

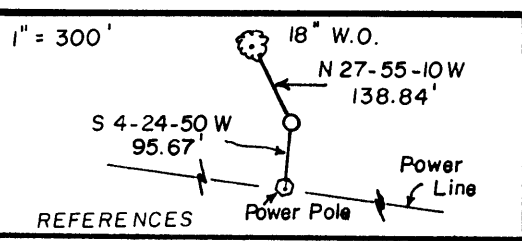
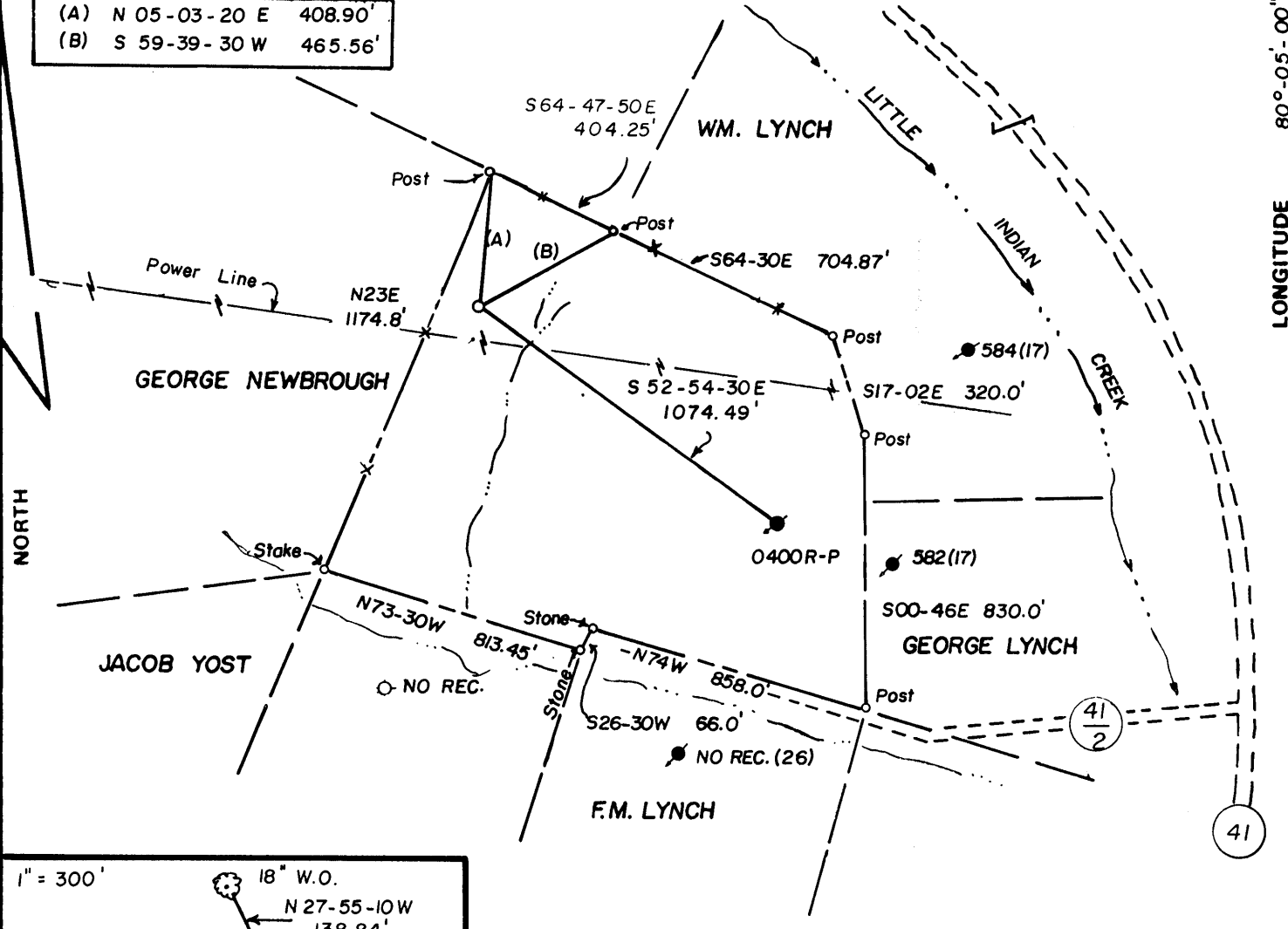
COAL OPERATOR: Consolidated Coal Company

