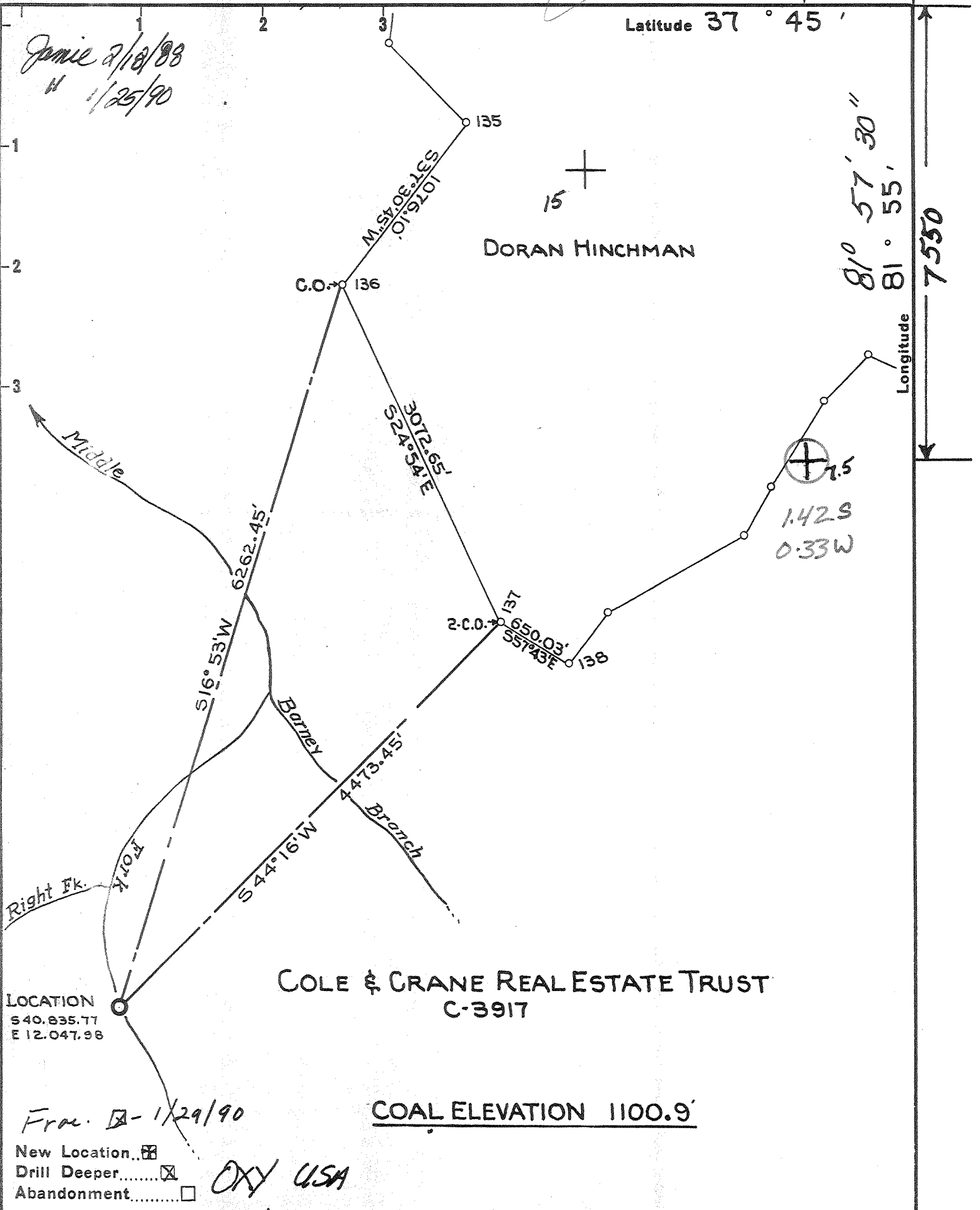


Janie 2/18/88
W 1/25/90

Latitude 37° 45'



Frac. - 1/29/90

New Location
 Drill Deeper
 Abandonment

OXY USA

| | |
|---|--|
| Company COLUMBIAN CARBON COMPANY | |
| Address BOX 873 CHARLESTON W.V.A. | |
| Farm COLE & CRANE REAL ESTATE TRUST | |
| Tract _____ | Acres 12,096.64 Lease No. C-3917 |
| Well (Farm) No. 2 | Serial No. GW-1213 |
| Elevation (Spirit Level) 1239.07' <i>MAN 7.5</i> | |
| Quadrangle GILBERT 3 NW S-137 W-368 | |
| County LOGAN | District LOGAN 2 |
| Engineer R. B. Anderson | |
| Engineer's Registration No. 2074 | |
| File No. _____ | Drawing No. W-3-55 |
| Date FEB. 23 1955 Scale 1" = 1000' | |

169

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

WELL LOCATION MAP
 FILE NO. **LOG-457-DD**
Frac.

