

AR: 5/29/86

8400'

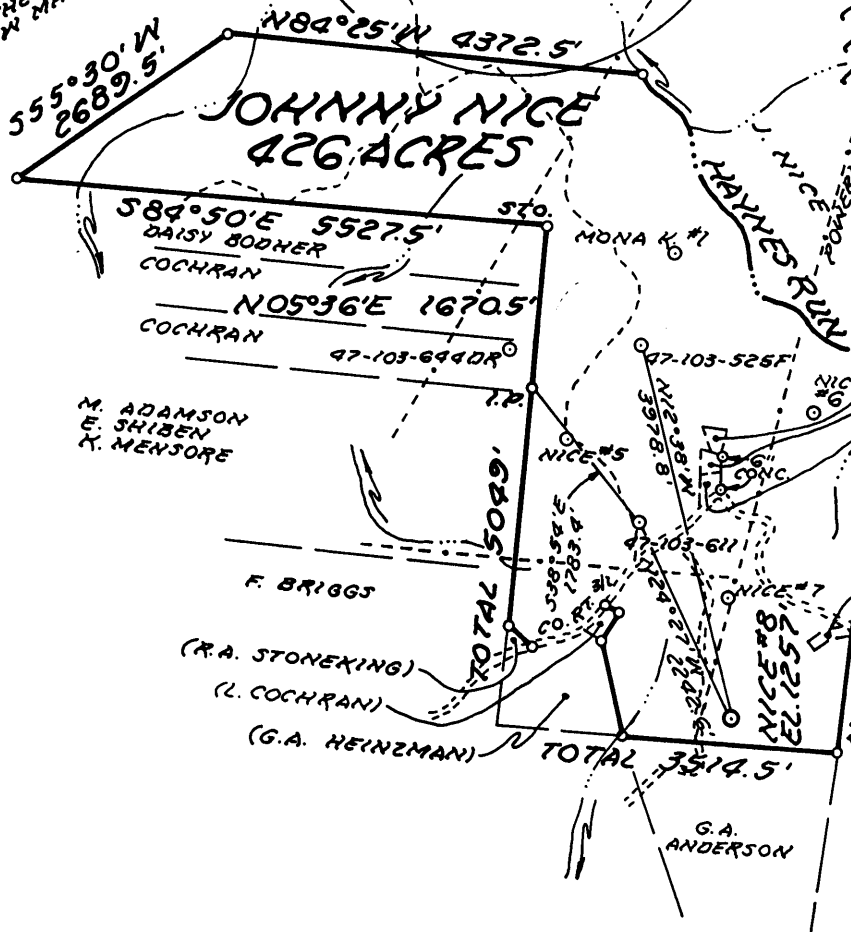
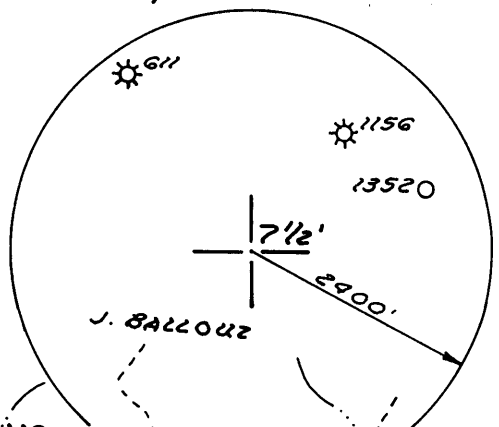
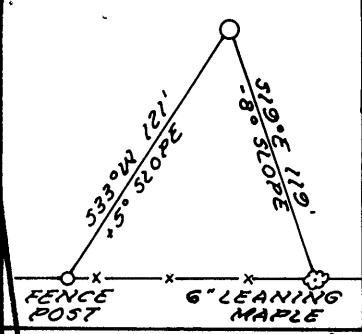
Janice 6/14/89

LATITUDE 39° 40'

