

Plot Card (5/18/83)

2250'

LATITUDE 39° 20' 00"

0.52
0.585
2.78W
2.65W

DAVIS



15'



LONGITUDE 80° 37' 30"

2760'

FORD

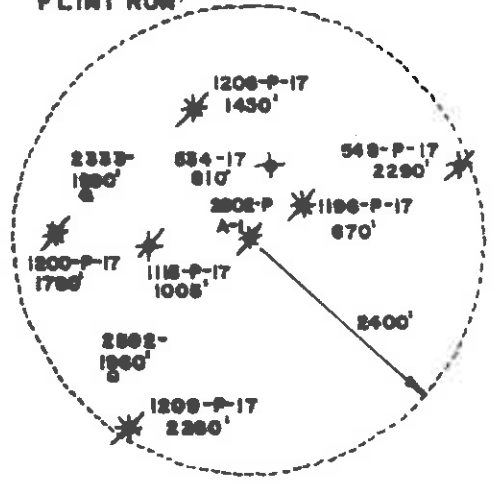
MARGUERITE F. LONG

DAVIS

ASH

FULTZ

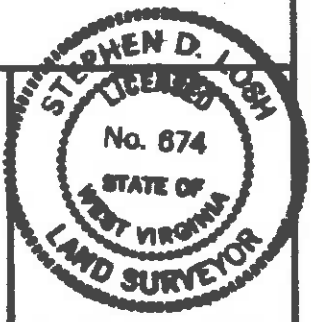
TO FLINT RUN



PREPARED BY:
LAND SURVEYING SERVICES
RT. 2, BOX 213E
JANE LEW, WV 26378
PHONE: 304-745-4426

FILE NO. _____
DRAWING NO. _____
SCALE 1" = 400'
MINIMUM DEGREE OF ACCURACY 1 in 200
PROVEN SOURCE OF ELEVATION EXIST. WELL NO. 1206-P
ELEV. - 1197'

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) Stephen D. Losh
R.P.E. _____ L.L.S. 674
STEPHEN D. LOSH



PLACE SEAL HERE

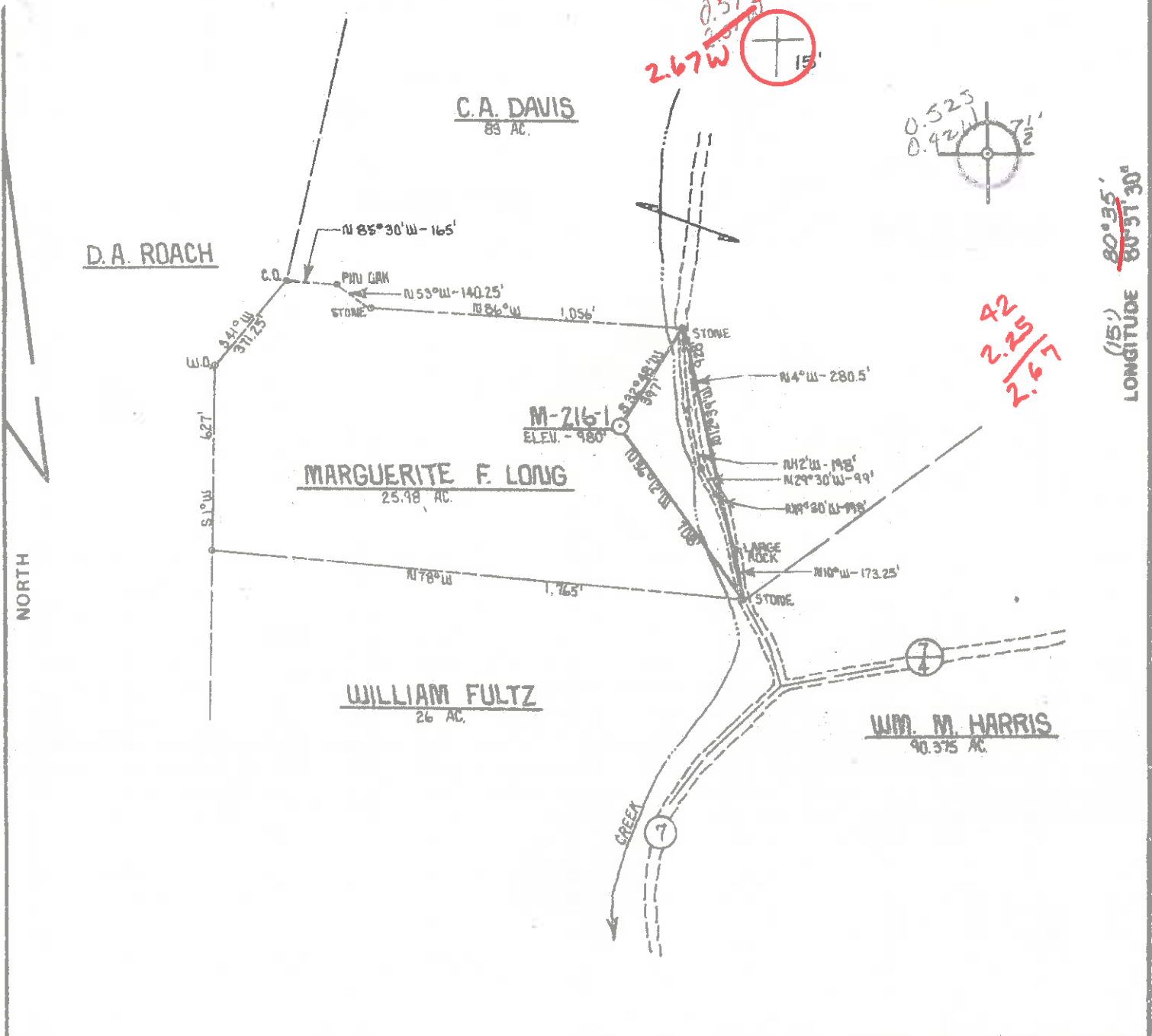
STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION



