

FILE COPY
RECEIVED

JAN 25 1985



1) Date: January 23, 1985
 2) Operator's Well No. C.W. Murphy C-6
 3) API Well No. 47 - 109 - 0955
 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 /
 B (If "Gas", Production / Underground storage / Deep / Shallow /)
- 5) LOCATION: Elevation: 1877.47' Watershed: Simmons Fork of Clear Fork
 District: Oceana County: Wyoming Quadrangle: Matheny 7 1/2'
- 6) WELL OPERATOR Cabot Oil & Gas Corp. of WV 7) DESIGNATED AGENT David G. McCluskey
 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 Arthur St. Clair Name UNKNOWN
 Address P.O. Box 468 Address _____
Brenton, WV 24818
- 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, Ravencliff, Big Lime, Weir
- 12) Estimated depth of completed well, 3465 feet
- 13) Approximate strata depths: Fresh, 311 feet; salt, 1371 feet.
- 14) Approximate coal seam depths: 369, 967 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 SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		
Conductor	16"		65	X		30'	30'	10 sks. Neat	CTS
Fresh water									
Coal	8-5/8"		24	X		1630'	1630'	420 sks. Neat	CTS
Intermediate									
Production	4-1/2"		10.5	X		3465'	3465'	375 sks. or	Depths set
Tubing								as req. by	Rule 15.01
Liners									Perforations:
									Top Bottom

**OFFICE USE ONLY
DRILLING PERMIT**

Permit number 47-109-0955

January 31, 19 85
Date

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 January 31, 1987 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Casing	Fee
<u>30</u>	<u>MU</u>	<u>MU</u>	<u>MU</u>	<u>16563</u>

Margaret J. Hass
 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



OFFICE USE ONLY

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

1) Date: _____
 2) Operator's Well No.: _____
 3) API Well No.: _____ State: _____ County: _____ Permit: _____

4) WELL LOCATION: B (If "Gas", Production) _____
 Elevation: _____
 District: _____
 County: _____
 Designated Agent: _____
 Address: _____
 City: _____

5) PROPOSED WELL WORK: Drill / Redrill _____
 Plug off old formation / Perforate new formation / Stimulate

6) OIL & GAS INSPECTOR TO BE NOTIFIED: Name: _____
 Address: _____
 City: _____

7) DRILLING CONTRACTOR: Name: _____
 Address: _____
 City: _____

8) GEOLOGICAL TARGET FORMATION: _____
 Estimated depth of completed well: _____ feet
 Approximate target depths: Fresh: _____ feet; Salt: _____ feet
 Approximate coal seam depths: _____ feet
 Is coal being mined in the area? Yes No

CASING OR TUBING TYPE	Size	Grade	SPECIFICATIONS			FOOTAGE INTERVALS	CEMENT FILL-UP OR SAGS (Cubic feet)	PACKERS
			Weight per ft.	New	Used			
Conductor	18"		65	X		30'	10 sags	Wire
Fresh water								
Coal	8-1/2"		28	X		130'	120 sags	Steel
Intermediate								
Production	4-1/2"		10.5	X		375'	375 sags	Depths set

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 _____ Follow-up inspection(s) _____

Well work started _____

Completion of the drilling process _____

Well Record received _____

Reclamation completed _____

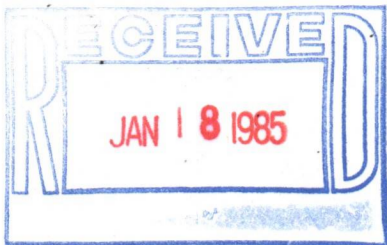
OTHER INSPECTIONS

Reason: _____	Reason: _____
---------------	---------------

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



DATE January 2, 1985
WELL NO. C. W. Murphy C-6
API NO. 47 - 109 - 0955



State of West Virginia
Department of Mines
Oil and Gas Division

Construction and Reclamation Plan

COMPANY NAME Cabot Oil & Gas Corporation of WV DESIGNATED AGENT David McCluskey
ADDRESS P.O. Box 628, Chas. WV 25322 ADDRESS P.O. Box 628 Chas. WV 25322
TELEPHONE 304-347-1600 TELEPHONE 304-347-1600
LANDOWNER Simmons Fork Land Company SOIL CONS. DISTRICT Southern

Revegetation to be carried out by Company Contractor (Agent)

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

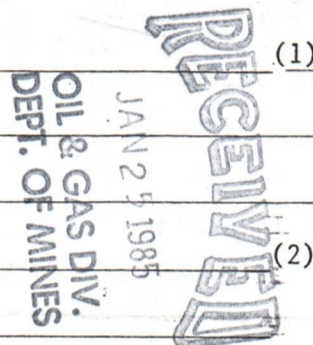
Jan. 17, 1985
(Date)
Gary W. Boschain
(SCD Agent)

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 _____
PAGE REF. MANUAL _____
STRUCTURE Sediment Barrier (3)
MATERIAL Straw Bale or Filter Fabric
PAGE REF. MANUAL 2:16, 2:18, 2:19



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.

TREATMENT AREA I

Revegetation

TREATMENT AREA II

Lime 3 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
Redtop 5 lbs/acre
_____ lbs/acre

Lime 3 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
Redtop 5 lbs/acre
_____ lbs/acre


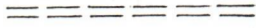
*Inoculate all legumes such as vetch, trefoil and clovers with the proper bacterium. Inoculate with 3X the recommended amount.

PLAN PREPARED BY David G. McCluskey
Cabot Oil and Gas Corporation of WV
ADDRESS P.O. Box 628
Charleston, WV 25322
PHONE NO. (304) 347-1600

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

LEGEND

ATTACH OR PHOTOCOPY SECTION OF INVOLVED TOPOGRAPHIC MAP. QUADRANGLE Matheny 7-1/2'

WELL SITE 
ACCESS ROAD 




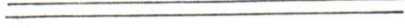














2891 8 WAL

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

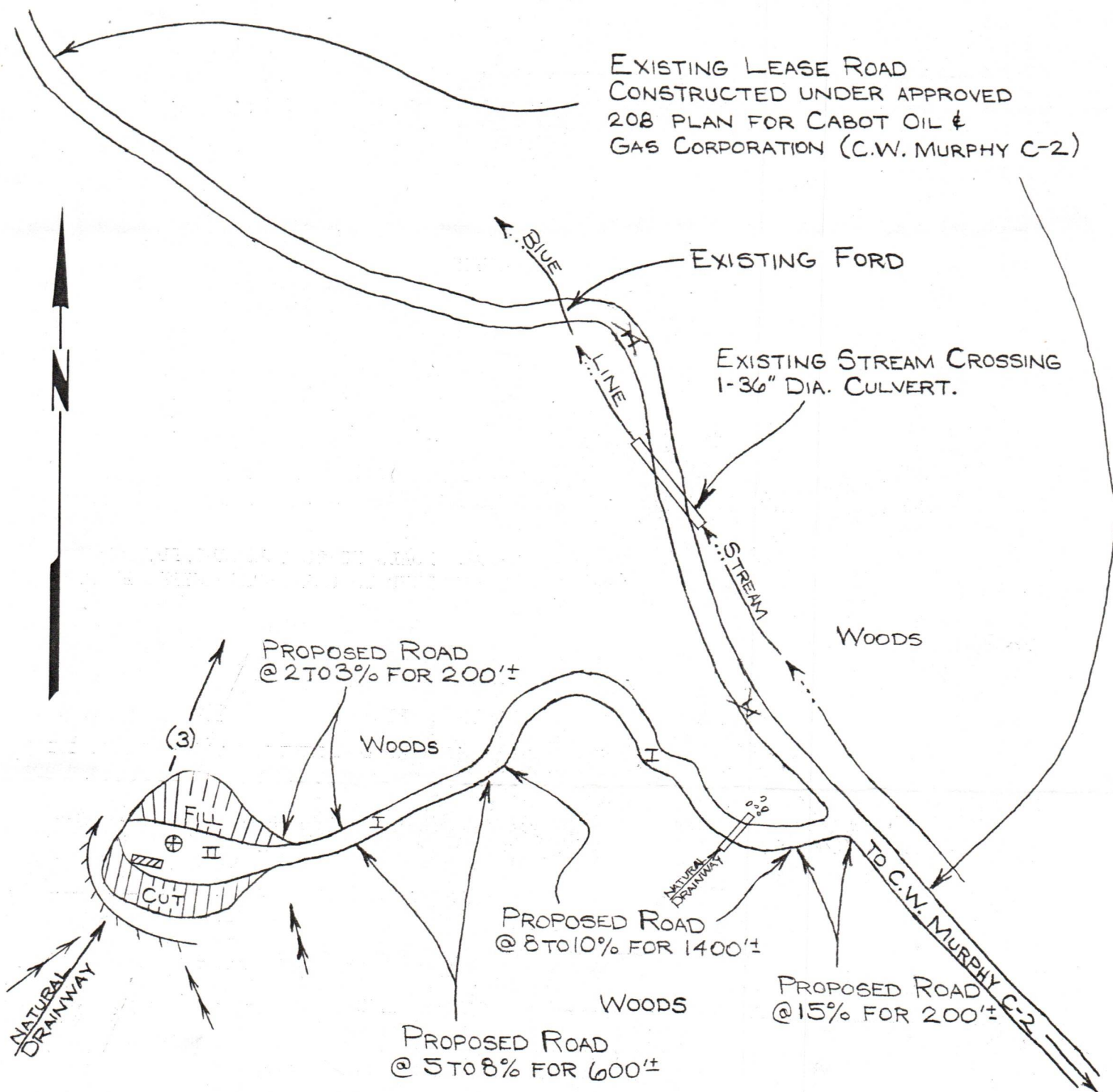
WELL LOCATION		DRILLING PIT	
PROPOSED ROAD		EXISTING ROAD	
PROPERTY BOUNDARY		DIVERSION	
EXISTING FENCE		PROPOSED FENCE	
STREAM		SPRING	
WET SPOT		OPEN DITCH	
DRAIN PIPE		BUILDING	
WATERWAY		CULVERT	
RIP RAP		SLOPE OF LAND	

SKETCH ATTACHED

COMMENTS: Ditch Relief Cross Drains to be installed as an integral part of the
reclamation process and shall be spaced in accordance with Table I 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.

