

1772 3-13-85

CODE _____ PLOT _____ CARD _____

LATITUDE 39°12'30" 39°15'

LONGITUDE 80°32'30" 80°30' 4200'

8550'

MATHEY

★ 2748 ★ 2551

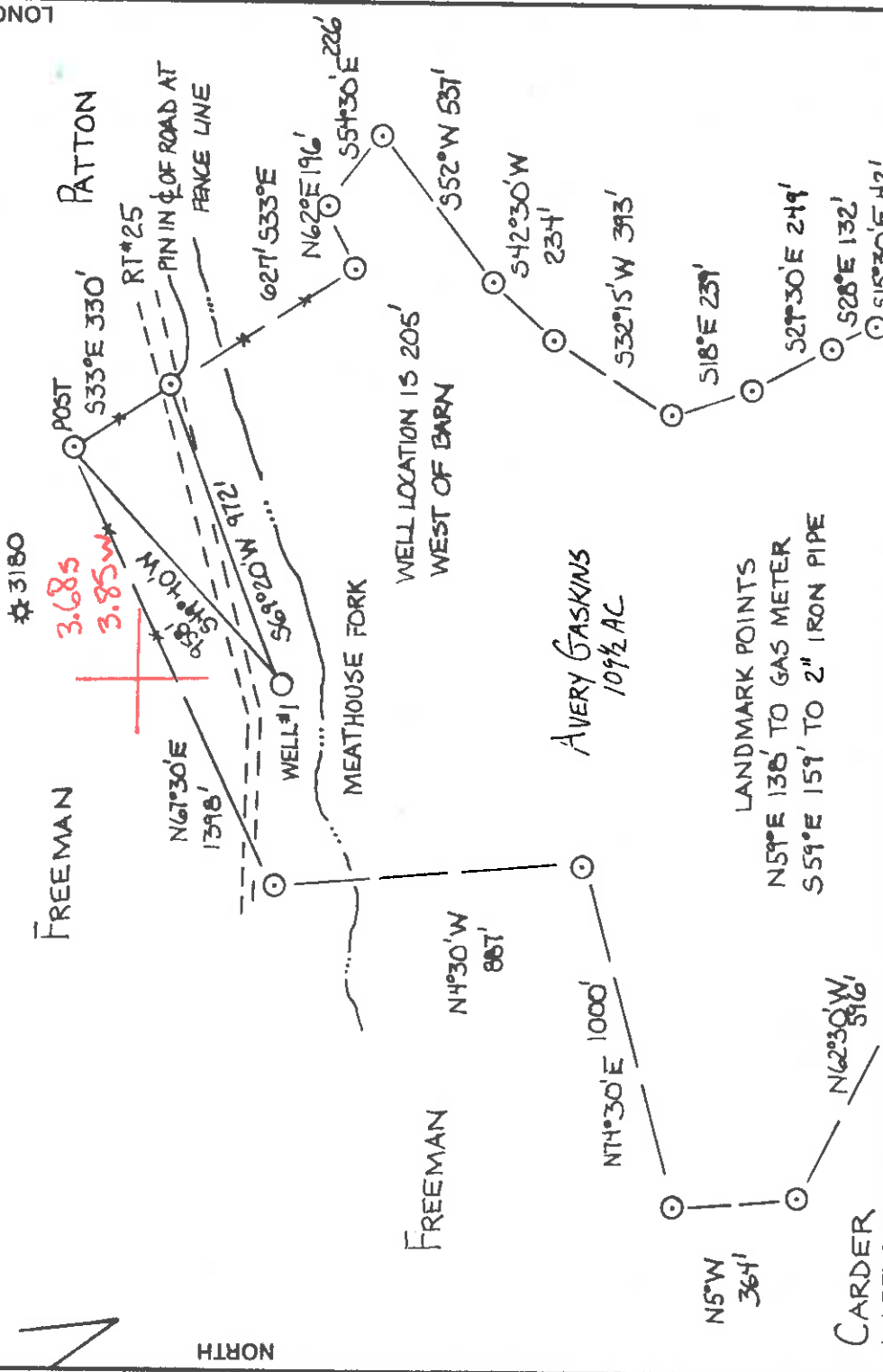
★ 3046 ★ 3205

0.80s
1.62w

TOPO 7/2

★ 3180

★ 3685
★ 385w



FILE NO. 2-16-85

DRAWING NO. 2-16-85

SCALE 1" = 500'