DATE JUNE 28, 19 83
OPERATOR'S WELL NO. A-1
API WELL NO. 47-017-2602-Rel
STATE COUNTY PERMIT

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS,") PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW X
LOCATION: ELEVATION 990' WATER SHED FLINT RUN
DISTRICT OSMT COUNTY DODDER
QUADRANGLE SMITHBURG 7.5 min. Centerpoint 15' SC
SURFACE OWNER MARGUERITE LONG ACREAGE 25.98
OIL & GAS ROYALTY OWNER MARGUERITE LONG LEASE ACREAGE 25.98
LEASE NO. M215
PROPOSED WORK: DRILL ___ CONVERT ___ DRILL DEEPER ___ REDRILL X FRACTURE OR STIMULATE X PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION X OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____
PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
TARGET FORMATION SEVEN ESTIMATED DEPTH 5800'
WELL OPERATOR ARVL OIL COMPANY, INC. DESIGNATED AGENT JUSTIN L. BENDERSON
ADDRESS P.O. BOX 2586 ADDRESS 258 CARR AVE.
CLARKSBURG, WV 26301 CLARKSBURG, WV 26301

AUG 15 1983



FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1 PART IN 200
 PROVEN SOURCE OF ELEVATION INT. RT. 3 & 3/5
 ELEV - 874'

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



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



DATE FEBRUARY 1, 1980
 OPERATOR'S WELL NO. M-216-1
 API WELL NO. 47-017-2602-P
 STATE COUNTY PERMIT

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 980' WATER SHED FLINT RUN
 DISTRICT GRANT COUNTY DODDRIDGE
 QUADRANGLE SMITHBURG 7.5', CENTERPOINT 5C
 SURFACE OWNER MARGUERITE F. LONG ACREAGE 25.98
 OIL & GAS ROYALTY OWNER MARGUERITE F. LONG LEASE ACREAGE 25.98
 LEASE NO. M-216
 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 5,150'
 WELL OPERATOR J. & J. ENTERPRISES, INC. DESIGNATED AGENT HARRY BARNETT
 ADDRESS P.O. BOX 48 BUCKHANNON, W. VA. 26201 ADDRESS P.O. BOX 48 BUCKHANNON, W. VA. 26201

LATITUDE 39°20'00"

0.575
2.49 W



LONGITUDE 80°51'30"

C.A. DAVIS
89 AC.