Portions of existing/proposed roads which are located in "solid" rock shall
not require ditches and/or cross drains, unless otherwise warranted by
field conditions.

EXISTING LEASE ROAD
 CONSTRUCTED UNDER APPROVED
 208 PLAN FOR CABOT OIL &
 GAS CORPORATION (C.W. MURPHY C-2)



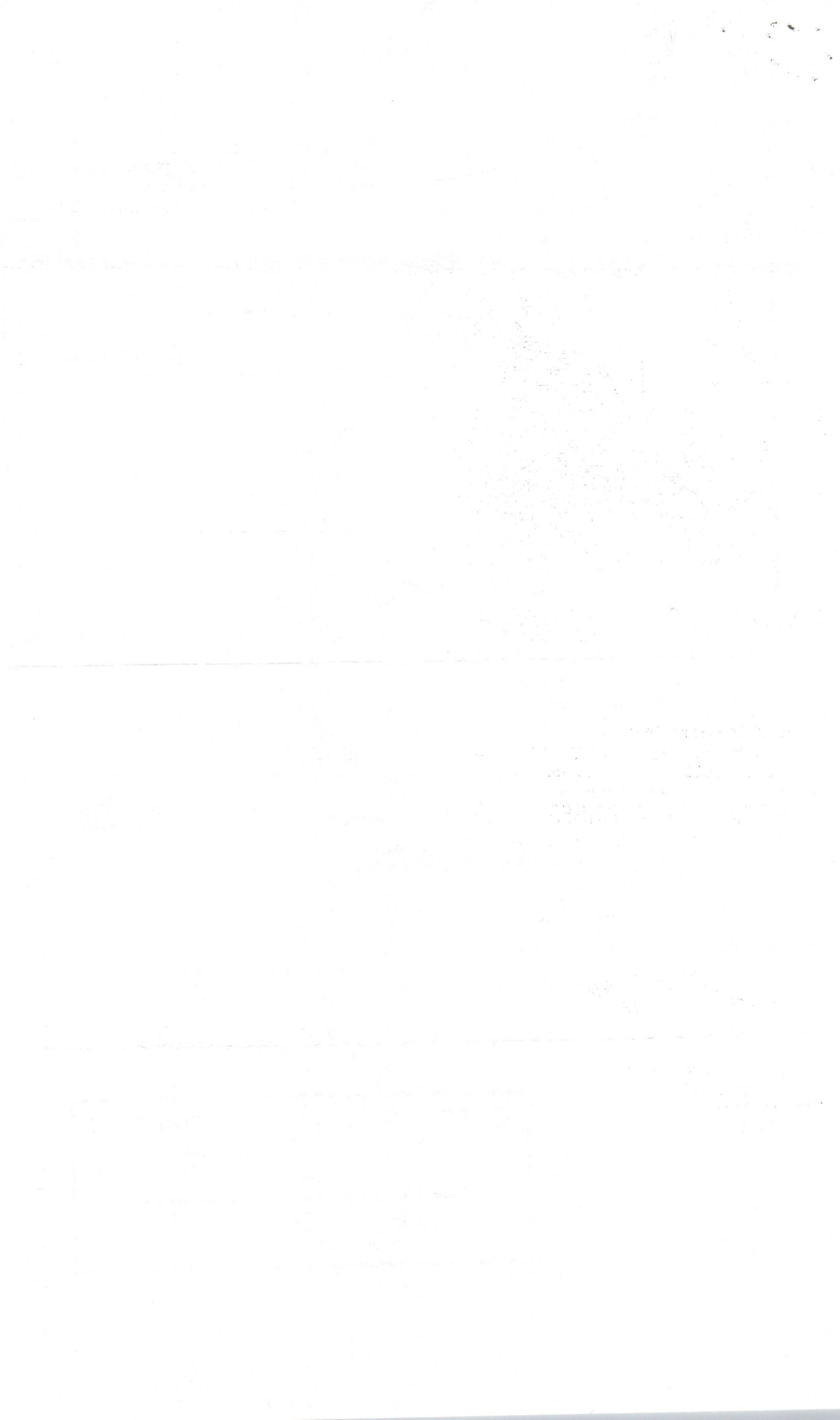
MAINTAIN 85' VEGETATED
 STRIP FOR SEDIMENT
 CONTROL BELOW LOCATION.

AREA I = 3 ACRES±
 AREA II = 1 ACRE±

RECEIVED
 JAN 25 1985
 OIL & GAS DIV.
 DEPT. OF MINES

CABOT OIL & GAS CORPORATION
 OF WEST VIRGINIA
 C. W. MURPHY C-6

KOLB ENTERPRISES Ltd.
 CHARLESTON, W. VA.



1) Date: January 23, 19 85
 2) Operator's Well No. C.W. Murphy C-6
 3) API Well No. 47-109-0955
 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 Simmons Fork Land Company
 Address Attn: Mr. Alexander Smith, President
P.O. Box 356

(ii) Name Peterstown, WV 24963
 Address _____

(iii) Name _____
 Address _____

5(i) COAL OPERATOR NOT OPERATED

Address _____

5(ii) COAL OWNER(S) WITH DECLARATION ON RECORD

Name Simmons Fork Land Company
 Address Attn: Mr. Alexander Smith
P.O. Box 356

Name Peterstown, WV 24963
 Address _____

5(iii) COAL LESSEE WITH DECLARATION ON RECORD:

Name _____
 Address _____

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P 591 456 999

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
 NOT FOR INTERNATIONAL MAIL

(See Reverse)

Simmons Fork Land Company Attn: Alexander Smith	Street and No. P.O. Box 356	P.O. State and ZIP Code Peterstown, WV 24963	Postage \$ 75	Certified Fee	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	Postmark or Date JAN 23 1985
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PS Form 3800, Feb. 1982 * U.S.G.P.O. 1983-403-517

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6) EXTRACTION RIGHTS

Check and provide one of the following:

- Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil or gas.
- The requirement of Code 22-4-1-(c) (1) through (4). (See reverse side for specifics.)

7) ROYALTY PROVISIONS

Is the right to extract, produce or market the oil or gas based upon a lease or leases or other contract or contracts providing for flat well royalty or any similar provision for compensation to the owner of the oil or gas in place which is not inherently related to the volume of oil or gas so extracted, produced or marketed? 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 David G. McCluskey

this 23 day of January, 1985.
 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 David G. McCluskey
 Its District Drilling Superintendent
 Address P.O. Box 628
Charleston, WV 25322
 Telephone _____

OIL & GAS DIV.
 DEPT. OF MINES

JAN 25 1985

RECEIVED

I N S T R U C T I O N S T O A P P L I C A N T

CONCERNING THE LINE ITEMS:

- 1) Date of Notice.
- 2) Your well name and number.
- 3) To be filled out by the Office of Oil & Gas.
- 4) & 5) Use separate sheet if necessary.
- 4) Surface owner(s) of record to be served with Notice and Application. However, see also Code § 22-4-1b(b) if "more than three tenants in common or other co-owners of interest described in subsection (a) of this section hold interests in such lands".
- 5(i) "Coal Operator" means any person, firm, partnership, partnership association or corporation that proposes to or does operate a coal mine.
- 5(ii, iii) See Code § 22-4-20.
- 6) See Code § 22-4-11(c). However, in lieu of filing the lease(s) or other continuing contract(s), the Applicant may fill out the information in the space provided below.
- 7) See Code §§ 22-4-11(d, e).

CONCERNING THE REQUIRED COPIES FOR FILING AND SERVICE:

Filing. Code § 22-4-1k and Regulation 7.02 provide that the original and required copies of the Notice and Application must be filed with the Administrator, 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 § 22-4-1k(d) and the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fees required by Code § 22-4-1a(c) and 22-3-12a, and (v) if applicable, the consent required by Code § 22-4-8a from the owner of any water well on dwelling within 200 feet of the proposed well.

Service. In addition, service must be made on the surface owner(s) and the person(s) with an interest in the coal. See Code §§ 22-4-1m, 22-4-2, 22-4-2a, and 22-4-2b.

