

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

Date May 22, 1981, 19__

FORM IV-35
(Obverse)

Operator's
Well No. J-52

[08-78,

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

API Well No. 47 017 2785
State County Peru

TYPE: Oil ___ / Gas X / Liquid Injection ___ / Waste Disposal ___
(If "Gas", Production X / Underground storage ___ / Deep ___ / Shallow X /)
Elevation: 1210 Watershed: Lick Run
District: New Milton County: Doddridge Quadrangle: Oxford

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

DESIGNATED AGENT Roger Rolston
Address P.O. Box 48
Buckhannon, WV 26201

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

PERMIT ISSUED ON 6/30, 19 80.

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 5171-5235 feet

Depth of completed well, 5439 feet Rotary X / Cable Tools ___

Water strata depth: Fresh, 543 feet; salt, 0 feet.

Coal seam depths: 15-17 Is coal being mined in the area? No

Work was commenced 3/2, 19 81, and completed 3/8, 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		32.50	32.50	0 sks.	Kinds
Fresh water	8 5/8	ERW	23	X		1385.91	1385.91	230 sks.	
Coal	8 5/8	ERW	23	X		1385.91	1385.91	230 sks.	Sizes
Intermediate									
Production	4 1/2	J-55	10.5	X		5314.63	5314.63		Depth set
Tubing									
Miners									Perforations:
									Top Bottom
									5171 5235 Alex
									4800 4890 Ben
									4197 4454 Ril
									3267 3373 WRRN

RECEIVED
MAY 26 1981

OIL & GAS DIVISION
DEPT. OF MINES

OPEN FLOW DATA
Producing formation Alexander Pay zone depth 5171-5235 Alex feet
Gas: Initial open flow, 984 Mcf/d Oil: Initial open flow, ___ Bbl/d
Combined Final open flow, ___ Mcf/d Final open flow, ___ Bbl/d
Time of open flow between initial and final tests, 4 hours
Static rock pressure, 1200 psig (surface measurement) after 96 hours shut in.
[If applicable due to multiple completion--]
Second producing formation Benson & Riley, Bradford & Warren Pay zone depth 3267 - 3373 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.

984 MCF

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[08-78]

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

Alexander; 5171-5235 (18 holes)

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

Benson & Riley; 4800 - 4890 (13 holes)

Fracturing; 150 sks. 80/100 sand; 450 sks. 20/40 sand; 500 gal. Acid; 600 Bbls. fluid.

Bradford; 4197-4454 (12 holes)

Fracturing; 100 sks. 80/100 sand; 350 sks. 20/40 sand; 300 lbs. Acid; 500 bbls. fluid.

Warren; 3267-3375 (18 holes)

Fracturing; 150 sks. 80/100 sand; 350 sks. 20/40 sand; 500 gal. Acid; 550 Bbls. fluid.

WELL LOG

FORMATION	Color	Hard or Soft	Top Feet	Bottom Feet	Remarks Including indication of all Green and salt water, coal, oil and gas
Fill & shale			0	15	
Coal			15	17	
Shale			17	25	
Sand & shale			25	35	
Shale			35	50	
Sand & shale			50	70	1" stream @ 70
Red rock & shale			70	115	
Red rock, sand & shale			115	185	
Red rock, sand & shale			185	230	
Red rock			185	230	
Red rock, sand & shale			230	265	
Red rock, sand & shale			265	350	
Red rock, sand & shale			350	405	
Sand			405	435	3/4" to 1" stream @ 543'
Sand, shale & red rock			435	540	
Sand & shale			540	635	Gas ck @ 2047-60/10 thru 1/2" w/water 14,590 cu.ft.
Red rock & shale			635	680	
Sand & shale			680	715	
Red rock & shale			715	730	Gas ck @ 5115-18/10-1/2" thru 1/2" w/water 8,208 cu.ft.
Sand			730	745	
Red rock & shale			745	770	
Sand & shale			770	790	Gas ck @ 5158'-36/10 thru 1/2" w/water 11,300 cu.ft.
Sand & shale			790	920	
Sand & shale			920	1055	
Sand & shale			1055	1070	Gas ck @ 5252-12/10 thru 1/2" w/water 6,521 cu.ft.
White sand			1070	1090	
Sand & shale			1090	1260	
Sand & shale			1260	1855	
Big Lime			1855	1930	
Big Injun			1930	2000	
Sand & shale			2000	3267	
Warren			3267	3375	
Sand & shale			3375	4197	
Bradford			4197	4454	

(Attach separate sheets as complete as necessary.)

J & J Enterprises, Inc.

Well Operator

By

Peter Battles

Is

Geologist

NOTE: Regulation 2.02(d) 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	REMARKS Including indication of sand, silt, clay, and salt water, etc.
Sand & shale			4454	4800	
Benson & Riley			4800	4890	
Sand & shale			4890	5171	
Alexander ✓			5171	5235	
Sand & shale			5235	5439 TD	

[08-78]

OIL AND GAS WELL PERMIT APPLICATION

Operator's Well No. J-52

API Well No. 47-017-2785
State County Permi

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

LOCATION: Elevation: 1210 Watershed: Lick Run
District: New Milton County: Doddridge Quadrangle: OXFORD

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 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

[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 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 obligation 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, Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:
WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION
1615 WASHINGTON STREET EAST
CHARLESTON, WV 25311
TELEPHONE: (304) 348-3092

RECEIVED
JUN 30 1980
OIL & GAS DIVISION
DEPT. OF MINES

J & J Enterprises, Inc.
Well Operator

Peter Battles
Peter Battles
Geologist

BLANKET BOND

Its

[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	113/4	4H-40	42	x		30	0	0 sks	Kinds
Fresh water	85/8	ERW	23	x		1500	1500	375 sks	
Coal	85/8	ERW	23	x		1500	1500	375 sks	Sizes
Intermediate									
Production Tubing	4 1/2	2J-55	10.5	x		5390	5390	350 sks	Depths set
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 fracturing or stimulation is a 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 3-7-81.

[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 § 22-4-20, if the permit is to be issued 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