D.A. ROACH

39 19 30
80 37 50

MARGUERITE F. LONG
25.98 AC.

WILLIAM FULTZ
26 AC.

W.M. HARRIS
90.575 AC.

NORTH

FILE NO. _____
DRAWING NO. _____
SCALE 1" = 500'
MINIMUM DEGREE OF ACCURACY 1 PART IN 200
PROVEN SOURCE OF ELEVATION INT. RT. 3 & 3/5
ELEV. - 874'

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

PLACE SEAL HERE

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



DATE FEBRUARY 1, 19 80
OPERATOR'S WELL NO. M-216-1
API WELL NO. 47 - 017 - 2602
STATE COUNTY PERMIT

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 980' WATER SHED FLINT RUN
DISTRICT GRANT COUNTY DODDRIDGE
QUADRANGLE SMITHBURG 7.5', CENTER POINT SC
SURFACE OWNER MARGUERITE F. LONG ACREAGE 25.98
OIL & GAS ROYALTY OWNER MARGUERITE F. LONG LEASE ACREAGE 25.98
LEASE NO. M-216

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 5.150'
WELL OPERATOR J & J ENTERPRISES, INC. DESIGNATED AGENT HARRY BARNETT
ADDRESS P.O. BOX 48 ADDRESS P.O. BOX 48
BUCKHANNON, W. VA. 26201 BUCKHANNON, W. VA. 26201

H. T. HALL

G-D SMITHTON FLINT-SEDALIA 99

MAR 5 1980

RECEIVED

SEP 19 1983



IV-35 (Rev 8-81)

OIL & GAS DIVISION

Date 9-15-83

RECEIVED

OCT 25 1983

DEPT. OF MINING State of West Virginia Department of Mines Oil and Gas Division

Operator's Well No. A-1 Farm Marguerite Long API No. 47-017-2602RED

WELL OPERATOR'S REPORT

OIL & GAS DIVISION OF DEPT. OF MINING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

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

LOCATION: Elevation: 980 Watershed Flint Run District: Grant County Doddridge Quadrangle Smithburg 7.5

COMPANY Anvil Oil Co., Inc. ADDRESS P.O. Box 2566 DESIGNATED AGENT Justin L. Henderson ADDRESS 253 Carr Ave., Clarksburg, W.Va. 26301 SURFACE OWNER Marguerite Long ADDRESS Rt 2, Salem, W.Va. 26426 MINERAL RIGHTS OWNER Marguerite Long ADDRESS Rt. 2, Salem, W.Va. 26426 OIL AND GAS INSPECTOR FOR THIS WORK S. Casey ADDRESS PERMIT ISSUED 8/5/83 DRILLING COMMENCED 8/11/83 DRILLING COMPLETED 8/13/83

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

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

GEOLOGICAL TARGET FORMATION Benson Depth 5200 feet Depth of completed well 2993.65 feet Rotary X / Cable Tools Water strata depth: Fresh 53/283 feet; Salt 1455 feet Coal seam depths: 273-283/ 543-549 Is coal being mined in the area? no

OPEN FLOW DATA

Producing formation 5th sand (commingled) Pay zone depth 2910-2915 feet Gas: Initial open flow -0- Mcf/d Oil: Initial open flow -0- Bbl/d Final open flow 223 (commingled) Mcf/d Final open flow -0- Bbl/d Time of open flow between initial and final tests 4 hours Static rock pressure 375 psig (surface measurement) after 48 hours shut in (If applicable due to multiple completion--)

(Continue on reverse side)

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

1st stg: 5th & 4th Sands: Perf 2912-2914; 2720-2722; 2694-2696 (12 holes)

Acid: 500 gallons
Sand laden fluid: 450 bbl.
Sand: 21,000 lbs. 20/40

2nd stg: Gordon, Gantz & Berea: Perf 2579-2583; 2493-2495; 2375-2377 (16 holes)

Acid: 500 gallons
Sand laden fluid: 510 bbl.
Sand: 30,000 lbs 20/40

3rd Stg: Injun

Perf: 1910-1914 (15holes)
Acid: 1,000 gallons
Sand laden fluid: 542 bbl.
Sand: 34,000 lbs. 20/40

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
			SEE ATTACHED		

(Attach separate sheets as necessary)

Anvil Oil Co., Inc.