Janice 1/5/88 11/22/88 1/6/3/89

LATITUDE 39°-37'-30" 7.5' TOPO

LONGITUDE 80°-05'-00"

(A) N 05-03-20 E 408.90'
(B) S 59-39-30 W 465.56'



EDDY No 1 - 34 acres ±

FILE NO. _____
DRAWING NO. _____
SCALE 1" = 500'
MINIMUM DEGREE OF ACCURACY 1 in 200
PROVEN SOURCE OF ELEVATION B.M. -1090 at intersection of roads - 1800' S.E. of location

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) *Robert H. Davis*
R.P.E. _____ L.L.S. 800

PLACE SEAL HERE

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



DATE OCTOBER 6, 1987
OPERATOR'S WELL NO. 1
API WELL NO. _____
STATE COUNTY PERMIT

STATE OF WEST VIRGINIA DEPARTMENT OF MINES OIL AND GAS DIVISION

WELL TYPE: OIL ___ GAS LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS,") PRODUCTION STORAGE ___ DEEP ___ SHALLOW
LOCATION: ELEVATION 1205 WATER SHED LITTLE INDIAN CREEK
DISTRICT GRANT COUNTY MONONGALIA
QUADRANGLE RIVESVILLE 7.5'
SURFACE OWNER J. DALLAS EDDY HEIRS ACREAGE 34
OIL & GAS ROYALTY OWNER J. DALLAS EDDY HEIRS LEASE ACREAGE 34
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) _____

0850- Free
Plugging

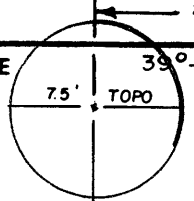
WAGON 0850

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
TARGET FORMATION BALLTOWN ESTIMATED DEPTH 3800'
WELL OPERATOR JARRELL DIVERSIFIED ENERGY DESIGNATED AGENT H.V. JARRELL
ADDRESS RT. 2 BOX 17 ROANOKE, W.V. 26423
ADDRESS RT. 2 BOX 17 ROANOKE, WV 26423

