



1.753
007W

39 13 30
80 45 05

LONGITUDE 80° 45' 00"

NORTH

TOP

FILE NO. DE 2-3
 DRAWING NO. _____
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1 IN 200
 PROVEN SOURCE OF ELEVATION ROADWAY INTERSECTION 1500' NW OF LOCATION. ELEV. 1251'

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) David L. Medley
 R.P.E. _____ L.L.S. 530

PLACE SEAL HERE

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



DATE MAY 9, 1980
 OPERATOR'S WELL NO. J-49
 API WELL NO. _____
47 - 017 - 2771
 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 1294' WATER SHED LICK RUN
 DISTRICT NEW MILTON COUNTY DODDRIDGE
 QUADRANGLE Oxford 7.5' Haverbrook 13' NE
 SURFACE OWNER DR. AARON SCHWARTZMAN ACREAGE 1333.8
 OIL & GAS ROYALTY OWNER PORTER MAXWELL HEIRS LEASE ACREAGE 1333.8
 LEASE NO. J-45-B
 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 5350'
 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

6-6 Straight Fork - Bluestone Creek (133)

JUL 28 1980

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

Date March 30, 19 81

FORM IV-35
(Obverse)

Consolidated

Operator's Well No. J-49

[08-78,

WELL OPERATOR'S REPORT

API Well No. 47 - 017 - 2771

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

State County Permit

WELL TYPE: Oil / Gas / Liquid Injection / Waste Disposal
(If "Gas", Production / Underground storage / Deep / Shallow
LOCATION: Elevation: 1294 Watershed: Lick Run
District: New Milton County: Doddridge Quadrangle: Oxford 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) _____

PERMIT ISSUED ON 6/13, 19 80

OIL & GAS INSPECTOR FOR THIS WORK:

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

Name Stephen Casey
Address Rt. # 2, Box 232-D
Jane Lew, WV 26378

GEOLOGICAL TARGET FORMATION: Alexander Depth 5245-5295 feet

Depth of completed well, 5457 feet. Rotary / Cable Tools

Water strata depth: Fresh, 228 feet; salt, 0 feet.

Coal seam depths: 0 Is coal being mined in the area? No

Work was commenced 2/13, 19 81, and completed 2/20, 19 81

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	11 3/4	H-40	42	x		32.25	32.25	0 sks.	Kinds
Fresh water	8 5/8	ERW	23	x		1368.45	1368.45	325 sks.	
Coal	8 5/8	ERW	23	x		1368.45	1368.45	325 sks.	Sizes
Intermediate									
Production	4 1/2	J-55	10.5	x		5384.58	5384.58	725 sks.	Depths set
Tubing									
Liners									Perforations:
									Top Bottom
									5251 5293
									4966 4970
									4269 4402
									3380 3394

OPEN FLOW DATA

Producing formation Alexander Pay zone depth 5251-5293 feet

Gas: Initial open flow, 696 Mcf/d Oil: Initial open flow, _____ Ebl/d

Combined Final open flow, _____ Mcf/d Final open flow, _____ Ebl/d

Time of open flow between initial and final tests, 4 hours

Static rock pressure, 1300 psig (surface measurement) after 96 hours shut in

[If applicable due to multiple completion--]

4966-4970 Ben.

Second producing formation Benson, Balltown, & Speechley Pay zone depth 3380-3394 feet

Gas: Initial open flow, _____ Mcf/d Oil: Initial open flow, _____ Ebl/d

Final open flow, _____ Mcf/d Final open flow, _____ Ebl/d

APR 13 1981

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

Alexander: Perforations: 5251-5293 (12 holes)
 Fracturing: 200 sks. 80/100 sand: 400 sks. 20/40 sand: 600 Bbls. fluid.

Benson: Perforations: 4966-70 (12 holes)
 Fracturing: 500 gal. Acid. 100 sks. 80/100 sand: 280 sks. 20/40 sand: 500 Bbls. fluid

Balltown: Perforations: 4269-4402 (12 holes)
 Fracturing: 1000 gal. Acid. 100 sks. 80/100 sand: 280 sks. 20/40 sand: 500 Bbls. fluid

Speechley: Perforations:

