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STATE OF WEST VIRGINIA **DEPARTMENT OF MINES**

OCT 1 4 1977

Oil and Gas Division RECORD 35.3 WELL

OIL R GAS - VICTOR

Rotary X	Oil
Cable	Gas × Show
Recycling	Comb
Water Flood	Storage
Disposal	(Kind)

Quadrangle_Vadis_SW Permit No. LEW-2098

Pacific States Gas & Oil, Inc. PO Box 67, Glenville, WV Address Farm G.W. Crook Heirs Acres 124	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Alum Fork	Size			
Well No. PS 1 Elev. 1114 District Freeman's Creek County Lewis	20-16			
District Freeman's Creek County Lewis	Cond.			1
The surface of tract is owned in fee by	13-10"			1
Conrad Means	9 5/8			1
Address Morgantown, WV	8 5/8	216	216	Surface
Mason Crook	7			-
Address Somerville, Mass. 02144	5 1/2			
Drilling Commenced 12-23-76	4 1/2	2537	2537	130 sks Neat
	3			130 sks 50/50 poz
Drilling Completed	2			
Initial open flow N/A cu. ft. bbls.	Liners Used			
Final production cu. ft. per daybbls.				
Well openhrs. before testRP.			4	
Well treatment details:	Attach copy of	cementing rec	ora.	

Fresh water Producing Sand			Salt Water_		FEEL
Coal was encountered at		Feet	a to W	_ Inches	East
·					
1000 gal 15% HCL					
Frac 707 BBLS H20/300) # J266/ 20 g	al F-52/ 20	gal. Free flo	7 40,000 #	20/40 Sand
Perf. 1697/2344 15	, price			7 70 000 35	20/40 Sand

Producing Sand				Depth		
Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Top Soil			0	5		
Red Rock			5	17	<u> </u>	
Sand			17	47		
Red Rock			47	105		
Slate			105	165		
Red Rock			165	190		•
Sand			190	220		
Slate			220	240		
Sand			240	247		
Slate & S	hale		247	380		
Red Rock			380	387		
Sand			387	405		
Red Rock			405	507		
Slate			507	550		
Red Rock			550	600		
Shale			600	660		
Red Rock			660	667		
Sand			667	712		
			712	795		
Shale			795	825		
Sand			825	865		
Shale			865	898		
Sand			898	940		
Shale			940	980		
Sand		· · · · · · · · · · · · · · · · · · ·	740			
			,			

(over)

^{*} Indicates Electric Log tops in the remarks section.

Formation Color Hard or Soft	Top Feet 32	Bottom Feet	Oil. Gas or Water * Kemarks
Slate Sand Shale Salt Sand Shales Salt Sand Shales Sandy Shales Sandy Shales Salt Sand Shales Blue Monday Little Lime Pencil Cave Big Lime Keener Injun Shales Weir Shales-Sandy 4th Sand	980 985 1005 1055 1067 1160 1305 1385 1528 1550 1608 1622 1668 1678 1740 1800 1854 1903 2050 2430	985 1005 1055 1067 1160 1305 1385 1528 1550 1608 1622 1668 1678 1740 1800 1854 1903 2050 2430 2440	
Shales 5th Sand Shales	2440 2630 2640	2630 2640 2718	
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September 12 19

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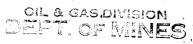
APPROVED _