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:

<u>Grantor, lessor, etc.</u>	<u>Grantee, lessee, etc.</u>	<u>Royalty</u>	<u>Book</u>	<u>Page</u>
C.W. Murphy, et al	Godfrey L. Cabot, Inc.	1/8	101	412

(CURRENT ROYALTY OWNER)

Simmons Fork Land Co.



1) Date: January 23, 19 85
 2) Operator's Well No. C.W. Murphy C-6
 3) API Well No. 47
 State _____ County _____ Permit _____

JAN 25 1985

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 _____ / Underground storage _____ / Deep _____ / Shallow X /)
- 5) LOCATION: Elevation: 1877.47' Watershed: Simmons Fork of Clear Fork
 District: Oceana County: Wyoming Quadrangle: Matheny 7 1/2'
- 6) WELL OPERATOR Cabot Oil & Gas Corp. of WV 7) DESIGNATED AGENT David G. McCluskey
 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 Arthur St. Clair Name UNKNOWN
 Address P.O. Box 468 Address _____
Brenton, WV 24810
- 10) PROPOSED WELL WORK: Drill X / Drill deeper _____ / Redrill _____ / Stimulate _____
 Plug off old formation _____ / Perforate new formation _____
 Other physical change in well (specify) _____
- 11) GEOLOGICAL TARGET FORMATION, Ravencliff, Big Lime, Weir
- 12) Estimated depth of completed well, 3465 feet
- 13) Approximate trata depths: Fresh, 311 feet; salt, 1371 feet.
- 14) Approximate coal seam depths: 369, 967 Is coal being mined in the area? Yes _____ / No X /
- 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. Neat	CTS
Fresh water									
Coal	3-5/8"		24	X		1630'	1630'	420 sks. Neat	Sizes CTS
Intermediate									
Production	4-1/2"		10.5	X		3465'	3465'	375 sks. or	Depths set
Tubing								as req. by	rule 15.01
Liners									Perforations:
									Top Bottom

INSTRUCTIONS TO COAL OPERATOR, OWNER, OR LESSEE

The named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they wish to make or are required to make by Code §22-4-3 must be filed with the Department of Mines within fifteen (15) days after the receipt of this Application by the Department.

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 the filing of the Application.

WAIVER

The undersigned coal operator _____ / owner X / 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 the 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: January 24, 19 85

Simmons Fork Land Company
 By Alexander M. Smith
 Its President

Coal Owner

Surface Owner



RECEIVED

JAN 25 1985

OIL & GAS DIV.
DEPT. OF MINES



IV-35
(Rev 8-81)

Date June 19, 1985
Operator's
Well No. C-6
Farm Murphy
API No. 47 - 109 - 0955

RECEIVED
JUN 25 1985

State of West Virginia
Department of Mines
Oil and Gas Division

OIL & GAS DIVISION
DEPT. OF MINES
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: 1877 GL Watershed Simmons Fork of Clear Creek
District: Oceana County Wyoming Quadrangle Matheny 7 1/2 min.

COMPANY Cabot Oil & Gas Corporation of WV
ADDRESS P.O. Box 628, Charleston, WV 25322
DESIGNATED AGENT David G. McCluskey
ADDRESS P.O. Box 628, Charleston, WV 25322
SURFACE OWNER Simmons Fork Land Company
ADDRESS Attn: Alexander Smith
P.O. Box 356, Peterstown, WV 24963
MINERAL RIGHTS OWNER Same as above
ADDRESS
OIL AND GAS INSPECTOR FOR THIS WORK Arthur
St. Clair ADDRESS P.O. Box 468
Brenton, WV 24818

PERMIT ISSUED January 31, 1985
DRILLING COMMENCED 4/11/85
DRILLING COMPLETED 4/17/85

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.	40'	40'	15 sks.
13-10"			
9 5/8			
8 5/8	1650'	1650'	525 sks.
7			
5 1/2			
4 1/2	3548'	3548'	250 sks.
3			
x2x 1 1/2	3391.23'	3391.23'	
Liners used			

GEOLOGICAL TARGET FORMATION Ravencliff, Big Lime, Weir Depth BL 2908-3230 feet

Depth of completed well 3576 feet Rotary x / Cable Tools
Water strata depth: Fresh 225 feet; Salt None feet
Coal seam depths: 258-260' Is coal being mined in the area? NO

OPEN FLOW DATA

Producing formation Weir, Big Lime Pay zone depth Weir 3436-3444'
BL 2926-3218 feet
Gas: Initial open flow -- Mcf/d Oil: Initial open flow -- Bbl/d
4 hr. Final open flow 603 Mcf/d Final open flow -- Bbl/d
Time of open flow between initial and final tests -- hours
Static rock pressure 470 psig (surface measurement) after -- hours shut in
(If applicable due to multiple completion--)

Second producing formation Maxton, Ravencliff Pay zone depth Maxton 2650-2694
RV 2010-2036 feet
Gas: Initial open flow -- Mcf/d Oil: Initial open flow -- Bbl/d
4 hr. Final open flow 713 Mcf/d Oil: Final open flow -- Bbl/d
Time of open flow between initial and final tests -- hours
Static rock pressure 450 psig (surface measurement) after -- hours shut in

(Continue on reverse side)

4-19-85 DATE Procedure fair!

Arthur C. St. Clair (509)
DISTRICT WELL INSPECTOR

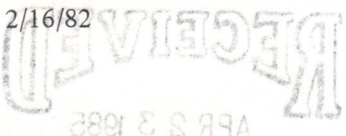
DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

Perf Weir sand 3436-3444' (10 holes). R/U HOWCO to treat Weir. Dump 250 gal. 15% HCL and breakdown perms w/N₂, breakdown 1220 psi. ISIP after break 1120 psi. Treated w/90% foam, 50,000# 20/40 sand. Max concentration 15#/gal surface. AIR 5.7 BPM H₂O, 15,000 Scf/min N₂. ATP 20250 psi, max 2110 psi. 178 bbl T/F, 150 S/L. Total N₂ 480,000 Scf. ISIP 1400²psi, 5 min 1300 psi, 10 min 1250, 15 min 1200 psi. Perf Big Lime from 2926-3218 (12 holes). Pump 500 gal 15% HCL and breakdown perms @ 1400 psi. ISIP after break 600 psi. Treat w/5,000 gal gelled acid @ 8 BPM. Drop 5 perf balls w/no ball action. Pump 5,000 gal gelled acid 4 BPM, N₂ assist 800 Scf/min. AIR 6 BPM, ATP 860 psi. Max T/P 1200 psi. T/F 238 bbls. ISIP 1000²psi, 5 min 1000 psi, 10 min 1000 psi, 15 min 1000 psi. Perf Maxton Sand from 2650-2694' (13 holes). Set arrow dril pkr. @ 2760' KB. Treated with 75 Q foam, 80,000# 20/40 sand. Dump 250 gal 15% HCL & BD w/N₂. BD 1830 psi. ISIP after break 1700 psi. Max sand concentration 2#/gal. AIR 6 BPM, 8200 Scf/min. ATP 1823 psi. Max TP 1990 psi. TF 414 bbls. SL 393 bbls. Total N₂ 584,000 Scf. ISIP 1400 psi, 5 min 1350 psi, 10 min 1300 psi, 15 min 1300 psi. Perf RV 2010-2036' (10 holes). BD w/250 gal 15% HCL @ 2470 psi. ISIP @ B/D 2110 psi. 70,000# 20/40. Max conc. 2#/gal. AIR 5.7 BPM H₂O w/9200 Scf/M N₂ for 75 % Q foam. ATP 2530 psi. Max T/P 2650 psi. T/F 395 bbls, S/L 377 bbls. Total N₂ 818,000 Scf. ISIP 2380 psi, 5 min, 2250, 10 min 2200, 15 min 2100.

REMARKS

Form 26

2/16/82



**STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION
INSPECTOR'S PLUGGING REPORT**

Permit No. _____

Well No. _____

COMPANY _____ ADDRESS _____

FARM _____ DISTRICT _____ COUNTY _____

Filling Material Used _____

Liner			Location			Amount			Packer			Location		
PLUGS USED AND DEPTH PLACED						BRIDGES			CASING AND TUBING					
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION			RECOVERED	SIZE	LOST						

Drillers' Names _____

Remarks:

I hereby certify I visited the above well on this date.

DATE

DISTRICT WELL INSPECTOR

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION

RECEIVED
MAY 7 - 1985

OIL & GAS DIVISION
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Oil or Gas Well Gas
(KIND)

Wyo-109-0955
Permit No.

