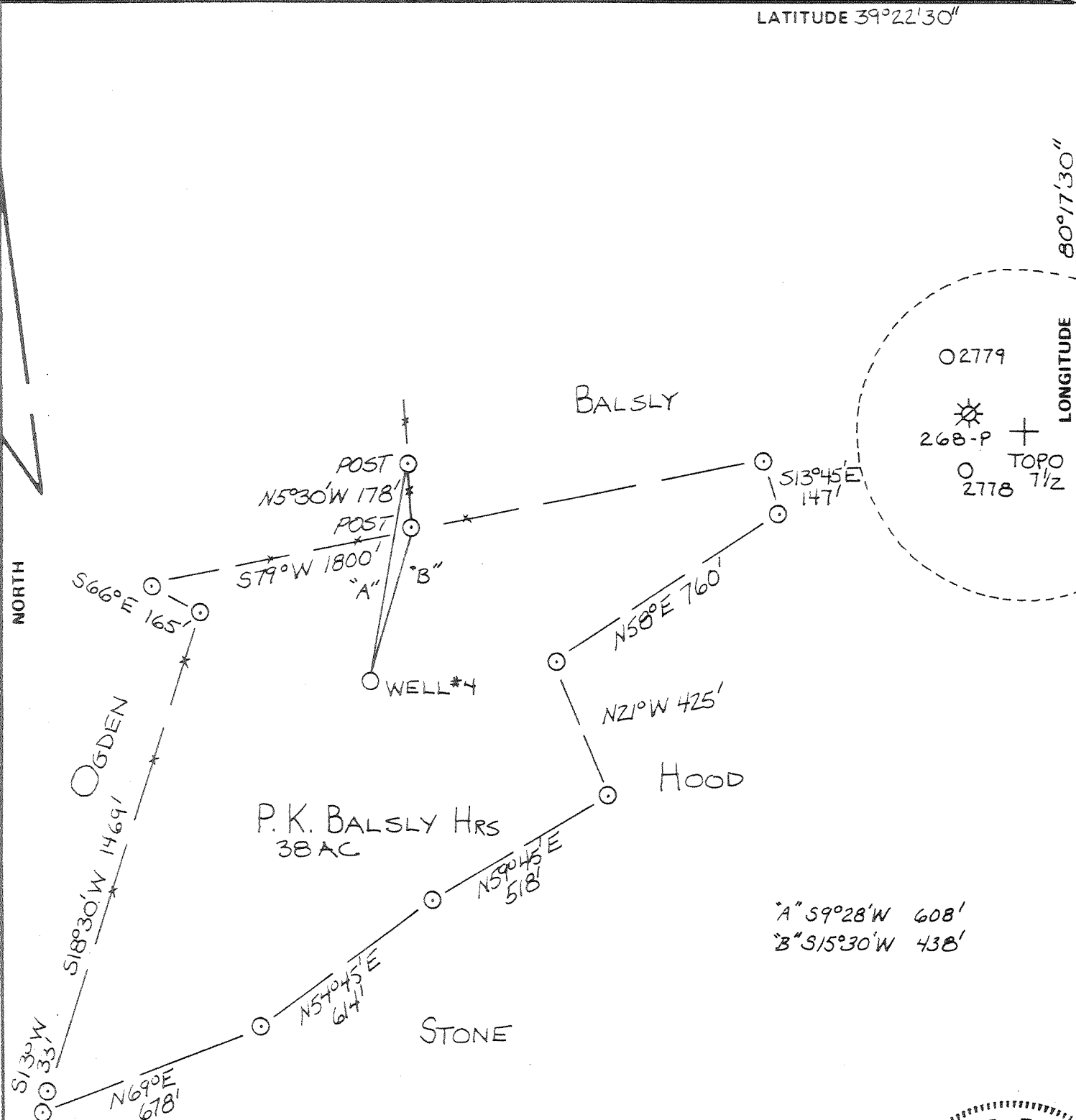


6-24-83

850'

LATITUDE 39°22'30"

