



1) Date: August 29, 19 84
 2) Operator's Well No. J.L. McLean A-122
 3) API Well No. 47 079 1083 1126
 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: 941 Watershed: Spring Valley Branch K16K
 District: Union County: Putnam Quadrangle: Elmwood
- 6) WELL OPERATOR Cabot Oil & Gas Corp. of WV 7) DESIGNATED AGENT Steven D. Turk
 Address P.O. Box 628 Address P.O. Box 628
Charleston, WV 25322 Charleston, WV 25322
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
 Name Jerry Holcomb Name UNKNOWN
 Address Rural Rte. #1 - Box 28 Address _____
Hamlin, WV 25523 824-3337
- 10) PROPOSED WELL WORK: Drill / Drill deeper / Redrill / Stimulate /
 Plug off old formation / Perforate new formation /
 Other physical change in well (specify) _____
- 11) GEOLOGICAL TARGET FORMATION, Huron Shale and any other potential producing horizons penetrated
 12) Estimated depth of completed well, 4394 feet between intermediate casing seat and T.D.
 13) Approximate trata depths: Fresh, 115 feet; salt, 2230 feet.
 14) Approximate coal seam depths: 582 Is coal being mined in the area? Yes / No /

RECEIVED
 SEP 4 - 1984
 OIL & GAS DIVISION
 DEPT. OF MINES

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	16		65	X		30	30	10 sks.	Kinds
Fresh water	9-5/8		36	X		675	675	225 sks. Neat	CTS
Coal									Sizes
Intermediate	7		20	X		2300	2300	375 sks. Neat	CTS
Production	4-1/2		10.5	X		4350	4350	100 sks. or	Depths set
Tubing								as req. by Rule 15.01	
Liners									Perforations:
									Top Bottom

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-079-1126

Date October 5, 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 October 5, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <u>30</u> BLANKET	Agent: <u>LA</u>	Plat: <u>MH</u>	Casing: <u>MH</u>	Fee: <u>013-688</u>
-----------------------------------	------------------	-----------------	-------------------	---------------------

Margaret J. Hesse
 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.



OFFICE USE ONLY

PERMIT MODIFICATIONS AND CONDITIONS (IF ANY) TO THE PROPOSED WELL WORK

1) WELL LOCATION: District: Union; County: Putnam; State: West Virginia; City/Town: Charleston, WV 25322

2) WELL OPERATOR: Name: JETTY HOLDINGS; Address: 417 - Box 28, Hamilton, WV 25623; Phone: 824-3337

3) PROPOSED WELL WORK: Drill depth: 3000; Redrill depth: 3000; Perforate new formation: Yes; Plug old old formation: No

4) CASING AND TUBING PROGRAM: Casing size: 10.25; Tubing size: 7.875; Casing weight: 23.00; Tubing weight: 23.00

RECEIVED
SEP 4 - 1984

OIL & GAS DIVISION
DEPT. OF MINES

OFFICE USE ONLY

This part of Form IV-2(b) is to record the dates of certain occurrences and any follow-up inspections.

	Date	Date(s)
Application received		
Well work started		
Completion of the drilling process		
Well Record received		
Reclamation completed		

OTHER INSPECTIONS

Reason: _____

Reason: _____

Blk	Blk	Blk	Blk	Blk	Blk
-----	-----	-----	-----	-----	-----

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



DATE June 18, 1984
WELL NO. McLean A-122 Rev
API NO. 47 - 079 - 1126

State of West Virginia
Department of Mines
Oil and Gas Division

formerly 47-079-1083

Construction and Reclamation Plan

COMPANY NAME Cabot Oil & Gas Corporation
ADDRESS P.O. Box 628, Chas. WV 25322
TELEPHONE 304-347-1600
LANDOWNER R.H. Rhodes Heirs

DESIGNATED AGENT Steven Turk
ADDRESS P.O. Box 628 Chas. WV 25322
TELEPHONE 304-347-1600
SOIL CONS. DISTRICT Western

Revegetation to be carried out by Company Contractor (Agent)

This plan has been reviewed by Western SCD. All corrections and additions have become a part of this plan.

