

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

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

WELL TYPE: Oil ___ / Gas X / Liquid Injection ___ / Waste Disposal ___
(If "Gas", Production X / Underground storage ___ / Deep ___ / Shallow X)
LOCATION: Elevation: 1028 Watershed: Middle Island Creek
District: Centerville County: Tyler Quadrangle: West Union 7.5'
WELL OPERATOR J & J Enterprises, Inc. DESIGNATED AGENT James R. Willett
Address P.O. Box 48 Address P.O. Box 48
Buckhannon, WV 26201 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 10/7, 19 81 OIL & GAS INSPECTOR FOR THIS WORK:
(IF APPLICABLE: PLUGGING OF DRY HOLE OR CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED) Name Phillip L. Tracy
Address Rt. 23
Alma, WV 26320

GEOLOGICAL TARGET FORMATION: Alexander Depth 5210-95 feet
Depth of completed well, 5430 feet Rotary X / Cable Tools ___
Water strata depth: Fresh, 1894 feet; salt, 0 feet.
Coal seam depths: None Is coal being mined in the area? NO
Work was commenced 10/22, 19 81, and completed 10/27, 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		29	29	0 sks.	Kinds
Fresh water	8 5/8	ERW	23	x		1150.65	1150.65	365 sks.	
Coal	8 5/8	ERW	23	x		1150.65	1150.65	365 sks.	Sizes
Intermediate									
Production	4 1/2	J-55	10.5	x		5041.30	5041.30	175 sks.	Deaths set
Tubing									
Liners									Perforations:
									Top Bottom
									4508 4546
									4940 4944

RECEIVED
NOV 12 1981

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

OPEN FLOW DATA
Producing formation Benson Pay zone depth 4940-44 feet
Gas: Initial open flow, ___ Mcf/d Oil: Initial open flow, ___ Bbl/d
Combined Final open flow, 852 Mcf/d Final open flow, ___ Bbl/d
Time of open flow between initial and final tests, 4 hours
Static rock pressure, 1575 psig (surface measurement) after 96 hours shut in
[If applicable due to multiple completion--]
Second producing formation Riley Pay zone depth 4508-46 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

Bottom Hole Pressure Static rock pressure, ___ psig (surface measurement) after ___ hours shut in
Pf=PweXGLS
Pf=1575 G=0.676 L=4743 S=0.9 t=60 + (0.0075 x 5041) +459.7 =557.5 X=29737 =0.0000336
Pf=1575 x 2.72 0.0000336 0.676 4743 0.9 =1575 x 2.72 0.097 =1575 x 1:102
Pf=1736

DEC 4 1981

[08-78]

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

Benson: Perforations: 4940-44 (13 holes)

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

Riley: Perforations: 4508-46 (13 holes)

Fracturing: 100 sks. 80/100 sand; 300 sks. 20/40 sand; 500 gal. Acid:
500 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
Soil			0	3	
Sand			3	5	
Red Rock			5	24	
Sand, shale & red rock			24	102	Damp @ 380'
Gray sand			102	230	Damp @ 850'
Red rock, sand, & shale			230	265	
Red rock, sand & shale			265	305	Wet @ 1510'
Red rock, sand & shale			305	480	
1st Lime			480	535	1/2" stream @ 1894'
Sand, shale & red rock			535	592	
Sand, shale & red rock			592	765	Gas ck. @ 2824 5/10-1/2" w/water 4,209 cu.ft.
Sand & shale			765	810	
Sand, shale & red rock			810	870	Gas ck @ 4917 15/10-1/2" w/water 7,530 cu.ft.
Shale & red rock			870	1020	
Sand & shale			1020	1495	
Maxton sand			1495	1565	Gas ck @ 5058 134/10-1/2" w/water 22,200 cu.ft.
Sand & shale			1565	1890	
Big Lime			1890	1970	
Injun			1970	2070	
Sand & shale			2070	4508	
Riley			4508	4546	
Sand & shale			4546	4920	
Benson			4920	4944	
Sand & shale			4944	5210	
Alexander			5210	5295	
Sand & shale			5295	5430	
					T.D.

(Attach separate sheets to complete as necessary)

J & J Enterprises, Inc.

Well Operator

By

Peter Battles

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."

[08-78]

OIL AND GAS WELL PERMIT APPLICATION

Operator's
Well No. J-582

API Well No. 47-095-0956
State County Permit

WELL TYPE: Oil / Gas /
(If "Gas", Production / Underground storage / Deep / Shallow /)
LOCATION: Elevation: 1028' Watershed: Middle Island Creek
District: Centerville County: Tyler Quadrangle: West Union 7.5'

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

DESIGNATED AGENT James R. Willet
Address P. O. Box 48
Buckhannon, WV 26201

OIL & GAS
ROYALTY OWNER Jay & Mary Collins
Address 180 Collins Drive
Follansbee, WV 26037

COAL OPERATOR None
Address _____

ACREAGE 74.96
SURFACE OWNER Jay & Mary Collins
Address 180 Collins Drive
Follansbee, WV 26037
ACREAGE 74.96

COAL OWNER(S) WITH DECLARATION ON RECORD:
Name Jay & Mary Collins
Address 180 Collins Drive
Follansbee, WV 26037

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

Name _____
Address _____

OIL & GAS INSPECTOR TO BE NOTIFIED
Name Phillip L. Tracy
Address Rt. #3
Alma, WV 26320

COAL LESSEE WITH DECLARATION ON RECORD:
Name None
Address _____
RECEIVED
OCT 7 - 1981

OIL AND GAS DIVISION
WV DEPARTMENT 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 / dated March 12, 1981, to the undersigned well operator from Petro-Enterprises, Inc.
[If said deed, lease, or other contract has been recorded;]

Recorded on March 28, 1981, in the office of the Clerk of the County Commission of Tyler County, West Virginia, in Deed Book 119 at page 602. 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 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.

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

J & J Enterprises, Inc.
Well Operator
By Peter Battles
Its Peter Battles Geologist

BLANKET LOG

