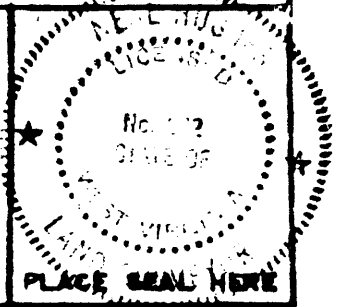


FILE NO. WHIT
 DRAWING NO. 4
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION RD 895

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, 19 81
 OPERATOR'S WELL NO. 4
 API WELL NO. L. HEMSWORTH
47-085-5456
 STATE COUNTY PERMIT

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 995' WATER SHED BIG KNOT RUN
 DISTRICT CLAY COUNTY RITCHIE
 QUADRANGLE ELLENBORO 7.5' St. Marys 15' EC
 SURFACE OWNER EDNA SMITH ACREAGE 134.15
 OIL & GAS ROYALTY OWNER E. SMITH ETAL LEASE ACREAGE 134
 LEASE NO. 4
 PROPOSED WORK: DRILL 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 Beason ESTIMATED DEPTH 5000 FT
 WELL OPERATOR WHITNAM OIL + GAS DESIGNATED AGENT JOHN E. WILLIAMS
 ADDRESS 100 FRONT ST. MARIETTA, OH. 45750 ADDRESS RT. 1 BOX 41 LINN, W.VA. 26384

FEB 16 1982



Reviewed TMG
Recorded _____

IV-35
(Rev 8-81)

RECEIVED
Office of Oil & Gas
JUN 22 1992
WV Division of
Environmental Protection

State of West Virginia
Department of Mines
Oil and Gas Division

Date 2-12-85
Operator's Well No. 4
Farm Hemsworth
API No. 47-085-5456

WELL OPERATOR'S REPORT
OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

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

LOCATION: Elevation: 995 Watershed BIG KNOT RUN
District: CLAY County RITCHIE Quadrangle ELLENBORO

COMPANY WHITMAN OIL & GAS CORP
ADDRESS RT 76 Box 356 Glenville
DESIGNATED AGENT John E. Williams
ADDRESS LINN, WV
SURFACE OWNER EDNA SMITH
ADDRESS Ellenboro WV
MINERAL RIGHTS OWNER _____
ADDRESS _____
OIL AND GAS INSPECTOR FOR THIS WORK DED
MACE ADDRESS SAND RIDGE WV
PERMIT ISSUED 1-25-82
DRILLING COMMENCED 4-10-82
DRILLING COMPLETED 4-16-82
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"			
9 5/8			
8 5/8	1850	1850	330.54
7			
5 1/2			
4 1/2		5019	40054
3			
2 1/2		4828	
Liners used			

GEOLOGICAL TARGET FORMATION Benson Depth 5000 feet
Depth of completed well 5500 feet Rotary / 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 DEVONIAN SAALG Pay zone depth _____ feet
Gas: Initial open flow SHOW Mcf/d Oil: Initial open flow 0 Bbl/d
Final open flow 3 Mcf/d Final open flow 0 Bbl/d
Time of open flow between initial and final tests NR hours
Static rock pressure 1390 psig (surface measurement) after 140 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)

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

Devonian Shale 47845-475 : 10,000 # 81/100 + 30,000 # 20/40
 Sand, 285 66W + 500 GA
 8134716.5-4719 : 10,000 # 80/100 + 30,000 # 20/40
 Sand, 287 66W + 750 GA

WELL LOG

REMARKS	TOP FEET	BOTTOM FEET	FORMATION COLOR HARD OR SOFT
---------	----------	-------------	------------------------------

RECEIVED
 Office of Oil & Gas
 JUN 22 1992
 WV Division of
 Environmental Protection