8/28/84

(Date)

Steven B. Feese
(SCD Agent)

ACCESS ROAD

LOCATION

STRUCTURE Ditch Relief Cross Drain (A)
SPACING Per Plan
PAGE REF. MANUAL 2-1, 2-2, 2-3, 2-4
STRUCTURE Culverts (B)
SPACING Per Plan
PAGE REF. MANUAL 2:7, 2:8, 2:9
STRUCTURE (C)
SPACING
PAGE REF. MANUAL

STRUCTURE (1)
MATERIAL
PAGE REF. MANUAL
STRUCTURE (2)
MATERIAL OIL & GAS DIVISION
PAGE REF. MANUAL DEPT. OF MINES
STRUCTURE Sediment Barrier (3)
MATERIAL Vegetated Strip
PAGE REF. MANUAL 2:16, 2:17

RECEIVED
SEP 4 - 1984
OIL & GAS DIVISION
DEPT. OF MINES

All structures should be inspected regularly and repaired if necessary. All commercial timber is to be cut and stacked and all brush and small timber to be cut and removed from the site before earth work begins.

Revegetation

TREATMENT AREA I

TREATMENT AREA II

Lime Tons/acre
or correct to pH 6.5
Fertilizer 500 lbs/acre
(10-20-20 or equivalent)
Mulch Hay or Straw @ 1 1/2 Tons/acre
Seed* Ky 31 Tall Fescue 40 lbs/acre
White Clover 8 lbs/acre

Lime Tons/acre
or correct to pH 6.5
Fertilizer 500 lbs/acre
(10-20-20 or equivalent)
Mulch Hay or Straw @ 1 1/2 Tons/acre
Seed* Ky 31 Tall Fescue 40 lbs/acre
White Clover 8 lbs/acre

*Inoculate all legumes such as vetch, trefoil and clovers with the proper bacterium. Inoculate with 3X the recommended amount.


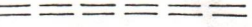
PLAN PREPARED BY [Signature]
Cabot Oil and Gas Corporation

Note: Please request landowner cooperation to protect new seedlings for one growing season. Attach separate sheets as necessary for comments.

ADDRESS P.O. Box 628
Charleston, WV 25322
PHONE NO. (304) 347-1600

LEGEND

ATTACH OR PHOTOCOPY SECTION OF INVOLVED TOPOGRAPHIC MAP. QUADRANGLE Elmwood






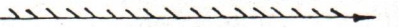












WELL SITE 
ACCESS ROAD 

PHOTOCOPY ATTACHED

WELL SITE PLAN

SKETCH TO INCLUDE WELL LOCATION, EXISTING ACCESS ROAD, ROADS TO BE CONSTRUCTED, WELLSITE, DRILLING PITS AND NECESSARY STRUCTURES NUMBERED OR LETTERED TO CORRESPOND WITH THE FIRST PART OF THIS PLAN. INCLUDE ALL NATURAL DRAINAGE.