Company Cobot. oil & Gas
 Address Charleston, W.V.
 Farm Mumpk.
 Well No. C-6
 District Oceana County Wayne
 Drilling commenced 3-11-85
 Drilling completed _____ Total depth _____
 Date shot _____ Depth of shot _____
 Initial open flow _____ /10ths Water in _____ Inch
 Open flow after tubing _____ /10ths Merc. in _____ Inch
 Volume _____ Cu. Ft.
 Rock pressure _____ lbs. _____ hrs.
 Oil _____ bbls., 1st 24 hrs.
 Fresh water _____ feet _____ feet
 Salt water _____ feet _____ feet

CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Size			
16			Kind of Packer _____
13			
10			Size of _____
6 5/8			Depth set _____
5 3/16			
3			Perf. top _____
2			Perf. bottom _____
Liners Used			Perf. top _____
			Perf. bottom _____

CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____
 NAME OF SERVICE COMPANY _____
 COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
 _____ FEET _____ INCHES _____ FEET _____ INCHES
 _____ FEET _____ INCHES _____ FEET _____ INCHES

Drillers' Names Century Dry rig #4

Remarks: Access Road creating Erosion & Sedimentation problem. will notify Cobot. Road needs cross drains & Sedimentation

Barriers -
5-3-85

DATE

John C. S. Davis
DISTRICT WELL INSPECTOR

RECEIVED
 MAY 7 - 1982
 OIL & GAS DIVISION
 DEPT. OF MINES

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION
INSPECTOR'S PLUGGING REPORT

Permit No. _____

Well No. _____

COMPANY _____ ADDRESS _____

FARM _____ DISTRICT _____ COUNTY _____

Filling Material Used _____

Liner			Location		Amount	Packer	Location		
PLUGS USED AND DEPTH PLACED			BRIDGES			CASING AND TUBING			
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION			RECOVERED	SIZE	LOST	

Drillers' Names _____

Remarks:

_____ I hereby certify I visited the above well on this date.

DATE

DISTRICT WELL INSPECTOR

RECEIVED

JUN 12 1985

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES

OIL & GAS DIVISION OIL AND GAS WELLS DIVISION

DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. Wyo-109-0955

States (after Proc)

Oil or Gas Well (KIND) Gas

Company	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
<u>Cobot Oil Field W.Va.</u>	Size			
<u>Charleston, W.Va.</u>	16			Kind of Packer
<u>Murphy</u>	13			
<u>C-6</u>	10			Size of
<u>Oceana County Wyo</u>	8 1/4			
<u>4-11-75</u>	6 5/8			Depth set
<u>—</u>	5 3/16			
<u>—</u>	3			Perf. top
<u>—</u>	2			Perf. bottom
<u>—</u>	Liners Used			Perf. top
<u>—</u>				Perf. bottom

CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____

NAME OF SERVICE COMPANY _____

COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES

_____ FEET _____ INCHES _____ FEET _____ INCHES

_____ FEET _____ INCHES _____ FEET _____ INCHES

Drillers' Names Century Dig Co. Rig #1

Remarks: Location need work. Road Creating Schemation problem. will notify Cobot Well has been treated but not tied into Line or producing
6-11-85 procedure poor!

William C. St. Clair
DISTRICT WELL INSPECTOR

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION
INSPECTOR'S PLUGGING REPORT

RECEIVED
JUN 1 1982
OIL & GAS DIVISION
DEPT. OF MINES

Permit No. _____ Well No. _____

COMPANY _____ ADDRESS _____

FARM _____ DISTRICT _____ COUNTY _____

Filling Material Used _____

Liner	Location	Amount	Packer	Location			
PLUGS USED AND DEPTH PLACED			BRIDGES		CASING AND TUBING		
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION		RECOVERED	SIZE	LOST

Drillers' Names _____

Remarks:

_____ I hereby certify I visited the above well on this date.
DATE

DISTRICT WELL INSPECTOR

STATE OF WEST VIRGINIA
DEPARTMENT OF ~~MINES~~ ^{Energy}
OIL AND GAS WELLS DIVISION

4 SEP 85 8:23

REC'D. - CHAS.

INSPECTOR'S WELL REPORT

WYO 109-0955
Permit No.

Slots

Oil or Gas Well Gas
(KIND)

Company	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
<u>Cabot Oil & Gas</u>	Size			Kind of Packer
<u>Charleston, W.V.</u>	16			
<u>Murphy</u>	13			
<u>C-6</u>	10			Size of
<u>Oceana County Wyoming</u>	8 1/4			
<u>4-11-85</u>	6%			Depth set
	5 3/16			
	3			Perf. top
	2			Perf. bottom
	Liners Used			Perf. top
				Perf. bottom
	CASING CEMENTED	SIZE	No. FT.	Date
	NAME OF SERVICE COMPANY			
	COAL WAS ENCOUNTERED AT			
	FEET	INCHES	FEET	INCHES
	FEET	INCHES	FEET	INCHES
	FEET	INCHES	FEET	INCHES

Drillers' Names Dale Bro. - Reclamation Contractors

Remarks: Contractor move in on this location doing Reclamation & maintenance work all procedure good!

8-29-85
DATE

William C. St. Dawson
DISTRICT WELL INSPECTOR

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION
INSPECTOR'S PLUGGING REPORT

Permit No. _____

Well No. _____

COMPANY _____ ADDRESS _____

FARM _____ DISTRICT _____ COUNTY _____

Filling Material Used _____

Liner		Location		Amount	Packer	Location	
PLUGS USED AND DEPTH PLACED			BRIDGES		CASING AND TUBING		
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION		RECOVERED	SIZE	LOST

Drillers' Names _____

Remarks:

Remarks: 1. Cement plug placed in well at depth of 100 feet. 2. Wood plug placed in well at depth of 150 feet. 3. Lead placed in well at depth of 200 feet. 4. Construction of well completed. 5. Well sealed and abandoned. 6. All equipment removed from well site. 7. Well is now in good condition.

_____ I hereby certify I visited the above well on this date.
DATE

_____ DISTRICT WELL INSPECTOR

IR-21

STATE OF WEST VIRGINIA
DEPARTMENT OF ~~MINES~~ Energy
OIL AND GAS WELLS DIVISION

20 SEP 85 11:48
REC'D - CRUIS.

INSPECTOR'S WELL REPORT

Wyo 109-0955
Permit No. _____

Final Incomplete

Oil or Gas Well Gas
(KIND)

Company	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address	Size			
Farm	16			Kind of Packer
Well No.	13			
District	10			Size of
County	8 3/4			
Drilling commenced	6 5/8			Depth set
Drilling completed	5 3/16			
Date shot	3			Perf. top
Depth of shot	2			Perf. bottom
Initial open flow	Liners Used			Perf. top
/10ths Water in				Perf. bottom
Inch				
Open flow after tubing				
/10ths Merc. in				
Inch				
Volume	CASING CEMENTED	SIZE	No. FT.	Date
Cu. Ft.	NAME OF SERVICE COMPANY			
Rock pressure	COAL WAS ENCOUNTERED AT			
lbs.	FEET			
hrs.	INCHES			
Oil	FEET			
bbls., 1st 24 hrs.	INCHES			
Fresh water	FEET			
feet	INCHES			
feet	FEET			
Salt water	INCHES			
feet	FEET			
feet	INCHES			

Names Dale Bro. - Reclaiming

Remarks:
Over access Road 5' on location,
Cannot pass for fuel. Grass is not up well
Respect @ a later date. Fattiger line looks good
9-18-85 Final Incomplete John C. St. Clair
DISTRICT WELL INSPECTOR

**STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION
INSPECTOR'S PLUGGING REPORT**

Permit No. _____

Well No. _____

COMPANY _____ ADDRESS _____

FARM _____ DISTRICT _____ COUNTY _____

Filling Material Used _____

Liner		Location		Amount	Packer	Location		
PLUGS USED AND DEPTH PLACED			BRIDGES		CASING AND TUBING			
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION		RECOVERED	SIZE	LOST	

Drillers' Names _____

Remarks: _____

_____ I hereby certify I visited the above well on this date.
DATE

DISTRICT WELL INSPECTOR

INSPECTOR'S PERMIT SUMMARY FORM

(11-31-85)

WELL TYPE GAS
ELEVATION 1877
DISTRICT Oceana
QUADRANGLE Oceana
COUNTY Lucy

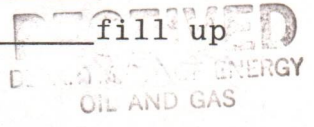
API# 47-109-0955
OPERATOR Cabot Oil & Gas
TELEPHONE _____
FARM MURPHY
WELL # C-6

SURFACE OWNER Simmon Tank Land Co COMMENTS _____ TELEPHONE _____
TARGET FORMATION Wen DATE APPLICATION RECEIVED 1-11-85

DATE STARTED _____
LOCATION 4-3-85 NOTIFIED DRILLING COMMENCED 4-11-85

WATER DEPTHS 225', SW 137', _____
COAL DEPTHS 85-36", 358-24", 55-36"

CASING
Ran 30' feet of 1 1/2" "pipe on CTS with _____ fill up
Ran 1630' feet of 8 5/8" "pipe on CTS with _____ fill up
Ran 3465' feet of 7 1/2" "pipe on 1500' with _____ fill up
Ran _____ feet of _____ "pipe on _____ with _____ fill up
TD 3500 feet on _____



PLUGGING

MAY 5 1986

Type	From	To	Pipe Removed

Pit Discharge date: KalB. Type not notified
Field analysis ph _____ fe _____ cl _____
Well Record received _____

