26' 02.0"



LEGEND

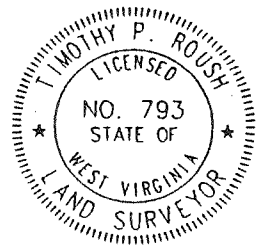
- Plotted from deed calls
- Surveyed Lines
- - - - - Roads
- * Existing Oil & Gas Well
- o Well Location

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

FILE NO. 111-03
 DRAWING NO. _____
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1 in 200
 PROVEN SOURCE OF ELEVATION WVDEP Records
(Original Survey)

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

(SIGNED) [Signature]
 TIMOTHY P. ROUSH PS 793



WEST VIRGINIA
 Division of Environmental Protection
 Office of Oil and Gas
 1356 Hansford St.
 Charleston, West Virginia 25301



DATE July 21, 2003
 FARM A.P. Allen NO. 2
 API WELL NO. 47-073-00759F

WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS") PRODUCTION STORAGE _____ DEEP _____ SHALLOW
 LOCATION: ELEVATION 778' WATERSHED Allen Run
 DISTRICT Union COUNTY Pleasants
 QUADRANGLE Ben's Run 7.5'

SURFACE OWNER Emil & Kathleen Bologa ACREAGE 122 Ac.
 OIL & GAS ROYALTY OWNER Emil & Kathleen Bologa et al. LEASE ACREAGE _____
 LEASE NO. _____

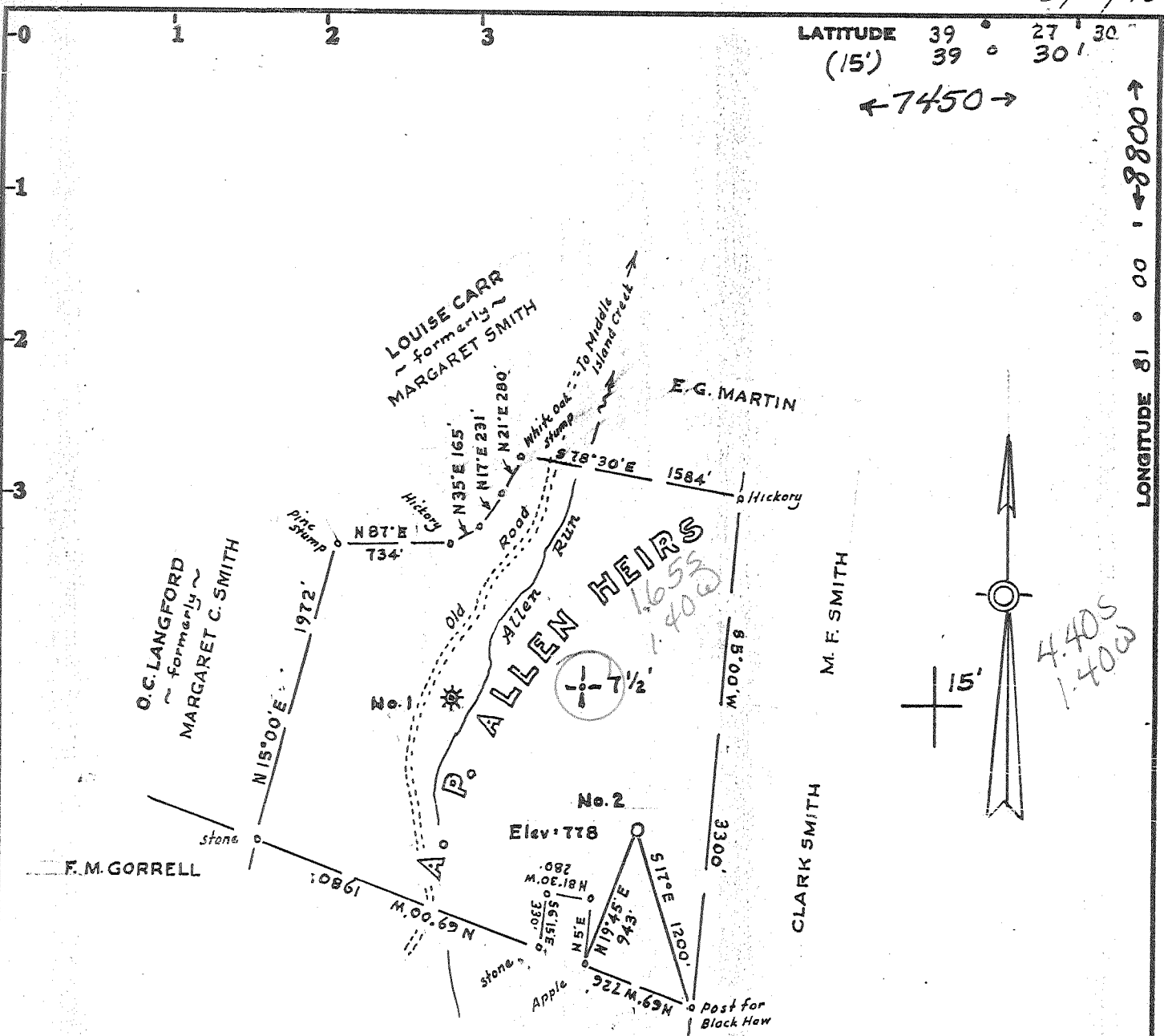
PROPOSED WORK: DRILL _____ CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____
 TARGET FORMATION Big Injun ESTIMATED DEPTH 1,900'
 WELL OPERATOR Triad Resources, Inc. DESIGNATED AGENT Kimberly Arnold
 ADDRESS P.O. Box 430 ADDRESS P.O. Box 154
Reno, OH 45773 Waverly, WV 26184