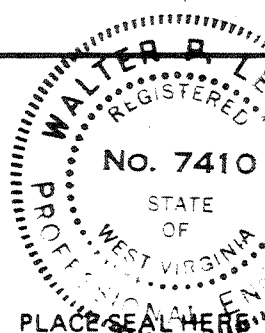
LONGITUDE 80°17'30"



"A" S9°28'W 608'
 "B" S15°30'W 438'

FILE NO. 4-14-83
 DRAWING NO. 4-14-83
 SCALE 1"=400'
 MINIMUM DEGREE OF ACCURACY 1/1200
 PROVEN SOURCE OF ELEVATION Q OF ROADS ± 3100'
NORTHWEST BM (1038)

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) Walter P. Lepert
 R.P.E. 7410 L.L.S. _____



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION ___ STORAGE X DEEP ___ SHALLOW ___
 LOCATION: ELEVATION 1311 WATER SHED WEST FORK RIVER
 DISTRICT CLAY COUNTY HARRISON
 QUADRANGLE CLARKSBURG 7 1/2
 SURFACE OWNER JOHN KENDAL ACREAGE 38
 OIL & GAS ROYALTY OWNER P.K. BALSLEY HRS LEASE ACREAGE 38
 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) _____

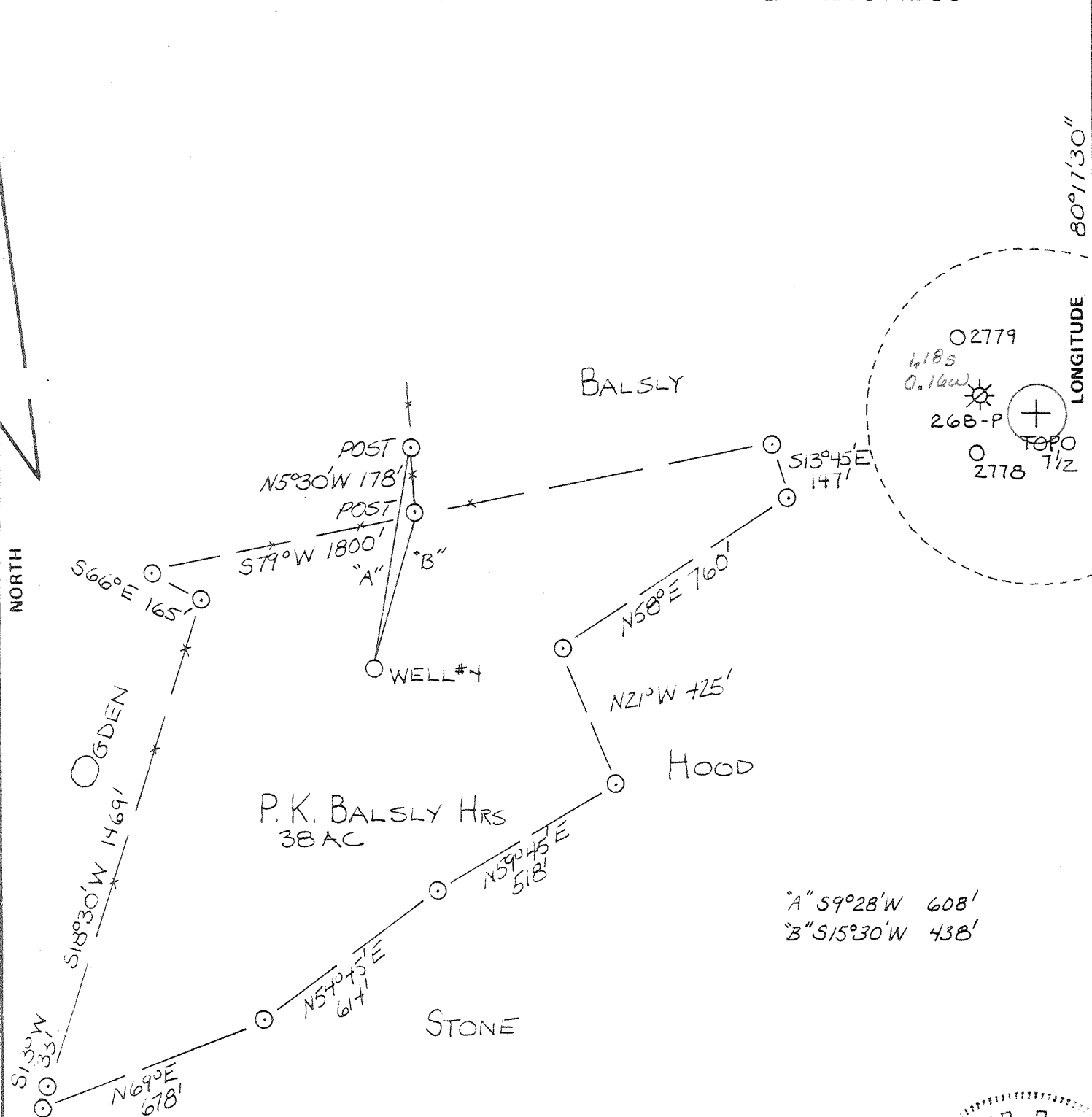
PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION 5" SAND ESTIMATED DEPTH 3000
 WELL OPERATOR HYDROCARBON ENERGIES INC DESIGNATED AGENT AL SORCAN
 ADDRESS PO DRAWER 976 ADDRESS PO DRAWER 976
BUCKHANNON, W.VA. 26201 BUCKHANNON, W.VA. 26201