Date Released 5-1-86

[Signature]
Inspector's signature

API# 47109 - 0955

LIST ALL VISITS FOR THIS PERMIT

Century Reg # 1

	DATE	TIME	PURPOSE	COMMENTS
1	3-7-	Am.	Status	Road blocked off
2	3-11-85		Commence	cutting Right a way
3	4-3-85		over	Road Status
4				
5	4-10-85		moving	Dry, Reg on
6				
7	4-15-85		Run 8 1/2	CSG - CTS
8				
9	6-11-85		Status	not Reclaimed
10	10-14-85		Status	not complete
11	4-4-86		moles	waking Road ? Slip
12				
13	5-7-86		final	good.
14				
15				
16				
17				
18				
19				
20				

Notes

RECEIVED

JUN 21 1985

**OIL & GAS DIV.
DEPT. OF MINES**
N/A

1.0 API well number: (If not available, leave blank. 14 digits.)	47- 109 - 0955			
2.0 Type of determination being sought: (Use the codes found on the front of this form.)	103 Section of NGPA		N/A Category Code	
3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)	3576 feet			
4.0 Name, address and code number of applicant: (35 letters per line maximum. If code number not available, leave blank.)	Cabot Oil & Gas Corporation of W.Va. Name P. O. Box 628 Street Charleston WV 25322 City State Zip Code			000728 Seller Code
5.0 Location of this well: [Complete (a) or (b).] (a) For onshore wells (35 letters maximum for field name.)	Oceana Field Name Wyoming WV County State			
(b) For OCS wells:	N/A Area Name Block Number Date of Lease: Mo. Day Yr. OCS Lease Number			
(c) Name and identification number of this well: (35 letters and digits maximum.)	Murphy C-6			
(d) If code 4 or 5 in 2.0 above, name of the reservoir: (35 letters maximum.)	N/A			
6.0 (a) Name and code number of the purchaser: (35 letters and digits maximum. If code number not available, leave blank.)	Tennessee Gas Pipeline Company Name			018629 Buyer Code
(b) Date of the contract:	1 0 0 2 8 0 Mo. Day Yr.			
(c) Estimated annual production:	MMcf.			
7.0 Contract price: (As of filing date. Complete to 3 decimal places.)	(a) Base Price (\$/MMBTU)	(b) Tax	(c) All Other Prices [Indicate (+) or (-).]	(d) Total of (a), (b) and (c)
8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)				
9.0 Person responsible for this application:	H. Baird Whitehead Name Regional Manager Drilling & Production Title <i>H. Baird Whitehead</i> Signature June 21, 1985 Date Application is Completed (304) 347-1600 Phone Number			
Agency Use Only				
Date Received by Juris. Agency	JUN 21 1985			
Date Received by FERC				

JUL 15 1985

COVER SHEET, STATE APPLICATION FOR WELL CLASSIFICATION

Date: June 21, 19 85

8150

AGENCY USE ONLY

Applicant's Name: Cabot Oil & Gas Corporation of WV

WELL DETERMINATION FILE NUMBER

Address: P. O. Box 628

850621 -1030-109 - 0955

Charleston, WV 25322

Use Above File Number on all
Communications Relating to This Well

Gas Purchaser Contract No. GSC151

Date of Contract 10/2/80
(Month, day and year)

First Purchaser: Tennessee Gas Pipeline Company

Designated Agent: H. Baird Whitehead

Address: P. O. Box 2511

Address: P. O. Box 628

(Street or P.O. Box)

Houston, TX 77001

Charleston, WV 25322

(City) (State) (Zip Code)

FERC Seller Code 000728

FERC Buyer Code 018629

NAME AND TITLE OF PERSON TO WHOM QUESTIONS CONCERNING THIS APPLICATION SHALL
BE ADDRESSED:

Name: Ed Hindman
(Print)

Regulatory Assistant
(Title)

Signature: Ed Hindman

Address: P. O. Box 628
(Street or P.O. Box)

Charleston WV 25322

(City) (State) (Zip Code)

Telephone: (304) 347-1600
(Area Code) (Phone Number)

(Certificate of Proof of Service to Purchaser)

Copy sent to Purchaser by Certified Mail P753 224 789 on June 21, 1985

NGPA Category Applied For

NGPA SECTION/SUBSECTION

102 New Natural Gas

- 102-2 2.5 Mile Test
- 102-3 1000 Foot Deeper Test
- 102-4 New Onshore Reservoir

108 Stripper Well Natural Gas

- 108- Stripper Well
- 108-1 Seasonally Affected
- 108-2 Enhanced Recovery
- 108-3 Temporary Pressure Buildup

103 New Onshore Production Well

- 103 New Onshore Production Well

107 High Cost Natural Gas

- 107-0 Deep (more than 15,000 feet)
- 107-1 Geopressured Brine
- 107-2 Coal Seams
- 107-3 Devonian Shale
- 107-5 Production enhancement
- 107-6 New Tight Formation
- 107-7 Recompletion Tight Formation

AGENCY USE ONLY

QUALIFIED

RECEIVED

JUN 21 1985

OIL & GAS DIV.
DEPT. OF MINES

Date Received

Determination Date

Date June 21, 1985

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES, OIL AND GAS DIVISION

Operator's Well No. Murphy C-6

API Well No. 47 - 109 - 0955
State County Permit

WELL CLASSIFICATION FORM
NEW ONSHORE PRODUCTION WELL

NGPA Section 103

DESIGNATED AGENT H. Baird Whitehead

ADDRESS P. O. Box 628

Charleston, WV 25322

WELL OPERATOR Cabot Oil & Gas Corp. of WV

LOCATION: Elevation 1877' GL

ADDRESS P. O. Box 628

Watershed Simmons Fork of Clear Creek

Charleston, WV 25322

Dist. Oceana County Wyoming Quad. Matheny 7-1/2

GAS PURCHASER Tennessee Gas Pipeline Co.

Gas Purchase Contract No. GSC151

ADDRESS P. O. Box 2511

Meter Chart Code N/A

Houston, TX 77001

Date of Contract 10/2/80

* * * * *

Date surface drilling was begun: 4/11/85

Indicate the bottom hole pressure of the well and explain how this was calculated:

Mxt R_v/W, BL.

$$BHP = P_1 + P_1(eGL/53.34T - 1)$$

$P_1 = 465/485$ PSIA
 $T = 84/92$
 $G = 0.63$
 $L = 2352/3185$

$BHP = 492/524$ PSIA

AFFIDAVIT

I, H. Baird Whitehead, having been first sworn according to law state that surface drilling of the well for which this determination is sought was begun on or after February 19, 1977; the well satisfies applicable state or federal well spacing requirements and the well is not within a proration unit, in existence at the time surface drilling began, which was applicable to the reservoir from which gas is or will be produced and which applied to any other well producing gas in commercial quantities or on which surface drilling began on or after February 19, 1977, and which was capable of producing gas in commercial quantities. I state, further, that I have concluded, to the best of my information, knowledge and belief, that the well for which this determination is sought is a new onshore production well and that I am not aware of any information not described in the application which is inconsistent with this conclusion.

H. Baird Whitehead

STATE OF WEST VIRGINIA,
COUNTY OF Kanawha, TO WIT:

I, Lorene Miller, a Notary Public in and for the state and county aforesaid, do certify that H. Baird Whitehead, whose name is signed to the writing above, bearing date the 21st day of June, 1985, has acknowledged the same before me, in my county aforesaid.

Given under my hand and official seal this 21st day of June, 1985.

My term of office expires on the 5th day of March, 1989.

[NOTARIAL SEAL]

Lorene Miller
Notary Public

FERC-121

<p>1.0 API well number: (If not available, leave blank. 14 digits.)</p>	<p>47- 109 - 0955</p>				
<p>2.0 Type of determination being sought: (Use the codes found on the front of this form.)</p>	<p>107TS Section of NGPA</p>	<p>Weir Big Line Ravenclyff</p>	<p>6 Category Code</p>		
<p>3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)</p>	<p>3576 feet</p>				
<p>4.0 Name, address and code number of applicant: (35 letters per line maximum. If code number not available, leave blank.)</p>	<p>Cabot Oil & Gas Corporation of W.Va.</p>		<p>000728 Seller Code</p>		
	<p>Name P. O. Box 628</p>				
	<p>Street Charleston</p>		<p>WV</p>	<p>25322 Zip Code</p>	
	<p>City</p>		<p>State</p>		
<p>5.0 Location of this well: [Complete (a) or (b).] (a) For onshore wells (35 letters maximum for field name.)</p>	<p>Oceana Field Name Wyoming County WV State</p>				
<p>(b) For OCS wells:</p>	<p>N/A</p>				
	<p>Area Name</p>		<p>Block Number</p>		
	<p>Date of Lease:</p>				
	<p>Mo.</p>	<p>Day</p>	<p>Yr.</p>	<p>OCS Lease Number</p>	
<p>(c) Name and identification number of this well: (35 letters and digits maximum.)</p>	<p>Murphy C-6</p>				
<p>(d) If code 4 or 5 in 2.0 above, name of the reservoir: (35 letters maximum.)</p>	<p>N/A</p>				
<p>6.0 (a) Name and code number of the purchaser: (35 letters and digits maximum. If code number not available, leave blank.)</p>	<p>Tennessee Gas Pipeline Company</p>		<p>018629 Buyer Code</p>		
	<p>Name</p>				
<p>(b) Date of the contract:</p>	<p>1 0 0 2 8 0 Mo. Day Yr.</p>				
<p>(c) Estimated annual production:</p>	<p>MMcf.</p>				
		<p>(a) Base Price (\$/MMBTU)</p>	<p>(b) Tax</p>	<p>(c) All Other Prices [Indicate (+) or (-).]</p>	<p>(d) Total of (a), (b) and (c)</p>
<p>7.0 Contract price: (As of filing date. Complete to 3 decimal places.)</p>		<p>---</p>	<p>---</p>	<p>---</p>	<p>---</p>
<p>8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)</p>		<p>---</p>	<p>---</p>	<p>---</p>	<p>---</p>
<p>9.0 Person responsible for this application:</p>	<p>H. Baird Whitehead</p>		<p>Regional Manager Drilling & Production</p>		
<p>Agency Use Only</p>	<p>Name</p>		<p>Title</p>		
<p>Date Received by Juris. Agency JUN 21 1985</p>	<p><i>H. Baird Whitehead</i> Signature</p>				
<p>Date Received by FERC</p>	<p>June 21, 1985</p>		<p>(304) 347-1600 Phone Number</p>		
	<p>Date Application is Completed</p>				