PLE 0759 F

(Shaded with 90) 6-6

5/9/79



LEGEND

- Plotted from deed calls
- Surveyed Lines
- - - - - Roads
- ★ Existing Oil & Gas Well
- Well Location

OWNERSHIP

Coal - Pleasants County was "Left Out in the Coal"
 Surface:- Emil Baloga, Route 1, Box 147-1, Friendly, W. Va.

Minimum Error of Closure 1 in 200'

Source of Elevation USGS elev at top of knob (shown) = 850'

- Fracture.....
- New Location.....
- Drill Deeper.....
- Abandonment.....

I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia.

Signed: M. H. H. H.
 Squares: N S E W

Map No. _____

Company: Energy Capital Development Co.
 P.O. box 56 - Reno, Ohio 45773
 Address: Surface: Emil Balogna

Farm: A. P. Allen Heirs

Tract: _____ Acres 220 Lease No. _____

Well (Farm) No. TWO Serial No. _____

Elevation (Spirit Level) 778

Quadrangle Bens Run 7 1/2, ST. MARYS

County Pleasants District Union

Engineer: M. H. H. H.

Engineer's Registration No. 1227

File No. _____ Drawing No. _____

Date April 23, 1979 Scale 1" = 1000'

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON

WELL LOCATION MAP

FILE NO. 47-073-0759-Frac.

+ Denotes location of well on United States Topographic Maps, scale 1 to 24,000 to 62,500, latitude and longitude lines being represented by border lines as shown.

— Denotes one inch spaces on border line of original tracing.

