

COAL OWNERSHIP:
 Consolidation Coal Co.
 Box 100
 Osage, W.Va. 26543

NO WELLS WITHIN 2400 FT

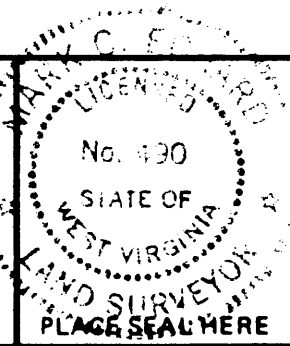
topo loc. 7.5 series

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1/5000
 PROVEN SOURCE OF ELEVATION JCT. SEC. RTS. 37 & 37 1/2
3100' ± S.E. OF LOCATION, EL. = 983'

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) Mark C. Echard
 MARK C. ECHARD

R.P.E. _____ L.L.S. 490



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

FORM IV-6 (8-78)



DATE OCT. 5, 1984
 OPERATOR'S WELL NO. three
 API WELL NO. _____
47 - 061 - 0755
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

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

LOCATION: ELEVATION 1081 WATER SHED PEDLAR RUN
 DISTRICT CLAY 3 COUNTY MONONGALIA
 QUADRANGLE BLACKSVILLE 75' Q 151 NC 2

SURFACE OWNER CLARENCE W. LEMLEY, JR., ET. UX. ACREAGE 50.896 OF 102
 OIL & GAS ROYALTY OWNER ALPHEUS HENDERSON HEIRS LEASE ACREAGE 102
 LEASE NO. EGL No. 15227

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 BALLTOWN ESTIMATED DEPTH 4000'
 WELL OPERATOR CHRISMAN DRILLING CO DESIGNATED AGENT MR. ELDON HAUGHT
 ADDRESS 500 MIRANDA ROAD 167 ADDRESS RT. 3, BOX 33
PITTSBURGH, PA. 15241 SMITHVILLE, W.VA. 26178

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OIL & GAS DIVISION
DEPT. OF MINES



State of West Virginia
Department of Mines
Oil and Gas Division

Date December 31, 1984
Operator's Well No. H-3
Farm A.Henderson Hrs.
API No. 47 - 061 - 0755

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: 1081 Watershed Pedlar Run
District: Clay County Monongalia Quadrangle Blkavl.NW 4²

COMPANY Chrisman Drilling Company
ADDRESS 500 Miranda Road, Pgh. Pa. 15241
DESIGNATED AGENT Eldon J. Haught
ADDRESS Rt.3, Box 33, Smithville, WV, 26178
SURFACE OWNER Clarence W. Lemley, Jr.
ADDRESS Box 101, Core, W.Va. 26529
MINERAL RIGHTS OWNER A.Henderson Hrs.
ADDRESS Core, W.Va. 26529
OIL AND GAS INSPECTOR FOR THIS WORK Donald Ellis
ADDRESS Fairmont, WV, 26564
PERMIT ISSUED 11-19-84
DRILLING COMMENCED 12-18-84
DRILLING COMPLETED 12-27-84
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. | 15 | 15 | To Surface |
| 13-10" | | | To Surface |
| 9 5/8 | 869 | 869 | To Surface |
| 8 5/8 | | | |
| 7 | 1980 | 1980 | 600' |
| 5 1/2 | | | |
| 4 1/2 | | 3075 | 1400' |
| 3 | | | |
| 2 | | | |
| Liners used | | | |

GEOLOGICAL TARGET FORMATION Devonian Shale (Balltown) Depth 3200 feet
Depth of completed well 3117 feet Rotary X / Cable Tools
Water strata Depth: Fresh 159 feet; Salt 1503 feet
Coal seam depths: 480-482 & 560-570 Is coal being mined in the area? Yes
69-72

OPEN FLOW DATA
Producing formation 2534-2568 Gordon Pay zone depth feet
2932-2940 Balltown
Gas: Initial open flow 50 Mcf/d Oil: Initial open flow N/A Bbl/d
3008-3052 Balltown
Final open flow 175 Mcf/d Final open flow .1 Bbl/d
Time of open flow between initial and final tests 8 hours
Static rock pressure 450 psig (surface measurement) after 48 hours shut in
(If applicable due to multiple completion--)
Second producing formation N/A at present 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

FEB 04 1985

WELL LOG (CONTINUED)