JUL 15 1985

COVER SHEET, STATE APPLICATION FOR WELL CLASSIFICATION

Date: June 21, 19 85

AGENCY USE ONLY

TF

Applicant's Name: Cabot Oil & Gas Corporation of WV ⁸¹⁵⁰

Address: P. O. Box 628
Charleston, WV 25322

Gas Purchaser Contract No. GSC151

Date of Contract 10/2/80
(Month, day and year)

First Purchaser: Tennessee Gas Pipeline Company ⁹⁶²⁷

Address: P. O. Box 2511
(Street or P.O. Box)
Houston, TX 77001
(City) (State) (Zip Code)

FERC Seller Code 000728

WELL DETERMINATION FILE NUMBER
850621-1076-109-0955
Use Above File Number on all
Communications Relating to This Well

Designated Agent: H. Baird Whitehead

Address: P. O. Box 628
Charleston, WV 25322

FERC Buyer Code 018629

NAME AND TITLE OF PERSON TO WHOM QUESTIONS CONCERNING THIS APPLICATION SHALL BE ADDRESSED:

Name: Ed Hindman (Print) Regulatory Assistant (Title)

Signature: Ed Hindman

Address: P. O. Box 628
(Street or P.O. Box)
Charleston WV 25322
(City) (State) (Zip Code)

Telephone: (304) 347-1600
(Area Code) (Phone Number)

(Certificate of Proof of Service to Purchaser)

Copy sent to Purchaser by Certified Mail P753 224 789 on June 21, 1985

NGPA Category Applied For

NGPA SECTION/SUBSECTION

102 New Natural Gas

- 102-2 2.5 Mile Test
- 102-3 1000 Foot Deeper Test
- 102-4 New Onshore Reservoir

108 Stripper Well Natural Gas

- 108- Stripper Well
- 108-1 Seasonally Affected
- 108-2 Enhanced Recovery
- 108-3 Temporary Pressure Buildup

103 New Onshore Production Well

- 103 New Onshore Production Well

107 High Cost Natural Gas

- 107-0 Deep (more than 15,000 feet)
- 107-1 Geopressured Brine
- 107-2 Coal Seams
- 107-3 Devonian Shale
- 107-5 Production enhancement
- 107-6 New Tight Formation (Weir, B.L., Rvc1.)
- 107-7 Recompletion Tight Formation

AGENCY USE ONLY

OK
QUALIFIED

RECEIVED

JUN 21 1985

OIL & GAS DIV.
DEPT. OF MINES

Date Received

Determination Date

WELL CLASSIFICATION FORM
HIGH COST GAS WELL - NEW TIGHT FORMATION
NGPA Section 107

WELL OPERATOR Cabot Oil & Gas Corporation
of West Virginia
ADDRESS P. O. Box 628
Charleston, WV 25322
GAS PURCHASER Tennessee Gas Pipeline Co.
ADDRESS P. O. Box 2511
Houston, TX 77001

DESIGNATED AGENT H. Baird Whitehead
ADDRESS P. O. Box 628
Charleston, WV 25322
LOCATION Elevation 1877' GL
Watershed Simmons Fork of Clear Creek
Dist. Oceana County Wyoming Quad Matherly 7-1/2
Gas Purchase Contract No. GSC151
Meter Chart Code N/A
Date of Contract 10/2/80

* * * * *

Date surface drilling began 4/11/85

Indicate the bottom hole pressure of the well and explain how this was calculated.

BHP = $P_1 + P_1(eGL/53.34T_1)$ $P_1 = \frac{R_{vel}/W \cdot BL}{T} \cdot G \cdot L$
 $P_1 = \frac{465/485}{80/92} \cdot 0.63 \cdot 2023/3185$ PSIA
BHP 188 PSIA
1524

AFFIDAVIT

I, Paul L. Gebhard, having been first sworn according to law, state that, surface drilling of the well for which this determination is sought was begun on or after July 16, 1979, the gas is being produced from a designated tight formation and I have no knowledge of any information not described in the application which is inconsistent with a conclusion that the well qualifies as a high cost natural gas well.

Paul L. Gebhard

STATE OF WEST VIRGINIA,
COUNTY OF Kanawha TO WIT.

I, Lorene Miller, a Notary Public in and for the state and county aforesaid, do certify that Paul L. Gebhard, whose name is signed to the writing above, bearing date the 21st day of June, 1985, has acknowledged the same before me, in my county aforesaid.

Given under my hand and official seal this 21st day of June, 1985.
My term of office expires on the 5th day of March, 1989.

Lorene Miller
Notary Public

NOTARIAL SEAL

107TS
K.V.C.L. BL
Weir

FILING NO. _____

COMPANY CABOT OIL & GAS CORPORATION

WELL C. W. MURPHY NO. C-6

FIELD _____

COUNTY WYOMING STATE WEST VIRGINIA

LOCATION: PERMIT NO: 47-109-0955

WATERSHED: SIMMONS FORK

QUADRANGLE: MATHENY 7-1/2

DISTRICT: OCEANA

SEC _____ TWP _____ RGE _____

Other Services
GR-CDL
AUDIO-TEMP.

