



NO OTHER KNOWN WELLS IN THIS AREA

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

FILE NO. \_\_\_\_\_  
 DRAWING NO. 83-103-24  
 SCALE 1" = 500'  
 MINIMUM DEGREE OF ACCURACY 1 IN 200  
 PROVEN SOURCE OF ELEVATION 47-087-2944  
 ELEV = 863.0

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

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

DATE DEC 7, 19 83  
 OPERATOR'S WELL NO. CRISLIP #1  
 API WELL NO. 47-087-3853  
 STATE COUNTY PERMIT

WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS,") PRODUCTION X STORAGE \_\_\_ DEEP X SHALLOW \_\_\_  
 LOCATION: ELEVATION 911.0 WATERSHED SLATE RUN  
 DISTRICT SPENCER COUNTY ROANE  
 QUADRANGLE SPENCER 7.5' of 15' SE  
 SURFACE OWNER CHARLES CRINFIELD ACREAGE 100.5  
 OIL & GAS ROYALTY OWNER ROGER CRISLIP LEASE ACREAGE 100.5  
 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 ORISKANY ESTIMATED DEPTH 6200  
 WELL OPERATOR CENTRAL PACIFIC GROUP DESIGNATED AGENT JOHN CUSHING PETROLEUM SERVICES, INC  
 ADDRESS 2115 KERN ST ADDRESS P.O. Box 4081  
FRESNO, CALIF 93721 PARKERSBURG, W.U. 26101

FORM IV-6 (8-78)

COUNTY NAME PERMIT

DEEP WELL 3-3 Clover-Rush Run (Fisher) (1977) DPD Hunt.



IV-35  
(Rev 8-81)

Date March 21, 1984  
 Operator's  
 Well No. 1  
 Farm Crislip  
 API No. 47 - 087 - 3853

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 \_\_\_ / Underground Storage \_\_\_ / Deep x / Shallow \_\_\_ /)

LOCATION: Elevation: 908.6 Watershed Slate Run  
 District: Spencer County Roane Quadrangle Spencer 7.5

COMPANY The Central Pacific Group, Inc.  
 ADDRESS 2222 West Shaw, Suite 20 Fresno, CA 93711  
 DESIGNATED AGENT John Cushing  
 ADDRESS P.O. Box 4081 Parkersburg, WV 26101  
 SURFACE OWNER Charles Crihfield  
 ADDRESS \_\_\_\_\_  
 MINERAL RIGHTS OWNER Roger Crislip  
 ADDRESS 2203 Mt. Vernon Circle Parkersburg WV 26101  
 OIL AND GAS INSPECTOR FOR THIS WORK Homer Dougherty ADDRESS 927-4591

Casing Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cord.			
11-3/4"	155'	155'	85 sks
9 5/8			
8 5/8	2229'	2229'	525 sks
7			
5 1/2			
4 1/2		5830'	540 sks
3			
2			
Liners used			

PERMIT ISSUED 11-25-83  
 DRILLING COMMENCED 12-15-83  
 DRILLING COMPLETED 12-23-83

IF APPLICABLE: PLUGGING OF DRY HOLE ON  
 CONTINUOUS PROGRESSION FROM DRILLING OR  
 REWORKING. VERBAL PERMISSION OBTAINED  
 ON \_\_\_\_\_

GEOLOGICAL TARGET FORMATION Oriskany Depth 5853 feet  
 Depth of completed well 5889 feet Rotary \_\_\_ / Cable Tools \_\_\_  
 Water strata depth: Fresh 80 feet; Salt 800 feet  
 Coal seam depths: N/A Is coal being mined in the area? NO

OPEN FLOW DATA

Producing formation DEVONIAN SHALE Pay zone depth 3502-5607 feet  
 Gas: Initial open flow show Mcf/d Oil: Initial open flow show Bbl/d  
 Final open flow 1,500 Mcf/d Final open flow show Bbl/d  
 Time of open flow between initial and final tests 4 hours  
 Static rock pressure 1050 psig (surface measurement) after 24 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 Oil: 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

(Continue on reverse side) 3/1984

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

1 stage	5607-5693	1,173,000 SCF	N <sup>2</sup>	20 shots
2 stage	5014-5550	1,173,000 SCF	N <sup>2</sup>	20 shots
3 stage	4912-4461	1,232,000 SCF	N <sup>2</sup>	20 shots
4 stage	4346-3502	1,018,000 SCF	N <sup>2</sup>	30 shots

*West River -> Marcellus*  
*Ronnet*  
*Cashoga*  
*Huron*  
*Huron*

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
CONTINUED FROM BELOW:					
Salt Sand			1708	1762	
Salt Sand			1768	1870	
Maxton			1890	1930	
Big Lime			1941	1988	
Big Injun			1988	2076	
Sunbury			2450	2426	
Gordon			2772	2792	
5th Sand			2874	2893	
Huron			3142	4538	
Java			4538	4832	
Angola			4832	5060	
Rhinestreet			5060	5345 - 285'	
Sonyea			5345	5528 - 183'	
Genesee			5528	5594 - 46'	
Mahantango			5594	5612 - 18'	
Marcellus			5612	5660 - 48'	
Huntersville			5660	5853 - 193'	
Oriskany			5853	5852	
T.D.				5853	still in sand
soil	bn	soft	0	25	
s.s.	bn	hard	25	40	
shale	bn	hard	40	500	
shale	bn	hard	500	650	
s.s.	bn	hard	650	700	
shale	bn	hard	700	790	
s.s.	bn	hard	790	810	
shale	bn	hard	810	850	
s.s.	bn	hard	850	1010	
shale	bn	hard	1010	1020	
s.s.	bn	hard	1020	1050	
shale	bn	hard	1050	1140	
s.s.	bn	hard	1140	1170	
s.s.	bn	hard	1170	1270	
shale	bn	hard	1270	1430	
s.s.	bn	hard	1430	1580	
shale	bn	hard	1580	1708	

*? 2476?*  
*2450 ~ U. DEV.*  
*3614 ~ H*  
*4538 ~ J*  
*4730 ~ A*  
*5019 ~ R*  
*5448 ~ CS*  
*5562 ~ W.R.*  
*5642 ~ MARC*

(Attach separate sheets as necessary)

The Central Pacific Group, Inc.

Well Operator

By: *Blue Cushing* Agent

Date: 3-21-84

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."