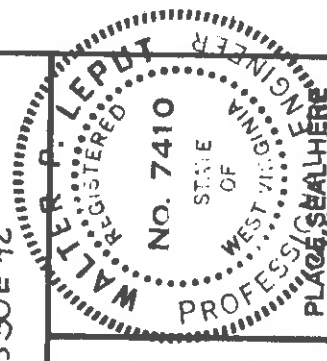
MINIMUM DEGREE OF ACCURACY 1/4 IN 200

PROVEN SOURCE OF ELEVATION 4.0E ROADS ±1300' NORTHWEST (926)

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. Leppla

R.P.E. 7410 L.L.S.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

DATE FEB 16 1985

OPERATOR'S WELL NO. #1

API WELL NO.

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL PERMIT

(IF "GAS,") PRODUCTION STORAGE DEEP SHALLOW

LOCATION: ELEVATION 927 WATER SHED MEATHOUSE FORK

DISTRICT 4 GREENBRIER COUNTY RODDRIDGE

SURFACE OWNER 25 BIG ISAAC 717 VADIS 15' NE3 W. McMILLIAN

OIL & GAS ROYALTY OWNER AVERY GASKINS LEASE ACREAGE 109.5

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 ELK ESTIMATED DEPTH 5250

WELL OPERATOR HYDROCARBON EXPLORATION INC. DESIGNATED AGENT AL SORCAN

ADDRESS 392 PO DRAWER 976 ADDRESS PO DRAWER 976

BUCKHANNON W.VA. 26201

6-6 Meathouse Fork - Bristol (146)

PERMIT MAR 25 1985



RECEIVED

IV-35
(Rev 8-81)

APR 29 1985

OIL & GAS DIVISION
DEPT. OF MINES

State of West Virginia

Department of Mines
Oil and Gas Division

Date 4-11-85
Operator's Well No. Gaskins # 1
Farm McMillan
API No. 47 - 017 - 3415

WELL OPERATOR'S REPORT
OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

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

LOCATION: Elevation: 927 Watershed Meathouse Fork
District: Greenbrier County Doddridge Quadrangle Big Issac 7 1/2

COMPANY Hydrocarbon Exploration, Inc.

ADDRESS P.O. Drawer 976, Buckhannon, WV

DESIGNATED AGENT Alvin Sorcan

ADDRESS Rt. 4, Box 444, Buckhannon, WV

SURFACE OWNER W. C. McMillan

ADDRESS Rt. 3, Box 41, Salem, WV

MINERAL RIGHTS OWNER Avery Gaskins

ADDRESS 644 W. Va. Ave., Morgantown, WV

OIL AND GAS INSPECTOR FOR THIS WORK Mike

Underwood ADDRESS Salem, WV 26426

PERMIT ISSUED 3-14-85

DRILLING COMMENCED 3-20-85

DRILLING COMPLETED 3-26-85

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. 1 3/4			65 Sks.
13-10"	122	122	To Surface
9 5/8			
8 5/8	926	926	250 Sks.
7			To Surface
5 1/2			
4 1/2		5213	725 Sks.
3			1600-5223
2			
Liners used			

GEOLOGICAL TARGET FORMATION Elk Depth 5010 feet
Depth of completed well 5288 feet Rotary X / Cable Tools
Water strata depth: Fresh 43,98 feet; Salt None feet
Coal seam depths: 141, 234 Is coal being mined in the area No

OPEN FLOW DATA

Producing formation Elk, Benson Pay zone depth 4725-5099 feet

Gas: Initial open flow Show Mcf/d Oil: Initial open flow --- Bbl/d

Final open flow 335 Mcf/d Final open flow Show Bbl/d

Time of open flow between initial and final tests 4 hours

Static rock pressure 1000 psig (surface measurement) after 3 hours shut in

(If applicable due to multiple completion--)

