

Minimum Error of Closure 1 in 200

Source of Elevation Elevation Well No. 1 = 1132

- 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: [Signature]

Squares: N S E W

Map No.

Company Arios Petroleum Corp.

Address P.O. Box 910, Clarksburg, W.V. 26301

Farm Tacoma Richards

Tract \_\_\_\_\_ Acres 100 Lease No. \_\_\_\_\_

Well (Farm) No. Tacoma Farm One Serial No. \_\_\_\_\_

Elevation (Spirit Level) 1140

Quadrangle Centerpoint

County Doddridge District Grant

Engineer [Signature]

Engineer's Registration No. 1227

File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_

Date Dec. 14, 1972 Scale 1" = 500'

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

WELL LOCATION MAP

FILE NO. Dodd-1723

Re Dodd as: Dodd-1745

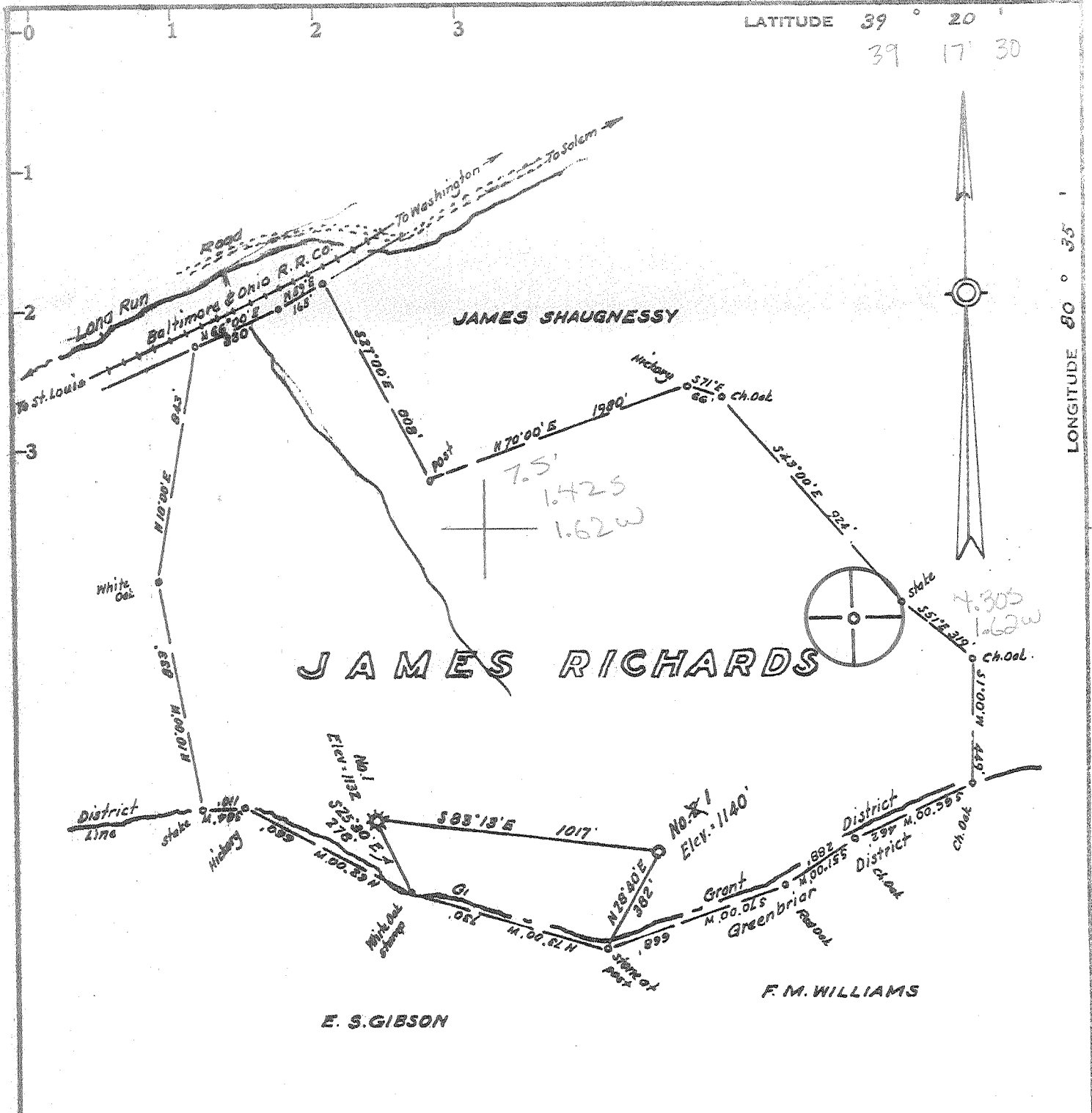
+ Denotes location of well on United States **FRAC** Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