Well Operator

By: Jim M. Hendrix

Date: 9-15-83

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."

FORMATION	Color	Hard or Soft	Top Feet	Bottom Feet	Including indication of all fresh and salt water, coal, oil and gas
Sand & Shale			0	5	
Coal			5	8	
Sand & Shale			8	20	
Shale & Red Rock			20	50	
Sand			50	55	
Shale & Red Rock			55	82	
Sand & Shale			82	140	
Red Rock			140	150	
Sand			150	173	
Red Rock & Shale			173	180	
Sand & Shale			180	258	
RED Rock			258	261	
Shale & Red Rock			261	273	
Coal			273	283	
Sand & Shale			283	543	
Coal			543	549	
Sand & Shale			549	600	
Shale & Red Rock			600	610	
Sand & Shale			610	659	
Red Rock			659	663	
Sand & Shale			663	705	
Sand			705	785	
Shale & Red Rock			785	810	
Sand & Shale			810	870	
Shale & Red Rock			870	876	
Sand & Shale			876	895	
Shale & Red Rock			895	900	
Sand & Shale			900	995	
Sand			995	1030	
Sand & Shale			1030	1060	
Sand			1060	1125	
Sand & Shale			1125	1190	
Sand			1190	1200	
Sand & Shale			1200	1445	
Sand			1445	1585	
Shale			1585	1600	
Sand			1600	1670	
Shale			1670	1745	
Sand & Shale			1745	1804	

Big Lime			1804	1910	
Big Injun			1910	2020	<u>BIG INJUN</u> 12
Shale			2020	2100	
Sand			2100	2290	<u>WEIR</u>
Shale			2290	2350	
Sand			2350	2380	<u>BEREA</u>
Shaly Sand			2380	2490	
Sand			2490	2500	<u>GAATZ</u>
Shale			2500	2560	
Sand			2560	2590	<u>GORDON</u>
Sandy Shale			2590	2915	<u>BEREA</u> ?
Shale			2915	2993	

TD.
2994 5th sand @TD.

Attachment to Form IV-35, Anvil Oil Co., Inc.
Marguerite Long (A-1)
47-017-2602RED

NOV 07 1983

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

Date March 17, 1980

Operator's Well No. J-104

API Well No. 47 - 017 - 2602
State County Permit

FORM IV-35
(Obverse)

[08-78]

WELL OPERATOR'S REPORT (2)
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: 980' Watershed: Flint Run
District: Grant County: Doddridge Quadrangle: Smithburg 7.5

WELL OPERATOR J & J Enterprises, Inc. DESIGNATED AGENT H.L. Barnett
Address P.O. Box 48 Address P.O. 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) _____
MAR 19 1980

PERMIT ISSUED ON 2-5, 1980

OIL & GAS DIVISION
OIL & GAS INSPECTOR Paul Garrett
Name Paul Garrett
Address 321 Beech ST.
Clarksburg, WV 26301

IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED
3-15, 1980

GEOLOGICAL TARGET FORMATION: Alexander Depth: _____ feet
Depth of completed well, 5509 feet Rotary / Cable Tool
Water strata depth: Fresh 53,690 feet; salt, 1455 feet.
Coal seam depths 5-8, 273-283, 543-549 Is coal being mined in the area? No
Work was commenced 3-8, 1980, and completed 3-14, 1980.

LOGGING AND TUBING PROGRAM

LOGGING 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	H-40	42	x		44	0	Minds None
Fresh water	8 5/8	ERW	23	x		1287.55	1287.55	320 sks
Oil	8 5/8	ERW	23	x		1287.55	1287.55	320 sks
Intermediate								Sizes
Production	4 1/2	J-55	10.5	x		0	0	Depth set
Stringers								Perforated as:
								Bottom