LEGEND

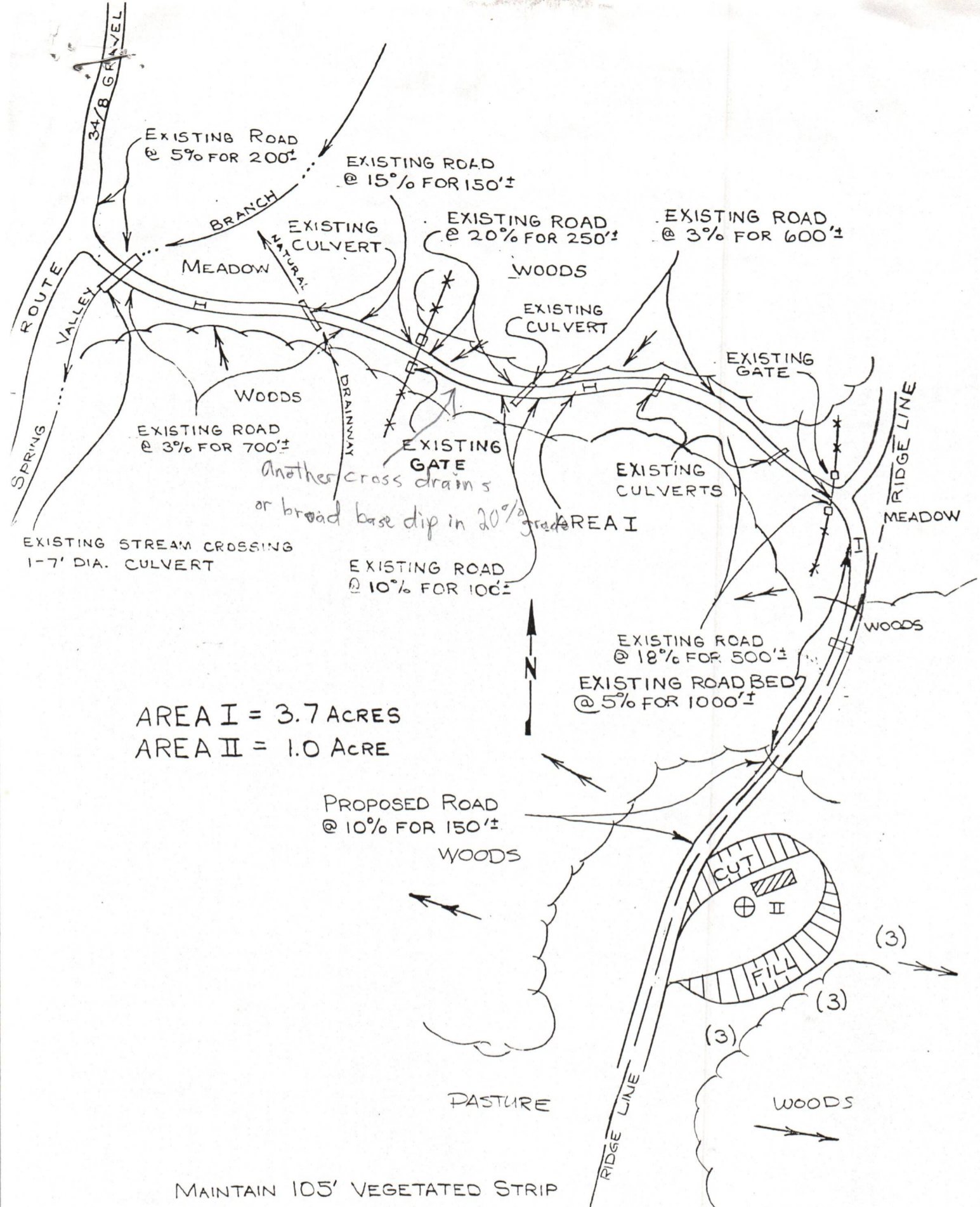
WELL LOCATION 	DRILLING PIT 
PROPOSED ROAD 	EXISTING ROAD 
PROPERTY BOUNDARY 	DIVERSION 
EXISTING FENCE 	PROPOSED FENCE 
STREAM 	SPRING 
WET SPOT 	OPEN DITCH 
DRAIN PIPE 	BUILDING 
WATERWAY 	CULVERT 
RIP RAP 	SLOPE OF LAND 

SKETCH ATTACHED

COMMENTS: Ditch Relief Cross Drains to be spaced in accordance with Table 1 on Page 2-4 of the erosion and sediment control manual and shall be based upon the as-built slopes of the final road configuration.

The existing road to site to be graded, ditches pulled and drains installed where required by field conditions.

All available topsoil shall be scalped from the work area, stockpiled and utilized for top dressing after the site is regraded.



AREA I = 3.7 ACRES
 AREA II = 1.0 ACRE

MAINTAIN 105' VEGETATED STRIP FOR SEDIMENT CONTROL BELOW LOCATION.

RECEIVED
 SEP 4 - 1984
 DIVISION
 DEPT. OF MINES

CABOT OIL & GAS CORPORATION
 CHARLESTON, W. VA.
 McLEAN A-122
KOLB ENTERPRISES Ltd.
 CHARLESTON, W. VA.