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

FEB 14 1984

47 017

0WVO-6-0 Salem (102)



Minimum Error of Closure 1 in 200'

Source of Elevation Elevation Well No. 1 - 1132

- Fracture.....
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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: [Signature]  
Squares: N S E W

Map No.

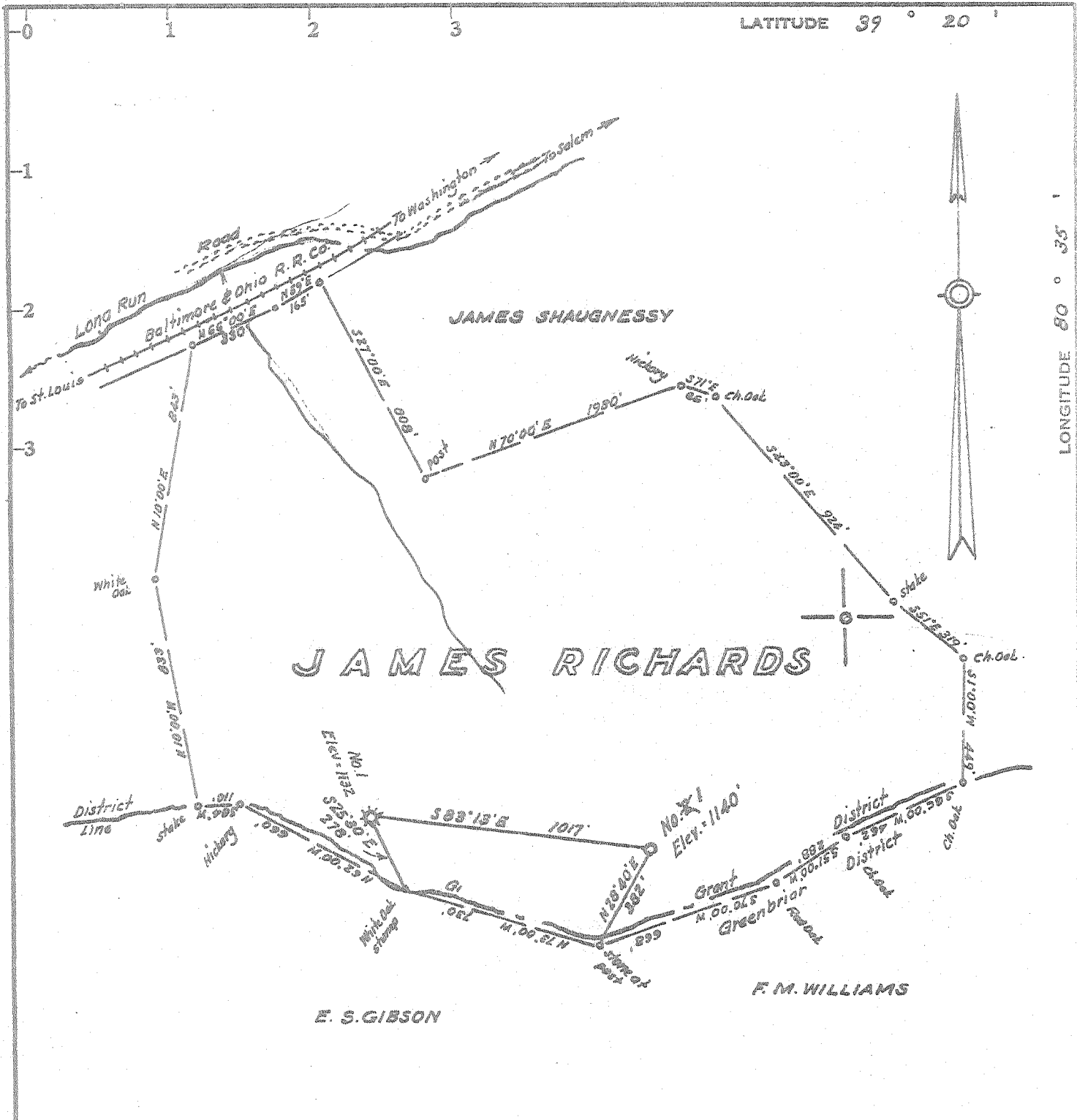
Company TACOMA MINES  
 Address Suite 309 May-Ex Bldg., Oklahoma City, Okla.  
 Farm Tacoma-Richards  
 Tract \_\_\_\_\_ Acres 1.00 Lease No. \_\_\_\_\_  
 Well (Farm) No. Tacoma Farm One Serial No. \_\_\_\_\_  
 Elevation (Spirit Level) 1140 Salem  
 Quadrangle Centerpoint BC  
 County Doddridge District Grant  
 Engineer [Signature]  
 Engineer's Registration No. 1227  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date Dec. 14, 1972 Scale 1" = 500'

