

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1 PART IN 200
 PROVEN SOURCE OF ELEVATION BM ON RT. # 11 1250' S.W. OF MARGERY RUN
 ELEVATION 759'

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) Daniel L. Wheeler
 R.P.E. _____ L.L.S. 530

DANIEL L. WHEELER
 LICENSED
 No. 530
 STATE OF WEST VIRGINIA
 LAND SURVEYOR
 PLACE SEAL HERE

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



DATE SEPTEMBER 24th, 19 80
 OPERATOR'S WELL NO. J-359
 API WELL NO. 47 - 095 - 0871-P
 STATE TYLER COUNTY TYLER PERMIT 0871-P

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

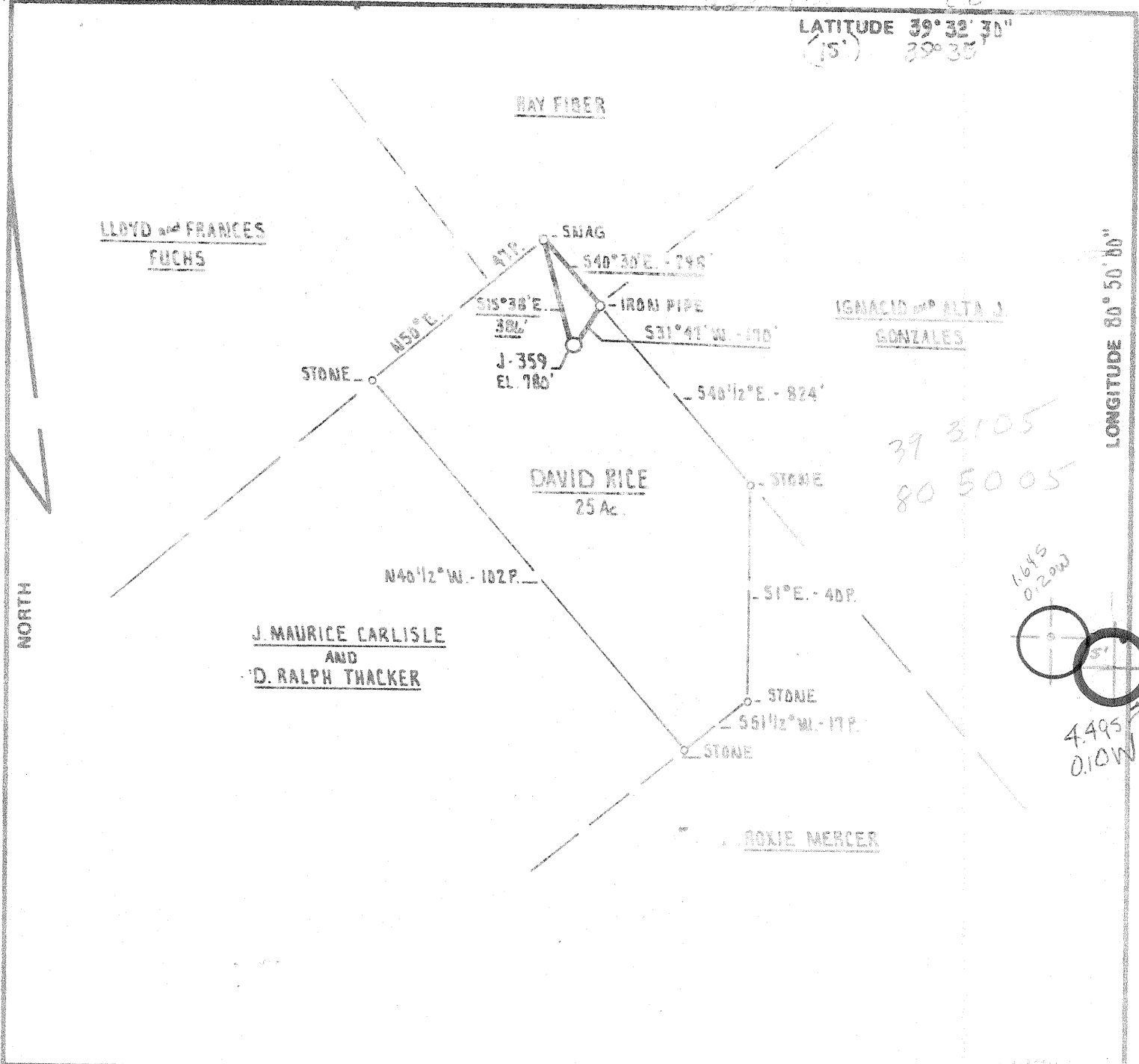
WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
 LOCATION: ELEVATION 180' WATER SHED ELK FORK
 DISTRICT ELLSWORTH COUNTY TYLER
 QUADRANGLE PORTERS FALLS 7.5' NEW MARTINSVILLE 15'
 SURFACE OWNER J. MAURICE CARLISLE and D. RALPH THACKER ACREAGE 25 Ac.
 OIL & GAS ROYALTY OWNER JAMES DDAN LEASE ACREAGE 25 Ac.
 LEASE NO. M. 605-6
 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 ALEXANDER ESTIMATED DEPTH 5400'
 WELL OPERATOR J. and J. ENTERPRISE, INC. DESIGNATED AGENT HARRY BARNETT
 ADDRESS P.O. BOX 48 BUCKHANNON, WEST VIRGINIA 26201 ADDRESS P.O. BOX 48 BUCKHANNON, WEST VIRGINIA 26201