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

- Denotes one inch spaces on border line of original tracing.

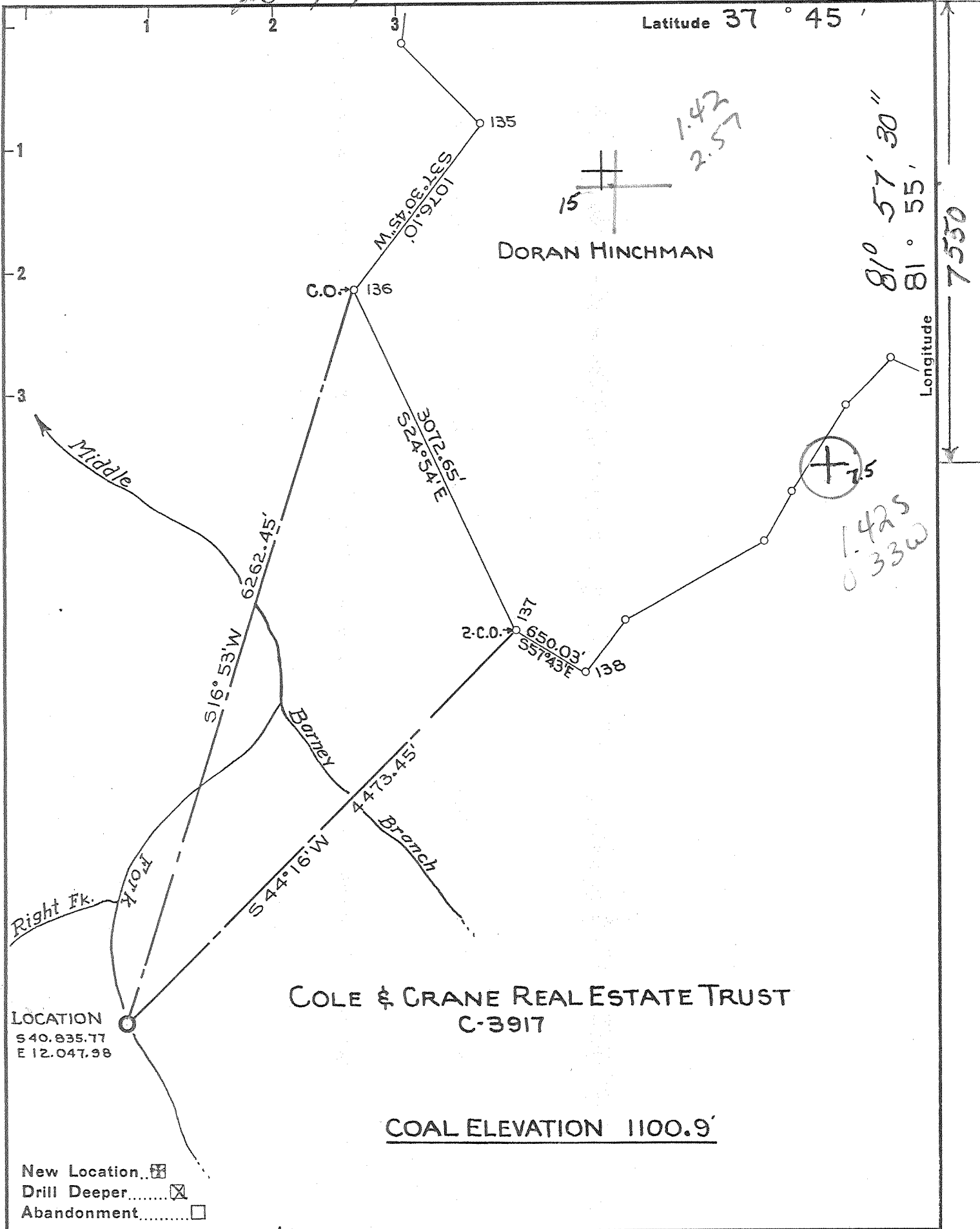
47-045

LOG. 457 DD-Frac.