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

WELL LOCATION MAP

FILE NO. Dodd-1723

Re David A. Dodd - 1945  
 + Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.  
 - Denotes one inch spaces on border line of original tracing.  
47 017



Minimum Error of Closure 1 in 200'  
 Source of Elevation Elevation Well No. 1 - 1140'

- 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: *Walter J. [Signature]*  
 Squares: N S E W

Company TACOMA MINES  
 Address Suite 309 May-Ex Bldg, Oklahoma City, Okla.  
 Farm Tacoma-Richards  
 Tract \_\_\_\_\_ Acres 100 Lease No. \_\_\_\_\_  
 Well (Farm) No. Tacoma Farm One Serial No. \_\_\_\_\_  
 Elevation (Spirit Level) 1140  
 Quadrangle Centerpoint SC1  
 County Doddridge District Grant  
 Engineer *Walter J. [Signature]*  
 Engineer's Registration No. 1227  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date Dec. 14, 1972 Scale 1" = 500'

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

**WELL LOCATION MAP**

FILE NO. Dodd - 1723  
 Reissued as 1745 Frac

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

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



WR-35

State of West Virginia

DEPARTMENT OF ENERGY
Oil and Gas Division

Date
Operator's
Well No. Tecoma-Richards #1
Farm C. E. Plauger
API No. 47 - 017 - 1745-FRAC

WELL OPERATOR'S REPORT
OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil / Gas XX/ Liquid Injection / Waste Disposal /
(If "Gas," Production XX/ Underground Storage / Deep / Shallow XX /)

LOCATION: Elevation: 1198.75' Watershed Long Run
District: Grant County Doddridge Quadrangle Salem 7.5'

COMPANY Aires Petroleum Corporation
ADDRESS P.O. Box 910 - Clarksburg, WVa. 26301
DESIGNATED AGENT Mr. J.G. Rhodes, Jr.
ADDRESS Same
SURFACE OWNER C. E. Plauger
ADDRESS Rt. 2, Salem, WVa. 26426
MINERAL RIGHTS OWNER Leggett Heirs
ADDRESS
OIL AND GAS INSPECTOR FOR THIS WORK Mike

Underwood ADDRESS Salem, WVa.

PERMIT ISSUED February 10, 1984

DRILLING COMMENCED 5-24-84

DRILLING COMPLETED 5-24-84

IF APPLICABLE: PLUGGING OF DRY HOLE ON
CONTINUOUS PROGRESSION FROM DRILLING OR
REWORKING. VERBAL PERMISSION OBTAINED
ON

Table with 4 columns: Casing & Tubing, Used in Drilling, Left in Well, Cement fill up Cu. ft. Rows include sizes like 20-16 Cond., 13-10", 9 5/8, 8 5/8 (922'), 7, 5 1/2, 4 1/2 (2380'), 3, 2, and Liners used.

GEOLOGICAL TARGET FORMATION Big Injun Depth 2415' feet

Depth of completed well 2415' feet Rotary / Cable Tools

Water strata depth: Fresh feet; Salt feet

Coal seam depths: Is coal being mined in the area?