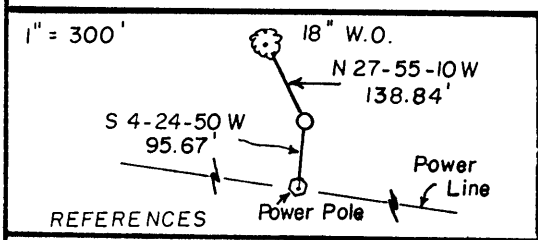
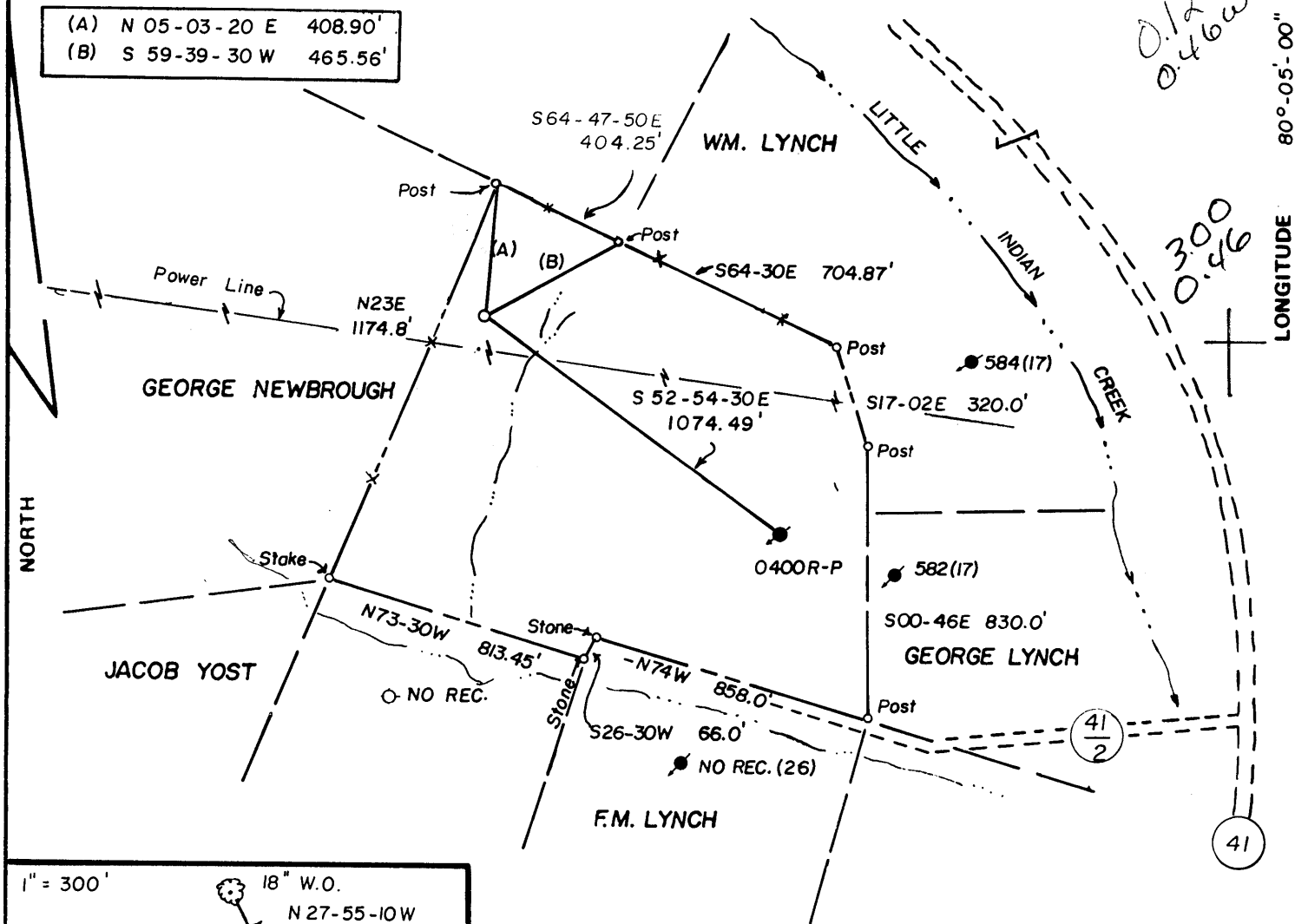
JUN 16 1989

COAL OPERATOR: Consolidated Coal Company
Amie 1/5/88 & 11/22/88

LATITUDE 39°-37'-30"



(A) N 05-03-20 E 408.90'
 (B) S 59-39-30 W 465.56'



EDDY No 1 — 34 acres ±

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1 in 200
 PROVEN SOURCE OF ELEVATION B.M. - 1090 at intersection of roads - 1800' S.E. of location

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) Robert H. Davis
 R.P.E. _____ L.L.S. 800

PLACE SEAL HERE

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



DATE . OCTOBER 6 , 19 87
 OPERATOR'S WELL NO. 1
 API WELL NO. 47 - 061 - 0850-Fa
 STATE COUNTY PERMIT
According to WV DEP
fracid 12-3-88

