

06.15.18 30N119N07

NOTES  
 (1) NEAREST LEASE BOUNDARY IS GREATER THAN 400'  
 (2) ALL WELLS IDENTIFIED WITHIN 2400' ARE SHOWN

( \* ) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. CNR24050SWEET/DGN  
 DRAWING NO. CNR 24050  
 SCALE 1" = 1000'  
 MINIMUM DEGREE OF ACCURACY 1:200  
 PROVEN SOURCE OF ELEVATION SPOT ELEV. (683') RD. INTERSECTION NORTH OF LOCATION

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 ENVIRONMENTAL PROTECTION.  
 (SIGNED) [Signature]  
 R.P.E. \_\_\_\_\_ L.L.S. 647

PLACE SEAL HERE

STATE OF WEST VIRGINIA  
 DIVISION OF ENVIRONMENTAL PROTECTION  
 OIL AND GAS DIVISION



DATE JANUARY 11 2000  
 OPERATOR'S WELL NO. 24050  
 API WELL NO. 47 079 01258  
 STATE 47 COUNTY 079 PERMIT 01258

WELL TYPE: OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL   
 (IF 'GAS,') PRODUCTION  STORAGE  DEEP  SHALLOW   
 LOCATION: ELEVATION 890 WATER SHED TURKEY CREEK  
 DISTRICT CURRY COUNTY PUTNAM  
 QUADRANGLE GARRETT'S BEND, WV 75'

SURFACE OWNER JESSIE & JANICE McCALLISTER ACREAGE 30.50  
 OIL & GAS ROYALTY OWNER JESSIE & JANICE McCALLISTER ET AL LEASE ACREAGE 230  
 LEASE NO. 1030390

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 TRENTON - BLACK RIVER ESTIMATED DEPTH \_\_\_\_\_  
 WELL OPERATOR COLUMBIA NATURAL RESOURCES, INC. DESIGNATED AGENT W.A. WATSON, JR.  
 ADDRESS PO BOX 6070, CHARLESTON, WV 25362 ADDRESS SAFE

DEEP WELL

COUNTY NAME PUT PERMIT 1258

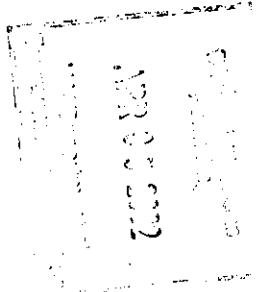
FORM W-9

DEEP  
State of West Virginia  
Division of Environmental Protection  
Section of Oil and Gas

Ac B

Well Operator's Report of Well Work

Farm name: Jessie & Janice McAllister Operator Well No.: 824050  
LOCATION: Elevation: 890' Quadrangle: Garrett's Bend WV 7.5'  
District: Curry County: Putnam  
Latitude: 10565' S.of 38° 20' 00"  
Longitude: 1110' W.of 81° 57' 30"



Company: COLUMBIA NATURAL RESOURCES  
P. O. BOX 6070  
CHARLESTON, WV 25362-0070

Agent: Thomas Blake  
Inspector: Carlos Hively  
Permit Issued: 2-14-00  
Well work Commenced: 2-16-00  
Well work Completed: 6-12-01  
Verbal Plugging:  
Permission Granted on:  
Rotary Rig  Cable Rig   
Total depth (ft.) 7476'  
Fresh water depths (ft.)  
Salt water depths (ft.) 1092'  
Is coal being mined in area (Y/N)? N  
Coal depths (ft.): None

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill-Up (cu.ft.)
20	330	330	708
13 3/8	1824	1824	1265
9 5/8	4435	4435	354
7	6896	6896	372
4 1/2	7273		

OPEN FLOW DATA

\*\*\*Note - Well is producing as an open hole completion

Producing formation: Trenton / Black River Pay zone depth (ft) from 6896' to 7476'

Gas: Initial open flow \_\_\_\_\_ MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
 Final open flow 5,000 MCF/d Final open flow \_\_\_\_\_ Bbl/d  
 Time of open flow between initial and final tests \_\_\_\_\_ Hours

Static rock Pressure 3566 psig (surface pressure) after 72 Hours

Producing formation: \_\_\_\_\_ Pay zone depth (ft) from \_\_\_\_\_ to \_\_\_\_\_

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 pressure) after \_\_\_\_\_ Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1) DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2) THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

By: Jason Bach  
Jason Bach

COLUMBIA NATURAL RESOURCES, INC

Date: 3-27-02

APR 12 2002

PUT 1258



**WELL DATA SHEET**

DATE:	<u>03/27/2002</u>	API #:	<u>47-079-01258</u>
WELL NAME:	<u>McAllister</u>	GEOLOGIST:	<u>Burrman</u>
OPERATOR:	<u>CNR</u>	DTD:	<u>7476'</u>
WELL #:	<u>824050</u>	LTD:	<u>N/A</u>
DISTRICT:	<u>Curry</u>	ELEV. GL:	<u>890'</u>
COUNTY:	<u>Putnam</u>	ELEV. KB:	<u>910'</u>
STATE:	<u>WV</u>	BHT:	<u></u>

<u>FORMATION</u>	<u>TOP</u>	<u>BOTTOM</u>
Salt Sand	950	1090
Maxon	1150	1570
Little Lime	1570	1595
Big Lime	1595	1700
Injun	1745	1785
Berea	2225	2245
Lower Huron	3380	3740
Onondaga	4270	4344
Oriskany	4344	4356
Helderberg	4256	4486
Salina	4486	4982
Newburg	4982	4990
McKenzie	4990	5180
Rose Hill	5200	5430
Tuscarora	5595	5660
Juniata	5660	6190
Martinsburg	6190	7340
Trenton	7340	7476

LOGS RUN: \_\_\_\_\_  
 \_\_\_\_\_

MUDLOG: \_\_\_\_\_  
 \_\_\_\_\_

REMARKS: Well is producing as an open hole completion.  
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