DATE APR 14, 19 83
 OPERATOR'S WELL NO. Four
 API WELL NO. _____
47 - 033 - 2915
 STATE COUNTY PERMIT

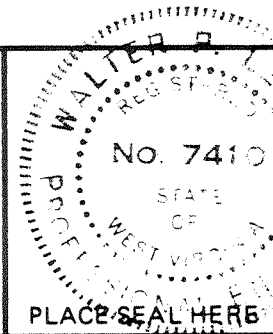
Cancelled

WON 4 1984



FILE NO. 4-14-83
 DRAWING NO. 4-14-83
 SCALE 1"=400'
 MINIMUM DEGREE OF ACCURACY 1/1200
 PROVEN SOURCE OF ELEVATION Q OF ROADS ± 3100'
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STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



DATE APR 14, 19 83
 OPERATOR'S WELL NO. Four
 API WELL NO. _____
47 - 033 - 2915
 STATE COUNTY PERMIT

JUL 25 1983

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW ___
 LOCATION: ELEVATION 1311 WATER SHED WEST FORK RIVER
 DISTRICT CLAY COUNTY HARRISON
 QUADRANGLE CLARKSBURG 7 1/2 - 7 15' EC
 SURFACE OWNER JOHN KENDAL ACREAGE 38
 OIL & GAS ROYALTY OWNER P.K. BALSLEY HRS LEASE ACREAGE 38
 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 S¹ SAND ESTIMATED DEPTH 3000
 WELL OPERATOR HYDROCARBON ENERGIES INC DESIGNATED AGENT AL SORCAN
 ADDRESS PO DRAWER 976 ADDRESS PO DRAWER 976
BUCKHANNON, W.VA. 26201 BUCKHANNON, W.VA. 26201



IV-3
(Rev 8-81)

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OCT 12 1984

OIL & GAS DIVISION
DEPT. OF MINES

State of West Virginia
Department of Mines
Oil and Gas Division

Date Oct. 9, 1984
Operator's Well No. Balsley # 4
Farm George Kendal
API No. 47-033 - 2915

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

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

LOCATION: Elevation: 1310 Watershed West Fork River
District: Clay County Harrison Quadrangle Clarksburg 7 1/2

COMPANY Hydrocarbon Energies, Inc.
ADDRESS P. O. Drawer 976
DESIGNATED AGENT Alvin Sorcan
ADDRESS Rt. 4, box 444, Buckhannon
SURFACE OWNER George Kendal II
ADDRESS 609 Spring St., Fairmont, WV
MINERAL RIGHTS OWNER Josephin Balsley (et Al)
ADDRESS 717 Stout St. Bridgeport, WV
OIL AND GAS INSPECTOR FOR THIS WORK Steve Casey ADDRESS Jane Lew
PERMIT ISSUED 7-24-84
DRILLING COMMENCED 8-26-84
DRILLING COMPLETED 9-5-84
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"	395'	395'	to surface 130 sks
9 5/8"			
8 5/8"	1378	1378	to surface 350 sks
7"			
5 1/2"			
4 1/2"		2948	310 sks 1500-2948
3"			
2"			
Liners used			