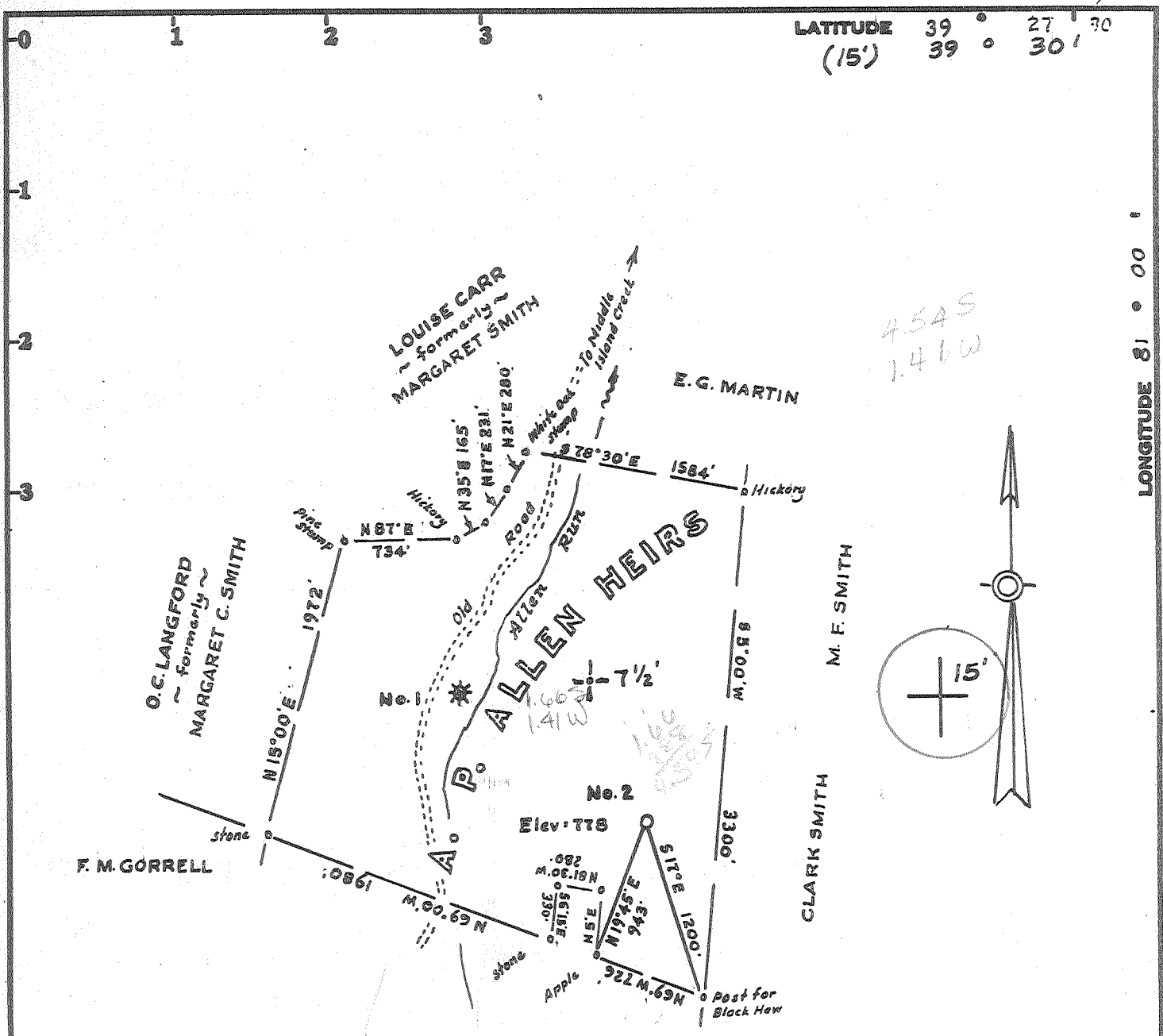
DEC 15 1980

47-073

6-6 Shiloh-Wick(86) 3200 Gordon

LATITUDE 39° 27' 30" (15') 39° 30'

LONGITUDE 81° 00'



LEGEND

- Plotted from deed calls
- Surveyed Lines
- - - Roads
- * Existing Oil & Gas Well
- o Well Location

OWNERSHIP

Coal - Pleasants County was "Left Out in the Coal"
 Surface:- Emil Bologo, Route 1, Box 147-1, Friendly, W.Va.

Minimum Error of Closure 1 in 200'

Source of Elevation USGS elev at top of knob (shown) = 850'

- Fracture.....
- New Location.....
- Drill Deeper.....
- Abandonment.....

I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia.

Signed: M. Holtz
 Squares: N S E W

Map No.