2/18/88

1725

Latitude 37° 45'



LOCATION
 S 40.835.77
 E 12.047.98

COLE & CRANE REAL ESTATE TRUST
 C-3917

COAL ELEVATION 1100.9'

New Location...
 Drill Deeper.....
 Abandonment.....

Cities Service Oil & Gas Co.
 Company **COLUMBIAN CARBON COMPANY**
 Address **BOX 873 CHARLESTON W.VA.**
 Farm **COLE & CRANE REAL ESTATE TRUST**
 Tract _____ Acres **12.096.64** Lease No. **C-3917**
 Well (Farm) No. **2** Serial No. **GW-1213**
 Elevation (Spirit Level) **1239.07'** *MAN 7.5*
 Quadrangle **GILBERT 3** *049* **S-137 W-368**
 County **LOGAN** District **LOGAN** *2*
 Engineer *R. B. Anderson*
 Engineer's Registration No. **2074**
 File No. _____ Drawing No. **W-3-55**
 Date **FEB. 23 1955** Scale **1" = 1000'**

169

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

WELL LOCATION MAP
 FILE NO. **LOG-457-DD**

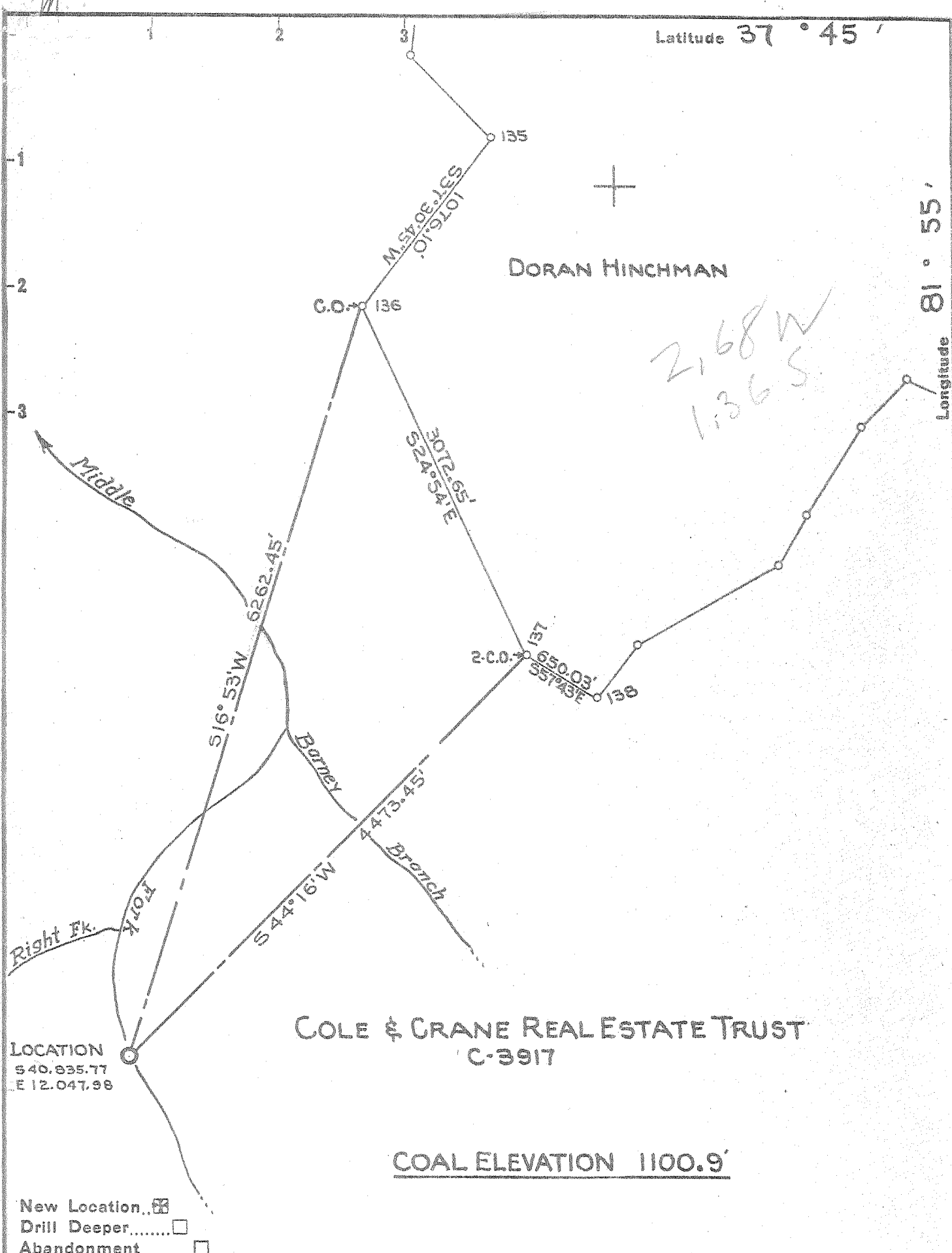
+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

FEB 29 1988

- Denotes one inch spaces on border line of original tracing.