WELL LOG

FORMATION	Color	Hard or Soft	Top Feet	Bottom Feet	Remarks Including indication of all fresh and salt water, coal, oil and gas
Fill & shale			0	15	
Red rock & shale			15	35	1" stream @ 228'
Sand & shale			35	75	
Sand & shale			75	150	Gas ck @ 2145- 1/2" 44/10 w/water
Sand, shale & red rock			150	270	12,437 cu.ft.
Red rock			270	285	
Sand, shale & red rock			285	600	Gas ck @ 2360 44/10-1/2" w.water
Sand & shale			600	715	12,437 cu.ft.
Sand, shale & red rock			715	850	
Sand, shale & red rock			850	1030	Gas ck @ 2701 20/10-2" w/water
Red rock & shale			1030	1185	189,000 cu.ft.
Sand & shale			1185	1450	
Shale & sand			1450	1915	Gas ck @ 4778 80/10-1/2" w/water
Big Lime			1915	1990	16,839 cu.ft.
Injun			1990	2053	
Sand & shale			2053	3380	Gas ck @ 4994 114/10-1" w/water
Speechley			3380	3394	95,900 cu.ft.
Sand			3394	4269	
Balltown			4269	4402	
Sand & shale			4402	4955	
Benson			4955	4970	
Sand & shale			4970	5245	
Alexander			5245	5295	
Sand & shale			5295	5457 TD	

(Attach separate sheets to complete as necessary)

J & J Enterprises, Inc.

Well Operator

By *Peter Battles*
 Peter Battles
 Its 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."

[08-78]

OIL AND GAS WELL PERMIT APPLICATION

Operator's Well No. J-49

API Well No. 47 017 2771

State County Permi

WELL TYPE: Oil / Gas /
(If "Gas", Production / Underground storage / Deep / Shallow /
LOCATION: Elevation: 1294 Watershed: Lick Run
District: New Milton County: Doddridge Quadrangle: Oxford 7.5'

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

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

OIL & GAS ROYALTY OWNER Porter Maxwell Heirs
Address Box 2190
Clarksburg, WV 26301

COAL OPERATOR None
Address _____

ACREAGE 1333.8
SURFACE OWNER Dr. Aaron Schwartzman
Address 2007 Martin Luther King Ave.
Washington, D,C, 20070
ACREAGE 1333.8

COAL OWNER(S) WITH DECLARATION ON RECORD:
Name Aaron & Veatrice Schwartzman
Address 2007 Nichols Ave., S.E.
Washington, D,C, 20020

FIELD SALE (IF MADE) TO:
Name _____
Address _____

Name _____
Address _____

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

COAL LESSEE WITH DECLARATION ON RECORD:
Name None
Address _____

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed / lease / other contract / dated 10-24, 1979, to the undersigned well operator from Delmur Oil Company

[If said deed, lease, or other contract has been recorded:]
Recorded on 10-30, 1979, in the office of the Clerk of the County Commission of Doddridge County, West Virginia, in Oil & Gas lease Book 112 at page 337. A permit is requested as follows:

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

--planned as shown on the work order on the reverse side hereof.
The above named coal operator, coal owner(s), and coal lessee are hereby notified that any action they wish to make or are required to make by Code 5-2-2 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 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 PHYSICAL LOGS DIRECTLY TO:
WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION
WASHINGTON STREET EAST
CHARLESTON, WV 25311
PHONE: (304) 348-3092

RECEIVED
JUN 18 1980
OIL & GAS DIVISION
DEPT. OF MINES

J & J Enterprises, Inc.
Well Operator
By Daniel Stark
Daniel Stark
Geologist

BLANKET BOND

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 Company
Address Box 48
Buckhannon, WV 26201

GEOLOGICAL TARGET FORMATION, Alexander

Estimated depth of completed well, 5490 feet Rotary / Cable tools /
Approximate water strata depths: Fresh, 1000 feet; salt, 1600 feet.
Approximate coal seam depths: 450 Is coal being mined in the area? Yes / No

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	
Conductor	13/4	H-40	42	x		30	0	0 sks		None
Fresh water	85/8	ERW	23	x		1650	1650	415 sks		
Coal	85/8	ERW	23	x		1650	1650	415 sks	Sizes	
Intermediate										
Production	4 1/2	J-55	10.5	x		5480	5480	350 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 § 20-4-2, (iii) Form IV-9, "Reclamation Plan", applicable to the reclamation required by Code § 20-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code § 20-4-12a, and (v) if applicable, the consent required by Code § 20-4-8a from the owner of any water well or drilling within 200 feet of the proposed well.

THIS PERMIT MUST BE POSTED AT THE WELL SITE. 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.

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 3-2-81.

[Signature]
Deputy Director - Oil & Gas Division

The following waiver must be completed by the permittee and by any coal owner or coal lessee who has recorded a declaration under Code § 20-4-20, if the permit is to be issued within fifteen (15) days of recording 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 plan exists which covers the area of the well location, the well location has been added to the mine plan. 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 _____