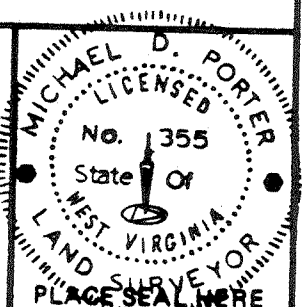


FILE NO. 81-06
 DRAWING NO. 6A
 SCALE 1" = 100'
 MINIMUM DEGREE OF ACCURACY 1:2000
 PROVEN SOURCE OF ELEVATION NGS-BM X-117 SET IN FLOODWALL ABUT. AT ROBY RD.

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) Michael D. Porter
 R.P.E. _____ L.L.S. 355



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-6 (8-78)



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

DATE 16 October, 1981
 OPERATOR'S WELL NO. 1
 API WELL NO. 47-011-0699
 STATE COUNTY PERMIT

WELL TYPE: OIL GAS X LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS,") PRODUCTION X STORAGE DEEP SHALLOW X
 LOCATION: ELEVATION 553.32 msl WATER SHED GUYANDOTTE RIVER
 DISTRICT GIDEON - CITY OF HUNTINGTON COUNTY CABELL
 QUADRANGLE HUNTINGTON, OHIO-WVA 7 1/2' Guyardot 15'c
 SURFACE OWNER J. BERNARD POINDEXTER, JR. ACREAGE 2.3 Ac.
 OIL & GAS ROYALTY OWNER J. BERNARD POINDEXTER, JR. LEASE ACREAGE 2.3 Ac.
 LEASE NO. _____
 PROPOSED WORK: DRILL X 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 BRALLIER 2 ESTIMATED DEPTH 3000'
 WELL OPERATOR DELTA MIKE, INC. DESIGNATED AGENT DAVID MANGUS
 ADDRESS P.O. BOX 9172 ADDRESS P.O. BOX 9172
HUNTINGTON, WV 25704 HUNTINGTON, WV 25704

NOV 9 1981



IV-35
(Rev 8-81)

Date 6/16/82
Operator's
Well No. Poindexter Well #1
Farm
API No. 47 - 011 - 0 699

State of West Virginia
Department of Mines
Oil and Gas Division

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

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

LOCATION: Elevation: 553.32 MSL Watershed Guyandotte River
District: Gideon County Cabell Quadrangle Hunt., Oh., WV 7 1/2'

COMPANY Delta-Mike Inc.
ADDRESS P.O. Box 9172, Huntington, W.V. 25704
DESIGNATED AGENT David Mangus
ADDRESS P.O. Box 9172, Huntington, W.V. 25704
J. Bernard & Elizabeth T. Poindexter, Jr. &
SURFACE OWNER Bernice P. & O. Jennings Rife
ADDRESS 156 Camelot Dr., Huntington, WV 25701
MINERAL RIGHTS OWNER Same as Surface Owner
ADDRESS Same as Surface Owner
OIL AND GAS INSPECTOR FOR THIS WORK Ken
Butcher ADDRESS RFD 1,
Barboursville, W.V.
PERMIT ISSUED 10/21/81
DRILLING COMMENCED 3/23/82
DRILLING COMPLETED 3/27/82 ✓
IF APPLICABLE: PLUGGING OF DRY HOLE ON
CONTINUOUS PROGRESSION FROM DRILLING OR
REWORKING. VERBAL PERMISSION OBTAINED
ON

Casing Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cord.			
13-10"			
9 5/8	250'	250'	cement to surface
8 5/8			
7	1500'	1500'	cement to surface
5 1/2			
4 1/2			
3			
2	3000'	3000'	300 sacks
Liners used			

GEOLOGICAL TARGET FORMATION Devonian Shale Depth 3000 feet
Depth of completed well 3243 feet Rotary X / Cable Tools
Water strata depth: Fresh 150 feet; Salt 700 feet
Coal seam depths: N/A Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Devonian Shale Pay zone depth 2400-2800 feet
Gas: Initial open flow 0 Mcf/d Oil: Initial open flow None Ebl/d
Final open flow 50,000 Mcf/d Final open flow None Ebl/d
Time of open flow between initial and final tests 12 hours
Static rock pressure 125 lbs psig (surface measurement) after 12 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 Ebl/d
Final open flow Mcf/d Oil: Final open flow Ebl/d
Time of open flow between initial and final tests hours
Static rock pressure psig (surface measurement) after hours shut in

SEP 03 1985

(Continue on reverse side)

Open hole shot 5 1/2 judgm. ft -
 shot - 3000' - bottom - top 2810'
 shot - 2510' - bottom - top 2500'