47-045

DWDD DEEPWELL 6-6 Magnolia (265)
 5200' Dev. Shale



LOCATION
S 40.935.77
E 12.047.98

COLE & CRANE REAL ESTATE TRUST
C-3917

COAL ELEVATION 1100.9'

- New Location
- Drill Deeper
- Abandonment

| | |
|-----------------------------|-------------------------------------|
| Company | COLUMBIAN CARBON COMPANY |
| Address | BOX 873 CHARLESTON W.VA. |
| Farm | COLE & CRANE REAL ESTATE TRUST |
| Tract | Acres 12.096.64 Lease No. C-3917 |
| Well (Farm) No. | 2 Serial No. GW-1213 |
| Elevation (Spirit Level) | 1239.07' |
| Quadrangle | GILBERT 3 ^{SW} S-137 W-36B |
| County | LOGAN District LOGAN |
| Engineer | R. B. Anderson |
| Engineer's Registration No. | 2074 |
| File No. | Drawing No. W-3-55 |
| Date | FEB. 23 1955 Scale 1" = 1000' |

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

WELL LOCATION MAP
FILE NO. LOG-457

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.
- Denotes one inch spaces on border line of original tracing.

6-6 166 (205)



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION 2

Quadrangle Gilbert 3 NW

WELL RECORD

Permit No. Log-457

Oil or Gas Well Gas
(KIND)

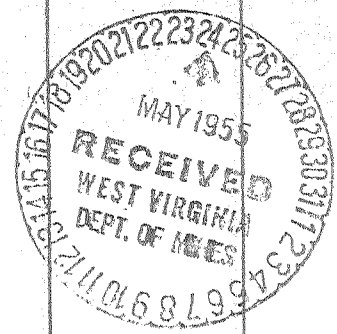
Company Columbian Carbon Company
Address Box 873, Charleston 23, W. Va.
Farm Cole & Crane R/E Trust Acres 12,096.64
Location (waters) Middle Fork
Well No. 2 - CV-1213 Elev. 1239.07' G
District Logan County Logan
The surface of tract is owned in fee by Cole & Crane R/E Tr.
815 Transportation Bldg Address Cincinnati, Ohio
Mineral rights are owned by same
Address _____
Drilling commenced 3-4-55
Drilling completed 5-16-55
Date Shot _____ From _____ To _____
With not shot

| Casing and Tubing | Used in Drilling | Left in Well | Packers |
|-------------------------------------|------------------|--------------|------------------------------|
| Size | | | |
| 16 | | | Kind of Packer <u>Midget</u> |
| 13 3/8" | 63'6" | 63'6" | btm. hole packer |
| 10 3/4" ¹⁰ 15 | 583'11" | 583'11" | Size of <u>10-3/4"</u> |
| 8 1/2" ^{21-28#} | 1747'10" | pulled | |
| 6 1/2" ^{26#} | 2157'5" | 2157'5" | Depth set <u>582'</u> |
| 5 8/16 | | | |
| 3 | | | Perf. top _____ |
| 2 | | | Perf. bottom _____ |
| Liners Used _____ | | | Perf. top _____ |
| | | | Perf. bottom _____ |