OPEN FLOW DATA

Producing formation Big Injun Pay zone depth 2342' feet

Gas: Initial open flow 0 Mcf/d Oil: Initial open flow 0 Bbl/d

Final open flow 0 Mcf/d Final open flow 0 Bbl/d

Time of open flow between initial and final tests 24 hours

Static rock pressure 90# psig (surface measurement) after 48 hours shut in

(If applicable due to multiple completion--)

Second producing formation Pay zone depth feet

Gas: Initial open flow Mcf/d Oil: Initial open flow Bbl/d

Final open flow Mcf/d Oil: Final open flow Bbl/d

Time of open flow between initial and final tests hours

Static rock pressure psig (surface measurement) after hours shut in

SERVICE COMPANY: Allegheny Nuclear Surveys  
FORMATION: Big Injun

DATE: 05-24-84  
CASING SIZE: 4 1/2"

FROM	TO	NO. HOLES	SIZE
2321	2342	9	0.39

**RECEIVED**  
FEB 13 1987

**COMPLETION DATA**

SERVICE COMPANY: Halliburton Services

DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

DATE: 05-24-84

TREATMENT: Waterfrac with Nitrogen Assist

GEL SYSTEM: 25#

AMT. SAND: 34,000 lbs. 20/40

AVERAGE CONCENTRATION: 2.5 lbs./Gal

SPEARHEAD: 500 Gal MOD 202 Acid

BARRELS OF SAND LADEN FLUID: 385 BBLs

FLUSH: 45 BBLs

ADDITIVES: 82 lbs. WAC-9; 420 lbs. WG-12; 12 lbs. GBW-3; 10 gal.  
Paracheck-160; 44 gal. 15-N; 22 gal. AQF-1; 130 lbs.  
Ferechek; 65 lbs. BA-2; 22 gal. Clasta; 67,000 SCF  
Nitrogen

BREAKDOWN PRESSURE: 2200 psi

AVERAGE TREATMENT PRESSURE: 2519 psi

INSTANT SHUT IN PRESSURE: 1900 psi

5 MINUTE PRESSURE: 1300 psi

AVERAGE INJECTION RATE: 16.2 B.F.M

HORSEPOWER USED: 1000 H. HP.

K.L. POTE & ASSOCIATES, INC.  
GEOLOGICAL and PETROLEUM CONSULTANTS  
CLARKSBURG, WEST VIRGINIA

Dom Rye Grass 10 lbs/acre

Dom Rye Grass 10 lbs/acre

\*Inoculate all legumes such as vetch, trefoil and clovers with the proper bacterium.  
Inoculate with 3X recommended amount.

\*Lime according to pH Test.

PLAN PREPARED BY K. L. POTE & ASSOCIATES, INC.

NOTES: Please request landowner's  
cooperation to protect well  
cedding for one growing season.  
Attach separate sheets as  
necessary for comments.

ADDRESS 609 West Main Street

Clarksburg, WV 26301

PHONE NO. 304-624-9700, 842-3325

*ARIES PETROLEUM CORPORATION*  
Well Operator

By: *[Signature]*

Date: Feb 5, 1987

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  
and encountered in the drilling of a well."



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

RECEIVED

DEC 29 1972

OIL & GAS DIVISION  
DEPT. OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

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

DATE 18 December 1972

Surface Owner Ernest Plauger

Company Tecoma Mines

Address Salem, W.Va.

Address Oklahoma City, Oklahoma.

Mineral Owner J.E. Webber et al

Farm Richards Acres 100

Address Margansville, W.Va.

Location (waters) Buffalo Calif Fork

Coal Owner Mountaineer Coal Co.

Well No. Tecoma #1 Elevation 1140'

Address Monongah W.Va.

District Greenbrier County Doddridge

Coal Operator Same

Quadrangle Centerpoint

Address \_\_\_\_\_

THIS PERMIT MUST BE POSTED AT THE WELL SITE  
All 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 5-2-73

INSPECTOR TO BE NOTIFIED

Box 1857  
Coal Run  
W. Va. 26566

PHS

m. um.  
Blasie  
Fairmont  
3639105

Robert H. Bell  
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 \_\_\_\_\_ 19\_\_\_\_ by \_\_\_\_\_ J.E. Webber made to Tecoma Mines and recorded on the \_\_\_\_\_ day of \_\_\_\_\_ 19\_\_\_\_, in \_\_\_\_\_ County, Book \_\_\_\_\_ Page \_\_\_\_\_

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 \_\_\_\_\_ day \_\_\_\_\_ before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

Very truly yours, Tecoma Mines  
(Sign Name) Robert F. Handberg, Vice President  
Well Operator

Address  
of  
Well Operator

3022 NW Expressway  
Street  
Oklahoma City  
City or Town  
Oklahoma 73112  
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.