OPEN FLOW DATA

Producing formation None 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

[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

APR 9 1980

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

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 & Shale			0	5	
Coal			5	8	Coal
Sand & Shale			8	20	
Shale & Red Rock			20	50	
Sand			50	55	
Shale & Red Rock			55	82	1/2" stream @ 53'
Sand & Shale			82	140	
Red Rock			140	150	
Sand			150	173	
Red Rock & Shale			173	180	
Sand & Shale			180	258	
RED Rock			258	261	
Shale & Red Rock			261	273	
Coal			273	283	
Sand & Shale			283	543	
Coal			543	549	
Sand & Shale			549	600	
Shale & Red Rock			600	610	
Sand & Shale			610	659	
Red Rock			659	663	
Sand & Shale			663	705	Damp @ 690'
Sand			705	785	
Shale & Red Rock			785	810	
Sand & Shale			810	870	
Shale & Red Rock			870	876	
Sand & Shale			876	895	
Shale & Red Rock			895	900	
Sand & Shale			900	995	
Sand			995	1030	
Sand & Shale			1030	1060	
Sand			1060	1125	
Sand & Shale			1125	1190	
Sand			1190	1200	
Sand & Shale			1200	1445	
Sand			1445	1585	
Shale			1585	1600	
Sand			1600	1670	
Shale			1670	1745	
Sand & Shale			1745	1804	

(Attach separate sheets to complete as necessary.)

Well Operator J & J ENTERPRISES, INC.

By Peter Battles
Peter Battles
Geologist

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."

Big Lime	-1804	1910
Big Injun	1910	2020
Shale	2020	2100
Sand	2100	2290
Shale	2290	2350
Sand	-2350	2380
Shaly Sand	2380	2490
Sand	2490	2500
Shale	2500	2560
Sand	2560	2590
Sandy Shale	2590	2900
Shale	3900	3230
Sand	3230	3530
Shaly Sand	3530	3650
Shale	3650	4100
Shaly Sand	4100	4150
Shale	4150	4500
Sand	4500	4510
Shale	4510	4648
Sand		4730
Shaly Sand	4648	4900
Sand	4730	4910
Shaly Sand	-4900	5100
Sand	4910	5110
Shale	5100	5170
Shaly Sand	5110	5400
Shale <i>ALEX</i>	5170	T.D.
	5400	

12

[08-78]

OIL AND GAS WELL PERMIT APPLICATION

Operator's Well No. M-216-#1
API Well No. 47-017-2602
State County Permit

WELL TYPE: Oil ___ / Gas X /
(If "Gas", Production X / Underground storage ___ / Deep ___ / Shallow X /)

LOCATION: Elevation: 980 Watershed: Flint Run
District: Grant County: Doddridge Quadrangle: Smithburg 7.5

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

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

OIL & GAS ROYALTY OWNER Margaret Long
Address Route 2
Salem, W. Va. 26426
Acreage 25.4

COAL OPERATOR None
Address

SURFACE OWNER Margaret Long
Address Route 2
Salem, W. Va. 26426
Acreage 25.4

COAL OWNER(S) WITH DECLARATION ON RECORD:
Name Consolidated Coal Corp.
Address Morgantown
West Virginia
Name
Address

FIELD SALE (IF MADE) TO:
Name
Address

COAL LESSEE WITH DECLARATION ON RECORD:
Name None
Address

OIL & GAS INSPECTOR TO BE NOTIFIED
Name Paul Garrett
Address 321 Beech Street
Clarksburg, W. Va. 26301

RECEIVED
FEB - 5 1980

OIL & GAS DIVISION
DEPT. OF MINES

The undersigned well operator is entitled to operate for oil and gas purposes at the above location under a deed ___ / lease X / other contract ___ / dated May 24, 1979, to the undersigned well operator from Margaret Long

[If said deed, lease, or other contract has been recorded:]

Recorded on September 10, 1979, in the office of the Clerk of the County Commission of Doddridge County, West Virginia, in Oil & Gas Lease Book 110 at page 450. A permit is requested as follows:

PROPOSED WORK: Drill X / Drill deeper ___ / Redrill ___ / Fracture or stimulate X /
Install sand completion ___ / Perforate new formation ___ /
Other physical change in well (specify) _____

--- (blanket bond) --- of work on the work order on the reverse side hereof.