Open Flow 10ths Water in _____ Inch
blew mercury out of 200/10 M. 6-5/8" 26# Inch
10ths Merc. in _____ Inch
Volume estimated 22,000,000 Cu. Ft.
Rock Pressure 575 lbs. 1 hour _____ hrs.
Oil _____ bbls., 1st 24 hrs.
Fresh water 360' feet _____ feet
Salt water 1320' 1348' feet _____ feet

| CASING CEMENTED | SIZE | No. Ft. | Date |
|---|------|-----------|--|
| | | | |
| sec reverse side | | | |
| COAL WAS ENCOUNTERED AT <u>38</u> FEET <u>60</u> INCHES | | | |
| <u>118</u> | FEET | <u>72</u> | INCHES <u>360</u> FEET <u>148</u> INCHES |
| | FEET | | INCHES |

| Formation | Color | Hard or Soft | Top | Bottom | Oil, Gas or Water | Depth Found | Remarks |
|----------------|-------|--------------|------|--------|-------------------|-------------|-----------------|
| Surface | | | 0 | 10 | | | |
| Sand | | | 10 | 21 | | | |
| Shale & Shells | | | 21 | 38 | | | |
| Coal | | | 38 | 43 | | | |
| Shale & Shells | | | 43 | 57 | | | |
| Sand | | | 57 | 68 | | | |
| Shale | | | 68 | 118 | | | |
| Coal | | | 118 | 124 | | | |
| Shale | | | 124 | 135 | | | |
| Sand | | | 135 | 142 | | | |
| Shale & Shells | | | 142 | 152 | | | |
| Sand | | | 152 | 173 | | | |
| Shale & Shells | | | 173 | 185 | | | |
| Sand | | | 185 | 235 | | | |
| Shale & Shells | | | 235 | 334 | | | |
| Sand | | | 334 | 350 | | | |
| Shale & Shells | | | 350 | 360 | F. water | 360' | 1-13" blr/hr. |
| Coal | | | 360 | 364 | | | |
| Shale & Shells | | | 364 | 480 | | | |
| Sand | | | 480 | 530 | | | |
| Shale & Shells | | | 530 | 700 | | | |
| Sand | | | 700 | 705 | | | |
| Thin Shells | | | 705 | 787 | | | |
| Sand | | | 787 | 825 | | | |
| Shale | | | 825 | 869 | | | |
| Sand | | | 869 | 942 | | | |
| Shale & Shells | | | 942 | 946 | | | |
| Sand | | | 946 | 984 | | | |
| Thin | | | 984 | 1002 | | | |
| Sand | | | 1002 | 1076 | | | |
| Thin & Shells | | | 1076 | 1122 | | | |
| Sand | | | 1122 | 1169 | | | |
| Shale & Shells | | | 1169 | 1180 | | | |
| Sand | | | 1180 | 1290 | | | |
| Shale | | | 1290 | 1294 | | | |
| Sand | | | 1294 | 1676 | S. water | 1320' | 1/2 10" blr/hr. |
| Shale | | | 1676 | 1680 | S. water | 1348' | hole full |
| Sand | | | 1680 | 1692 | | | |
| Thin | | | 1692 | 1694 | | | |



| Formation | Color | Hard or Soft | Top ^z | Bottom | Oil, Gas or Water | Depth Found | Remarks |
|----------------|-----------------------|----------------------|---------------------|----------|---------------------------|-------------------|---------------|
| and | | | 1694 | 1715 | | | |
| lime Shells | | | 1715 | 1740 | | | |
| late & Shell | | | 1740 | 1785 | | | |
| ed Rock | | | 1785 | 1789 | | | |
| lime Shells | | | 1789 | 1928 | | | |
| ed Rock | | | 1928 | 2084 | | | |
| late & Shells | | | 2084 | 2164 | | | |
| lime Shells | | | 2164 | 2200 | | | |
| axon Sand | | | 2200 | 2240 | | | |
| lime Shells | | | 2240 | 2322 | | | |
| lime | | | 2322 | 2340 | | | |
| late & Shells | | | 2340 | 2350 | | | |
| and | | | 2350 | 2355 | | | |
| late | | | 2355 | 2384 | | | |
| pencil Cave | | | 2384 | 2387 | Gas: | | |
| ig Lime | 2438'DLM-2437'SIM | | 2387 | 2475 | 2542-2544' show | | |
| roken Lime | | | 2475 | 2482 | 2640-2641' 9/10 W. 1" | 31,630 cu. ft. | |
| ig Lime | | | 2482 | 2659 | 2641-2642' 20/10 M. 2" | 696 MCF | |
| | | TOTAL DEPTH | - - - - | 2659' | 2642-45' 3/10 M. 6-5/8" | 26# 2,312MCF | |
| | | | | | 2645-47' 26/10 M. 6-5/8" | 26# 6,798MCF | |
| | | | | | 2649-52' 27/10 M. 6-5/8" | 26# 6,930MCF | |
| | | | | | 2652-53' 38/10 M. 6-5/8" | 26# 8,216MCF | |
| | | | | | 2653-54' 49/10 M. 6-5/8" | 26# 8,945 MCF | |
| | | | | | 2654-56' 60/10 M. 6-5/8" | 26# 10,329MCF | |
| | | | | | 2656-57' 74/10 M. 6-5/8" | 26# 11,471MCF | |
| | | | | | 2657-58' 90/10 M. 6-5/8" | 26# 12,651MCF | |
| | | | | | 2658-59' 178/10 M. 6-5/8" | 26# 17,793MCF | |
| CASING RECORD: | | | | | | | |
| 4-55 | 10-3/4" casing ran at | 582'DLM with Midget | bottom hole packer. | Ran | 10 sacks | of Aquagel - | good returns. |
| 19-55 | 8-5/8" casing ran at | 1728'DLM with shoe. | Ran | 21 bags | of Aquagel - | good circulation. | |
| 4-55 | 6-5/8" casing ran at | 2437'SIM - 2438'DLM. | Ran | 26 sacks | of Aquagel - | good circulation. | |

