

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 400'
 MINIMUM DEGREE OF ACCURACY 1/2000
 PROVEN SOURCE OF ELEVATION USGS DATA - FORKS OF THE ROAD EL. 638'

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 ENERGY.
 (SIGNED) *[Signature]*
 R.P.E. _____ L.L.S. 356

PLACE SEAL HERE

STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY
 OIL AND GAS DIVISION



DATE NOVEMBER 30 TH 19 89
 OPERATOR'S WELL NO. JONES NO. 1
 API WELL NO. 47-039-4715
 STATE COUNTY PERMIT

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW ___
 LOCATION: ELEVATION 598.8' WATER SHED SMITH CREEK
 DISTRICT WASHINGTON COUNTY KANAWHA
 QUADRANGLE ALUM CREEK St. Albans EC
 SURFACE OWNER BUREN D. AND *Janie* JONES ACREAGE 16.709
 OIL & GAS ROYALTY OWNER BUREN & *Janie* JONES LEASE ACREAGE 16.709
 LEASE NO. _____

PROPOSED WORK: DRILL X 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 BROWN SHALE ESTIMATED DEPTH 4250'
 WELL OPERATOR CONTINENTAL RESERVES OIL CO. DESIGNATED AGENT NANCY COLTON
 ADDRESS 147-3 WEST MAIN STREET ADDRESS 147-3 WEST MAIN STREET
 BRIDGEPORT, WV 26330 BRIDGEPORT, WV 26330

DEEP WELL 6- Alum Creek (277)

JAN 05 1990

039-4715
 Issued 12/20/89
 Page 2 of
 Expires 12/20/91

STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS
 WELL WORK PERMIT APPLICATION

- 1) Well Operator: Continental Reserves Oil Company ¹⁹⁸ 11015 (c) 200
- 2) Operator's Well Number: Jones #1 3) Elevation: _____
- 4) Well type: (a) Oil / or Gas /
 (b) If Gas: Production / Underground Storage /
 Deep / Shallow /
- 5) Proposed Target Formation(s): Brown Shale
- 6) Proposed Total Depth: 4250 feet
- 7) Approximate fresh water strata depths: 250, 296'
- 8) Approximate salt water depths: 350, 938', 939', 946'
- 9) Approximate coal seam depths: 125'-127', 200, 341'-345', 119'-122'
- 10) Does land contain coal seams tributary to active mine? Yes / No /
- 11) Proposed Well Work: Drill, Shoot and Produce the Brown Shale
- 12) Drill & Stimulate New Well

CASING AND TUBING PROGRAM

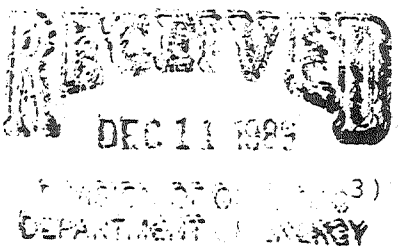
TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Conductor	13-3/8	J-55	54.5	31	Pull	
Fresh Water						
Coal	8-5/8	J-55	24.0	300 ^{315'}	300 ^{375'}	To Surface ^{305918-11.3}
Intermediate						
Production	7	J-55	20.0	2450	2450	^{305918-11.1} 125 SX
Tubing						
Liners						

RECEIVED
 DEC 11 1989

PACKERS : Kind _____
 Sizes _____
 Depths set _____

For Division of Oil and Gas Use Only

Fee(s) paid: Well Work Permit Reclamation Fund WPCP
 Plat WW-9 WW-2B Bond Agent



Date: 12-08-89
Operator's well number
#1
API Well No: 47 - 039 - 4715
State - County - Permit

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS
NOTICE AND APPLICATION FOR A WELL WORK PERMIT

4) Surface Owner(s) to be served:
(a) Name Buren & Minnie Jones
Address Route 2, Box 64-A
St. Albans, WV 25177
(b) Name _____
Address _____
(c) Name _____
Address _____
6) Inspector Carlos W. Hively
Address 223 Pinch Ridge Rd.
Elkview, WV 25071
Telephone (304)- 965-6069