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

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
 LOCATION: ELEVATION 1205 WATER SHED LITTLE INDIAN CREEK
 DISTRICT GRANT 5 COUNTY MONONGALIA
 QUADRANGLE RIVESVILLE 7.5' 579 012 5
 SURFACE OWNER J. DALLAS EDDY HEIRS ACREAGE 34
 OIL & GAS ROYALTY OWNER J. DALLAS EDDY HEIRS LEASE ACREAGE 34
 LEASE NO. _____
 PROPOSED WORK: DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE X PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION BALLTOWN ESTIMATED DEPTH 3800'
 WELL OPERATOR JARRELL DIVERSIFIED ENERGY DESIGNATED AGENT H.V. JARRELL
 ADDRESS RT. 2 BOX 17 3067 ADDRESS RT. 2 BOX 17
 ROANOKE, W.V. 26423 ROANOKE, WV 26423

DEC 2 1988

MONONGALIA 0850

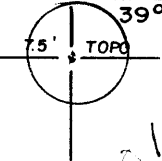
YSS 1/5/88

2510
39 40

COAL OPERATOR: Consolidated Coal Company

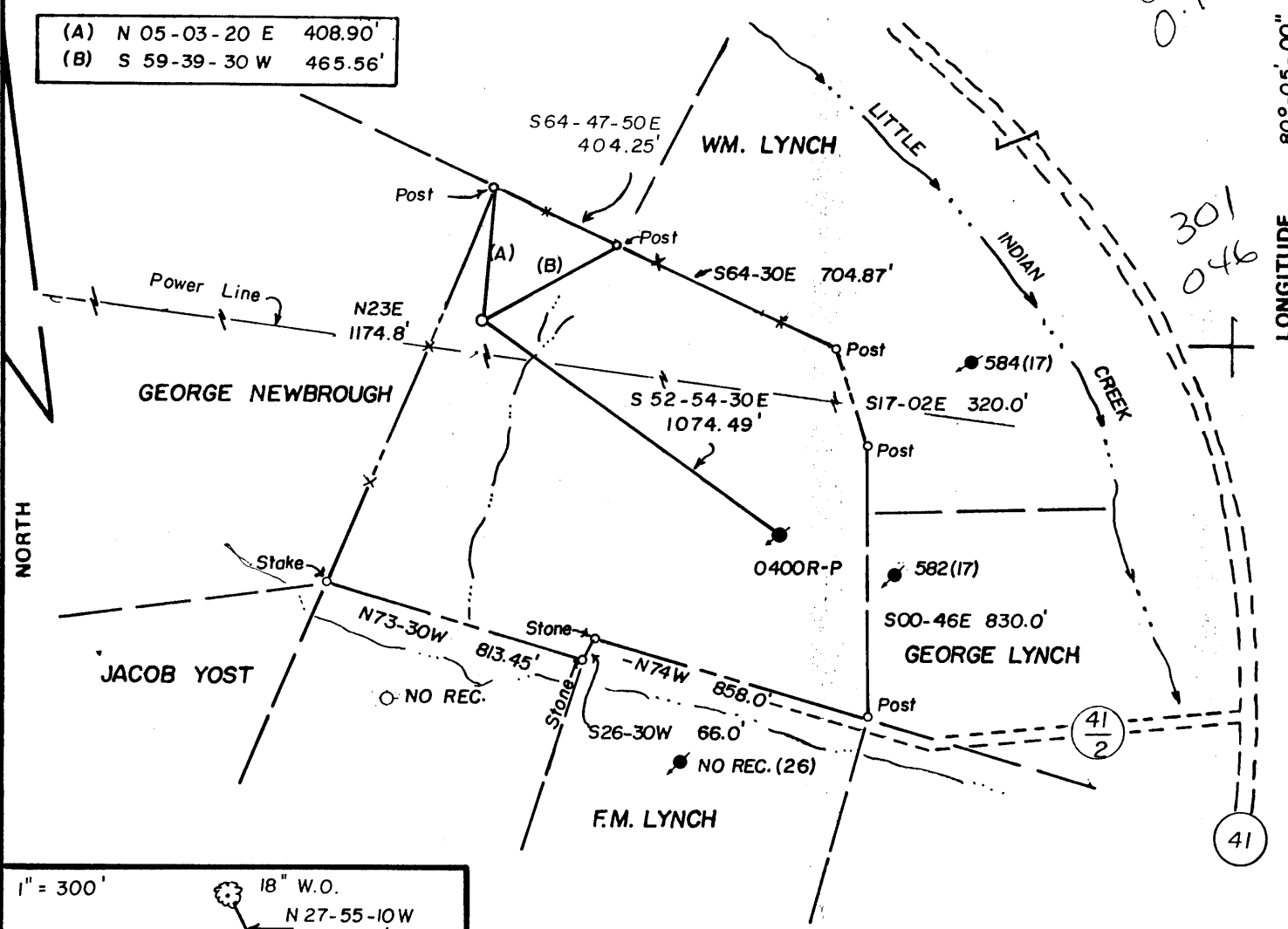
LATITUDE

39°-37'-30"



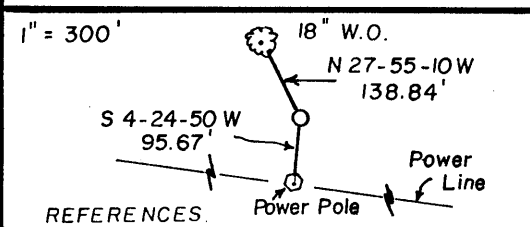
0.135
0.460

(A) N 05-03-20 E 408.90'
(B) S 59-39-30 W 465.56'



LONGITUDE 80°-05'-00"

301
046



EDDY No 1 - 34 acres ±

FILE NO. _____
DRAWING NO. _____
SCALE 1" = 500'
MINIMUM DEGREE OF ACCURACY 1 in 200
PROVEN SOURCE OF ELEVATION B.M. -1090 at intersection of roads - 1800' S.E. of location

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) Robert H. Davis
R.P.E. _____ L.L.S. 800

PLACE SEAL HERE

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



DATE OCTOBER 6, 1987
OPERATOR'S WELL NO. 1
API WELL NO. 47-061-0850
STATE WEST VIRGINIA COUNTY MONONGALIA PERMIT 0850

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

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
LOCATION: ELEVATION 1205 WATER SHED LITTLE INDIAN CREEK