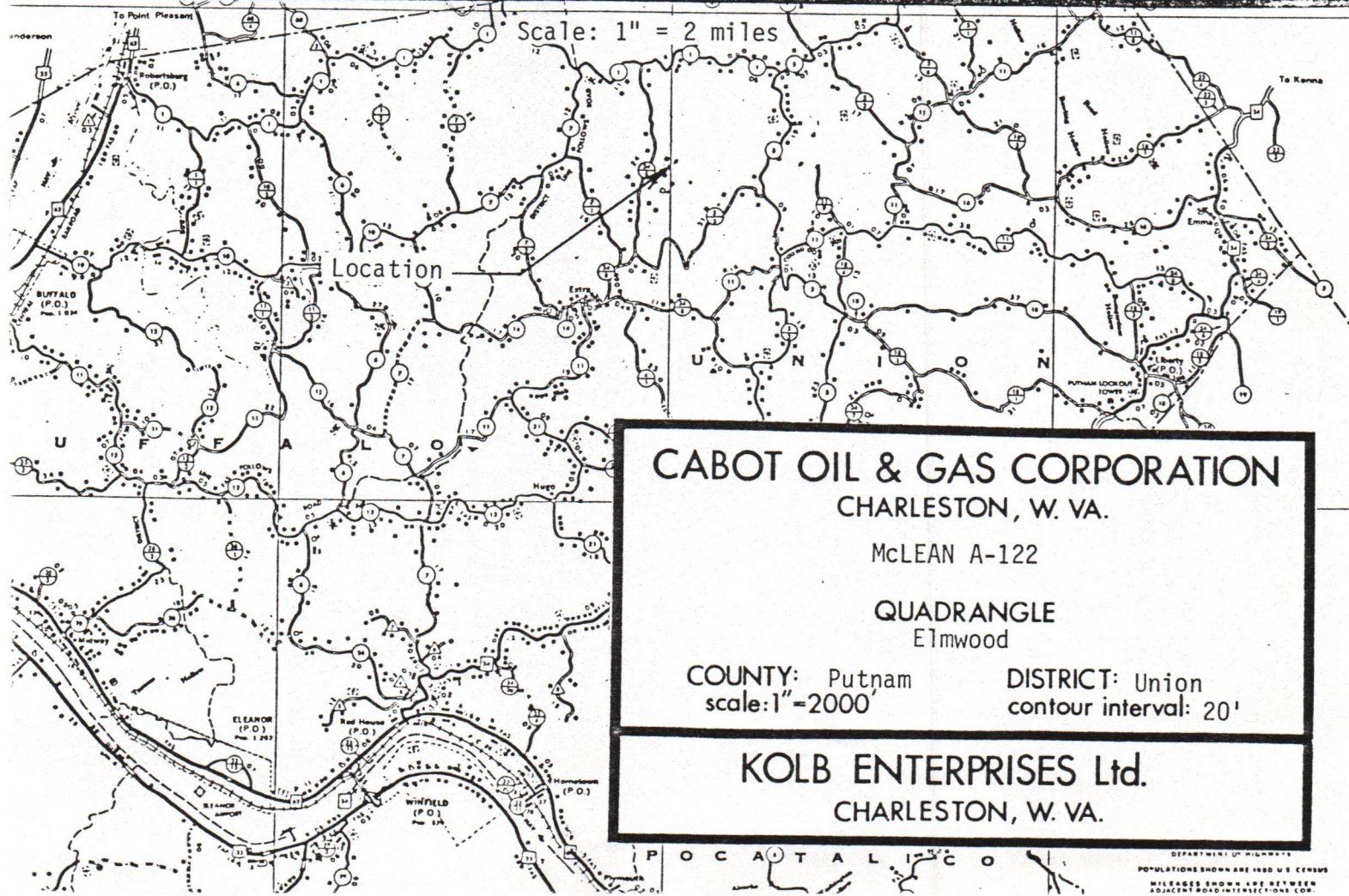
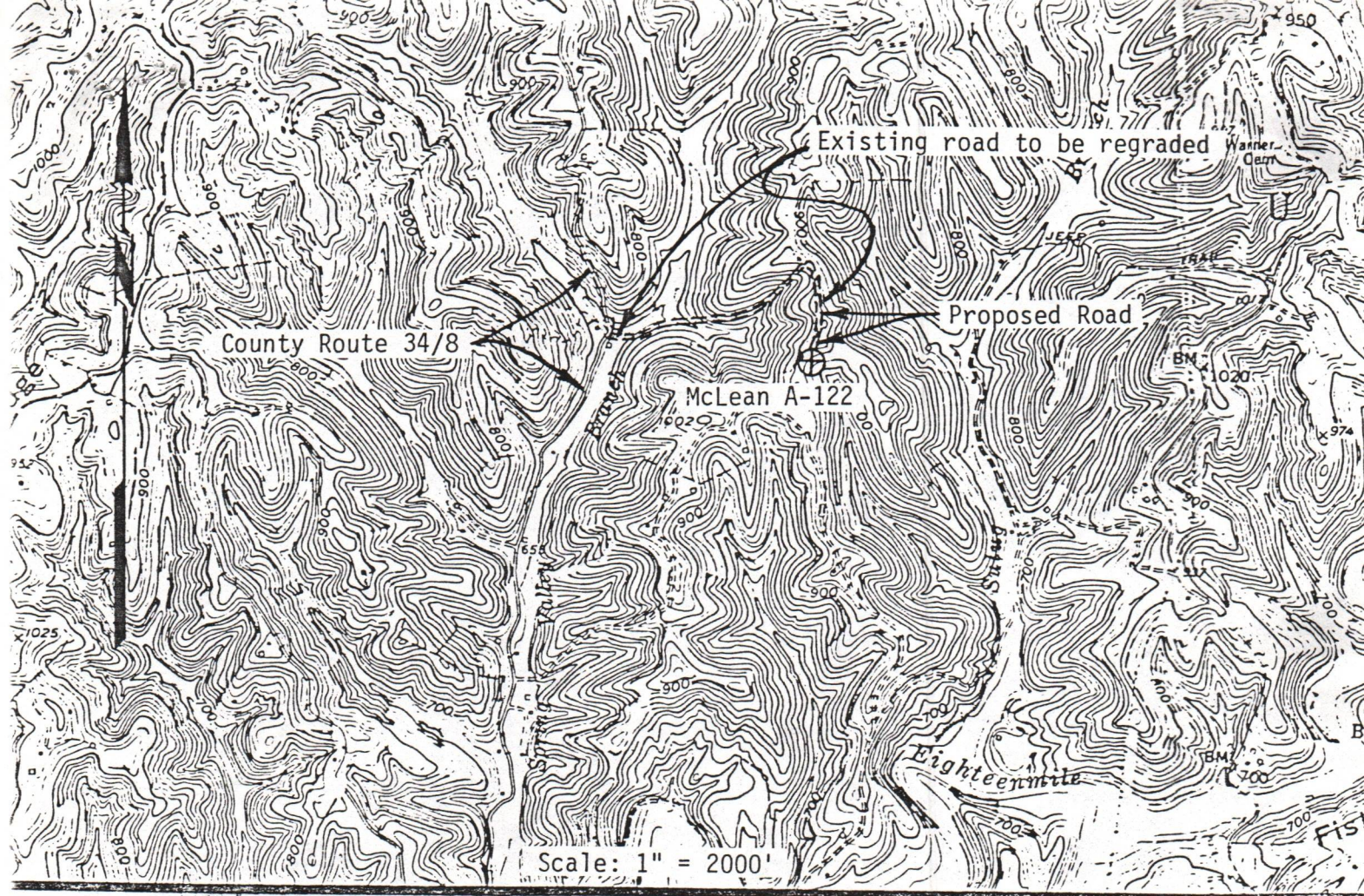
RECEIVED