AUG 16 1982

LATITUDE 39° 32' 30" (15') 39° 35'

LONGITUDE 80° 50' 00"



FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1 PART IN 200
 PROVEN SOURCE OF ELEVATION BM DN RT. # 11 1250' S.W. OF MARGERY RUN ELEVATION 759'

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) Donald L. Wheeler
 R.P.E. _____ L.L.S. 530

PLACE SEAL HERE

(+) 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 SEPTEMBER 24th, 19 80
 OPERATOR'S WELL NO. J-359
 API WELL NO. 47-095-0871
 STATE COUNTY PERMIT

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
 LOCATION: ELEVATION 780' WATER SHED ELK FORK
 DISTRICT ELLSWORTH COUNTY TYLER
 QUADRANGLE PORTERS FALLS 1.5' NEW MARTINSVILLE 15'SC
 SURFACE OWNER J. MAURICE CARLISLE and D. RALPH THACKER ACREAGE 25 Ac.
 OIL & GAS ROYALTY OWNER JAMES DDAN LEASE ACREAGE 25 Ac.
 LEASE NO. M-605-6
 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 ALEXANDER ESTIMATED DEPTH 5400'
 WELL OPERATOR J. and J. ENTERPRISE, INC. DESIGNATED AGENT HARRY BARNETT
 ADDRESS P.O. BOX 48 BUCKHANNON, WEST VIRGINIA 26201 ADDRESS P.O. BOX 48 BUCKHANNON, WEST VIRGINIA 26201

NOV 17 1980

Date: January 7, 19 81

Operator's Well No. J-359

API Well No. 47-095-0871
State County Permit

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

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

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

LOCATION: Elevation: 780 Watershed: Elk Fork
District: Ellsworth County: Tyler Quadrangle: Porters Falls 7.5'

WELL OPERATOR J & J Enterprises, Inc. DESIGNATED AGENT H.L. Barnett
Address Box 48 Address Box 48
Buckhannon, WV 26201 Buckhannon, WV 26201

PERMITTED WORK: Drill / Convert / Drill deeper / Redrill / Fracture or stimulate
Plug off old formation / Perforate new formation
Other physical change in well (specify) _____

PERMIT ISSUED ON 10/6, 1980, OIL & GAS INSPECTOR FOR THIS WORK:
(IF APPLICABLE: PLUGGING OF DRY HOLE OR CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED) Name Phillip L. Tracy
Address Rt. # 3
Alma, WV 26320

GEOLOGICAL TARGET FORMATION: Alexander Depth 5690-5801 feet
Depth of completed well, 5954 feet Rotary / Cable Tools
Water strata depth: Fresh, 410 feet; salt, None feet.
Coal seam depths: 395-410 Is coal being mined in the area? NO
Work was commenced 10/27, 1980, and completed 11/4, 1980

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS				FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft	New	Used	For drilling		
Conductor	11 3/4	4H-40	42	x		32	0	0 sks. Kinds
Fresh water	8 5/8	ERW	23	x		1818	1818	440 sks.
Coal	8 5/8	ERW	23	x		1818	1818	440 sks. Sizes
Intermediate								
Production	4 1/2	J-55	10.5	x		5903	5903	125 sks. Decade sec
Tubing								
Liners								Perforations: Top Bottom
								5690 5801