Date May 19, 19 55

APPROVED Columbia Carbon Co. INC. , On

issued 2/23/80
190

FORM WW-2B

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS
WELL WORK PERMIT APPLICATION

- 1) Well Operator: ¹⁶⁹ Cities Service Oil & Gas Corporation 9800, 5, 456
- 2) Operator's Well Number: Cole Crane Trust A #2 (GW-1213) 3) Elevation: 1239.07'
- 4) Well type: (a) Oil / or Gas /
(b) If Gas: Production / Underground Storage /
Deep / Shallow /
- 5) Proposed Target Formation(s): Devonian Shale (44)
- 6) Proposed Total Depth: 5200 feet
- 7) Approximate fresh water strata depths: 360'
- 8) Approximate salt water depths: 1320' & 1348'
- 9) Approximate coal seam depths: 38', 118' & 360'
- 10) Does land contain coal seams tributary to active mine? Yes / No /
- 11) Proposed Well Work: Deepen existing well through Devonian Shale.
- 12) * New tubulars
No tubing to be pulled. **CASING AND TUBING PROGRAM**

| TYPE | SPECIFICATIONS | | | FOOTAGE INTERVALS | | CEMENT |
|--------------|----------------|-------|----------------|-------------------|--------------|-------------------|
| | Size | Grade | Weight per ft. | For drilling | Left in well | Fill-up (cu. ft.) |
| Conductor | 13-3/8" | | | 63' | 63' | |
| Fresh Water | 10-3/4" | | 40-45# | 582' | 582' | 10sx Aquagel |
| Coal | 8-5/8" | | 24-28# | 1728' | Pulled | 21sx Aquagel |
| Intermediate | 6-5/8" | | 26# | 2437' | 2437' | 26sx Aquagel |
| Production * | 4-1/2" | K-55 | 11.6# | 5200' | 5200' | 260 cu. ft. |
| Tubing * | 2-3/8" | J-55 | 4.7# | | 5150' | |
| Liners | | | | | | |

RECEIVED
FEB 16 1988

PACKERS : Kind _____
Sizes _____
Depths set _____
DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

For Division of Oil and Gas Use Only

6668 22100
5
Fee(s) paid: Well Work Permit Reclamation Fund WPCP
Plat WW-9 WW-2B Bond 50 Blanket Agent
(Type)

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FEB 16 1988

Page 1 of 3
Form WW2-A
(09/87)
File Copy

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

Date: February 10, 1988
Operator's well number
Cole & Crane Trust A-2, GW-1213
API Well No: 47 - 045 - 00457-DD
State - County - Permit

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

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

4) Surface Owner(s) to be served:
(a) Name Cole & Crane RET
Address 215 Frederick Bldg.
Huntington, WV 25701
(b) Name _____
Address _____
(c) Name _____
Address _____
6) Inspector Arthur St. Clair
Address P. O. Box 468
Brenton, WV 24818
Telephone (304)-732-6227

5) (a) Coal Operator:
Name W. P. Coal Col, Attn: John Clark, Chief
Address P. O. Box 570
Omar, WV 25638 Engr
(b) Coal Owner(s) with Declaration
Name _____
Address _____
(c) Coal Lessee with Declaration
Name _____
Address _____

TO THE PERSON(S) NAMED ABOVE TAKE NOTICE THAT:

_____ Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas OR
X Included is the information required by Chapter 22B, Article 1, Section 8(d) of the Code of West Virginia (see page 2)
I certify that as required under Chapter 22B of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through 3 on the above named parties, by:
X Personal Service (Affidavit attached)
_____ Certified Mail (Postmarked postal receipt attached)
_____ Publication (Notice of Publication attached)

I have read and understand Chapter 22B and 38 CSR 11-18, and I agree to the terms and conditions of any permit issued under this application.
I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete.