| <u>Formation</u> | <u>Color</u> | <u>Hard/Soft</u> | <u>Top</u> | <u>Bottom</u> | <u>Remarks</u> |
|------------------|--------------|------------------|------------|---------------|-----------------------|
| Red Rock | Red | Soft | 850 | 870 | |
| Shale | Gray | Soft | 870 | 890 | |
| Sand | White | Hard | 890 | 900 | |
| Shale | Gray | Soft | 900 | 920 | |
| Sand | White | Hard | 920 | 956 | |
| Shale | Gray | Soft | 956 | 959 | |
| Sand | Brown | Hard | 959 | 1030 | |
| Shale | Black | Soft | 1030 | 1035 | |
| Shale | Gray | Soft | 1035 | 1039 | |
| Sand | White | Hard | 1039 | 1065 | |
| Shale | Gray | Soft | 1065 | 1095 | |
| Sand | White | Hard | 1095 | 1135 | |
| Sand | Gray | Hard | 1135 | 1280 | |
| Shale | Gray | Soft | 1280 | 1290 | |
| Sand | Gray | Hard | 1290 | 1321 | |
| Shale | Gray | Soft | 1321 | 1350 | |
| Sand | Gray | Hard | 1350 | 1380 | |
| Shale | Gray | Soft | 1380 | 1400 | |
| Sand | Gray | Hard | 1400 | 1473 | |
| Shale | Gray | Med. | 1473 | 1480 | |
| Sand | Gray | Hard | 1480 | 1503 | |
| Red Rock | Red | Med. | 1503 | 1520 | Water (Salt) @ 1503 |
| Shale | Gray | Med. | 1520 | 1530 | |
| Sand | Gray | Hard | 1530 | 1600 | |
| Shale | Gray | Med. | 1600 | 1687 | |
| Sand | Gray | Hard | 1687 | 1740 | |
| Shale | Gray | Med. | 1740 | 1769 | |
| Sand | Gray | Hard | 1769 | 1809 | |
| Shale | Gray | Med. | 1809 | 1845 | |
| Lime | Gray | Hard | 1845 | 1925 | |
| Big Injun | Gray | Hard | 1925 | 1975 | |
| Squaw | Gray | Med. | 1975 | 1991 | |
| Shale | Gray | Med. | 1991 | 2250 | |
| Sand | Gray | Hard | 2250 | 2295 | |
| Shale | Gray | Soft | 2295 | 2305 | |
| Sand | Gray | Med. | 2305 | 2351 | |
| Shale | Gray | Med. | 2351 | 2389 | |
| Sand | Gray | Hard | 2389 | 2404 | |
| Shale | Gray | Med. | 2404 | 2440 | |
| Sand | Gray | Hard | 2440 | 2464 | |
| Shale | Gray | Soft | 2464 | 2485 | |
| Sand (Gordon) | Gray | Hard | 2485 | 2600 | Gas @ 2534 to 2568 |
| Shale | Gray | Med. | 2660 | 2620 | |
| Sand | Gray | Hard | 2620 | 2650 | |
| Shale | Gray | Med. | 2650 | 2680 | |
| Sand | Gray | Hard | 2680 | 2700 | |
| Red Rock | Red | Med. | 2700 | 2720 | |
| Shale | Gray | Med. | 2720 | 2869 | |
| Sand | Gray | Hard | 2869 | 2899 | |
| Shale | Gray | Med. | 2899 | 2963 | Gas @ 2933 (Balltown) |
| Sand | Gray | Hard | 2963 | 3055 | Show oil @ 3040 |
| Shale | Gray | Soft | 3055 | 3117 | |

Balltown @

T.D. 3117

TD.

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JAN 24 1985

OIL & GAS DIVISION
DEPT. OF MINES

RECEIVED

NOV - 1 1984



1) Date: October 31, 1984
 2) Operator's Well No. H-3
 3) API Well No. 47 - 061 - 0755
 State County Permit

**OIL & GAS DIV.
DEPT. OF MINES**

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

- 4) WELL TYPE: A Oil / Gas X /
 B (If "Gas", Production X / Underground storage / Deep / Shallow X /)
- 5) LOCATION: Elevation: 1081 Watershed: Pedlar Run
 District: Clay County: Monongalia Quadrangle: Blacksville NW 4²
- 6) WELL OPERATOR Chrisman Drilling Co. 9700 7) DESIGNATED AGENT Eldon J. Haught
 Address 500 Miranda Road Address Rt. 3, Box 33,
Pittsburgh, Pa., 15241 Smithville, WV, 26178
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
 Name William Blosser DONALD ELLIS Name Haught, Inc.
 Address PO Box 1028 2604 CRABAPPLE LN Address 4424 Emerson Ave.,
Colfax, WV, 26566 FAIRMONT, WV. 5345596 Parkersburg, WV, 26104
- 10) PROPOSED WELL WORK: Drill X / Drill deeper / Redrill / Stimulate X /
 Plug off old formation / Perforate new formation
 Other physical change in well (specify)
- 11) GEOLOGICAL TARGET FORMATION, Devonian Shale (Balltown)
- 12) Estimated depth of completed well, 4000 feet
- 13) Approximate strata depths: Fresh, 200 & 460 feet; salt, 1500 feet.
- 14) Approximate coal seam depths: 580-90 810-20 Is coal being mined in the area? Yes X / 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" | | | X | | 30' | 30' | To surface | Kinds |
| Fresh water | 9 1/2" | | 40# | X | | 850' 675' | 850' 675' | " " | NEAT |
| Coal | 7" | | 23# | X | | 2000' | 2000' | (If needed) | Sizes |
| Intermediate | | | | | | | | | |
| Production | 4 1/2" | | 10 1/2# | X | | 4000' | 4000' | 1500' | Depths set |
| Tubing | | | | | | | | | |
| Liners | | | | | | | | | Perforations: Top Bottom |

**OFFICE USE ONLY
DRILLING PERMIT**

Permit number 47-061-0755 Date November 19, 1984

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 November 19, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

| | | | | |
|------------|-------------|------------|------------|--------------|
| Bond: | Agent: | Plat: | Casing | Fee |
| <u>184</u> | <u>J.H.</u> | <u>MKJ</u> | <u>MKJ</u> | <u>10648</u> |

Margaret J. Hase
 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.