Second producing formation Balltown, Speechley zone depth 3161-3533 feet

Gas: Initial open flow Show Mcf/d Oil: Initial open flow --- Bbl/d

Final open flow 335 Mcf/d Oil: Final open flow Show Bbl/d

Time of open flow between initial and final tests 4 hours

Static rock pressure 1000 psig (surface measurement) after 3 hours shut in

(Continue on reverse side)

MAY 13 1985

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

FRAC: 3 Stage H2O w/CO2 Assist 4-9-85

PERFS	BRK	SAND	H2O	ISIP	CO2
ELK-Benson (4735-5299)	2100	60,000	795	1800	229 SCF
Balltown (3425-3533)	2300	50,000	720	1400	229 SCF
Speechley (3161-3333)	1800	50,000	700	1500	229 SCF

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
Sh	Br	S	0	44	H2O @ 43, 93
Sd	Br	H	44	138	
Sh	Gr	S	138	141	Including indication of all fresh and salt water, coal, oil and gas
Coal	Bl	S	141	144	
Coal	Bl	S	144	234	
Sdy Sh	Br	S	234	240	
Sh	Rd & Gr	M	240	411	
Sh	Br	S	411	1513	
Sd	Rd & Gr	S	1513	1585	
Sh	Br	M	1585	1805	
Sd	Rd & Gr	S	1805	1875	
Sh	Gr	H	1875	1986	
Big Lime	W	H	1986	2428	
Big Injun	Gr	S	1986	2576	
Sh	Br	M	2428	3144	
Sd	Br	S	2576	3144	
Sh	Gr	S	3144	3405	
Speechley	Br	M	3144	4202	
Balltown	Br	M	3405	4202	
Bradford	Br	M	4202	4546	
Riley	Br	M	4546	4730	
Benson	Br	M	4730	4786	
Sh	Br	S	4786	5007	
Sh	Gr	S	5007	5118	
Sh	Br	M	5007	5288	
Sh	Gr	S	5118	5288	
Total Depth	Gr	S	5118	5288	Check Gas @ T. D. Good Odor

(Attach separate sheets as necessary)

BY: Charles James
WELL OPERATOR

DATE: 4-25-85

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 soil, encountered in the drilling of a well."

RECEIVED

FEB 25 1985



1) Date: 2-21, 19 85
2) Operator's Well No. GASKINS #1
3) API Well No. 47 - 017 - 3415 State County Permit

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

OIL & GAS DIVISION
DEPT. OF MINES

4) WELL TYPE: A Oil Gas B (If "Gas", Production Underground storage Deep Shallow
5) LOCATION: Elevation: 927 Watershed: Mechoase Fork
District: GREENBRIER County: Doddridge Quadrangle: Big Falls 7 1/2
6) WELL OPERATOR Hydrocarbon Explorations Inc. DESIGNATED AGENT ALVIN SORCAN
Address P.O. DRAWER 976 Address P.O. DRAWER 976
Buckhannon W.V. 26201 Buckhannon W.V. 26201

8) OIL & GAS INSPECTOR TO BE NOTIFIED
Name Steve R. Abbott 9) DRILLING CONTRACTOR:
Address PLIKE UNDERWOOD Address N/A

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

11) GEOLOGICAL TARGET FORMATION, feet
12) Estimated depth of completed well, 920 feet.
13) Approximate true depths: Fresh, 20, 85, 170, 320 feet; salt, 920 feet.
14) Approximate coal seam depths: 75, 480 Is coal being mined in the area? Yes No

15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT FILL-UP OR SACS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	For drilling	Left in well		
Conductor	11 3/4			40	510'		Kind
Fresh water					1700		Sizes
Coal	8 5/8		23	1700	1700		
Intermediate	8 5/8		23	1700	1700		
Production	4 1/2		16 1/2	5250	5250		
Tubing							
Liners							

Perforations: Top Bottom

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-017-3415 Date March 14, 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. 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 March 14, 1987 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Casing	Fee
78	MU	MU	MU	1738

Margaret J. Hasse
Administrator, Office of Oil and Gas

NOTE: Keep one copy of this permit posted at the drilling location.
See the reverse side of the APPLICANT'S COPY for instructions to the well operator. File

