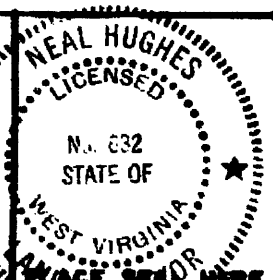


FILE NO. WHIT  
 DRAWING NO. 2  
 SCALE 1" = 500'  
 MINIMUM DEGREE OF ACCURACY 1/200  
 PROVEN SOURCE OF ELEVATION RD INTER 895

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) Neal Hughes  
 R.P.E. \_\_\_\_\_ L.L.S. 632



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



DATE DEC 3 1981  
 OPERATOR'S WELL NO. 1  
 API WELL NO. 47-085-5459  
 STATE COUNTY PERMIT  
 Formerly: Rt-5421

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION

WELL TYPE: OIL  GAS  LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_  
 (IF "GAS", PRODUCTION  STORAGE \_\_\_\_\_ DEEP \_\_\_\_\_ SHALLOW \_\_\_\_\_  
 LOCATION: ELEVATION 1060' WATER SHED BONDS CREEK  
 DISTRICT CLAY COUNTY RITCHIE  
 QUADRANGLE ELLENBORD 7.5'  
 SURFACE OWNER HOMER HAMMETT ACREAGE 89  
 OIL & GAS ROYALTY OWNER HAMMETT ET AL. LEASE NO. 5 LEASE ACREAGE 89  
 PROPOSED WORK: DRILL  CONVERT \_\_\_\_\_ DRILL DEEPER \_\_\_\_\_ REDRILL \_\_\_\_\_ FRACTURE OR STIMULATE \_\_\_\_\_ PLUS OFF OLD FORMATION \_\_\_\_\_ PERFORATE NEW FORMATION \_\_\_\_\_ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_  
 PLUG AND ABANDON \_\_\_\_\_ CLEAN OUT AND REPLUG \_\_\_\_\_  
 TARGET FORMATION Benson ESTIMATED DEPTH 5000'  
 WELL OPERATOR WHITNAM OIL & GAS DESIGNATED AGENT \_\_\_\_\_  
 ADDRESS 100 FRONT ST. MARIETTA, OH 45750 ADDRESS JOHN E. WILLIAMS RT. 1 BOX 41 LINN, W. VA. 26384



IV-35  
(Rev 8-81)

State of West Virginia  
Department of Mines  
Oil and Gas Division

Date 9/19/84  
Operator's  
Well No. 1  
Farm Gorrell  
API No. 47 - 085 - 5459

WELL OPERATOR'S REPORT  
OF  
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil / Gas XX / Liquid Injection / Waste Disposal /  
(If "Gas," Production XX / Underground Storage / Deep / Shallow XX /)

LOCATION: Elevation: 1030' Watershed Bonds Creek  
District: Clay County Ritchie Quadrangle Ellenboro

COMPANY Whitnam Oil & Gas Corporation  
ADDRESS Rt. 76, Box 35-F, Glenville, WV 26351  
DESIGNATED AGENT John E. Williams  
ADDRESS Rt. 1, Box 41, Linn, WV 26384  
SURFACE OWNER Homer Hammett  
ADDRESS Rt. 1, St. Marys, WV 26170  
MINERAL RIGHTS OWNER Homer Hammett  
ADDRESS Rt. 1, St. Marys, WV 26170  
OIL AND GAS INSPECTOR FOR THIS WORK  
Deo Mace ADDRESS Sand Ridge, WV 25274  
PERMIT ISSUED 12-21-81  
DRILLING COMMENCED 3-19-82  
DRILLING COMPLETED 3-26-82  
IF APPLICABLE: PLUGGING OF DRY HOLE ON  
CONTINUOUS PROGRESSION FROM DRILLING OR  
REWORKING. VERBAL PERMISSION OBTAINED  
ON

Casing Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10"	42	42	
9 5/8			
8 5/8	1819	1819	500 sx.
7			
5 1/2			
4 1/2		4948	400 sx.
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Benson Depth 5000 feet  
Depth of completed well 5500 feet Rotary XX / Cable Tools  
Water strata depth: Fresh 110 feet; Salt NR feet  
Coal seam depths: None Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Benson Pay zone depth 4828-39 feet  
Gas: Initial open flow Show Mcf/d Oil: Initial open flow 0 Bbl/d  
Final open flow 440 Mcf/d Final open flow 0 Bbl/d  
Time of open flow between initial and final tests NR hours  
Static rock pressure 1275 psig (surface measurement) after 15 hours shut in  
(If applicable due to multiple completion--)  
Second producing formation <sup>Riley</sup> Bradford Pay zone depth 4703-50  
4293-4312 feet  
Gas: Initial open flow X Mcf/d Oil: Initial open flow X Bbl/d  
Final open flow X Mcf/d Oil: Final open flow X Bbl/d  
Time of open flow between initial and final tests X hours  
Static rock pressure X psig (surface measurement) after X hours shut in

X - All formations Co-mingled.

(Continue on reverse side)

RIT - 5459

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

9-12-84 - Halliburton: 4834'-4836.5'; 10,000# 80-100 & 30,000# 20-40 Sand,  
287 BGW & 12BA  
4713'-4744.5'; 10,000# 80-100 & 30,000# 20-40 Sand,  
287 BGW & 17BA  
4296.5'-4310.5'; 10,000# 80-100 & 30,000# 20-40 Sand,  
287 BGW & 17BA

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Sand & Shale			0	240	
Sand			240	270	
Sand, Shale & Red Rock			270	635	
Sand			635	659	
Sand, Shale & Red Rock			659	910	
Sand			910	925	
Sand & Shale			925	1405	
Sand			1405	1435	
Sand, Shale & Red Rock			1435	1640	
Sand			1640	1695	
Sand & Shale			1695	1840	
Lime			1840	1880	
Lime & Sand			1880	2070	
Sand & Shale			2070	4290	
Sand			4290	4315	
Sand & Shale			4315	4840	
Sand			4840	4850	
Sand & Shale			4850	5500	
RTD			5500		

(Attach separate sheets as necessary)

Whitnam Oil & Gas Corporation  
Well Operator  
By: *[Signature]*  
Date: 9/19/84

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 ~~logs~~, encountered in the drilling of a well."