670	670	670	Sand + shale
670	670	670	Sand
670	670	670	Sand + shale
740	740	740	Sand
770	770	770	Sand + shale
770	770	770	Sand + shale
1040	1040	1040	Sand + shale
1080	1080	1080	Sand
1455	1455	1455	Sand + shale
1492	1492	1492	Sand
1510	1492	1510	Sand + shale
1710	1510	1710	Sand
1840	1710	1840	Sand
1875	1840	1875	Sand + shale
1890	1875	1890	Shale
1935	1890	1935	Bay lime
1935	1935	1935	INDIAN Sand
2075	1935	2075	Sand + shale
5500	2075	5500	RTD

(Attach separate sheets as necessary)

WITMAN Oil & Gas Corp

Well Operator

By: E. A. Johnson

Date: 2-12-85

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
 sand, encountered in the drilling of a well."

C-2, 935

OIL AND GAS WELL PERMIT APPLICATION

Oil / Gas
(If "Gas", Production / Underground storage / Deep / Shallow)

Elevation: 995' Watershed: Big Knot Run

District: Clay County: Ritchie Quadrangle: Ellenboro 7.5'

OPERATOR WHITNAM OIL & GAS CORPORATION DESIGNATED AGENT JOHN E. WILLIAMS

Address P. O. Box 719 Address Route 1, Box 41
Marietta, Ohio 45750 Linn, W. Va. 26384

OWNER Edna Smith, et al COAL OPERATOR N/A

Address Ellenboro, W. Va. 26346 Address _____

COAL OWNER(S) WITH DECLARATION ON RECORD:
Name _____

Address _____

RECEIVED

Name JAN 21 1982

Address OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

COPIES (IF MADE) TO:

COAL LESSEE WITH DECLARATION ON RECORD:

Name _____

Address _____

GAS INSPECTOR TO BE NOTIFIED:

Deo Mace

The undersigned well operator is entitled to operate for oil or gas purposes at the above

under a deed / lease / other contract / dated Nov. 20, 1981, to the

undersigned well operator from Big Knot Oil Company, Inc.
(If deed, lease or other contract has been recorded:)

and on Dec. 11, 1981, in the office of the Clerk of the County Commission of Ritchie

West Virginia, in Lease Book 140, at page 102. A permit is requested as follows

PROPOSED WORK: Drill / Drill Deeper / Redrill / Fracture or stimulate /

Plug off old formation / Perforate new formation /

Other physical change in well (specify) _____

BLANKET BOND

--planned as shown on the work order on the reverse side hereof.

The above named coal operator, coal owner(s), and coal lessee are hereby notified that any work they wish to make or are required to make by Code 522-4-3 must be filed with the Department of Mines within fifteen (15) days after the receipt of this Application by Department. Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessee on or before the day of the mailing or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia.

Handwritten signature and date

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY:
ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

CONTRACTOR (IF KNOWN) PAN EASTERN DRILLING
Address Route 2, Box 44AA
Lowell, Ohio 45744

CAL TARGET FORMATION, Benson
Estimated depth of completed well, 5000 feet Rotary X / Cable tools /
Approximate water strata depths: Fresh, 100 feet; salt, feet.
Approximate coal seam depths: Is coal being mined in the area? Yes / No X /

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
Surface	13 5/8			X			30'	.15 SX	Kinds
Water	8 5/8			X			1800'	Cement to	Surface
Intermediate									Sizes
Production	5 1/2		15.5	X			5000'	500 sx or as	Depths set
								Required by	Rule 15.01
									Perforations:
									Top Bottom

Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code § 22-4-2, (iii) Form IV-9, "Reclamation Plan", applicable to the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code § 22-4-12a, and (v) if applicable, the consent required by Code § 22-4-8a from the owner of any water well or dwelling within 200 feet of the proposed well.

A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.

THIS PERMIT MUST BE POSTED AT THE WELL SITE

All provisions being in accordance with Chapter 22, of the W. Va. Code, the location is hereby approved for drilling. This permit shall expire if operations have not commenced by 9-25-82.

J. B. Murray
Deputy Director - Oil & Gas Division

The following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code § 22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof:

W A I V E R

The undersigned coal operator / owner / lessee / of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: , 19

By
Its