Company LAUDERMAN OIL & GAS CO.
 Address P.O. Box 266, Paden City, West Va.
 Farm A. P. Allen Heirs
 Tract _____ Acres 220 Lease No. _____
 Well (Farm) No. TWO Serial No. _____
 Elevation (Spirit Level) 778
 Quadrangle Bens Run 7 1/2, ST. MARKS
 County Pleasants District Union
 Engineer M. Holtz
 Engineer's Registration No. 1227
 File No. _____ Drawing No. _____
 Date April 23, 1979 Scale 1" = 1000'

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON

WELL LOCATION MAP
 FILE NO. 47-073-0759

+ Denotes location of well on United States Topographic Maps, scale 1 to ^{24,000}/_{62,500}, latitude and longitude lines being represented by border lines as shown.
 — Denotes one inch spaces on border line of original tracing.

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

Handwritten initials

Well Operator's Report of Well Work

Farm name: A.P. ALLEN Operator Well No.: 2

LOCATION: Elevation: 778' Quadrangle: BENS RUN

District: UNIDN County: PLEASANTS
Latitude: 8,900 Feet South of 39 Deg. 27 Min. 30 Sec.
Longitude 7,500 Feet West of 81 Deg. 00 Min. 00 Sec.

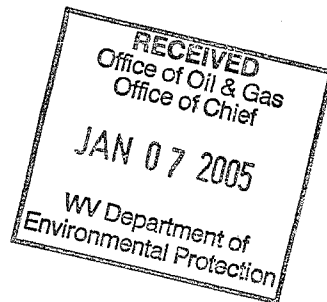
Company: TRIAD RESOURCES, INC.

	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Address: <u>P.O. BOX 430</u> <u>RENO, OHIO 45773</u>				
Agent: <u>KIMBERLY ARNOLD</u>				
Inspector: <u>LARRY PARRISH</u>	<u>8 5/8"</u>	<u>254'</u>	<u>254'</u>	<u>C.T.S.</u>
Date Permit Issued: <u>3/29/04</u>				
Date Well Work Commenced: <u>6/10/04</u>	<u>4 1/2"</u>	<u>2690'</u>	<u>2690'</u>	<u>I.O.C. @</u>
Date Well Work Completed: <u>8/4/04</u>				<u>770' (BOND LOG)</u>
Verbal Plugging:				
Date Permission granted on:	<u>2"</u>		<u>2620'</u>	
Rotary Cable Rig <u>X</u>				
Total Depth (feet): <u>2690</u>				
Fresh Water Depth (ft.): <u>NA</u>				
Salt Water Depth (ft.): <u>NA</u>				
Is coal being mined in area (N/Y)? <u>N</u>				
Coal Depths (ft.): <u>NA</u>				

OPEN FLOW DATA

Producing formation BIG INJUN Pay zone depth (ft) 1690-1712'
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow 10 MCF/d Final open flow 2 Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock Pressure 200 psig (surface pressure) after 72 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.

Signed: Rocky Roberts
By: ROCKY ROBERTS
Date: 1/4/05

PLE 6759 F

PERFORATIONS

BIG INJUN SAND : 1690' - 1696' 24 SHOTS 0.39" HSC
1702' - 1712' 40 SHOTS 0.39" HSC

BRIDGE PLUG SET AT 1845'. REMOVED AFTER WELL WAS FRACTURED.