16 LINES DOWN HAYNES RUN:

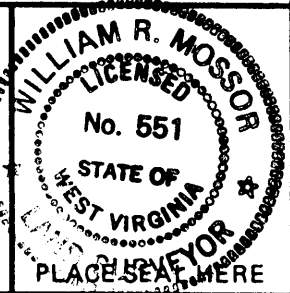
- N35°10'W 198'
- N16°15'W 198'
- N82°W 429'
- N47°W 396'
- N57°30'W 214.5'
- N31°08'W 156.7'
- N89°W 255.7'
- N29°25'W 181.5'
- N06°20'E 186.9'
- N19°35'W 401.5'
- N25°W 335.5'
- N25°30'W 335.5'
- N50°E 280.5'
- N25°30'W 241.9'
- N46°W 214.5'
- N12°30'W 82.5'

LONGITUDE 80° 47' 30"



FILE NO. MB  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 2000'  
 MINIMUM DEGREE OF ACCURACY 1:200  
 PROVEN SOURCE OF ELEVATION HIGH PT. 1411' 1700' NN OF LOC.

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) William R. Mossor  
 R.P.E. \_\_\_\_\_ L.L.S. 551



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



DATE 27 NOVEMBER 19 85  
 OPERATOR'S WELL NO. NICE #8  
 API WELL NO. 47-103-1398  
 STATE COUNTY PERMIT

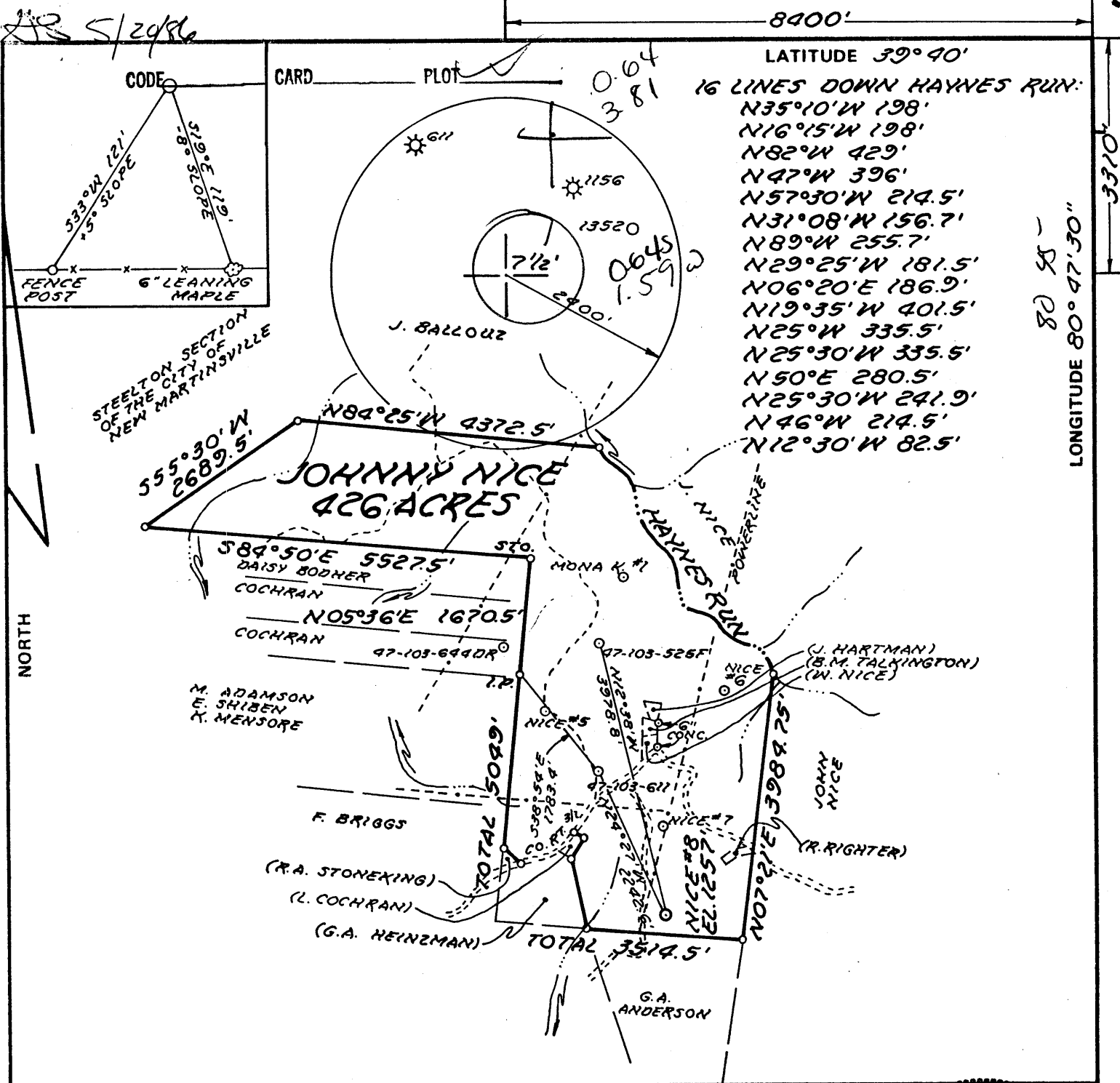
STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION

WELL TYPE: OIL  GAS  LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_  
 (IF "GAS,") PRODUCTION  STORAGE \_\_\_\_\_ DEEP \_\_\_\_\_ SHALLOW   
 LOCATION: ELEVATION 1257' WATER SHED COLE RUN  
 DISTRICT MAGNOLIA COUNTY WETZEL  
 QUADRANGLE NEW MARTINSVILLE 7 1/2'  
 SURFACE OWNER JOHNNY NICE, ET AL. ACREAGE 426  
 OIL & GAS ROYALTY OWNER JOHNNY NICE, ET AL. LEASE ACREAGE 426  
 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) \_\_\_\_\_

JUN 16 1989

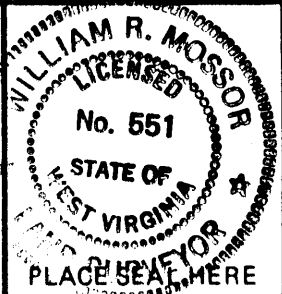
PLUG AND ABANDON \_\_\_\_\_ CLEAN OUT AND REPLUG \_\_\_\_\_  
 TARGET FORMATION GORDON ESTIMATED DEPTH 3100'  
 WELL OPERATOR MURKIN OIL CORP. DESIGNATED AGENT NATHAN BOWLES JR.  
 ADDRESS Box 237, Olney, Tenn, TN 37550 ADDRESS Box 1386, Charleston, W.V. 25325

WET 1398



FILE NO. MB  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 2000'  
 MINIMUM DEGREE OF ACCURACY 1:200  
 PROVEN SOURCE OF ELEVATION HIGH PT. 1411' 1700' NW OF LOC.

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) William R. Mossor  
 R.P.E. \_\_\_\_\_ L.L.S. 551



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



DATE 27 NOVEMBER, 19 85  
 OPERATOR'S WELL NO. NICE #8  
 API WELL NO. 47-103-1398  
 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 1257' WATER SHED COLE RUN  
 DISTRICT MAGNOLIA 6 COUNTY WETZEL  
 QUADRANGLE NEW MARTINSVILLE 2 1/2' 509 091 EC6  
 SURFACE OWNER JOHNNY NICE, ET AL. ACREAGE 426  
 OIL & GAS ROYALTY OWNER JOHNNY NICE, ET AL. LEASE ACREAGE 426  
 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 GORDON ESTIMATED DEPTH 3100'  
 WELL OPERATOR CLAY RESOURCES DESIGNATED AGENT ANDY BROWN  
 ADDRESS 204 UNION SQUARE 172 ADDRESS BOX 32  
MARIETTA, OHIO 45750 READER, WV 26167