SEP 2 - 1934

U.S. DEPARTMENT OF AGRICULTURE

WASHINGTON, D.C.

U.S. DEPARTMENT OF AGRICULTURE
 BUREAU OF PLANT INDUSTRY
 WASHINGTON, D.C.
 RECEIVED
 SEP 2 - 1934



CABOT OIL & GAS CORPORATION
 CHARLESTON, W. VA.

McLEAN A-122

QUADRANGLE
 Elmwood

COUNTY: Putnam DISTRICT: Union
 scale: 1" = 2000' contour interval: 20'

KOLB ENTERPRISES Ltd.
 CHARLESTON, W. VA.

DEPARTMENT OF HIGHWAYS
 POPULATIONS SHOWN ARE 1950 U.S. CENSUS
 MILEAGES SHOWN ARE BETWEEN
 ADJACENT ROAD INTERSECTIONS OR COR.

1) Date: August 29, 19 84
2) Operator's
Well No. J.L. McLean A-122
3) API Well No. 47- 079-1126 1083
State County Permit

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES, OFFICE OF OIL & GAS
NOTICE OF APPLICATION FOR A WELL WORK PERMIT

4) SURFACE OWNER(S) OF RECORD TO BE SERVED
(i) Name R.H. Rhodes Heirs
Address 108 Dupont Avenue
Nitro, West Virginia 25143
(ii) Name _____
Address _____
(iii) Name _____
Address _____

5(i) COAL OPERATOR Union Carbide Coal Company
Address Rt. 2, Box 224-B, Sanderson Rd.
Clendenin, West Virginia 25045
5(ii) COAL OWNER(S) WITH DECLARATION ON RECORD:
Name Union Carbide Coal Company
Address Rt. 2, Box 224-B, Sanderson Rd.
Clendenin, West Virginia 25045

P 753 224 445

RECEIPT FOR CERTIFIED MAIL
NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL
(See Reverse)

TO THE PERSON(S) NAMED
(1) The Applicant to be plugged and described
(2) The plat
(3) The Construction of a well reclamation
THE REASON YOU WHICH ARE SUMMARIZE (FORM IV-2(B) OR FC ACTION AT ALL.