The undersigned well operator, coal owner(s), and coal lessee are hereby notified that any other permits or orders to be made or 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
1014 WASHINGTON STREET EAST
CHARLESTON, WV 25311
TELEPHONE: (304) 348-3092

J & J ENTERPRISES, INC.
Well Operator

BLANKET BOND

By Peter Battles
Its Geologist
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, W. Va. 26201

GEOLOGICAL TARGET FORMATION, Alexander

Estimated depth of completed well, 5600 feet Rotary X / Cable tools /
Approximate water strata depths: Fresh, 200 feet; salt, 2000 feet.
Approximate coal seam depths: 200;400 Is coal being mined in the area? Yes / No X /

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	Left in well		Kinds	None
Conductor	11 3/4	H-40	42	X		30	30	0 sks.		None
Fresh water	8 5/8	ERW	23	X		1300	1300	280 sks.		
Coal	8 5/8	ERW	23	X		1300	1300	280 sks.	Sizes	
Intermediate										
Production	4 1/2	J-55	10.5	X		5500	5500	300 sks.	Depths set	
Tubing										
Liners									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 production is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.

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 10-19-80.


Deputy Director - Oil & Gas Division

This permit must be posted at the well site. The coal operator and by any coal owner or coal lessee who has received a declaration under Code § 22-4-20, if the permit is to be used 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

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: 980 Watershed: Flint Run
District: Grant County: Doddridge Quadrangle: Smithburg 7.5

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

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

Jerry Johnson and H.L. Barnett

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 3-8, 19 80, and completed on 3-14, 19 80, in the following manner:

PERMITTED WORK: Plug and abandon / Clean out and replug

PLUGGING MATERIALS

Type of Cement	Other Materials	Depth	Thickness
	Gel	5000 - 5009	509
Standard Class A		5000 - 4790	210
	Gel	4790 - 2750	2040
Standard Class A		2750 - 2400	350
	Gel	2400 - 2020	380
Class A		2020 - 1820	200

Bridge Plugs Used--Type and Depth

COAL SEAMS (NAMES AND DEPTHS)
None

DESCRIPTION OF WELL MONUMENT

VENT PIPE

MISCELLANEOUS MATERIALS

CASING LOST 8 5/8 - 1287.5

TYPE OF RIG: Rotary
Owner: Well Op'r / Contractor
Rig time: 6 days plus hours

[Handwritten signatures and stamps]

Subscribed and sworn to before me this
18 day of March, 19 80

My commission expires October 16, 19 89

[Handwritten signature]
Notary Public



1) Date: June 29, 1983
 2) Operator's Well No. 1000-1-1
 3) API Well No. 47 017 2602-REV
 State West Virginia County Putnam Permit 2602-REV

DRILLING CONTRACTOR:
UNKNOWN

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

OIL AND GAS WELL PERMIT APPLICATION

- 4) WELL TYPE: A Oil / Gas X /
 B (If "Gas", Production X / Underground storage / Deep / Shallow X /)
- 5) LOCATION: Elevation: 980' Watershed: Clint Run
 District: Grant County: Putnam Quadrangle: Northburg 2.5'
- 6) WELL OPERATOR Smith Oil Co., Inc. 11) DESIGNATED AGENT Justin Henderson
 Address P. O. Box 2506 Address 253 Carr Ave.
Clarksburg, WV 26301 Clarksburg, WV 26301
- 7) OIL & GAS ROYALTY OWNER Marguerite Long 12) COAL OPERATOR N/A
 Address Rt. 2 Address
Salem, WV 26426
- 8) SURFACE OWNER Marguerite Long 13) COAL OWNER(S) WITH DECLARATION ON RECORD:
 Address Rt. 2 Name Consolidated Coal Co.
Salem, WV 26426 Address Consol Plaza
25.9 Pittsburgh, PA 15201
- 9) FIELD SALE (IF MADE) TO:
 Address
- 10) OIL & GAS INSPECTOR TO BE NOTIFIED
 Name Paul Garrett
 Address 321 Union St.
Clarksburg, WV 26301

- 15) PROPOSED WORK: Drill / Drill deeper / Redrill X / Fracture or stimulate X /
 Plug off old formation / Perforate new formation X /
 Other physical change in well (specify)
- 16) GEOLOGICAL TARGET FORMATION, Benson
- 17) Estimated depth of completed well, 5200 feet
 18) Approximate water strata depths: Fresh, 53-690 feet; salt, 2455 feet.
 19) Approximate coal seam depths: 5-273-243 feet Is coal being mined in the area? Yes / No X

