

CUVE PLUI

4050'

LATITUDE 39°42'30"
39 45'

CUBE

R. PRICE
112.5A



R. BEACH
237.2A

POST

S77°25'E 2385.6'

31

BW

S7°45'W

283'

STK.

"A"

"B"

WELL #1

S11°15'W

703.1'

S30°15'W

283.6'

S. B. SEAMAN
80.11A

HAAS
19.2A

D. ELLIOTT

N26°17'E 2153.4'

S49°30'W 1574.8'

N55°15'W 1456.7'

N80°50'W
526.7'

3.595
2.99W

LONG DRAIN RUN

WELL #1

S11°15'W

703.1'

S30°15'W

283.6'

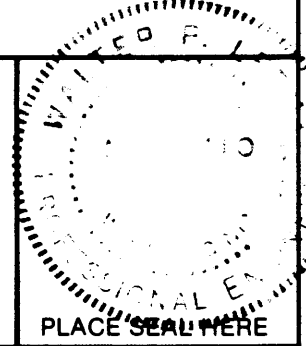
"A" N14°29.5'E 621.3'
"B" N20°4.6'E 341.9'

LANDMARK POINTS
N42°E 100.1' TO POST
S21°E 107.5' TO POST

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

FILE NO. 2-7-85
DRAWING NO. 2-7-85
SCALE 1"=500'
MINIMUM DEGREE OF ACCURACY 1 IN 2000
PROVEN SOURCE OF ELEVATION ☐ OF ROADS
3500' SOUTHWEST (965)

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. Lepout
R.P.E. 7410 L.L.S. _____



PLACE SEAL HERE

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION



DATE FEB 8, 19 85
OPERATOR'S WELL NO. _____
API WELL NO. _____

WELL TYPE: OIL _____ GAS X LIQUID INJECTION _____ WASTE DISPOSAL _____
(IF "GAS,") PRODUCTION _____ STORAGE _____ DEEP _____ SHALLOW _____

LOCATION: ELEVATION 971 WATER SHED LONG DRAIN RUN

DISTRICT CLAY 3 COUNTY MONONGALIA

QUADRANGLE BLACKSVILLE 7.5 236 of 15' NC2

SURFACE OWNER SARA B. SEAMAN ACREAGE 80.11

OIL & GAS ROYALTY OWNER MERL D. WRIGHT et ux LEASE ACREAGE 80.11

LEASE NO. _____

PROPOSED WORK: DRILL X CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE X PLUG OFF OLD FORMATION _____ PERFORATE NEW FORMATION _____ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____

TARGET FORMATION ELK ESTIMATED DEPTH 5600

WELL OPERATOR HYDROCARBON EXPLORATION INC. DESIGNATED AGENT AL SORCAN

ADDRESS 392 PO DRAWER 976 ADDRESS PO DRAWER 976

BUCKHANNON W.VA. 6-6 Mooresville (65) BUCKHANNON W.VA.

MAR 11 1985

FORM IV-6 (8-78)

H.T. HALL

COUNTY NAME

PERMIT

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

4-22-85 Frac 3 Stage H2) w/CO2 Assist

FORM	PERF	HOLES	H2O	SAND	ISIP	CO2
Elk	(5173-5494)	12	711	60,000	2650	20 Tons
Bradford	(4089-4176)	14	592	50,000	2222	10 Tons
Sp. Ball.	(3324-3889)	14	438	35,000	2180	10 Tons

3705
↓
Spch

3705
↑
Bltn

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Clay	G	S	0	50	Water @ 395, 1450, 1550
Sand	Br	H	50	130	
Coal	Bl	S	130	133	Coals @ 130,340,525
Sh	Gr	S	133	175	
Sand	Br	H	175	340	
Coal	Bl	S	340	345	
Sand	W	H	345	525	
Coal	Bl	S	525	528	
SdySh	Br	M	528	1360	
Sand	W	H	1360	1550	
Sh.	Gr & Rd	S	1550	1720	
Big Lime	Gr	H	1720	1764	
Big Injun	W	H	1764	1984	Show Gas @ 1804
Sh	Gr	S	1984	2320	
SdySh	Br	M	2320	2952	Show Gas @ 2914
Shale	Gr	S	2952	3194	
Speech.	Br	M	3194	3705	
Balltown	Br	M	3705	4078	Show Gas @ 3712
Bradford	Br	M	4078	4230	
Sh	Gr	S	4230	4838	
Benson	Br	M	4838	4908	
Shale	Gr	S	4908	5146	
Elk	Br	M	5146	5422	Show Gas @ 5320
Sh	Gr	S	5422	5593	
Total Depth				5593	

Elk @ TD

(Attach separate sheets as necessary)

Hydrocarbon Exploration, Inc.
Well Operator

By: Alvin Soren

Date: 5-10-85

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 coal, encountered in the drilling of a well."

FILE COPY RECEIVED

FEB 15 1985



1) Date: February 14, 19 85
2) Operator's Well No. Seaman #1 Rev.
3) API Well No. 47 - 061 - 0767 State County Permit

OIL & GAS DIV. DEPT. OF MINES

STATE OF WEST VIRGINIA DEPARTMENT OF MINES, OIL AND GAS DIVISION APPLICATION FOR A WELL WORK PERMIT

- 4) WELL TYPE: A Oil / Gas X
B (If "Gas", Production X / Underground storage / Deep / Shallow X)
5) LOCATION: Elevation: 971 Watershed: Long Drain Run
District: Clay County: Monongahalia Quadrangle: Blacksville 7 1/2
6) WELL OPERATOR Hydrocarbon Exploration, Inc.
Address P.O. Drawer 976 Buckhannon, WV 26201
7) DESIGNATED AGENT Al Sorcan
Address P.O. Drawer 976 Buckhannon, WV 26201
8) OIL & GAS INSPECTOR TO BE NOTIFIED
Name Don Ellis
Address 2604 Crab Apple Lane Fairmont, WV 26554
9) DRILLING CONTRACTOR:
Name
Address
10) PROPOSED WELL WORK: Drill X / Drill deeper / Redrill / Stimulate X
Plug off old formation / Perforate new formation
Other physical change in well (specify)
11) GEOLOGICAL TARGET FORMATION, ELK
12) Estimated depth of completed well, 5600 feet
13) Approximate trata depths: Fresh, 25 feet; salt, 600 feet.
14) Approximate coal seam depths: 240, 330 Is coal being mined in the area? Yes / No X

15) CASING AND TUBING PROGRAM

Table with columns: CASING OR TUBING TYPE, SPECIFICATIONS (Size, Grade, Weight per ft., New, Used), FOOTAGE INTERVALS (For drilling, Left in well), CEMENT FILL-UP OR SACKS (Cubic feet), PACKERS. Includes handwritten entries like '11 3/4', '360 40', '360', 'to surface', '600 sks.', 'NEAT', 'as required by rule 15.01'.

OFFICE USE ONLY DRILLING PERMIT

Permit number 47-061-0767 Date February 28, 19 85

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.

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 February 28, 1987 unless well work is commenced prior to that date and prosecuted with due diligence.

Table with columns: Bond, Agent, Plat, Casing, Fee. Handwritten values: 78, MW, MW, MW, 1045.

Margaret J. Hassel Administrator, Office of Oil and Gas

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

File

See the reverse side of the APPLICANT'S COPY for instructions to the well operator.