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
topsoil	clay	soft	0	50	
shale	grey	soft	50	170	
sand	yellow	hard	170	270	
shale	grey	soft	270	395	
alt Sand	white	hard	395	670	
shale	grey	soft	670	845	
alt Sand	white	hard	845	890	
shale	black	soft	890	1020	
lime	brown	hard	1020	1220	
shale	grey	soft	1220	1345	
shale	grey	soft	1345	1900	
shale	brown	soft	1900	1975	
shale	grey	soft	1975	2575	
shale	brown	soft	2575	2725	
shale	grey	soft	2725	2800	
shale	brown	soft	2825	2950	
shale	grey	soft	2950	3200TD	
				TD 3243	(on front)
					Onondaga @ TD.
					3243 553 2690

from X-ray log:
 Sunbury sh. top 184 52
 top low. 1293 692
 top. 2585 192
 top / knappa 2775 185
 R. 2963 57
 Onondaga 3020

(Attach separate sheets as necessary)

Delta-Mike, Inc.
 Well Operator

By: David Meyer
 Date: 6/16/82

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."



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

OCT 9 - 1981

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

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

DATE September 29, 1981

Surface Owner Keith R. Whitten Company Delta-Mike, Inc.

Address 230 High Drive, Huntington, WV Address P.O. Box 9172, Huntington, WV

Mineral Owner same Farm Whitten Acres 36.51

Address same Location (waters) Pats Branch

Coal Owner same Well No. 1 Elevation 819.29

Address same District Hogn., Guyan County Cabell

Coal Operator none Quadrangle Huntington

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 6-9-82

INSPECTOR
TO BE NOTIFIED Ken Butcher

ADDRESS RFD 1, Barboursville, W. Va.

PHONE 736-4885

Fred B. ...
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 July 31, 1981 by Keith R. Whitten made to Delta-Mike, Inc. and recorded on the 31 day of July 19 81 in Cabell County, Book 241 Page 689

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.

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

Very truly yours,
(Sign Name) David J. ...
Well Operator

P. O. Box 9172
Street

Huntington
City or Town

West Virginia
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

47-011-0697 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 David J. ...

Survey

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 Conrad Pinson & Sons, Inc. NAME Delta-Mike, Inc.
 ADDRESS P.O. Box 157, N. Matewan, WV 25688 ADDRESS P.O. Box 9172, Huntington, WV 25704
 TELEPHONE 606-427-7187 TELEPHONE 522-4358
 ESTIMATED DEPTH OF COMPLETED WELL: 3000' ROTARY CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Devonian Shale
 TYPE OF WELL: OIL _____ GAS COMB. _____ 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			
13 - 10	20'	20'	Cement to surface
9 - 5/8	250'	250'	" "
8 - 5/8			
7	1525'	1525'	Cement to surface
5 1/2			
4 1/2	3000'	3000'	" "
3			
2			Perf. Top
			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 160 FEET SALT WATER 650 FEET
 APPROXIMATE COAL DEPTHS _____
 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

OCT 22 1981

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

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

DATE October 21, 1981
Company Delta-Mike, Inc.
Address P. O. Box 9172, Huntington, WV 25704
Farm Poindexter Acres 2.3
Location (waters) Cuyandotte River
Well No. 1 Elevation 553
District Huntington-Cuyan County Cabell
Quadrangle Huntington

Surface Owner J. Bernard Poindexter
Address 136 Camelot Drive, Huntington, WV
Mineral Owner same
Address same
Coal Owner same
Address same
Coal Operator none
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 6-26-82.

INSPECTOR
TO BE NOTIFIED Ken Butcher
ADDRESS RFD 1, Barboursville, W. Va.
PHONE 736-4885

Frederic B. Brundette
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 19th October 19 81 by J. B. Poindexter & Jennings Rife made to Delta-Mike, Inc. and recorded on the 21 day of October 19 81, in Cabell County, Book 243 Page 222
 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.

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

Very truly yours,
(Sign Name) David Mangus
Well Operator
P. O. Box 9172
Street
Huntington
City or Town
West Virginia 25704
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

47-011-0699

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 David Mangus

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 Conrad Pinson & Sons Inc. NAME David Mangus
 ADDRESS P. O. Box 244, Barboursville, WV ADDRESS P. O. Box 9172, Huntington, WV
 TELEPHONE 736-7300 TELEPHONE 522-4558
 ESTIMATED DEPTH OF COMPLETED WELL: 3000' *Bracie* ROTARY X CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Devonian shale
 TYPE OF WELL: OIL _____ GAS X COMB. _____ 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			
13 - 10			
9 - 5/8	250'	250'	Cement to surface
8 - 5/8			
7	1500'	1500'	Cement to surface
5 1/2			
4 1/2			
3			
2	3000'	3000'	Perf. Top 3000 Sacs. or to base
Liners			Perf. Top of Berea Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 150 FEET SALT WATER 700 FEET
 APPROXIMATE COAL DEPTHS none
 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