FRACTURE TREATMENT

2600 GALLONS 15% HCl
575 BARRELS TREATED FRESH WATER
23,700 POUNDS 20/40 SAND
420,000 SCF NITROGEN

BREAKDOWN PRESSURE : 2300 PSIG

AVG. TREATING PRESSURE : 2168 PSIG

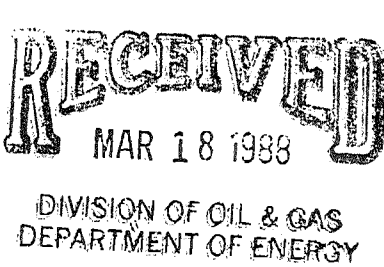
AVG. RATE : 18 BPM

ISIP : 2125 PSIG

5-MIN SIP : 1908 PSIG

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

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Soil		Soft	0	20	
Shale	Red	"	20	35	
Lime	Gray	"	35	160	
Slate	Gray	"	100	155	
Shale	Black	"	155	170	
Lime	Gray	Soft	170	200	
Sand	White	"	200	250	
Slate	Gray	"	250	320	
Lime	Gray	"	320	410	
Rock	Red	"	410	440	
Sand	White	"	440	465	
Rock	Red	"	465	485	
Lime	Gray	"	485	565	
Rock	Red	"	565	600	
Sand	White	Soft	600	650	
Slate	Gray	Soft	650	660	
Rock	Red	"	660	680	
Slate	Red	"	680	700	
Rock	Red	"	700	725	
Slate	Black	"	725	800	
Rock	Red	"	800	820	
Slate	Black	"	820	910	
Shell	Gray	"	910	1000	
Salt sand I			1000	1060	
Sand	White	Soft	1060	1125	
Shale	Black	"	1125	1135	
Salt sand I			1135	1155	
Salt sand I			1155	1235	
Slate	Gray	"	1235	1280	
Slate	Black	Hard	1280	1340	
Slate	Gray	Hard	1340	1350	
Sandy Shale	Brown	Hard	1350	1395	
			1395	1425	

(Attach separate sheets as necessary) over →

Energy Capital Development Corp.
Well Operator

By: Delma Williams

Date: 3-12-88

Note: Regulation 2.02(i) provides as follows:
"The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including coal, encountered in the drilling of a well."

MAR 25 1988

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

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Maxon	Sand		1425	1450	
Big lime			1450	1500	
Slate	Black		1500	1510	
Keener Sand			1510	1525	
Big Injun			1525	1570	
Shell	Gray		1570	1650	
Shell	Blue	Hard	1680	1810	
Shell	Gray	Hard	1810	1925	
Shell	Blue		1925	2120	
Weir	sand	soft	2120	2140	
Shell	Gray		2140	2280	
Shell	Blue	Soft	2280	2400	
Shell	Gr	Soft	2400	2480	
lime	Gray	Soft	2480	2550	
Sand	Shell	Soft	2550	2605	
Gordur	Sand	Soft	2605	2620	
Shale	Gray	Soft	2620	2695	

RECEIVED
MAR 18 1988

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

(Attach separate sheets as necessary)

Energy Capital Development Corp.

Well Operator

By: Debra J. Wilson

Date: 3-12-88

Note: Regulation 2.02(i) provides as follows:

"The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including



RECEIVED

OCT 30 1979

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
Oil and Gas Division
WELL RECORD

OIL & GAS DIVISION
DEPT. OF MINES

Quadrangle Bena Run

Permit No. 47-0730-159

Rotary X Oil X
Cable _____ Gas _____
Recycling _____ Comb. _____
Water Flood _____ Storage _____
Disposal Open Fit
(Kind)

Company <u>Lauderman Oil & Gas Drilling</u>	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Address <u>311 E. 4th Avenue Paden City, W. Va.</u>				
Farm <u>A/P. Allen</u> Acres <u>220</u>	Size			
Location (waters) <u>Allen Run & Middle Island</u>	20-16			
Well No. <u>2</u> Elev. <u>778</u>	Cond.			
District <u>Union</u> County <u>Pleasants</u>	13-10"			
The surface of tract is owned in fee by <u>Elma Bologna</u>	9 5/8			
Address _____	8 5/8	254	254	
Mineral rights are owned by <u>A.P. Allen heirs</u>	7			
Address _____	5 1/2			
Drilling Commenced <u>7/6/79</u>	4 1/2	254	2000	
Drilling Completed <u>7/11/79</u>	3			
Initial open flow <u>Show</u> cu. ft. <u>Show</u> bbls.	2 tubing	2590	2590	
Final production <u>1.5MMCF*</u> cu. ft. per day <u>10</u> bbls.	Liners Used			
Well open _____ hrs. before test _____ RP.				

Well treatment details:

Attach copy of cementing record.