STATE OF WEST VIRGINIA



DECEIVED DEC 1 8 1976



Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

PHONE ADDRESS PHONE ACCOUNTY Director - Oil & Gas Division GENTLEMEN: The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee title thereto, (or as the case may be) under grant or lease dated May 12 19 75 by Equitable Ga Company made to Pacific States Gas & Oil, Inc. ADDRESS West Virginia XXXXXXXXX 269-3820 PHONE XXXXXXXXXX 269-3820 PHONE XXXXXXXXXX 269-3820 Equitable Gas Company or pacific States Gas & Oil, Inc. Company made to Pacific States Gas & Oil, Inc. The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee title thereto, (or as the case may be) under grant or lease dated May 12 19 75 by Equitable Gas Company made to Pacific States Gas & Oil, Inc. PACIFICATION OF THE MAY AND THE PROPERT OF STIMULATE O		
Surface Owner Courad Means Address 221 Wagner St., Morgantown, W. Va. Address 221 Wagner St., Morgantown, W. Va. Address 24 Wagner St., Morgantown, W. Va. Address 25 Woods Ave., Somerville, Mass. 02144 Location (water). Alum Fork Wall No. FS No. 1 Elevation., 1,114 Address Address Ave., Somerville, Mass. 02144 Location (water). Alum Fork Wall No. FS No. 1 Elevation., 1,114 Address Addres		
Address 221 Wagner St., Morgantown, W. Va. Mason N. Crook Mineral Owner. Mason N. Crook Mason Mason N. Crook Mason Mason N. Crook Mason Mason N. Crook Mason Mason Mason Mason N. Crook Mason Mas	Charleston, W. Va.	DATE December 14, 1976
Mineral Owner. Mason N. Crook Mest Virginia Madress Mason N. Crook Mason N. Crook Mason N. Crook Mason N. Crook Mest Virginia Mason N. Crook Mest Virginia Mason N. Crook Mest Virginia Mason Mason Mason N. Crook Mason N. Crook Mason N. Crook Mason N. Crook Mest Virginia Mason Mason Mason Mason Mason N. Crook Mason N. Crook Mason N. Crook Mason N. Crook Mest Virginia Mason Mason Mason Mason Mason Mason Mason Mason Mason Mason Mason Mason Mason		
Address & Woods Ave., Somerville, Mass. 02144 Coal Owner, Mason N. Crook Mason N. Crook Wall No. PS No. 1 Bievation. 1, 114 Address & Woods Ave., Somerville, Mass. 0214 Address & Wall No. PS No. 1 Bievation. 1, 114 Address & Wall No. PS No. 1 Bievation. 1, 114 Address & Wall No. PS No. 1 Bievation. 1, 114 Address & Wall No. PS No. 1 Bievation. 1, 114 Address & Wall No. PS No. 1 Bievation. 1, 114 Address & Wall No. PS No. 1 Bievation. 1, 114 Address & Wall No. PS No. 1 Bievation. 1, 114 Address & Wall No. PS No. 1 Bievation. 1, 114 Address & Wall No. PS No. 1 Bievation. 1, 114 Address & Wall No. PS No. 1 Bievation. 1, 114 Address & Wall No. PS No. 1 Bievation. 1, 114 Address & Wall No. PS No. 1 Bievation. 1, 114 Bievation. 1, 114 Address & Wall No. PS No. 1 Bievation. 1, 114 Bievation. 1, 114 Address & Wall No. PS No. 1 Bievation. 1, 114 Bievation. 1, 114 Bievation. 1, 114 Address & Wall No. PS No. 1 Bievation. 1, 114 Bievation.	Address	Address P. O. Box 67, Glenville, WV 26351
Address 34 Woods Ave., Somerville, Mass. 02144 Location (waters) Alum Fork Mason N. Crook Address S4 Woods Ave., Somerville, Mass. 02144 Location (waters)		Farm G. W. Crook Heirs Acres 124
Coal Owner 84 Woods Ave., Somerville, Mass. 0214 Datrict Freeman's Creek County Lewis Coal Operator None Quadrangle Vadis SN Coal Operator None (None None None None None None None None	Address 84 Woods Ave., Somerville, Mass.	
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Coal Operator. None Address. Address. IMI provisions being in accerdance with Chemical Provisions of Commenced by 4-16-77 ADDRESS West Virginia PRONE XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	84 Woods Ave., Somerville, Mass	s. 02144 Fromen's Crock
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INSPECTOR Robert Bates or drilling This permit shall expire if the W. Vo. Code, the location is fereby come or drilling This permit shall expire if permites how agot commenced by 4-16-77 ADDRESS West Virginia PHONE XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX		
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THIS IS AN ESTIMATE ONLY ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION

PROPOSED WORK ORDER TO DRILLING CONTRACTOR: (1			
01 7 77 1.	T	RESPONSIBLE AGE	
NAME Glen L. Haught an	d Sons	NAME John Me	ork
ADDRESS Smithville, W	lest Virginia	ADDRESS P. O.	Box 67, Glenville, WV 26351
TELEPHONE 477-2222		TELEPHONE 46	2-8118
ESTIMATED DEPTH OF COM			CABLE TOOLS
PROPOSED GEOLOGICAL FOR	RMATION: Big Injun, F	ifth Sand	
TYPE OF WELL: OIL	GAS XX	COMBSTORA	GE DISPOSAL
•	RECYCI	ZING WATER F	LOODOTHER
MENANTAN CARRAGO DO CONTRA			
TENTATIVE CASING PROGRA	AM:		
CASING AND TUBING	USED FOR	LEFT IN	CEMENT FILL UP
SIZE	DRILLING	WELL	OR SACKS - CUBIC FT.
20 - 16 13 - 10		The second of th	
9 - 5/8			
8 - 5/8	300	300	surface
7	500	300	Surface
5 1/2			
4 1/2	2,800	2,800	200 sacks
3			Perf. Top
2		-	Perf. Bottom
Liners			Perf. Top
			Perf. Bottom
SORMIT LIAE (3) COLIE	S OF OG + 1, \$100.00 PERM	IIT FEE, PERFORMANCE	BOND AND PERMANENT COPY
OF PLAT. TO DRILL DEEPER OR REDRI SUBMIT FIVE (5) COPIES WELLS DRILLED PRIOR MUST ALSO BE SUBMITT TO FRACTURE - STIMULATE: OIL AND/OR GAS WELL (BOND, PERMANENT PLA OIL AND/OR GAS WELL (ING ORIGINAL PERMIT N	ILL: S OF OG - 1, SHOWING ORIGINALLY DRILLED BEFORMANELLY DRILLED ON A DESIGNAL WELL REDRIGINALLY DRILLED ON A DESIGNALLY DRILLED ON A DESIGNALLY DRILLED ON A DESIGNAL WELL REDRIGINALLY DRILLED ON A DESIGNALLY DRILLED ON A DESIGNAL	OPY OF THE PLAT ANI ORE JUNE 5, 1929, FIVE (F CORD. IND/OR AFTER JUNE 5, 1 E BOND.	AND PERFORMANCE BOND. ON D THE ORIGINAL WELL RECORD 5) COPIES OG - 1, PERFORMANCE 929, FIVE COPIES OG - 1, SHOW-
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Official Title