RECEIVED
JAN - 8 1981

OIL & GAS DIVISION
DEPT. OF MINES
OPEN FLOW DATA
Producing formation Devonian Shale Pay zone depth 5694-5801 feet
Gas: Initial open flow, _____ McF/d Oil: Initial open flow, _____ Bbl/d
Final open flow, 14 McF/d Final open flow, _____ Bbl/d
Time of open flow between initial and final tests, 96 hours
Static rock pressure, 1625 psig (surface measurement) after 4 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 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)

FEB 23 1981

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

Devonian Shale: Perforations: 5690-5801 (15 holes)
 Fracturing: 300 sks. 80/100 mesh sand: 300 sks. 20/40 mesh sand:
 100 gal. super foam foaming agent: 500 gal. Acid.

Well 103

FORMATION	Color	Hard or Soft	27		REMARKS Including indication of all fresh and salt water, coal, oil and gas
			Top Feet	Bottom Feet	
Top Soil			0	40	
Shale & sand			40	280	3/4" stream @ 410'
Sand			280	395	
Coal			395	410	Gas ck. @ 2718 No show
Shale			410	480	
Sand & shale			480	520	Gas ck. @ 4754 No show
Sand & shale			520	865	Gas ck. @ 5153 No show
Shale & sand			865	1200	
Sand & shale			1200	1515	Gas ck @ 5615 No show
Shale			1515	1610	
Big Lime			1610	1715	
Injun Sand			1715	1810	Gas ck @ 5950 No show
Sand & shale			1810	2080	
Sand & shale			2080	2590	
Shale & sand			2590	3350	
Sand & shale			3350	4350	
Sand & shale			4350	4705	
Shale			4705	4770	
Sand & shale			4770	4960	
Sandy shale			4960	5000	
Shaly sand			5000	5160	
Sand & shale			5160	5460	
Sand, Benson, shale			5490	5550	
Sand			5550	5690	
Devonian Shale			5690	5801	
Sand <i>ALEX</i>			5801	5926T.D.	

(Attach separate sheets to complete as necessary.)

J & J Enterprises, Inc.

Well Operator

By

Peter Battles
Peter Battles
Geologist

Its

NOTE: Regulation 2.22(f) 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."

[08-78]

OIL AND GAS WELL PERMIT APPLICATION

Operator's Well No. J-359

API Well No. 47 - 095 0871
State County Per

WELL TYPE: Oil / Gas X /
(If "Gas", Production X / Underground storage / Deep / Shallow X /)
LOCATION: Elevation: 780 Watershed: Elk Fork
District: Ellsworth County: Tyler Quadrangle: Porters Falls 7.5'

WELL OPERATOR J & J Enterprises Inc.
Address P.O. Box 48
Buckhannon, WV 26201

DESIGNATED AGENT H. L. Barnett
Address P.O. Box 48
Buckhannon, WV 26201

OIL & GAS ROYALTY OWNER James F. & Wilma E. Doan
Address Star Rt. Box 19A
Middlebourne, WV 26149
Acreage 25

COAL OPERATOR
Address

SURFACE OWNER J. Maurice Carlisle / D. Ralph Thacker
Address Canada Hill Rd.
Myersville, MD 21773
Acreage 25

COAL OWNER(S) WITH DECLARATION ON RECORD:
Name James F. & Wilma E. Doan
Address Star Rt. Box 19A
Middlebourne, WV 26149

FIELD SALE (IF MADE) TO:
Name
Address

Name
Address

OIL & GAS INSPECTOR TO BE NOTIFIED
Name Phillip L. Tracy
Address RT. #3
Alma, WV 26320

COAL LESSEE WITH DECLARATION ON RECORD:
Name
Address
RECEIVED
OCT - 6 1980

OIL & GAS DIVISION
DEPT. OF MINES

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed / lease X / other contract / dated Sept. 22, 1980, to the undersigned well operator from James F. & Wilma E. Doan

[If said deed, lease, or other contract has been recorded:]
Recorded on Sept. 23, 1980 in the office of the Clerk of the County Commission of Tyler County, West Virginia, in oil & gas lease Book 226 at page 469. A permit is requested as follows:

PROPOSED WORK: Drill X / Drill deeper / Redrill / Fracture or stimulate X /
Plug off old formation / Perforate new formation /
Other physical change in well (specify)

Explained as shown on the work order on the reverse side hereof.