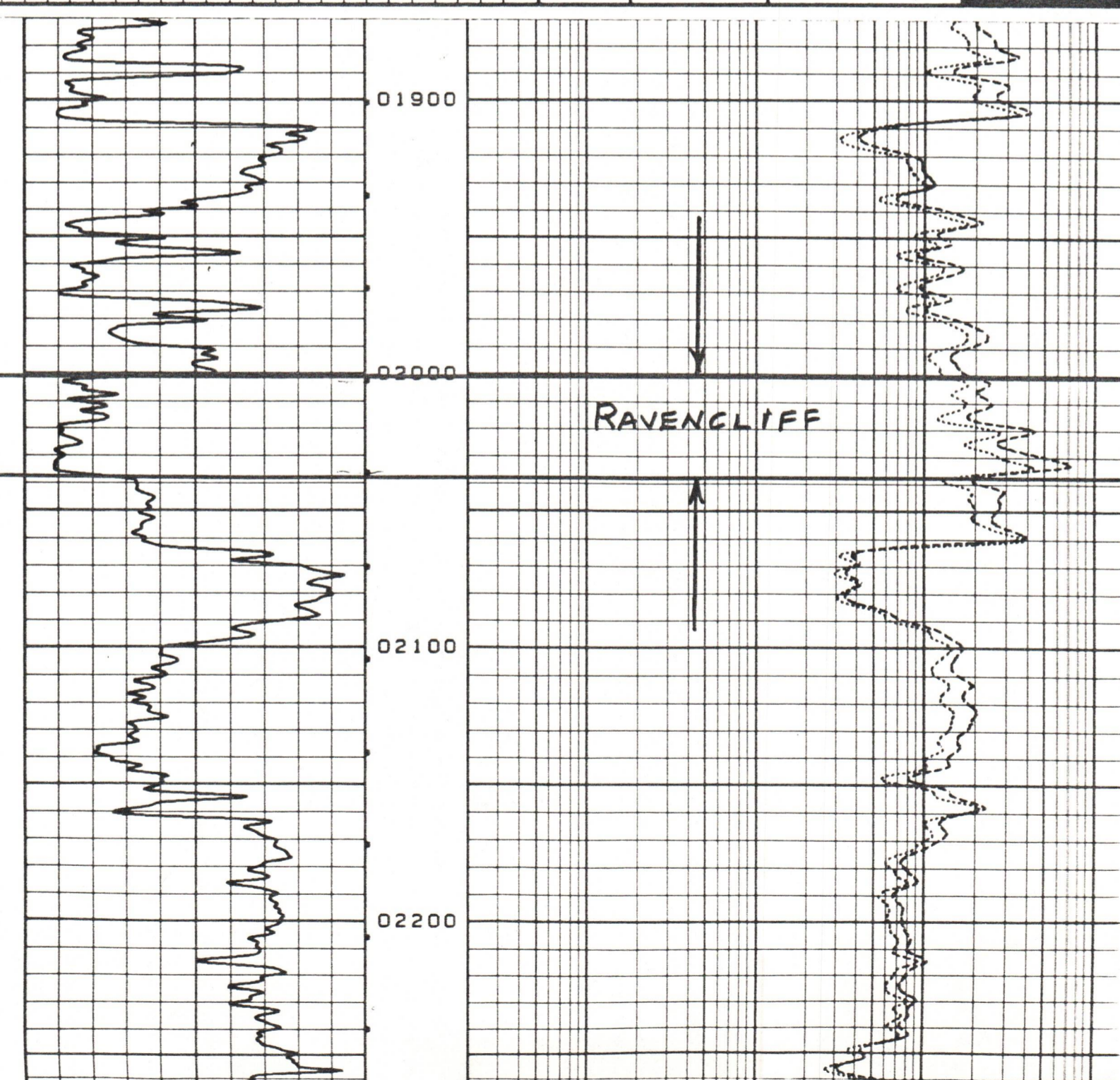
Permanent Datum _____ Elev. 1877

Log Measured from K.B. _____ 10 Ft. Above Perm. Datum

Drilling Measured from K.B. _____

Elev.: K.B. 1887
D.F. 1886
G.L. 1877

Date	4-17-85			
Run No.	ONE			
Depth-Driller	3575			
Depth-Logger	3576			
Bottom Logged Interval	3572			
Top Logged Interval	1662			
Logging-Driller	8-5/8 @ 1649	@	@	@
Logging-Logger	1662			
Bit Size	7-7/8			
Type Fluid in Hole	AIR			
Density	N.A.			
Viscosity	N.A.			
Fluid Loss	N.A.	cc	cc	cc
Source of Sample	N.A.			
Rm @ Meas. Temp.	N.A.	@	@	@
Rmf @ Meas. Temp.	N.A.	@	@	@
Rmc @ Meas. Temp.	N.A.	@	@	@
Source of Rmf	N.A.			
Rm @ BHT	N.A.	@	@	@
End Circulation	N.A.			
Logger on bottom	01:56			
Max. Rec. Temp. Deg. F.	87°	°F	°F	°F
Equip. No.	7623	CLARKSBURG		
Recorded By	T. MULCAHY			



GEARHART

DUAL INDUCTION

10773
RUC BL
WELL

FILING NO.

COMPANY CABOT OIL & GAS CORPORATION

WELL C. W. MURPHY NO. C-6

FIELD

COUNTY WYOMING STATE WEST VIRGINIA

LOCATION: PERMIT NO: 47-109-0955

WATERSHED: SIMONS FORK
QUADRANGLE: MATHENY 7-1/2
DISTRICT: OCEANA

Other Services

GR-CDL
AUDIO-TEMP.

Permanent Datum G.L. 1877

Log Measured from K.B. 10 Ft. Above Perm. Datum

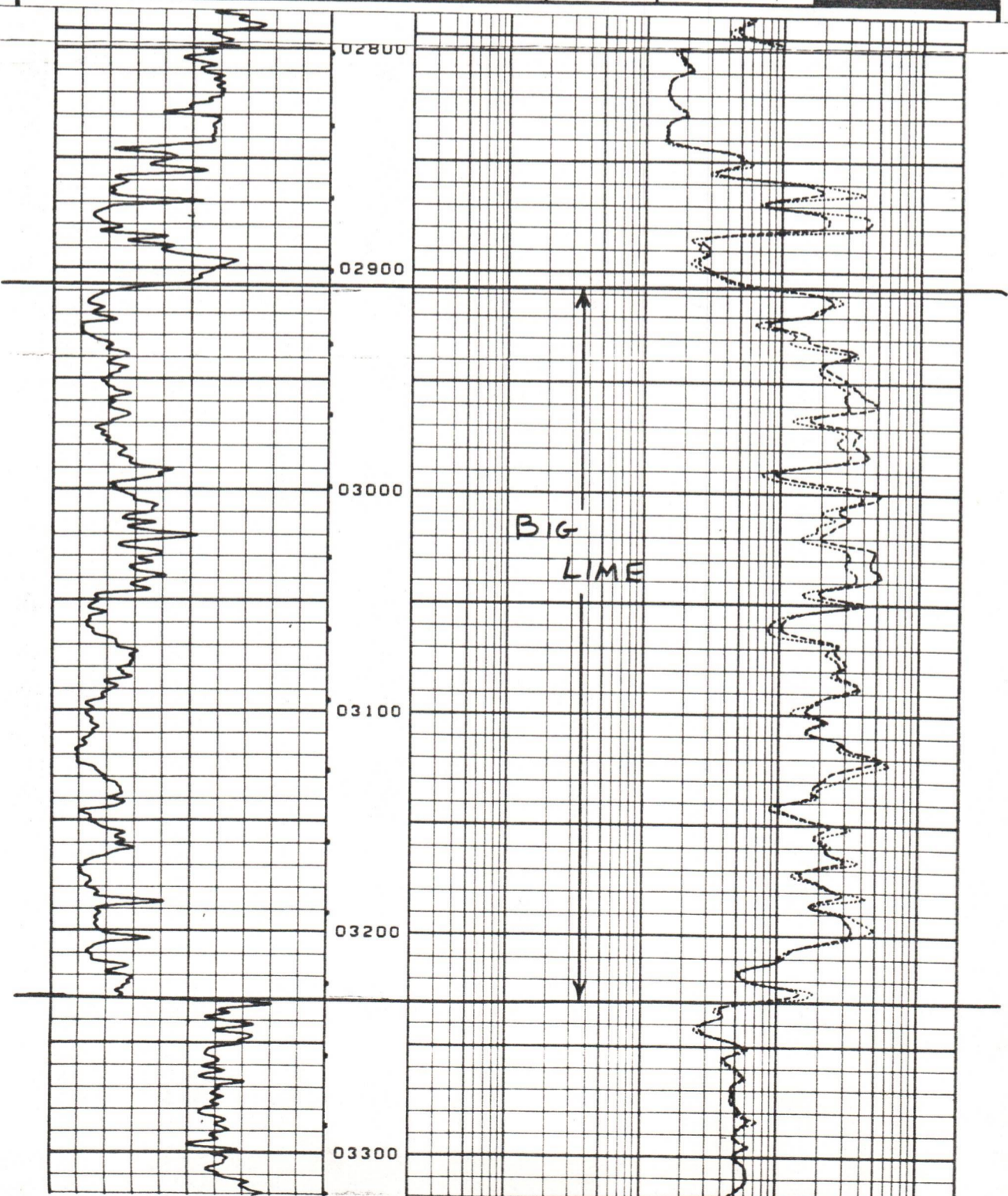
Drilling Measured from K.B.

Elev: K.B. 1887

D.F. 1886

G.L. 1877

Date	4-17-85
Run No.	ONE
Depth-Driller	3575
Depth-Logger	3576
Bottom Logged Interval	3572
Top Logged Interval	1662
Casing-Driller	8-578 @ 1649
Casing-Logger	1662
Bit Size	7-7/8
Type Fluid in Hole	AIR
Density	N.A.
Viscosity	N.A.
pH	N.A.
Fluid Loss	cc
Source of Sample	N.A.
Rm @ Meas. Temp.	N.A. @ +F
Rm @ Meas. Temp.	N.A. @ +F
Rmc @ Meas. Temp.	N.A. @ +F
Rmc @ Meas. Temp.	N.A. @ +F
Source of Rmf	Rmc
Rm @ BHT	N.A. @ +F
End Circulation	N.A.
Logger on bottom	01:56
Max. Rec. Temp. Deg. F.	87.0 +F
Equip. No.	7623
Location	CLARKSBURG
Recorded By	T. MULCAHY
Witnessed By	MR. T. OTT



10775
BL
WEIR

FILING NO.

COMPANY CABOT OIL & GAS CORPORATION

WELL C. W. MURPHY NO. C-6

FIELD _____

COUNTY WYOMING STATE WEST VIRGINIA

LOCATION: PERMIT NO: 47-109-0955

WATERSHED: SIMMONS FORK

QUADRANGLE: MATHENY 7-1/2

DISTRICT: OCEANA

Other Services
GR-CDL
AUDIO-TEMP.