GEOLOGICAL TARGET FORMATION 5th Sand Depth 2820 feet
Depth of completed well 2975 feet Rotary X / Cable Tools
Water strata depth: Fresh None feet; Salt None feet
Coal seam depths: 351 Is coal being mined in the area? Yes

OPEN FLOW DATA
Producing formation 5th Sand Pay zone depth 2820-2860 feet
Gas: Initial open flow Smell Mcf/d Oil: Initial open flow None Bbl/d
Final open flow (32) Mcf/d Final open flow (4) Bbl/d
Time of open flow between initial and final tests 4 hours
Static rock pressure 500 psig (surface measurement) after 72 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

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

Form	PERFS	HOLES	SAND	H2O	Rate	Co2	BRKD
5th Sand (2824-2855)		16	59,000	628	27	20tn	2600

ISIP

1900

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
SH	BR	S	0	48	No water reported
SD	BR	M	48	135	
SH	GR	S	135	225	
SD	BR	M	225	351	Coal @ 351
Coal	BL	S	351	365	
SH	RD&GR	S	365	1034	
SD	W	H	1034	1166	
SH	RD&GR	S	1166	1752	
Big Lime	GR	H	1752	1820	
Big Injun	W	H	1820	1920	
SH	GR	S	1920	2325	
Gantz	W	H	2325	2354	
50'	W	H	2354	2420	Show Gas @ 2400'
30'	BR	M	2420	2487	
Gordon Stray "		M	2487	2540	
Gordon	BR	M	2540	2665	
5th Sand	W	H	2665	2730	
SH	GR	S	2730	2822	
5th Sand	W	H	2822	2870	Show Gas @ 2855'
Sh	GR	S	2870	2975	
TD				2975	Gas @ T.D. Show But no Read

(Attach separate sheets as necessary)

Well Operator

By: Alvin Louis Prudent

Date: 10-9-84

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 coal, encountered in the drilling of a well."



1) Date: June 6, 19 84
 2) Operator's Well No. Balsley # 4
 3) API Well No. 47 - 033-2915 (REV)
 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: 1310 Watershed: West Fork River (M26)
 District: Clay County: Harrison Quadrangle: Clarksburg 7 1/2
 6) WELL OPERATOR Hydrocarbon Energies Inc 7) DESIGNATED AGENT Al Sorcan
 Address P. O. Drawer 976 Address Rt. 4, Box 444
Buckhannon, WV 26201 Buckhannon, WV 26201
 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
 Name Steve Casey Name _____
 Address _____ Address _____

10) PROPOSED WELL WORK: Drill / Drill deeper / Redrill / Stimulate
 Plug off old formation / Perforate new formation
 Other physical change in well (specify) _____

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 OIL & GAS DIVISION
 DEPT. OF MINES

11) GEOLOGICAL TARGET FORMATION, 5th Sand
 12) Estimated depth of completed well, 3000 feet
 13) Approximate trata depths: Fresh, 120 feet; salt, 780 feet.
 14) Approximate coal seam depths: 345, 475, 720 Is coal being mined in the area? Yes _____

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		
Conductor	11 3/4				X	35'			Kinds
Fresh water									
Coal	8 5/8		23	x		1360	1360 to surface		Heat
Intermediate	8 5/8		"	"		"	"	"	
Production	4 1/2		10 1/2	x		3000	3000	300 sks.	Depth set
Tubing								or as req. by rule 15.01	
Liners									Perforations: Top Bottom

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-033-2915-REV Date July 24, 19 84

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 July 24, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <u>BLANKET</u>	Agent: <u>LD</u>	Plat: <u>MN</u>	Casing: <u>MN</u>	Fee: <u>627</u>
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Margaret J. Hassa
 Administrator, Office of Oil and Gas

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