Take notice that the operator proposes to for a Well Work Permit Department of Mines and depicted on attached Construction and Reclamation by hand to the permit before the day of

6) EXTRACTION RIGHT
 Included is
 The requirement
7) ROYALTY PROVISION
Is the right to or other contract for compensation to the volume of

Sent to	<u>R.H. Rhodes Heirs</u>
Street and No.	<u>109 Dupont Avenue</u>
P.O., State and ZIP Code	<u>Nitro, WV 25143</u>
Postage	\$ <u>54</u>
Certified Fee	<u>75</u>
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	<u>60</u>
Return receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$ <u>1.89</u>
Postmark or Date	<u>AUG 30 1984</u>

and the following documents:
Form IV-4 if the well is drilling or other work, the proposed casing and m IV-6; and the well work is only to permit control and for

5 REGARDING THE APPLICATION THE COPY OF THE APPLICATION REQUIRED TO TAKE ANY

The undersigned well operator and accompanying documents and Gas, West Virginia and on attached Application location, the plat, and the certified mail or delivered circumstances) on or

RECEIVED
SEP 4 - 1984

OIL & GAS DIVISION
DEPT. OF MINES

or contracts by which (see side for specifics.)
upon a lease or leases or any similar provision not inherently related
Yes No

If the answer above is No, nothing additional is needed. If the answer is Yes, you may use Affidavit Form IV-60.

See the reverse side for line item instructions, and for instructions concerning the required copies of the Notice and Application, plat, and Construction and Reclamation Plan.

The truth of the information on the Notice and Application is verified and sworn to and the Notice is signed on behalf of the Well Operator in my County and State by
Steven D. Turk
this 29 day of August, 1984.
My commission expires March 5, 1989.

Lorene Miller
Notary Public, Kanawha County,
State of West Virginia

WELL OPERATOR CABOT OIL & GAS CORP. OF WV
By St Turk
Its District Drilling Superintendent
Address P.O. Box 628
Charleston, WV 25322
Telephone (304) 347-1600

I N S T

P 753 224 436

CONCERNING THE LINE ITEMS:


- 1) Date of Notice.
- 2) Your well name and r
- 3) To be filled out by
- 4) & 5) Use separate sheet i
- 4) Surface owner(s) of see also Code § 22-4 co-owners of interes in such lands".
- 5(i) "Coal Operator" near corporation that pl
- 5(ii, iii) See Code § 22-4-20.
- 6) See Code § 22-4-11(c) taining contract(s) provided below.
- 7) See Code § § 22-4-1

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL

(See Reverse)

* U.S.G.P.O. 1983-403-517
PS Form 3800, Feb. 1982

Sent to	
Union Carbide Coal Co.	
Street and No. Route 2, Box 224-B	
Sanderson Road	
P.O., State and ZIP Code	
Clendenin, WV 25045	
Postage	\$ 37
Certified Fee	75
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	60
Return receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$ 172
Postmark or Date	

ation. However,
on or other
ion hold interests

ip association or

) or other con-
n in the space

nal and required
strator, accom-
a bond in one of
er security allowed
2b and Regulation
ed by Code § 22-4-1a(c)
§ 22-4-8a from the
ed well.

s) and the person(s)
4-2a, and 22-4-2b.

CONCERNING THE REQUIRED COPI

Filing. Code § 22-4-1k copies of the Notice and panied by (i) a plat in the forms prescribed by Code § 22-4-1k(d) and 23, (iv) unless previous and 22-3-12a, and (v) i owner of any water well

Service. In addition, with an interest in the

INFORMATION SUPPLIED UNDER CODE § 22-4-11(d)

IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)

Under the oath required to make the verification on the obverse side of this Notice, I depose and say that I am the person who signed the Notice for the Applicant, and that--

- (1) the tract of land is the same tract described in the Application to which this Notice applies, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

____ Grantor, lessor, etc. _____ Grantee, lessee, etc. _____ Royalty _____ Book Page

Helen M. Hoge, et al Godfrey L. Cabot, Inc. 12.5% 34 489
(COGC of WV)

(Current Royalty Owners - See Attached Sheet)

OIL & GAS OWNERS

J.L. McLEAN A-122

Nan Nash Grosscup
c/o P. Benjamin Grosscup, Jr.
37 Woodland Avenue
Greensburg, Pennsylvania 15061

Mary Bowyer Garrett, Agent
101 16th Avenue North
St. Petersburg, Florida 33704

Kenneth M. Bowyer, Jr., Agent
6400 Lincoln Apt. 1104
Buena Park, California 90620

Ivan Arista Hoge
300 Shorter Avenue
Rome, Georgia 30161

Helen Hoge Gustavson
2020 Gulf Shore Boulevard
Naples, Florida 33940

RECEIVED

SEP 4 - 1984

OIL & GAS DIVISION
DEPT. OF MINES

DEPT. OF MINES

SEP 4 1934

Mr. J. B. ...
C/O ...
...