DISTRICT GRANT 5 COUNTY MONONGALIA
QUADRANGLE RIVESVILLE 7.5' 579 012 CS Blacksville
SURFACE OWNER J. DALLAS EDDY HEIRS ACREAGE 34
OIL & GAS ROYALTY OWNER J. DALLAS EDDY HEIRS LEASE ACREAGE 34
LEASE NO. _____
PROPOSED WORK: DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE X PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
TARGET FORMATION BALLTOWN ESTIMATED DEPTH 3800'
WELL OPERATOR JARRELL DIVERSIFIED ENERGY DESIGNATED AGENT H.V. JARRELL
ADDRESS RT. 2 BOX 17 ROANOKE, W.V. 26423 ADDRESS RT. 2 BOX 17 ROANOKE, WV 26423

JAN 11 1987

6-6 Cassville - Bowlby (68)

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

1st stage - 5 .39" holes at 2786-92 5 .39" holes at 2892-96
 4 .39" holes at 2848-52

NOWSCO FRACT: 539 bbl water ; 40,000 lbs 20/40 sand Breakdown 2550

2nd stage; 5 .39" holes at 2360-2400 2 .39" holes at 2524-26
 4 .39" holes at 2414-40 2 .39" holes at 2612-14

NOWSCO WATER FRACT; 530 bbl water, 39,000 lb 20/40 sand

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Dirt			0	10	
Shale			10	131	
Coal			131	136	
Shale			136	422	
Coal			422	424	
S & s			424	494	
Coal			494	498	
Sand & Shale			498	599	1/2" stream of water
Sand & shale			599	1700	1" stream of water 1455'
Little Lime			1700	1726	
Big lime			1726	1806	
Big Injun			1806	1904	
Squaw			1904	2020	
50 foot			2020	2060	
Shale			2060	2360	
Sand & Shale			2360	2660	Gas show
Gordon			2660	2670	
Shale			2670	2780	
4th Sand			2780	2800	
5th Sand			2840	2856	
Shale			2900	3030	13/10 1" H ² O

RECEIVED
 JUL 11 1988

DIVISION OF OIL & GAS
 DEPARTMENT OF ENERGY

(Attach separate sheets as necessary)

Jarrell Diversified Energy, Inc.

