



39 15 40
80 42 15

4.94
4.995
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0

FILE NO. _____
DRAWING NO. _____
SCALE 1" = 500'
MINIMUM DEGREE OF ACCURACY 1 PART IN 200
PROVEN SOURCE OF ELEVATION INT. RT. 18 AND RT. 40
ELEVATION 818'

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 JULY 24th 19 80
OPERATOR'S WELL-NO. J-358
API WELL NO. 47 - 017 - 2808
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 960' WATER SHED EIBSCAMP RUN
DISTRICT NEW MILTON COUNTY DODDRIDGE
QUADRANGLE SMITHBURG 7.5' CENTERPOINT 15' SW
SURFACE OWNER FLOSSIE POLANI ACREAGE 14 1/2 Ac.
OIL & GAS ROYALTY OWNER LENA WILLIS LEASE ACREAGE 14 1/2 Ac.
LEASE NO. N.S. 10
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 5160'
WELL OPERATOR J AND J ENTERPRISES INC. DESIGNATED AGENT HARRY BARNETT
ADDRESS P.D. BOX 48 BUCKHANNON WEST VIRGINIA 26201 ADDRESS P.D. BOX 48 BUCKHANNON WEST VIRGINIA 26201

Carnegie

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

Date January 7, 1981

FORM IV-35
(Obverse)

Operator's Well No. J-358

[08-78]

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

API Well No. 47 - 017 - 2808
State County Permit

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

LOCATION: Elevation: 960 Watershed: Eibscamp Run
District: New Milton County: Doddridge Quadrangle: Smithburg 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

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 7/29, 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 Paul Garrett
Address 321 Beech St.
Clarksburg, WV 26301

GEOLOGICAL TARGET FORMATION: Alexander Depth 4935-5032 feet

Depth of completed well, 5200 feet Rotary x / Cable Tools ___

Water strata depth: Fresh, 90-300 feet; salt, 1170 feet; 825-60, 1130-75
275-90 feet.

Coal seam depths: 15-20 Is coal being mined in the area? No

Work was commenced 10/31, 19 80, and completed 11/6, 19 80

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		34	0	0 sks	Kinds
Fresh water	8 5/8	ERW	23	x		1212.80	1212.80	260 sks.	Sizes
Coal	8 5/8	ERW	23	x		1212.80	1212.80	260 sks.	Depth set
Intermediate									
Production	4 1/2	J-55	10.5	x		5134	5134	115 sks.	Perforations:
Tubing									Top Bottom
Liners									4985 5032

RECEIVED

JAN - 8 1981

OIL & GAS DIVISION

DEPT. OF MINES

OPEN FLOW DATA

Producing formation Alexander Pay zone depth 4985-5032 feet

Gas: Initial open flow, ___ Mcf/d Oil: Initial open flow, ___ Bbl/d

Final open flow, 1,100 Mcf/d Final open flow, ___ Bbl/d

Time of open flow between initial and final tests, 96 hours

Static rock pressure, 1500 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

JAN 26 1981

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

Alexander: Perforations: 4985-5032 (14 holes)

Fracturing: 300 lbs. Citric Acid: 280 sks. 80/100 sks. 80/100
sand: 560 sks. 20/40 sand:560 Bbls. fluid.

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			0	5	
Sand & shale			5	15	
Coal & shale			15	20	
Sand & red rock			20	70	
Sand, red rock & shale			70	130	1/4" stream @ 90'
Red rock & sand			130	205	1/2"
Red rock & sand			205	225	
Sand & shale			225	350	1" stream @ 300'
Sand, -shale & red rock			350	425	
Shale & red rock			425	470	
Sand, shale & red rock			470	560	
Shale & sand			560	825	
Red rock & shale			825	860	
Salt sand			860	975	Water @ 1170'
Sand & shale			975	990	
Salt sand			990	1035	Gas ck. @ 2487 38/10-1/2" w/water
Sand			1035	1130	12,100 cu. ft.
Sand & shale			1130	1175	Gas ck. @ 3909 50/10-1/2" w/water
Salt sand			1175	1565	13,900 cu. ft.
Sand & shale			1565	1595	Gas ck. @ 4775 44/10-1/2" w/water
Red rick, sand & shale			1595	1700	12,400 cu. ft.
Big Lime			1700	1780	Gas ck. @ 5085 18/10-1/2" w/water
Salt sand			1780	3880	8,340 cu. ft.
Sand & shale			3880	4664	
Benson			4664	4670	
Sand & shale			4670	4935	
Alexander			4935	5032	
Sand & shale			5032	5200 T.D.	

(Attach separate sheets to complete as necessary)

J & J Enterprises, INC.
Well Operator
By Peter Battles
Its 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."

[08-78]

OIL AND GAS WELL PERMIT APPLICATION

Operator's Well No. J-358

API Well No. 47-017-2808
State County Per

WELL TYPE: Oil ___ / Gas X /
(If "Gas", Production X / Underground storage ___ / Deep ___ / Shallow X /)
LOCATION: Elevation: 960 Watershed: Eibscamp Run
District: New Milton County: Doddridge Quadrangle: Smithburg 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 Lena Willis/Flossie Polan
Address Rt. # 1
Blandville, WV
New Milton, WV 26328

COAL OPERATOR None
Address _____

Acreage 14.5 26411.

COAL OWNER(S) WITH DECLARATION ON RECORD:
Name Flossie Polan
Address _____
Blandville, WV 26328

SURFACE OWNER Flossie Polan
Address _____
Blandville, WV 26328
Acreage 14.5

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 St.
Clarksburg, WV 26301

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JUL 29 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 ___ / other contract X / dated 8-28, 1979, to the undersigned well operator from Hugh Spencer

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

Recorded on 6-23, 1979, in the office of the Clerk of the County Commission of Doddridge County, West Virginia, in Oil & Gas lease 111 at page 390. 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 objection they wish to make or are required to make by Code § 20-4-3 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
615 WASHINGTON STREET EAST
CHARLESTON, WV 25311
TELEPHONE: (304) 348-3092

BLANKET BOND

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

Address Box 48
Buckhannon, WV 26201

GEOLOGICAL TARGET FORMATION, Alexander

Estimated depth of completed well, 5150 feet Rotary / Cable tools /

Approximate water strata depths: Fresh, 80 feet; salt, 1000 feet.

Approximate coal seam depths: None 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		
Conductor	113/4	H-40	42	x		30	30	0 sks. Kinds
Fresh water	85/8	ERW	23	x		1300	1300	350 sks.
Coal	85/8	ERW	23	x		1300	1300	350 sks. Sizes
Intermediate								
Production	41/2	J-55	10.5	x		5080	5080	400 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.

THIS PERMIT MUST BE POSTED AT THE WELL SITE. separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be 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 4-4-81

[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

[Handwritten signature]