

W.VA PULP & PAPER CO.
495 AC.

ORVAL HILL EVANS
127/516
36.75 AC.

W.VA PULP & PAPER CO.
39 AC.
15' loc.
2.78 S
1.30 W

N.G. BUSCH
83.1 AC.

ORVAL WILSON
64.25 AC.

WELL NO. 1

5" Hickory

MARY MATHES
5 AC.

SEC 2 1/2

- BY SURVEY THIS DATE
- A = N-85-26-W 350.6
 - B = N-20-14-W 393.6
 - C = N-32-00-E 402.6
 - D = N-43-00-E 386.0
 - E = N-4-06-E 88.0
 - F = S-41-00-E 1756.6

NO EXISTING WELLS WITHIN 1200'

2.78 S
1.30 W
400'

FILE NO. _____
DRAWING NO. 83-102-48A
SCALE 1" = 500'
MINIMUM DEGREE OF ACCURACY 1 IN 200
PROVEN SOURCE OF ELEVATION B.M. IN BROHARD ELEV 931

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) William A. Roberts
R.P.E. _____ L.L.S. # 714

PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
FORM IV-6
(8-78)



DATE AUG 24 1983
OPERATOR'S WELL NO. KEMP # 1
API WELL NO. 47-085-6701
STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
LOCATION: ELEVATION 1047 WATER SHED LAUREL RUN
DISTRICT MURPHY COUNTY RITCHIE
QUADRANGLE MACFARLAN 7.5' Harrisville 15'SW
SURFACE OWNER ORVAL HILL EVANS ACREAGE 36.75
OIL & GAS ROYALTY OWNER J.N. KEMP et al LEASE ACREAGE 36.75
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 DEVONIAN ESTIMATED DEPTH 5900 Cairo-Ritchie Mine SEP 19 1983
WELL OPERATOR CENTRAL PACIFIC GROUP DESIGNATED AGENT PETROLEUM SERVICES, INC.
ADDRESS 2115 KERN STREET ADDRESS P.O. Box 4081
FRESNO, CALIF. 93721 PARKERSBURG, W.V. 26101

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

1 stage	5870-5748	Rhinestreet	600,000	S.C.F. N ₂	20 shots
2 stage	5674-5170		700,000	S.C.F. N ₂	30 shots
3 stage	4921-4364	Java Angola	600,000	S.C.F. N ₂	20 shots
4 stage	4256-3713		600,000	S.C.F. N ₂	20 shots
5 stage	3671-2744	Huron			20 shots

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Soil	bn.	s.	0	10	<p style="text-align: center;">RECEIVED JAN 3 - 1984</p> <p style="text-align: center;">OIL & GAS DIVISION DEPT. OF MINES</p> <p style="text-align: right; margin-right: 50px;">5890 2418 <hr/>3472</p> <p style="text-align: right; margin-right: 50px;">Rhinestreet @ T.D</p> <p style="text-align: right; margin-right: 50px;">5890 1047 <hr/>4843</p>
S.S.	bn.	h.	50	59	
S.S. Shale	bl.	s.	59	159	
Shale	bn.	h.	159	261	
S.S.	bn.	s.	261	400	
S.S.		s.	400	450	
S.S. Shale			450	610	
S.S.			610	720	
Shale			720	960	
S.S.			960	1240	
S.S. Shale			1240	1380	
Shale			1380	1620	
Salt Sand			1620	1704	
Maxton			1820	1878	
Big Lime			1890	1952	
Big Injun			1959	2032	
Squaw			2042	2052	
Sandbury			2408	2418	
5th Sand			2734	2743	
Huron			3328	3797	
Balltown			3797	4330	
Java			4330	4872	
Angola			4872	5164	
Rhinestreet			5164	5744	
Genesee			5744	5816	
Marcellus			5816	5890	
T.D.				5890	

(Attach separate sheets as necessary)

The Central Pacific Group, Inc.
Well Operator
By: Jim Cushing Agent
Date: 12-6-83

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 any encountered in the drilling of a well."



1) Date: AUGUST 30, 19 83
 2) Operator's Well No. KEMP # 1
 3) API Well No. 47 - 085 - 6701
 State County Permit

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

- 4) WELL TYPE: A Oil / Gas /
 B (If "Gas", Production / Underground storage / Deep / Shallow /)
- 5) LOCATION: Elevation: 1047 Watershed: LAUREL RUN
 District: MURPHY County: RITCHIE Quadrangle: MACFARLAN 7.5
- 6) WELL OPERATOR THE CENTRAL PACIFIC GROUP, INC 7) DESIGNATED AGENT JOHN CUSHING
 Address 2222 WEST SHAW, SUITE 20 Address 3901 B ISCOE RD/ P.O. BOX 4081
FRESNO, CA. 93711 PARKERSBURG, W.VA. 26104
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
 Name SAMUEL HERSMAN Name COASTAL CORPORATION
 Address BOX 66 Address PARKERSBURG, W.VA
SMITHVILLE, W.VA 26178
- 10) PROPOSED WELL WORK: Drill / Drill deeper / Redrill / Stimulate
 Plug off old formation / Perforate new formation
 Other physical change in well (specify) _____
- 11) GEOLOGICAL TARGET FORMATION, DEVONIAN SHALE
- 12) Estimated depth of completed well, 5900 feet
 13) Approximate trata depths: Fresh, 47 feet; salt, 497 feet.
 14) Approximate coal seam depths: N/A Is coal being mined in the area? Yes No
- 15) 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		Kinds	Sizes
Conductor	11-3/4			X		150	150	cir to sur		
Fresh water										
Coal										
Intermediate	8-5/8			X		2170	2170	cir to sur		
Production	4-1/2	sm1	10.5	X			5900	600 sks		Depths set
Tubing										
Liners										Perforations:
										Top Bottom

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-085-6701 Date September 15, 19 83

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. Notification must be given to the District Oil and Gas Inspector, (Refer to No. 8) Prior to the construction of roads, locations and pits for any permitted work. In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

The permitted work is as described in the Notice and Application, plat, and reclamation plan, subject to any modifications and conditions specified on the reverse hereof.
 Permit expires September 15, 1985 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent: <u>[Signature]</u>	Plat: <u>[Signature]</u>	Casing: <u>[Signature]</u>	Fee: <u>1078</u>
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[Signature]
 Administrator, Office of Oil and Gas

NOTE: Keep one copy of this permit posted at the drilling location.