Well Operator

By: Harris V Jarrell

Date: February 5 1988

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."

RECEIVED
NOV 16 1988

Date: November 11, 1988
Operator's well number
EDDy # 1
API Well No: 47 - 061 - 0850 - FRAC
State - County - Permit

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY
STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

- 4) Surface Owner(s) to be served:
- (a) Name Mrs. Marie McClure, A.I.F. Address Route 1, Box 59
Core, W. Va. 26529
- (b) Name _____ Address _____
- (c) Name _____ Address _____
- 5) (a) Coal Operator:
Name Consolidation Coal Co. Address P. O. Box 1314
Morgantown, W. Va 26505
- (b) Coal Owner(s) with Declaration
Name Amerikohl Mining, Inc. Address _____
Westover, W. Va.
- Name _____ Address _____
- (c) Coal Lessee with Declaration
Name Amerikohl Mining, Inc. Address 415 Fairmont Road
Westover, W. Va. 26505
- 6) Inspector Don Ellis
Address 2604 Crab Apple Lane
Fairmont, WV. 26554
Telephone (304)-534-5596

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 XX Included is the information required by Chapter 22B, Article 1, Section 8(d) of the Code of West Virginia (see page 2)

I certify that as required under Chapter 22B 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:

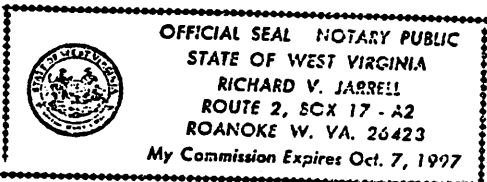
- Personal Service (Affidavit attached)
- X Certified Mail (Postmarked postal receipt attached)
- Publication (Notice of Publication attached)

I have read and understand Chapter 22B 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 Jarrell Diversified Energy, Inc.
By: Richard W. Jarrell
Its: President
Address Route 2, Box 17 - B Roanoke, W. V 26423
Telephone 304-452-8092



Subscribed and sworn before me this 11th day of November, 1988

My commission expires Oct 7, 1997 Richard W. Jarrell Notary Public

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

Page 3 of 1
Issued 12/02/88 Expires 12/02/90
24565, 5, 578

- 1) Well Operator: Jarrell Diversified Energy, Inc.
- 2) Operator's Well Number: EDDY # 1 3) Elevation: 1205
- 4) Well type: (a) Oil / or Gas /
(b) If Gas: Production / Underground Storage
Deep Shallow
- 5) Proposed Target Formation(s): Injun
- 6) Proposed Total Depth: 3015 feet
- 7) Approximate fresh water strata depths: 40
- 8) Approximate salt water depths: 1455
- 9) Approximate coal seam depths: 131' 422' 496'
- 10) Does land contain coal seams tributary to active mine? Yes / No
- 11) Proposed Well Work: Fracture Injun Zone New Formation
- 12)

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT Fill-up (cu. ft.)
	Size	Grade	Weight per ft.	For drilling	Left in well	
Conductor						
Fresh Water	<u>8 5/8</u>			<u>568'</u>	<u>568'</u>	<u>Cement to surface</u>
Coal					<u>5 1/2" string</u>	
Intermediate						
Production	<u>4 1/2</u>			<u>3000'</u>	<u>3000'</u>	<u>300 sks.</u>
Tubing						
Liners						

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NOV 16 1988

PACKERS : Kind _____
Sizes _____
Depths set _____

DIVISION OF OIL & GAS

For Division of Oil and Gas Use Only DEPARTMENT OF ENERGY

Fee(s) paid: Well Work Permit Reclamation Fund WPCP
 Plat WW-9 WW-2B Bond 50 Blanket Agent
 (Type)