Fractured Keil Trac - 1800BBLs Water 65000 & Sand

Coal was encountered at <u>No Coal</u> Feet <u>No Coal</u> Inches _____
Fresh water <u>80</u> Feet <u>100</u> Salt Water <u>1450</u> Feet <u>1500</u>
Producing Sand <u>Gordon</u> Depth <u>2500</u>

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Soil		Soft	0	20		
Shale	Red	"	20	35		
Lime	Gray	"	35	100		
Slate	Gray	"	100	155		
Shale	Black	"	155	170		
Lime	Gray	Soft	170	200		
Sand	White	"	200	250		
Slate	Gray	"	250	380		
Lime	Gray	"	380	410		
Rock	Red	"	410	440		
Sand	White	"	440	485		
Rock	Red	"	485	565		
Lime	Gray	soft	565	600		
Rock	Red	Soft	600	650		
Sand	White	Soft	650	660		
Slate	Gray	Soft	660	680		
Rock	Red	Soft	680	700		
Slate	Red	Soft	700	725		
Rock	Red	Soft	725	800		
Slate	Black	Soft	800	820		
Rock	Red	Soft	820	910		
Slate	Blue	Soft	910	1000		
Shell	Gray	Soft	1000	1060		
Salt Sand I			1060	1125		

(over)

* Indicates Electric Log tops in the remarks section.

NOV 14 1979

Formation	Color	Hard or Soft	Top Feet 12	Bottom Feet	Oil, Gas or Water	Remarks
Sand	White	Soft	1125	1135		
Shale	Black	"	1135	1155		
Salt Sand I			1155	1235		
Salt Sand II			1235	1290		
Shale	Gray		1290	1340		
Shale	Black	Hard	1340	1350		
Shell	Gray	"	1350	1395		
Sandy Shell	Brown	Hard	1395	1425		
Maxon Sand			1425	1450		
Big Lime			1450	1500		
Shale	Black		1500	1510		
Keener Sand			1510	1525		
Big Injan			1525	1570		
Shell	Gray		1570	1680		
Shell	Blue	"	1680	1810		
Shell	Gray	"	1810	1935		
Shell	Blue		1935	2120		
Wair Sand		Soft	2120	2140		
Shell	Gray		2140	2230		
Shell	Blue	Soft	2230	2400		
Shell	Gray	Soft	2400	2480		
Lime	Gray	Soft	2480	2550		
Sand	Shell	"	2550	2605		
Jordon Sand		"	2605	2620		
Shell	Gray	Soft	2620	2695		

2695
 1570
 1125 EXPL FT

Date 12-15-79, 19__

APPROVED Shelly M. Jager Owner

By And. Gust
(Title)



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

759
MAY - 9 1979

Oil and Gas Division
OIL AND GAS WELL PERMIT APPLICATION

OIL & GAS DIVISION
DEPT. OF MINES

TO THE DEPARTMENT OF MINES,
Charleston, W. Va.

DATE May 3, 1979

Surface Owner A.P. Allen Heirs
Address 101 37th St. Vienna, W. Va.
Mineral Owner A.P. Allen Heirs
Address 101 37th St. Vienna, W. Va.
Coal Owner No coal--Pleasants County
Address left out of coal
Coal Operator _____
Address _____

Company Lauderman Oil & Gas Drilling
Address P.O. Box 266, Paden City, W. Va.
Farm A.P. Allen Acres 220
Location (waters) Middle Island Creek
Well No. TWO Elevation 778
District Union County Pleasants
Quadrangle Bens Run 7 1/2

THIS PERMIT MUST BE POSTED AT THE WELL SITE

If provisions being in accordance with Chapter 22,
of the W. Va. Code, the location is hereby approved
for drilling. This permit shall expire if
operations have not commenced by 1-23-80

INSPECT
TO BE BY Mr. Phillip Tracy
ADDRESS: 173 Dodd St.
Middlebourne, WV 26149
PHONE Ph: 758-4573

Robert J. Allen
Deputy Director - Oil & Gas Division

GENTLEMEN:

The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee title thereto, (or as the case may be) under grant or lease dated February 6, 1925 by A.P. Allen & M.L. Allen made to P.H. Gaffney and recorded on the 6th day of February 1925, Pleasants County, Book 24 Page 263

NEW WELL DRILL DEEPER REDRILL FRACTURE OR STIMULATE
OIL AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1969.

The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operators have been notified as of the above date.