...

...

...

...

RECEIVED

SEP 4 - 1934

OIL & GAS DIVISION

DEPT. OF MINES

RECEIVED

JAN 25 1985



IV-35
(Rev 8-81)

OIL & GAS DIVISION
DEPT. OF MINES
State of West Virginia
Department of Mines
Oil and Gas Division

Date January 23, 1985
Operator's
Well No. A-122
Farm J. L. McLean
API No. 47 - 079 - 1126

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: 941' Watershed Spring Valley Branch
District: Union County Putnam Quadrangle Elmwood

COMPANY Cabot Oil & Gas Corporation of WV
ADDRESS Box 628, Charleston, WV 25322
DESIGNATED AGENT H. Baird Whitehead
ADDRESS Box 628, Charleston, WV 25322
SURFACE OWNER R. H. Rhodes
ADDRESS 108 Dupont Avenue, Nitro, WV 25143
MINERAL RIGHTS OWNER See Attached List
ADDRESS
OIL AND GAS INSPECTOR FOR THIS WORK Russell
Beal ADDRESS Box 160, Philippi, WV 26416
PERMIT ISSUED 10/5/84
DRILLING COMMENCED 10/17/84
DRILLING COMPLETED 11/6/84

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
13-3/8	48	48	10 sks
13-10"			
9 5/8	723	723	252 sks
8 5/8			
7	2296	2296	390 sks
5 1/2			
4 1/2	4407.20	4407.20	125 sks
3			
Liners used			

IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON

GEOLOGICAL TARGET FORMATION Huron Shale Depth 3874-4334 feet
Depth of completed well 4451 feet Rotary XX / Cable Tools
Water strata depth: Fresh 115 feet; Salt 2230 feet
Coal seam depths: 582 Is coal being mined in the area? No

OPEN FLOW DATA
Producing formation Huron Shale Pay zone depth 3884-4326 feet
Gas: Initial open flow - - Mcf/d Oil: Initial open flow - - Bbl/d
4 hr. Final open flow 373 Mcf/d Final open flow - - Bbl/d
Time of open flow between initial and final tests - - hours
Static rock pressure 640 psig (surface measurement) after - - 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)

PUT 1126

RECEIVED

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

Perf Shale from 3884-4236' (28 holes). Dumped 750 gals. 15% HCL. Loaded hole w/N₂, broke down Shale @ 2130 psi. Pumped 1/min., ISIP 1800 psi. Pumped 300 sks 20/40 @ 2#/gal. ATP 1650 psi. AIR 40 bpm foam. TF 145 bbls. SL 120 bbls. Total N₂ 1,000,000 SCF. ISIP 850 psi, 5 min 840 psi, 10 min 830 psi, 15 min 830 psi. Shut in 1 hr.

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	426	All measurements from KB.
Sand			1126	1175	
Shale			1175	1322	
Sand			1322	1450	
Sand & Shale			1450	1802	
Sand			1802	1835	
Shale			1835	1903	
Sand			1903	2003	
Big Lime			2003	2130	
Shale			2130	2182	
Big Injun Sand			2182	2238	
Shaley Injun			2238	2322	
Shale			2322	2638	
Sunbury			2638	2660	
Berea			2660	2677	21M Natural at TD.
Shale			2677	3874	
Huron			3874	4334	
Shale			4334	T.D.	
DTD			4448 KB		
LTD			4451 KB		

(Attach separate sheets as necessary)

CABOT OIL & GAS CORPORATION OF WEST VIRGINIA

Well Operator

By: David A. McCluskey

Date: January 23, 1985

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."