I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Well Operator Cities Service Oil and Gas Corporation
By: Paul D. Phillips
Its: Operations Manager
Address P. O. Box 873
Charleston, WV 25323
Telephone (304) 344-8383

Subscribed and sworn before me this 4th day of February, 1988

My commission expires _____
Notary Public

State of West Virginia
DEPARTMENT OF ENERGY
Division of Oil and Gas

Well Operator's Report of Well Work

Farm name: COLE & CRANE REAL ESTATE Operator Well No.: A-2, GW-1213

LOCATION: Elevation: 1239.07 Quadrangle: MAN

District: LOGAN County: LOGAN
Latitude: 7550 Feet South of 37 Deg. 45Min. 0 Sec.
Longitude 1725 Feet West of 81 Deg. 57 Min. 30 Sec.

Company: OXY USA, INC.
P. O. BOX 873
CHARLESTON, WV 25323-0873

Agent: DELBERT G. OLIVER

Inspector: TIM BENNETT
Permit Issued: 01/29/90
Well work Commenced: 02-09-90
Well work Completed: 02-20-90
Verbal Plugging _____
Permission granted on: _____
Rotary Cable _____ Rig
Total Depth (feet) _____
Fresh water depths (ft) _____
Salt water depths (ft) _____
Is coal being mined in area (Y/N)? Y
Coal Depths (ft): _____

| Casing & Tubing Size | Used in Drilling | Left in Well | Cement Fill Up Cu. Ft. |
|----------------------|------------------|--------------|------------------------|
| 6.625" | | 2457' | 50' |
| 4.5" | | 5288' | 130 cu ft |

RECEIVED
FEB 28 1990

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

OPEN FLOW DATA

Producing formation Big Lime Pay zone depth (ft) 2649'
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow 117 MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests 48 Hours
Static rock Pressure 30 psig (surface pressure) after 14 Hours

NEW
2N

Second producing formation Dev Shale/Berea Pay zone depth (ft) 3298'
Gas: Initial open flow 321 MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow 178 MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests 24 Hours
Static rock Pressure 1000 psig (surface pressure) after 168 Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

For: DELBERT G. OLIVER, APPLACHIAN PROJECT MANAGER
OXY USA, INC.

By: Delbert G. Oliver
Date: February 26, 1990

MAR 12 1990

DETAILS OF PERFORATED INTERVAL, FRACTURING OR STIMULATION, PHYSICAL CHANGE, ETC

BIG LIME PERFORATED 2649-70' (43 perfs) acidized with 3,500 gallon
15% foamed acid.

RECEIVED
FEB 28 1990

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

RECEIVED
FEB 28 1990

Cole Crane Trust A-2 (DEEPENING):

Details of perforated intervals, fracturing or stimulating, physical change, etc.:

Rhinestreet: Perforated 5130-5243' (113 holes). Frac'd w/ 97,000# sand, 258 BLW, 1289 MCF of N2.
 Lower Huron: Perforated 4331-4692' (62 holes). Frac'd w/ 50,000# sand, 149 BW, 477 MCF of N2.
 Upper Devonian: Perforated 3426-3802' (64 holes). Frac'd w/ 50,000# sand, 149 BW, 405 MCF of N2.
 Berea: Perforated 3298-3306' (33 holes). Frac'd w/ 20,000# sand, 73 BW, 382 MCF of N2.

RECEIVED
 MAR 24 1989

DIVISION OF OIL & GAS
 DEPARTMENT OF ENERGY

WELL LOG:

| <u>Formation</u> | <u>Top (Ft)</u> | <u>Bottom (Ft)</u> |
|------------------|-----------------|--------------------|
| Big Injun | 2678 | 2759 |
| Siltstone | 2759 | 2819 |
| Weir | 2819 | 2954 |
| Shale | 2954 | 3265 |
| Sunbury | 3265 | 3294 |
| Berea | 3294 | 3308 |
| Devonian Shale | 3308 | 4325 |
| Lower Huron | 4325 | 4696 |
| Java | 4696 | 5045 |
| Rhinestreet | 5045 | 5243 |
| Marcellus | 5243 | 5265 |
| Onondaga | 5265 | 5284 = Total Depth |