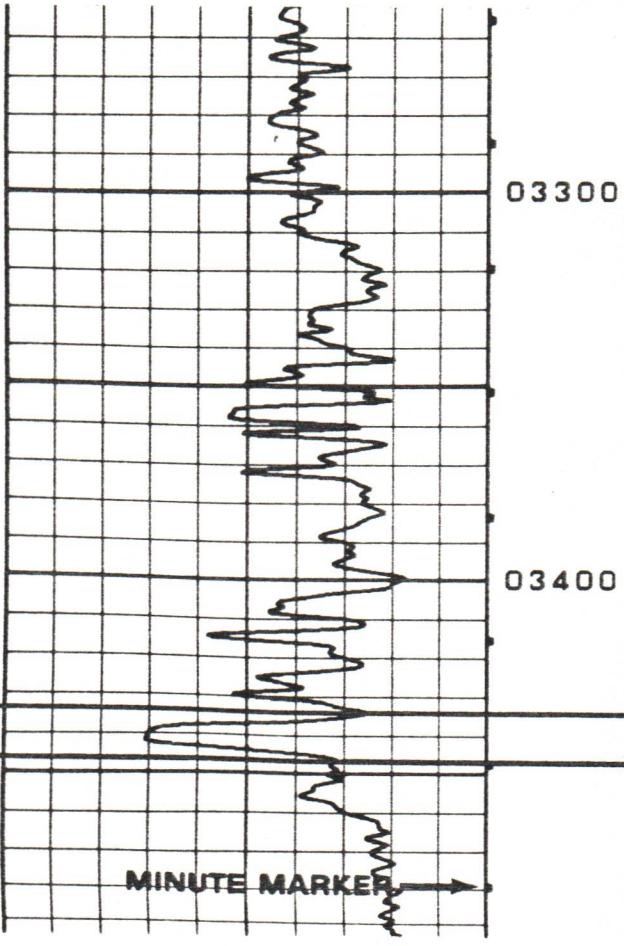
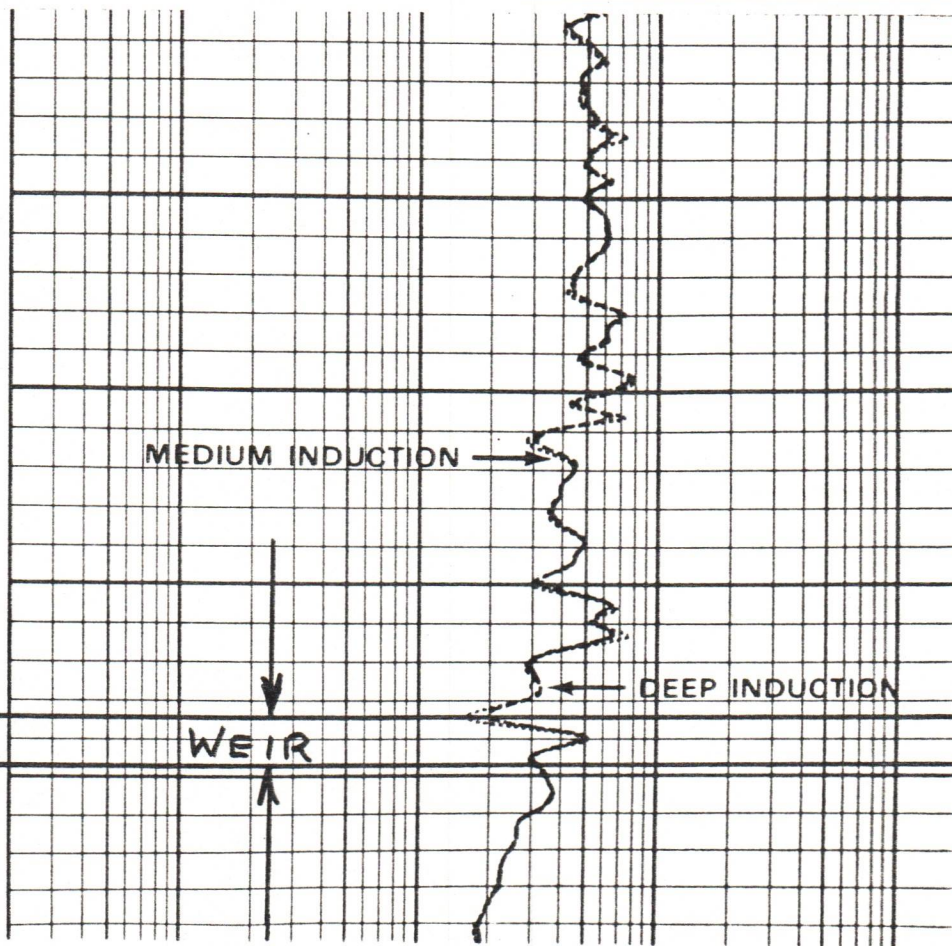
SEC _____ TWP _____ RGE _____

Permanent Datum G.L. Elev. 1877

Logging Measured from K.B. Elev. 10 Ft. Above Perm. Datum

Logging Measured from K.B. Elev.: K.B. 1887
D.F. 1886
G.L. 1877

Date	4-17-85			
Run No.	ONE			
Depth-Driller	3575			
Depth-Logger	3576			
Bottom Logged Interval	3572			
Depth Logged Interval	1662			
Depth-Driller	8-5/8	1649		
Depth-Logger	1662			
Size	7-7/8			
Fluid in Hole	AIR			
Density	N.A.			
Viscosity	N.A.			
Fluid Loss	N.A.	cc	cc	cc
Source of Sample	N.A.			
Rm @ Meas. Temp.	N.A.	°F	°F	°F
Rmt @ Meas. Temp.	N.A.	°F	°F	°F
Rmc @ Meas. Temp.	N.A.	°F	°F	°F
Source of Rmt	N.A.			
Rm @ BHT	N.A.	°F	°F	°F
End Circulation	N.A.			
Logger on bottom	01:56			
Max. Rec. Temp. Deg. F.	87°	°F	°F	°F
Strip No.	7623	CLARKSBURG		
Operator	T. MILLICAHY			



LATITUDE 37° 42' 30"

5700'

LONGITUDE 81° 35' 00"

M. SPENCE
C.C. SPENCE
R. BLACKBURN
B.T. HOLLOWAY
G.D. & M.H. MITCHEM
B. & M. ACORD
W.J. & L. MATENY
H. & V. SIZEMORE
H. SIZEMORE

EASTERN GAS & FUEL ASSOC.

POCAHONTAS LAND CORP.

CONSOLIDATED GAS
TRANSMISSION CORP.

BROWN, ALVIN, PROFIT
ALVALINE

M.G. & R.W. WEST

TONEY FORK

NORFOLK & WESTERN R.R.

G.C. HEDRICK

W.D. LAFFERTY
& H.L. KELSEL

SIMMONS FORK
LAND COMPANY

D.B. 344 PG. 975
1104.69 AC.

LUGAR
LUMBER
CO.

CARIBBEAN VENTURES
GROUP INC.

NORTH

D.CAMP

0276

0813

214P

S 81° 45' 51" W
7450.48

6092.98'
N 68° 16' 22" W

C.W.
MURPHY
C-6

INDEPENDENT
BAPTIST CHURCH

GL. & L.B. CHAMBERS

V.E. WALKER

T.H. & E.K.
STEWART

BLACK
WALNUT

HICKORY BY ROCKS
ON KNOB (FND.)

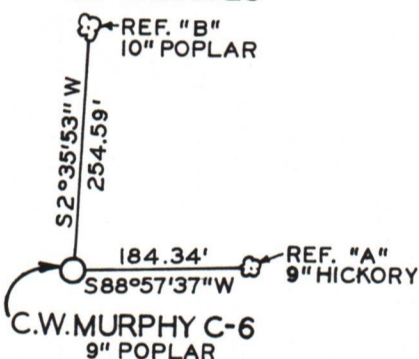
STAKE

CHESTNUT OAK
ON RIDGE

STAKE

TRIPLE LYNN
CHICKORY FND.

REFERENCES



DEED CALLS

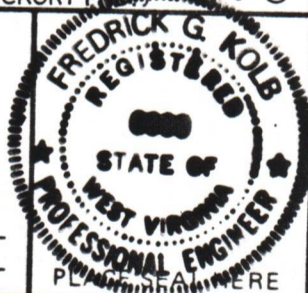
- (A) S 25° 33' E - 364.6'
- (B) S 31° 33' W - 209.6'
- (C) N 62° 48' W - 407.3'
- (D) S 44° 25' W - 48.5'

SUREY BEARINGS
BASED ON
MAGNETIC DEC., 1984

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 2000'
 MINIMUM DEGREE OF
 ACCURACY 1:2500
 PROVEN SOURCE OF
 ELEVATION Plugged Well
No. 214 Elevation 1611

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 REGU-
 LATIONS ISSUED AND PRESCRIBED BY THE DEPART-
 MENT OF MINES.

(SIGNED) Frederick G. Kolb
 R.P.E. 6999 W.V. L.L.S.



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



DATE January 7 19 85
 OPERATOR'S WELL NO. C.W. Murphy C-6
 API WELL NO.

47 - 109 - 0955
 STATE COUNTY PERMIT

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

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

LOCATION: ELEVATION 1877.47 WATER SHED Simmons Fork of Clear Fork
 DISTRICT Oceana COUNTY Wyoming
 QUADRANGLE Matheny

SURFACE OWNER Simmons Fork Land Company ACREAGE 1104.69 Ac.
 OIL & GAS ROYALTY OWNER Simmons Fork Land Company LEASE ACREAGE 1116 Ac.
 LEASE NO. 47-0471

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 WEIR ESTIMATED DEPTH 3465'
 WELL OPERATOR Cabot Oil & Gas Corp. of W.V. DESIGNATED AGENT David G. McCluskey
 ADDRESS P.O. Box 628 ADDRESS P.O. Box 628
Charleston, W.V. 25322 Charleston W.V. 25322