20) 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	Left in well		
Conductor	8 5/8								Kinds
Fresh water									
Coal									Sizes
Intermediate	8 5/8	1080	23	X		1287.55	1287.55		
Production	4 1/2	J-55	9.5	X		5200	5200	550 sacks	Depths set
Tubing									
Liners									Perforations: Top Bottom

- 21) EXTRACTION RIGHTS
 Check and provide one of the following:
 Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil or gas.
 The requirement of Code 22-4-1-(c) (1) through (4). (See reverse side for specifics.)
- 22) ROYALTY PROVISIONS
 Is the right to extract, produce or market the oil or gas based upon a lease or other continuing contract or contracts providing for flat well royalty or any similar provision for compensation to the owner of the oil or gas in place which is not inherently related to the volume of oil or gas so extracted, produced or marketed? Yes No
- If the answer above is No, nothing additional is needed. If the answer is Yes, you may use Affidavit Form IV-60.
- 23) Required Copies (See reverse side.)
- 24) 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.

Notary: Signed: Justin Henderson
 My Commission Expires Its: Designated Agent

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-017-0142-000 Date August 31 1983

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. 10) 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.)

Permit expires August 31, 1983 unless drilling is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Casing	Fee
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>

Administrator, Office of Oil and Gas

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

Line Item Explanation

- 1) Date of Application
- 2) Your well name and number
- 3) To be filled out by office of oil & gas
- 4A) "Oil" means natural crude oil or petroleum and other hydrocarbons, regardless of gravity, which are produced at the well in liquid form by ordinary production methods and which are not the result of condensation of gas after it leaves underground reservoirs: "Gas" means all natural gas and all other fluid hydrocarbons not defined as oil.
- 4B) "Shallow well" means any well drilled and completed in a formation above the top of the uppermost member of the "Onondaga Group" or a depth less than six thousand feet, whichever is shallower.
"Deep well" means any well drilled and completed in a formation at or below the top of the uppermost member of the "Onondaga Group" or at a depth less than six thousand feet, whatever is shallower.
- 5) Where well is located
- 6) Before a permit can be issued in a corporation, company partnership, or fictitious name, the name must be registered with the Secretary of State Office
- 7) Use separate sheet if necessary
- 8) Present surface owner at time application is filed.
- 9) Optional
- 11) See Reg. 7.01 relating to code §22-4-1k
- 12) "Coal Operator" means any persons, firm, partnership, partnership association or corporation that proposes to or does operate a coal mine. See Note 24
- 13 & 14) As per §22-4-20; See Note 24
- 15) Work that will be attempted—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 is noted as such on the Form IV-2 filed in connection therewith.
- 16) Anticipated formation for which well will be completed
- 17) Self explanatory
- 18) Depth to deepest freshwater, and shallowest salt water, taken from nearby wells corrected for differences in elevation
- 19) All coal seam depths
- 20) Proposed casing program and cementing refer to Code 22-4-5, 22-4-6, 22-4-7, 22-4-8, 22-4-8a Reg 9.01, 15.01, 15.02, 15.03, 15.04, 25.01, 25.02, 25.03, 25.04
- 21) Code 22-4-11(c) - In lieu of filing the lease or leases or other continuing contract or contracts, the applicant for a permit described herein may file the following:
 - (1) A brief description of the tract of land including the district and county wherein the tract is located;
 - (2) The identification of all parties to all leases or other continuing contractual agreements by which the right to extract, produce or market the oil or gas is claimed;
 - (3) The book and page number wherein each such lease or contract by which the right to extract, produce or market the oil or gas is recorded;
 - (4) A brief description of the royalty provisions of each such lease or contract.
- 22) Code 22-4-11(d) and 22-4-11(e).
- 23) 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.
- 24) The above named coal operator, coal owner(s), and coal lessee are hereby notified that any objection 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.

The following waiver must be completed by the 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 issued within fifteen (15) days of receipt thereof.

WAIVER

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 _____