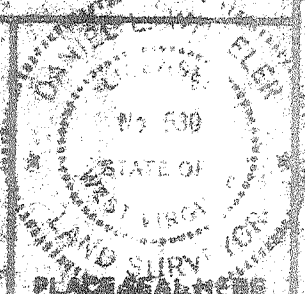


FILE NO. DE 2-3
 DRAWING NO. _____
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1 IN 200
 PROVEN SOURCE OF ELEVATION HIGH POINT OF ELEVATION 1300 NW OF LOCATION. Elev. - 1296'

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. Wampler*
 R.P.E. _____ L.L.S. 520



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



DATE MAY 9 1980
 OPERATOR'S WELL NO. J-45
 API WELL NO. _____
47 - 017 - 2769
 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 1204' WATER SHED LICK RUN
 DISTRICT NEW MILTON COUNTY DODD
 QUADRANGLE NEW MILTON T. 8 N. VADIS 15 NW
 SURFACE OWNER DR. AARON SCHWARTZMAN ACREAGE 1333.8
 OIL & GAS ROYALTY OWNER PORTER MARWELL HEARS LEASE ACREAGE 1333.8
 LEASE NO. 513-8
 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 ALEXANDER ESTIMATED DEPTH 5350'
 WELL OPERATOR J I 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

6-6 Porto Rico (134)

JUL 28 1980

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

Consolidated Date: March 13, 1981, 1981

FORM IV-35
(Obverse)

Operator's Well No. J-43

[08-78]

WELL OPERATOR'S REPORT 1
OF

API Well No. 47-017-2769
State County Permit

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: 1204 Watershed: Lick Run
District: New Milton County: Doddridge Quadrangle: New Milton 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, 1980 OIL & GAS INSPECTOR FOR THIS WORK:
(IF APPLICABLE: PLUGGING OF DRY HOLE ON 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 5220-5298 feet
Depth of completed well, 5427 feet. Rotary / Cable Tools
Water strata depth: Fresh, 1230 feet; salt, None feet.
Coal seam depths: None Is coal being mined in the area? No
Work was commenced 2/6, 1981, and completed 2/11, 1981

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		1581	1581	350 sks.	
Coal	8 5/8	ERW	23	x		1581	1581	350 sks.	Sizes
Intermediate									
Production	4 1/2	J-55	10.5	x		5376.65	5376.65	800 sks.	Deaths set
Tubing									
Liners									Perforations:
									Top Bottom
									5239 5298
									4865 4956
									3332 3428

RECEIVED
MAR 16 1981

OIL & GAS DIVISION
DEPT. OF MINES

OPEN FLOW DATA
Producing formation Alexander Pay zone depth 5239-98 feet
Gas: Initial open flow, _____ Mcf/d Oil: Initial open flow, _____ Bbl/d
Combined Final open flow, 1,443 Mcf/d Final open flow, _____ Bbl/d
Time of open flow between initial and final tests, 4 hours
Static rock pressure, 1275 psig (surface measurement) after 96 hours shut in.
[If applicable due to multiple completion--] 4865 - 4956
Second producing formation Benson & Riley & Speechley Pay zone depth 3332-3428 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.

MAR 23 1981

[08-78]

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

Alexander: Perforations: 5239-98 (12 holes)

Fracturing: 200 sks. 80/100 sand: 400 sks. 20/40 sand: 600Bbls. fluid.

Benson & Riley: 4865-4956 (11 holes)

Fracturing: 500 gal. Acid. ;50 sks. 80/100 sand: 350 sks. 20/40 sand:
500 Bbls. fluid.

Speechley: 3332-3428 (14 holes)

WELL LOG Fracturing: 500 gal. Acid:150 sks. 80/100 sand: 350 sks. 20/40 sand:500 Bbls. fluid.

FORMATION	Color	Hard or Soft	Top Feet	Bottom Feet	Remarks Including indication of all fresh and salt water, coal, oil and gas
Shale			0	30	
Sand, shale & red rock			30	136	Damp @ 175'
Sand, shale & red rock			136	318	
Red rock, shale & sand			318	575	Damp @ 495'
Sand & shale			575	625	
Sand, shale & red rock			625	740	Damp @ 1230
Red rock, sand & shale			740	780	
Red rock, sand & shale			780	820	Oil @ 1565
Red rock			820	834	
Sand, shale & red rock			834	975	Gas ck @ 2178' 16/10-1/2" w/water 7,530 cu.ft.
Sand & shale			975	1325	
White sand			1325	1365	
Sand & shale			1365	1420	Gas ck @ 2486 20/10-1/2" w/water 8,419 cu.ft.
Sand & shale			1420	1965	
Big Lime			1965	2007	
Big Injun			2007	2090	Gas ck @ 2690 20/10-1/2" w/water 8,419 cu.ft.
Sand & shale			2090	2468	
Berea			2468	2475	Gas ck @ 5055 16/10 1/2" w/water
Sand & shale			2475	2665	7,530 cu.ft.
Gordon			2665	2690	
Sand & shale			2690	3332	Gas ck @ 5365 16/10-1/2" w/water 7,530 cu.ft.
Speechley			3332	3428	
Sand & shale			3428	4865	
Benson & Riley			4865	4956	
Sand & shale			4956	5220	
Alexander			5220	5298	
Sand & shale			5298	5427 TD	

(Attach separate sheets to complete as necessary)

J & J Enterprises, Inc.

Well Operator

By

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-43 API Well No. 47 - 017 2769 State County Perm

WELL TYPE: Oil / Gas X (If "Gas", Production X / Undeground storage / Deep / Shallow X /) LOCATION: Elevation: 1204 Watershed: Lick Run District: New Milton County: Doddridge Quadrangle: New Milton 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, WV26201

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 St. 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 X / dated 10-24, 1979, to the undersigned well operator from Delmur Oil Company

of 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, Oil & Gas lease, 112 at page 337. 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)

--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 5-2-2-3 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 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:

RECEIVED JUN 18 1980

BLANKET BOND

VIRGINIA OIL AND GAS CONSERVATION COMMISSION WASHINGTON STREET EAST LEXINGTON, WV 25311

OIL & GAS DIVISION DEPT. OF MINES

J & J Enterprises, Inc. Well Operator

PHONE: (304) 348-3092

Daniel Stark Geologist

[08-78]

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 Cable tools
Approximate water strata depths: Fresh, 950 feet; salt, 1450 feet.
Approximate coal seam depths: 350 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
Conductor	1 1/4	H-40	42	x		30	0	0 sks	Kinds
Sh water	8 5/8	ERW	23	x		1500	1500	375 sks	
1	8 5/8	ERW	23	x		1500	1500	375 sks	Cines
Intermediate									
Production	4 1/2	J-55	10.5	x		5390	5390	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 § 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 drilling 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 3-2-81.

[Signature]

Deputy Director - Oil & Gas Division

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 § 22-4-12, if the permit is to be issued within fifteen (15) days of receipt hereof:

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 has existed 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