The above named coal owners and/or operator are hereby notified that any objection they wish to make, or are required to make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days *

Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operators or coal owners at their above shown respective address 4th day May before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL
GEOPHYSICAL LOGS DIRECTLY TO:

WEST VIRGINIA GEOLOGICAL AND
ECONOMIC SURVEY
P. O. BOX 879
MORGANTOWN, WEST VIRGINIA 26505
AC-304 - 292-6331

Address
of
Well Operator

Very truly yours, LAUDERMAN OIL & GAS DRILLING
(Sign Name) Phillip Tracy
Well Operator
311 South 4th Avenue
Street
Paden City
City or Town
West Virginia 26159
State

*SECTION 3... If no objections are filed or found by the Department of mines, within said period of ten days from the receipt of notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit reciting the filing of such plat, that no objections have been made by the coal operators or found thereto by the department and that the same is approved and the well operator authorized to proceed.

BLANKET BOND

47-073-0759

PERMIT NUMBER

"I have read and understand the reclamation requirements as set forth in Chapter 22, Article 4, Section 12-b and will carry out the specified requirements."

Signed by _____

Swain

THIS IS AN ESTIMATE ONLY
ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION

PROPOSED WORK ORDER TO DRILL _____ DEEPEN _____ FRACTURE STIMULATE _____
 DRILLING CONTRACTOR: (If Known) _____ RESPONSIBLE AGENT: _____
 NAME Johnson Drilling NAME Ernest Herhold
 ADDRESS Rt. 6 Smith Dr., Marietta, Ohio ADDRESS P.O. Box 266 Paden City, W. Va.
 TELEPHONE 614-373-0877 45750 TELEPHONE (304) 657-2701
 ESTIMATED DEPTH OF COMPLETED WELL: 3200 ROTARY CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Gordon & Ohio Shales
 TYPE OF WELL: OIL _____ GAS _____ COMB. STORAGE _____ DISPOSAL _____
 RECYCLING _____ WATER FLOOD _____ OTHER _____

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.
20 - 16			
13 - 10			
9 - 5/8	900'	3 5/8	
8 - 5/8			
7			
5 1/2	4 1/2 Cased thru payzone		
4 1/2			Perf. Top
3			Perf. Bottom
2			Perf. Top
Lines			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 60 FEET SALT WATER 1700 FEET
 APPROXIMATE COAL DEPTHS 420 (No coal in Pleasants County - left out)
 IS COAL BEING MINED IN THE AREA? No BY WHOM? _____

TO DRILL:
 SUBMIT FIVE (5) COPIES OF OG - 1, \$100.00 PERMIT FEE, PERFORMANCE BOND AND PERMANENT COPY OF PLAT.

TO DRILL DEEPER OR REDRILL:
 SUBMIT FIVE (5) COPIES OF OG - 1, SHOWING ORIGINAL PERMIT NUMBER AND PERFORMANCE BOND. ON WELLS DRILLED PRIOR TO 1929, A PERMANENT COPY OF THE PLAT AND THE ORIGINAL WELL RECORD MUST ALSO BE SUBMITTED.

TO FRACTURE - STIMULATE:
 OIL AND/OR GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1929, FIVE (5) COPIES OG - 1, PERFORMANCE BOND, PERMANENT PLAT AND ORIGINAL WELL RECORD.
 OIL AND/OR GAS WELL ORIGINALLY DRILLED ON AND/OR AFTER JUNE 5, 1929, FIVE COPIES OG - 1, SHOWING ORIGINAL PERMIT NUMBER, AND PERFORMANCE BOND.
 Required forms must be filed within ninety (90) days of completion for bond release. Inspector to be notified twenty-four (24) hours in advance.

The following waiver must be completed by the coal operator if the permit is to be issued within ten days of receipt thereof.

WAIVER: I the undersigned, Agent for _____ Coal Company, Owner or Operator of the coal under this lease have examined and place on our mine maps this proposed well location.
 We the _____ Coal Company have no objections to said well being drilled at this location, providing operator has complied with all rules and regulations in Articles 4, 5, and 7, Chapter 22 of the West Virginia Code.

 For Coal Company

 Official Title