Handwritten notes:
400
30
2015



1) Date: November 30, 1987
 2) Operator's Well No. J. Dallas Eddy # 1
 3) API Well No. 47 061 0850
 State County Permit

7/8
RECEIVED
DEC 21 1987

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

- 4) WELL TYPE: A Oil / Gas / B (If "Gas", Production / Underground storage / Deep / Shallow)
- 5) LOCATION: Elevation: 1205' / Watershed: Little Indian Creek / District: Grant 5 / County: Monongalia 061 / Quadrangle: Rivesville 7'5 **578**
- 6) WELL OPERATOR Jarrell Div. En CODE: 24565 / 7) DESIGNATED AGENT Hollis V. Jarrell
 Address Rt. 2, Box 17 / Address Rt. 2m Box 17
Roanoke, W. Va. 26423 / Roanoke, W. Va. 26423
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED Name Don Ellis / 9) DRILLING CONTRACTOR: Name (unknown)
 Address Fairmount, W. Va. / Address _____
Ph-534-5596
- 10) PROPOSED WELL WORK: Drill / Drill deeper / Redrill / Stimulate
 Plug off old formation / Perforate new formation
 Other physical change in well (specify) _____
- 11) GEOLOGICAL TARGET FORMATION, 5th sand 5th Sand 422
- 12) Estimated depth of completed well, 2950' feet
- 13) Approximate trata depths: Fresh, 120' feet; salt, 1452'-1585' feet.
- 14) Approximate coal seam depths: 450' 577-521' Is coal being mined in the area? Yes / No
- 15) CASING AND TUBING PROGRAM From 185, 400' Monongalia

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	15"			X		30'			Kinds
Fresh water	8 5/8		24	X		500'	500'	425 skks	Sizes <u>38CSR18-11.3</u>
Coal						551'	551'	C/S	<u>38CSR18-11.2</u>
Intermediate									Depths set <u>38CSR18-11.1</u>
Production	4 1/2"		10.5				2950'	175 sks	
Tubing									
Lin.									Perforations:
									Top Bottom

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-061-0850 Date January 5 19 88

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 January 5, 1990 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Casing:	Fee:	WPO:	S&E:	Other:
				240 102		MW	

NOTE: Keep one copy of this permit posted at the drilling location.
 Director, Division of Oil and Gas File

See the reverse side of the APPLICANT'S COPY for instructions to the well operator.

6537

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
DIVISION OF OIL AND GAS

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVITE SHOULD BE IN TRIPLICATE, one copy mailed to the Division, one copy to be retained by the Well Operator and the third copy (and extra copies if required) should be mailed to each coal operator at their respective addresses.

Farm name: EDDY, DALLAS J. HEIRS Operator Well No.: J. D. EDDY 1

LOCATION: Elevation: 1205.00 Quadrangle: RIVESVILLE
District: GRANT County: MONONGALIA
Latitude: 670 Feet South of 39 Deg. 37 Min. 30 Sec.
Longitude 2510 Feet West of 80 Deg. 5 Min. 0 Sec.

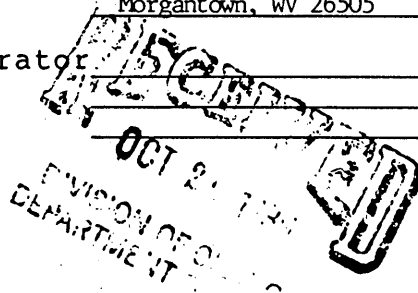
Well Type: OIL _____ GAS X

Company: Jarrell Diversified Energy, Inc.
Route 2, Box 17
Roanoke, WV 26423

Coal Operator Consolidation Coal Co.
or Owner P.O. Box 1314
Morgantown, WV 26505

Agent: H. V. Jarrell
Inspector: Donald Ellis
Permit Issued: 06/12/89

Coal Operator _____
or Owner _____



AFFIDAVIT

STATE OF WEST VIRGINIA,
County of UPSHUR

ss:

Robert Wharton and Larry Helmick being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by R. L. Wharton Ltd., well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 4th day of October, 1989, and that the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED	LEFT
Gel	2170	2068		
Cement	2068	2058		
Gel	2058	2020	825' of 4 1/2"	2175
Cement	2020	2000	at FREE POINT	
Gel	2000	825	Don Ellis	
Cement	825	725		
Gel	775	675		
Cement	675	575		
Gel	575	0		

Description of monument: Erected 36" monument

and that the work of plugging and filling said well was completed on the 9th day of October, 1989.