MAY 27 1986

RECEIVED  
SEP 15 1986



DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

State of West Virginia  
Department of Mines  
Oil and Gas Division

Date September 9, 1986  
Operator's  
Well No. J. NICE # 8  
Farm J. NICE ETAL  
API No. 47 - 103 - 1398

V-35  
ev 8-81)

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

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

LOCATION: Elevation: 1257 Watershed Cole Run  
District: Magnolia County Wetzel Quadrangle New Martinsville

COMPANY CLAY RESOURCES, INC.  
ADDRESS 286 Front St., Marietta, OH 45750  
DESIGNATED AGENT Andy Brown  
ADDRESS Box 32, Reader, WV 26167  
SURFACE OWNER Beulah Talkington  
ADDRESS Rt. #1, Box 45, New Martinsville, WV 26155  
MINERAL RIGHTS OWNER SAME  
ADDRESS \_\_\_\_\_  
OIL AND GAS INSPECTOR FOR THIS WORK  
Mike Underwood ADDRESS Rt. #2, Box 135 Salem WV 26426  
PERMIT ISSUED May 23, 1986  
DRILLING COMMENCED June 3, 1986  
DRILLING COMPLETED June 7, 1986  
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 Cood.			
13-10"			
9 5/8			
8 5/8	<u>1500</u>	<u>8</u>	<u>10000</u>
7			
5 1/2			
4 1/2	<u>2977</u>	<u>5177</u>	<u>30000</u>
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION GORDON Depth 3100 feet  
Depth of completed well 3000 feet Rotary X / Cable Tools \_\_\_\_\_  
Water strata depth: Fresh \_\_\_\_\_ feet; Salt 1107 feet  
Coal seam depths: 1047 Is coal being mined in the area? NO

OPEN FLOW DATA

Producing formation GORDON Pay zone depth 2870-2890 feet  
Gas: Initial open flow 35 Mcf/d Oil: Initial open flow 0 Bbl/d  
Final open flow 30 Mcf/d Oil: Final open flow 0 Bbl/d  
Time of open flow between initial and final tests 72 hours  
Static rock pressure 320 psig (surface measurement) after 72 hours shut in  
(If applicable due to multiple completions...)  
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

(Continue on reverse side)

SEP 22 1986

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

PERFORATED: 12 Holes: 2872 - 2909 Gordon

FRAC'D: 1 Stage Foam: Broke @ 2150: ISP: 2330: 400 SKS 20/40 Sand: N2 483,000 SCF

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
SAND, SS, Limestone			0	2350	
SANDSTONE			2350	2500	
LIMESTONE, SAND			2500	2600	
SAND, SANDSTONE			2600	2700	1st Berea: 2634 - 2640 2nd Berea: 2646 - 2652
SS, SHALE			2700	2800	
SHALE			2800	<u>3000</u>	<u>Gordon</u> : 2870 - 2890

(Attach separate sheets as necessary)

CLAY RESOURCES, INC.

Well Operator

By: Jim Ketting

Date: September 10, 1986

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**  
MAY 10 1986



1) Date: May 5, 1986, 12  
 2) Operator's Well No. J. Nice # 8  
 3) API Well No. 47 State 103 County -1398 Permit

STATE OF WEST VIRGINIA

DIVISION OF OIL & GAS DEPARTMENT OF ENERGY, OIL AND GAS DIVISION  
 DEPARTMENT OF ENERGY  
**APPLICATION FOR A WELL WORK PERMIT**

- 4) WELL TYPE: A Oil  / Gas   
 B (If "Gas", Production  / Underground storage  / Deep  / Shallow )  
 5) LOCATION: Elevation: 1257' Watershed: Cole Run  
 District: Magnolia County: Wetzel Quadrangle: New Martinsville 508  
 6) WELL OPERATOR Clay Resources, Inc CODE: 10025 7) DESIGNATED AGENT Andy Brown  
 Address 286 Front Street Address Box 32  
Marietta, Ohio 45750 Reader, WV 26167  
 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:  
 Name ~~Don~~ Mike Underwood Name N/A  
 Address 2604 Crab Apple Lane RT. 2 Box 135 Address \_\_\_\_\_  
Fairmont, WV 26554 SALEM WV 26426  
783-1043  
 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, Gordon  
 12) Estimated depth of completed well, 3100' feet  
 13) Approximate strata depths: Fresh, 10 feet; salt, 964' feet.  
 14) Approximate coal seam depths: 1467' ~ 1013' ~ 1047' Is coal being mined in the area? Yes  / No