5) (a) Coal Operator:
Name None
Address _____
(b) Coal Owner(s) with Declaration
Name Buren & Minnie Jones
Address Route 2, Box 64-A
St. Albans, WV 25177
Name _____
Address _____
(c) Coal Lessee with Declaration
Name None
Address _____

TO THE PERSON(S) NAMED ABOVE TAKE NOTICE THAT:

Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas OR
 Included is the information required by Chapter 22B, Article 1, Section 8(d) of the Code of West Virginia (see page 2)

I certify that as required under Chapter 22B of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through _____ on the above named parties, by:

- Personal Service (Affidavit attached)
- Certified Mail (Postmarked postal receipt attached)
- Publication (Notice of Publication attached)

I have read and understand Chapter 22B and 38 CSR 11-18, and I agree to the terms and conditions of any permit issued under this application.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete.

I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Well Operator Continental Reserves Oil Co.
By: J. Michael Scureman *Michael Scureman*
Its: President
Address 147-3 W. Main Street
Bridgeport, WV 26330
Telephone (304) 842-5446

Subscribed and sworn before me this 8th day of December, 1989

Nancy D. Colton Notary Public
My commission expires _____ My Commission Expires September 26, 1993

State of West Virginia
DEPARTMENT OF ENERGY
Division of Oil and Gas

Field # 2

Reviewed TMG
Recorded _____

Well Operator's Report of Well Work

Farm name: JONES, BUREN & MINNIE Operator Well No.: JONES #1

LOCATION: Elevation: 598.80 Quadrangle: ALUM CREEK

District: WASHINGTON County: KANAWHA
Latitude: 13800 Feet South of 38 Deg. 22Min. 30 Sec.
Longitude 7180 Feet West of 81 Deg. 47 Min. 30 Sec.

Company: CONTINENTAL RESERVES OIL
1701 COCHRAN ROAD, SUITE 200
PITTSBURGH, PA 15220-1098

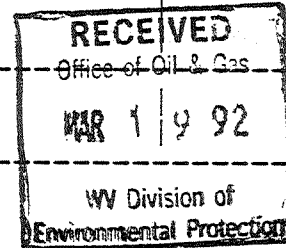
Agent: NANCY COLTON

Inspector: CARLOS W. HIVELY
Permit Issued: 12/20/89
Well work Commenced: 08/24/91
Well work Completed: 08/31/91
Verbal Plugging
Permission granted on: _____
Rotary x Cable _____ Rig
Total Depth (feet) 4,435
Fresh water depths (ft) 80,148,160

Salt water depths (ft) 1,025

Is coal being mined in area (Y/N)? N
Coal Depths (ft): None Reported

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
13 3/8	40	40	CTS
9 5/8	388	388	CTS
7	2,220	2,220	200 SXS



OPEN FLOW DATA

Producing formation Devonian Shale Pay zone depth (ft) 2,220-4,435
Gas: Initial open flow 5 MCF/d Oil: Initial open flow 0 Bbl/d
Final open flow 189 MCF/d Final open flow 0 Bbl/d
Time of open flow between initial and final tests 2 Hours
Static rock Pressure 165 psig (surface pressure) after 6 Hours

Second producing formation _____ Pay zone depth (ft) _____
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.

For: Richard R. Carr
CONTINENTAL RESERVES OIL CO.

By: Richard R. Carr - CEO
Date: November 26, 1991

<u>Formation</u>	<u>Depth</u>
Salt Sand	900
Little Lime	1,419
Big Lime	1,452
Big Injun	1,660
Berea	2,127
Lower Huron	3,327
Java	3,791
Rhinestreet	4,197
Marcellus	4,389
Onondaga	4,435

Shot 3,000 to 4,435.

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