5284 new TD
 -2659 old TD
 2625 new FT

6668

MAR 31 1989

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS
WELL WORK PERMIT APPLICATION

545-0457-F
Issued 1/29/90
Page 2 of 3
Expires 1/29/92

- 1) Well Operator: OXY USA INC. ⁵⁰⁷² 36205 2 456
- 2) Operator's Well Number: Cole & Crane Trust A-2, GW 1213 3) Elevation: 1239.07
- 4) Well type: (a) Oil / or Gas X /
(b) If Gas: Production X / Underground Storage /
Deep / Shallow X /
- 5) Proposed Target Formation(s): Big Lime (2649-2670)
- 6) Proposed Total Depth: 5284 feet
- 7) Approximate fresh water strata depths: 360
- 8) Approximate salt water depths: 1320 & 1348
- 9) Approximate coal seam depths: 38, 118 & 360
- 10) Does land contain coal seams tributary to active mine? Yes X / No /
- 11) Proposed Well Work: Recomplete the Big Lime.
The Devonian Shale & Berea have been completed.
- 12) Note attached well history sheet.

CASING AND TUBING PROGRAM

| TYPE | SPECIFICATIONS | | FOOTAGE INTERVALS | | | |
|--------------|----------------|-------|-------------------|--------------|--------------|-------------------|
| | Size | Grade | Weight per ft. | For drilling | Left in well | Fill-up (cu. ft.) |
| Conductor | 13-3/8" | | | 63 | 63 | |
| Fresh Water | 10-3/4" | | 40-45 | 582 | 582 | 10 sxs Aquagel |
| Coal | 8-5/8" | | 24-28 | 1728 | Pulled | 21 sxs Aquagel |
| Intermediate | 6-5/8" | | 26 | 2437 | 2437 | 26 sxs Aquagel |
| Production | 4-1/2" | K-55 | 11.6 | 5288 | 5288 | TOC at 2160 |
| Tubing | 2-3/8" | J-55 | 4.7 | 5162 | 5162 | |
| Liners | | | | | | |

*Free Big Lime
Small History Sheet
attached*

PACKERS : Kind
Sizes
Depths set

RECEIVED
JAN 11 1990

For Division of Oil and Gas Use Only

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

Fee(s) paid: Well Work Permit Reclamation Fund WPCP
Plat WW-9 WW-2B Bond Blanket Sure Agent
(Type)

10087
36136

RECEIVED
JAN 11 1990

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

Date: January 5, 1990
Operator's well number
Cole & Crane Trust A-2, GW 1213
API Well No. 47 - 045 - 00457 - Free
State - County - Permit

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

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

- 4) Surface Owner(s) to be served:
- (a) Name Cole & Crane Real Estate Trust Address Suite 215 Frederick Bldg.
Huntington, WV 25701, Attn: W.D. Stark
 - (b) Name _____ Address _____
 - (c) Name _____ Address _____
- 5) (a) Coal Operator:
Name W. P. Coal Company Address P. O. Box 570
Omar, WV 25638, Attn: John Clark
(b) Coal Owner(s) with Declaration
Name SAME AS (4) (A) Address _____
Name _____ Address _____
- 6) Inspector Mr. Tim Bennett (c) Coal Lessee with Declaration
Address 525 Tiller Street Name Chafin Coal Company
Logan, WV 25601 Address P. O. Box 2195
Telephone (304)-792-7075 Huntington, WV 25722

TO THE PERSON(S) NAMED ABOVE TAKE NOTICE THAT:

_____ Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas OR

X Included is the information required by Chapter 22B, Article 1, Section 8(d) of the Code of West Virginia (see page 2)

I certify that as required under Chapter 22B of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through 3 on the above named parties, by:

- _____ Personal Service (Affidavit attached)
- X Certified Mail (Postmarked postal receipt attached)
- _____ Publication (Notice of Publication attached)

I have read and understand Chapter 22B and 38 CSR 11-18, and I agree to the terms and conditions of any permit issued under this application.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete.

I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Well Operator OXY USA INC.
By: Delbert G. Oliver *Delbert G. Oliver*
Its: Appalachian Project Manager
Address P. O. Box 873
Charleston, WV 25323
Telephone (304) 344-8383

Subscribed and sworn before me this 5 day of JANUARY, 1990

James J. Bay
My commission expires June 11, 1999

Commissioner
Notary Public