15) CASING AND TUBING PROGRAM Permit # 1156 & 1352

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					<input checked="" type="checkbox"/>	100'	100'	CTS Per	Kind: <u>Ruc 15.05</u>
Fresh water	8 5/8					1457	1457	CTS	Per rule 15.05
Coal									Sizes
Intermediate									
Production	4 1/2					Approx. 3100'	App. 3100'		Depths set Per rule 15.01
Tubing									
Lin.									Perforations:
	<b>* MUST RUN IF FRESH WATER IS ENCOUNTERED.</b>								Top Bottom

OFFICE USE ONLY  
 DRILLING PERMIT

Permit number 47-103-1398 Date May 21 19 86

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 May 21, 1988 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <input checked="" type="checkbox"/>	Agent: <u>AS</u>	Plat: <u>AS</u>	Casing: <u>AS</u>	Fee: <u>2227</u>	WPCP: <u>AS</u>	S&E: <u>AS</u>	Other:
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NOTE: Keep one copy of this permit posted at the drilling location.

John D. Johnston by Margaret J. Hasse  
 Director, Division of Oil and Gas File

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

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: TALKINGTON, BEULAH Operator Well No.: J. NICE #8

LOCATION: Elevation: 1257.00 Quadrangle: NEW MARTINSVILLE  
District: MAGNOLIA County: WETZEL  
Latitude: 3310 Feet South of 39 Deg. 40 Min. 0 Sec.  
Longitude 8400 Feet West of 80 Deg. 47 Min. 30 Sec.

Well Type: OIL \_\_\_\_\_ GAS X\_\_\_\_\_

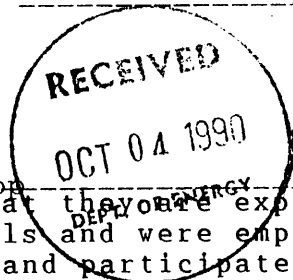
Company: Murvin Oil Corp. Coal Operator None  
P.O. Box 297 or Owner \_\_\_\_\_  
Olney, IL 62450 \_\_\_\_\_

Agent: P. Nathan Bowles Jr. Coal Operator None  
Inspector: Mr. Mike Underwood or Owner \_\_\_\_\_  
Permit Issued: 06/14/89 \_\_\_\_\_

AFFIDAVIT

STATE OF WEST VIRGINIA,  
County of Wood ss:

Robert Limrick and Robert Allton 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 Murvin Oil Corporation, well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 26th day of September, 1990, and that the well was plugged and filled in the following manner:



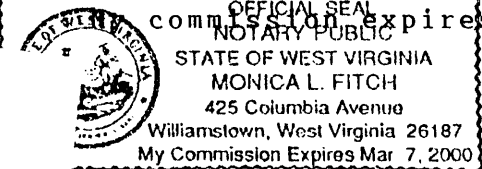
TYPE	FROM	TO	PIPE REMOVED	LEFT
Cement	2909'	2800'	1607' - 4 1/2"	1293'
6% Gel	2800'	1550'		
Cement	1550'	1450'	0' - 8 5/8"	1503'
6% Gel	1450'	50'		
Cement	50'	Surface		

Description of monument: 3' of 7" casing welded on top of surface casing  
and that the work of plugging and filling said well was completed on the 27th day of September, 1990.  
A.P.I. number welded on side of monument

And further deponents saith not.

Robert Limrick  
Robert L. Allton  
Monica L. Fitch  
Notary Public

Sworn and subscribe before me this 28th day of September, 1990  
My Commission Expires: March 7, 2000



OCT 15 1990