RECEIVED

JUL 8 - 1985

OIL & GAS DIVISION
DEPT. OF MINES

State of West Virginia

Department of Mines

Oil and Gas Division

Charleston 25305

FINAL INSPECTION REPORT
INSPECTORS COMPLIANCE REPORT
January 30, 1985

COMPANY Cabot Oil & Gas Corp. of WV

PERMIT NO 079-1126 (10-05-84)

P. O. Box 628

FARM & WELL NO R. Rhodes, McLeanA1

Charleston, West Virginia 25322

DIST. & COUNTY Union/Putnam

RULE	DESCRIPTION	IN COMPLIANCE	
		YES	NO
23.06	Notification Prior to Starting Work	_____	_____
25.04	Prepared before Drilling to Prevent Waste	_____	_____
25.03	High-Pressure Drilling	_____	_____
16.01	Required Permits at Wellsite	_____	_____
15.03	Adequate Fresh Water Casing	_____	_____
15.02	Adequate Coal Casing	_____	_____
15.01	Adequate Production Casing	_____	_____
15.04	Adequate Cement Strenght	_____	_____
15.05	Cement Type	_____	_____
23.02	Maintained Access Roads	_____	_____
25.01	Necessary Equipment to Prevent Waste	_____	_____
23.04	Reclaimed Drilling Pits	_____	_____
23.05	No Surface or Underground Pollution	_____	_____
23.07	Requirements for Production & Gathering Pipelines	_____	_____
16.01	Well Records on Site	_____	_____
16.02	Well Records Filed	_____	_____
7.05	Identification Markings	_____	_____

I HAVE INSPECTED THE ABOVE CAPTIONED WELL AND RECOMMEND THAT IT BE RELEASED:

SIGNED Carlos W. Hively

DATE 7-2-85

Your well record was received and reclamation requirements approved. In accordance with Chapter 22, Article 4, Section 2, the above well will remain under bond coverage for the life of the well.

T. H. [Signature]
Administrator-Oil & Gas Division

July 18, 1985

DATE

CECIL COLEMAN
T.M. 126/1
D.B. 131/519
60.88 AC.

LATITUDE 38°-40'-00"

DAN THORNTON, HRS.
T.M. 126/2
D.B. 93/2

JAMES FRY
T.M. 123/11
D.B. 184/578
165.19 AC.

R.H. RHODES
T.M. 126/7
D.B. 40/356
93.25 AC., (77 AC. TRACT)

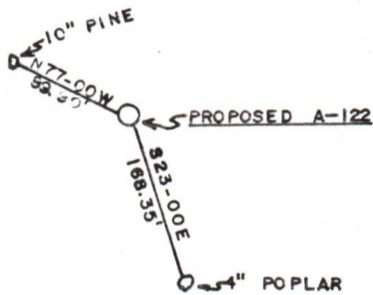
RAY RATUFF
T.M. 126/26
D.B. 184/580
73.25 AC.

OPHA RHODES
T.M. 126/8
D.B. 109/506
37.5 AC.

OKEY RHODES
T.M. 126/6
D.B. 78/57
77.44 AC.

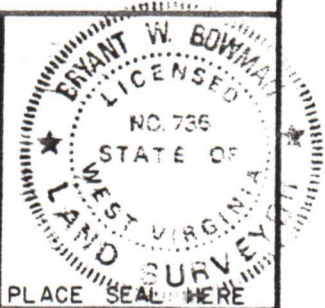
REFERENCES

7 1/2' TOPO LOCATION



FILE NO. _____
DRAWING NO. _____
SCALE 1" = 500 FT.
MINIMUM DEGREE OF ACCURACY 1 IN 200
PROVEN SOURCE OF ELEVATION TOP OF POINT 1002 SW. OF LOCATION

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) Bryant W. Bowman
R.P.E. _____ L.L.S. 736



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



DATE DECEMBER 2, 19 81
OPERATOR'S WELL NO. McLEAN A-122
API WELL NO. _____
47-079-1126
STATE COUNTY PERMIT
Formerly 47-079-1083

Department of Mines
Oil & Gas Division

WELL TYPE: OIL _____ GAS X LIQUID INJECTION _____ WASTE DISPOSAL _____
(IF "GAS", PRODUCTION _____ STORAGE _____ DEEP _____ SHALLOW X)
LOCATION: ELEVATION 941' WATER SHED _____ SPRING _____ VALLEY _____ BRANCH _____
DISTRICT _____ UNION _____ COUNTY _____ PUTNAM _____
QUADRANGLE ELMWOOD (7 1/2')
SURFACE OWNER R.H. RHODES ACREAGE 93.25
OIL & GAS ROYALTY OWNER McLEAN HEIRS LEASE ACREAGE 24,610.88
LEASE NO. 47-0560
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 BROWN SHALE ESTIMATED DEPTH 4,200'
WELL OPERATOR CABOT OIL AND GAS CORP. DESIGNATED AGENT JIM CRAMBLETT
ADDRESS P.O. BOX 628 CHARLESTON W.Va. ADDRESS P.O. BOX 628 CHARLESTON W.Va.