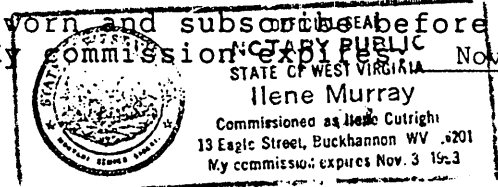
And further deponents saith not.

Robert Wharton

Larry Helmick

Sworn and subscribed before me this 20th day of October, 1989
My commission expires November 3, 1993

Ilene Murray
Notary Public



NOV 09 1989

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE, one copy mailed to the Division, one copy to be retained by the Well Operator and the third copy (and extra copies if required) should be mailed to each coal operator at their respective addresses.

Consolidation Coal Company
Coal Operator or Owner
P. O. Box 1314 Morgantown, WV
Address

Jarrell Diversified Energy, Inc.
Name of Well Operator
Rt. 2, Box 17 Roanoke WV 26423
Complete Address

Amerikohl Mining Co.
Coal Operator or Owner
P. O. Box 2187 Westover, WV
Address

October 30 1989
WELL AND LOCATION

Dallas Eddy Hrs.
Lease or Property Owner

Grant District
Monongahelia County

Rt. 1, Box 59 Core, WV 26529
Address

WELL NO. 41-061-0850

J./ Dallas Eddy Hrs.

STATE INSPECTOR SUPERVISING PLUGGING Don Ellis - Fairmont, WV

AFFIDAVIT

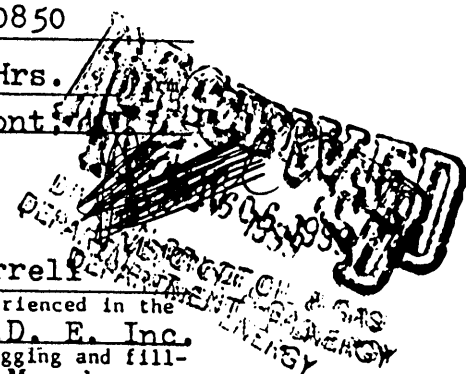
STATE OF WEST VIRGINIA,
County of Monon.

ss:

Hollis V. Jarrell

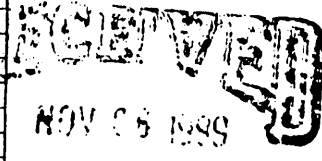
and Richard V. Jarrell

being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by J.D. E. Inc., well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 14th day of March, 19 88, and that the well was plugged and filled in the following manner:



Sand or Zone Record Formation	Filling Material	Plugs Used Size & Kind	Casing	
			CSO PULLED	CSO LEFT IN
<u>5 th</u>	<u>Sand from t. D. to 2860'</u> <u>Cement from 2860' to 2840'</u>			
<u>4th & Gordon</u>	<u>Sand from 2840' to 2200'</u> <u>Cement from 2200' to 2170'</u>			
Coal Seams				
(Name)		Description of Monument		
(Name)				
(Name)				
(Name)				

This is for the partial plugging only



DEPARTMENT OF ENERGY

and that the work of plugging and filling said well was completed on the 14th day of March, 19 88.

And further deponents saith not.

Sworn to and subscribed before me this 3rd day of November, 19 89.

Hollis V. Jarrell
Richard V. Jarrell
William E. Fossey
Notary Public

My commission expires:

June 22 1996

Permit No. 47-061-0850