BOND DRILL

Odd-1723 PERMIT NUMBER

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

PROPOSED WORK ORDER TO X DRILL \_\_\_\_\_ DEEPEN \_\_\_\_\_ FRACTURE-STIMULATE \_\_\_\_\_  
 DRILLING CONTRACTOR: (If Known) \_\_\_\_\_ RESPONSIBLE AGENT: \_\_\_\_\_  
 NAME Haught \_\_\_\_\_ NAME Robert F. Hardebeck \_\_\_\_\_  
 ADDRESS Smithville W. Va. \_\_\_\_\_ ADDRESS Clarksburg, W. Va. \_\_\_\_\_  
 TELEPHONE 477-2222 \_\_\_\_\_ TELEPHONE 623-5595 \_\_\_\_\_  
 ESTIMATED DEPTH OF COMPLETED WELL: 2400 \_\_\_\_\_ ROTARY X CABLE TOOLS \_\_\_\_\_  
 PROPOSED GEOLOGICAL FORMATION: Big Injun \_\_\_\_\_  
 TYPE OF WELL: OIL \_\_\_\_\_ GAS \_\_\_\_\_ COMB. X 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	20	20	
13 - 10			
9 - 5/8			
8 - 5/8	970	970	<del>60</del> sx to surface
7			
5 1/2			
4 1/2		2400	100 sx
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 60 FEET \_\_\_\_\_ SALT WATER \_\_\_\_\_ FEET \_\_\_\_\_  
 APPROXIMATE COAL DEPTHS 910 \_\_\_\_\_, \_\_\_\_\_  
 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



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

RECEIVED

DEC 29 1972  
172/73 CEN  
OIL & GAS DIVISION  
DEPT. OF MINES

July 16, 1973

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

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

DATE 16 December 1972  
Company Tecoma Mines  
Address Oklahoma City, Oklahoma.  
Farm Richards Acres 100  
Location (waters) Buffalo Calf Fork  
Well No. Tecoma #1 Elevation 1140'  
District Greenbrier County Doddridge  
Quadrangle Centerpoint

Surface Owner Ernest Plauger  
Address Salem, W.Va.  
Mineral Owner J.E. Webber et al  
Address Margansville, W.Va.  
Coal Owner Mountaineer Coal Co.  
Address Monongah W.Va.  
Coal Operator Same  
Address \_\_\_\_\_

*M. Wm.*

FOR TO BE NOTIFIED Blauser  
Box 1857 PH: Fairmont  
Chefay, W.Va. 363-9105  
26566

THIS PERMIT MUST BE POSTED AT THE WELL SITE  
All 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 5-2-73.  
Robert S. [Signature] 11-16-73  
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 \_\_\_\_\_ 19\_\_\_\_ by \_\_\_\_\_ J.E. Webber made to Tecoma Mines and recorded on the \_\_\_\_\_ day of \_\_\_\_\_ 19\_\_\_\_, in \_\_\_\_\_ County, Book \_\_\_\_\_ Page \_\_\_\_\_  
 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 \_\_\_\_\_ day \_\_\_\_\_ before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

Very truly yours, Tecoma Mines  
(Sign Name) Robert S. [Signature] Well Operator

Address 3022 NW Expressway  
of Street  
Well Operator Oklahoma City  
City or Town  
Oklahoma 73112  
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.

Dodd-1723 PERMIT NUMBER

Re: Issued as: DOD - 1745



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

PROPOSED WORK ORDER TO X DRILL \_\_\_\_\_ DEEPEN \_\_\_\_\_ FRACTURE-STIMULATE \_\_\_\_\_  
 DRILLING CONTRACTOR: (If Known) \_\_\_\_\_ RESPONSIBLE AGENT: \_\_\_\_\_  
 NAME Haught \_\_\_\_\_ NAME Robert F. Hardebeck \_\_\_\_\_  
 ADDRESS Smithville W. Va. \_\_\_\_\_ ADDRESS Clarksburg, W. Va. \_\_\_\_\_  
 TELEPHONE 477-2222 \_\_\_\_\_ TELEPHONE 623-5595 \_\_\_\_\_  
 ESTIMATED DEPTH OF COMPLETED WELL: 2400 \_\_\_\_\_ ROTARY X CABLE TOOLS \_\_\_\_\_  
 PROPOSED GEOLOGICAL FORMATION: Big Injun \_\_\_\_\_  
 TYPE OF WELL: OIL \_\_\_\_\_ GAS \_\_\_\_\_ COMB. X STORAGE \_\_\_\_\_ DISPOSAL \_\_\_\_\_  
 RECYCLING \_\_\_\_\_ WATER FLOOD \_\_\_\_\_ OTHER \_\_\_\_\_