The above named well operator, coal owner(s), and coal lessee are hereby notified that any objections they wish to make or are required to make by Code § 22-4-3 must be filed with the Department of Mines within fifteen (15) days after the receipt of this Application by the Department.

Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessee on or before the day of the mailing or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:
WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION
1616 WASHINGTON STREET EAST
CHARLESTON, WV 25311
TELEPHONE: (304) 345-3092

BLANKET BOND

J & J Enterprises Inc.
Well Operator
By Peter Battles
Peter Battles

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY: ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING CONTRACTOR (IF KNOWN) S. W. Jack Drilling Co. Address P. O. Box 48 Buckhannon, WV 26201

GEOLOGICAL TARGET FORMATION, Alexander

Estimated depth of completed well, 5400 feet Rotary X / Cable tools / Approximate water strata depths: Fresh, 100 feet; salt, none feet. Approximate coal seam depths: none Is coal being mined in the area: Yes / No X

CASING AND TUBING PROGRAM

Table with columns: CASING OR TUBING TYPE, SPECIFICATIONS (Size, Grade, Weight per ft, New, Used), FOOTAGE INTERVALS (For drilling, Left in well), CEMENT FILL-UP OR SACKS (Cubic feet), PACKERS (Kinds, Sizes, Depths set, Perforations: Top, Bottom)

NOTE: Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code § 22-4-2, (iii) Form IV-9, "Reclamation Plan", applicable to the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code § 22-4-12a, and (v) if applicable, the consent required by Code § 22-4-8a from the owner of any water well or dwelling within 200 feet of the proposed well.

A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and 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 6-22-81

Deputy Director - Oil & Gas Division

The undersigned coal operator and by any coal owner or coal lessee who has recorded a declaration under Code § 22-4-20, if the permit is to be posted within fifteen (15) days of receipt thereof:

W A I V E R

The undersigned coal operator / owner / lessee / of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: . 19

By Its

FORM IV-38
[08-78]

Date: Sept. 21, 19 82

Operator's Well No. J-359
API Well No. 47 - 095 - 871
State County Permit

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

AFFIDAVIT OF PLUGGING AND FILLING WELL

WELL TYPE: Oil / Gas / Liquid Injection / Waste Disposal /
(If "Gas", Production / Underground storage / Deep / Shallow /
LOCATION: Elevation: 780 Watershed: Elk Fork
District: Ellsworth County: Tyler Quadrangle: Porters Falls 7.5'

WELL OPERATOR J&J Enterprises, Inc.
Address P.O. Box 48
Buckhannon, WV 26201

DESIGNATED AGENT Richard M. Reddecliff
Address P.O. Box 48
Buckhannon, WV 26201

STATE OF WEST VIRGINIA,)
COUNTY OF Upshur) SS:

Daniel F. Stark and Jerry Legg

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; that they were employed by J&J Enterprises, Inc. the well operator, and participated in the work of plugging and filling the above well; that the work was commenced on 10/27, 19 80, and completed on 11/2 9/17, 19 82, in the following manner:

PERMITTED WORK: Plug and abandon / Clean out and replug /

PLUGGING MATERIALS

Type of Cement	Other Materials	Depth	Thickness
Class A	6% Gel	5040-4600	440'
		4600-4400	200'
Class A	6% Gel	4400-2000	2400'
		2000-1850	150'
Class A	6% Gel	1850-50	1800'
		50-0	50'

Bridge Plugs Used--Type and Depth

Halliburton @ 5140'

VENT PIPE

MISCELLANEOUS MATERIALS

CASING LOST 4 1/2" 1303'

TYPE OF RIG:

Owner: Well Op'r / Contractor /

Rig time: 1 days plus 8 hours

COAL SEAMS (NAMES AND DEPTHS):

DESCRIPTION OF WELL MONUMENT

RECEIVED

SEP 24 1982

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

Daniel F. Stark (SEAL)
Jerry Legg (SEAL)

Subscribed and sworn to before me this

23rd day of September, 19 82.

My commission expires 10-16-89, 19 .

Frank S. Caspell
Notary Public

TYLER 871