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LIFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.
20 - 16	20	20	
13 - 10			
9 - 5/8			
8 - 5/8	970	970	80 sx to surface
7			
5 1/2			
4 1/2		2400	100 sx
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 60 FEET \_\_\_\_\_ SALT WATER \_\_\_\_\_ FEET \_\_\_\_\_  
 APPROXIMATE COAL DEPTHS 910 \_\_\_\_\_  
 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.

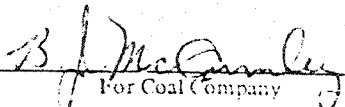
OIL AND/OR GAS WELL ORIGINALLY DRILLED ON AND/OR AFTER JUNE 5, 1929, FIVE COPIES OG - 1, SHOWING ORIGINAL PERMIT NUMBER, AND PERFORMANCE BOND.

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 Consolidation 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 Consolidation 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  
 Mining Engineer  
 Official Title



1) Date: December 23, 1983  
 2) Operator's Well No. Tecoma-Richards #1  
 3) API Well No. 47 - 017 - 1745 - FRAC  
 State County Permit

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

APPLICATION FOR A WELL WORK PERMIT

- 4) WELL TYPE: A Oil        / Gas XX /  
 B (If "Gas", Production XX / Underground storage        / Deep        / Shallow XX /)
- 5) LOCATION: Elevation: 1198.75' Watershed: Long Run  
 District: Grant County: Doddridge Quadrangle: Salem 7.5'
- 6) WELL OPERATOR Aries Petroleum Corporation 7) DESIGNATED AGENT Mr. J. G. Rhodes, Jr.  
 Address P.O. Box 910 Address P.O. Box 910  
Clarksburg, WV 26301 Clarksburg, WV 26301
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:  
 Name ~~Steven Casey~~ Mike Underwood Name Unknown  
 Address ~~Rt. 2, Box 232, Rt. 2 Box 114~~ Jane Lew, WV 26378 Salem, WV 26426 Address
- 10) PROPOSED WELL WORK: Drill        / Drill deeper        / Redrill        / Stimulate XX /  
 Plug off old formation        / Perforate new formation        /  
 Other physical change in well (specify)
- 11) GEOLOGICAL TARGET FORMATION, Big Injun
- 12) Estimated depth of completed well, 2415 feet
- 13) Approximate strata depths: Fresh, 60-440 feet; salt,        feet.
- 14) Approximate coal seam depths: 225 440-477 coal being mined in the area? Yes
- 15) CASING AND TUBING PROGRAM 887-889

RECEIVED  
 JAN 11 1984  
 OIL AND GAS DIVISION  
 DEPT. OF MINES

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		
Conductor	11 3/4"					*	0'		Kinds
Fresh water									
Coal									Sizes
Intermediate	8 5/8"					922'	922'	* 260 S	Depths set
Production	4 1/2"						2380'	* 100 S	
Tubing									
Liners									Perforations:
									Top Bottom

\* Note: Well completed by previous operator in July, 1973, no records available.

OFFICE USE ONLY  
DRILLING PERMIT

Permit number 47-017-1745-FRAC

February 10, 19 84  
Date

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. Notification must be given to the District Oil and Gas Inspector, (Refer to No. 8) Prior to the construction of roads, locations and pits for any permitted work. In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

The permitted work is as described in the Notice and Application, plat, and reclamation plan, subject to any modifications and conditions specified on the reverse hereof.

Permit expires February 10, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <b>BLANKET</b>	Agent: <u>LS</u>	Plat: <u>1.9</u>	Casing: <u>1.5</u>	Fee: <u>2948</u>
-------------------------	---------------------	---------------------	-----------------------	---------------------

T. Rhodes  
 Administrator, Office of Oil and Gas

NOTE: Keep one copy of this permit posted at the drilling location.