

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 400'
 MINIMUM DEGREE OF ACCURACY 1 in 200
 PROVEN SOURCE OF ELEVATION BM EL. 828

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) Richard B. Davis
 R.P.E. 5580 L.L.S. _____

PLACE SEAL HERE

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



DATE JANUARY 4, 19 82
 OPERATOR'S WELL NO. VARNER NO. 1
 API WELL NO. _____
47 - 017 - 3088
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
 LOCATION ELEVATION 977 WATER SHED ROBINSON FORK
 DISTRICT McCLELLAND COUNTY DODDRIDGE
 QUADRANGLE SALEM 7.5 MINUTE Centerpoint 15' C
 SURFACE OWNER WILLIAM C. BEVERLIN ACREAGE 38
 OIL & GAS ROYALTY OWNER HAYWOOD VARNER, et. al. LEASE ACREAGE 38
 LEASE NO. _____
 PROPOSED WORK: DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) SMITHTON-FLINT

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION ALEXANDER, BENSON ESTIMATED DEPTH 5500', 5150'
 WELL OPERATOR JAMES F. SCOTT DESIGNATED AGENT JAMES F. SCOTT
 ADDRESS P.O. BOX 112 ADDRESS P.O. BOX 112
SALEM, WV 26426 SALEM, WV 26426

APR 6 1982
 99



RECEIVED

IV-35 (Rev 8-81) 9-2 13 1982

OIL AND GAS DIVISION WV DEPARTMENT OF MINES

State of West Virginia Department of Mines Oil and Gas Division

Date Sept. 8, 1982 Operator's Well No. S-403 Farm Hayward Varner API No. 47 - 017 - 3088

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: 977 Watershed Robinson Fork District: McClellan County Doddridge Quadrangle Salem 7.5'

COMPANY James F. Scott ADDRESS P.O. Box 112; Salem, WV 26426 DESIGNATED AGENT Darrel Wright ADDRESS P.O. Box 112; Salem, WV 26426 SURFACE OWNER William C. Beverlin ADDRESS Rt. 1 Box 31 Dallas, WV 26036 MINERAL RIGHTS OWNER Hayward Varner et al Rt. 2 Box 227 ADDRESS Salem, WV 26426 OIL AND GAS INSPECTOR FOR THIS WORK Stephen Casey ADDRESS Rt. 2 Box 232-D Jane Lew, WV 26378

Table with 4 columns: Casing & Tubing, Used in Drilling, Left in Well, Cement fill up Cu. ft. Rows include sizes 20-16, 13-10, 9 5/8, 8 5/8, 7, 5 1/2, 4 1/2, 3, 2, and Liners used.

PERMIT ISSUED March 11, 1982 DRILLING COMMENCED Sept. 1, 1982 DRILLING COMPLETED Sept. 6, 1982

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

GEOLOGICAL TARGET FORMATION Alexander; Benson Depth 5033 feet Depth of completed well 5033 feet Rotary X / Cable Tools Water strata depth: Fresh 100 feet; Salt Coal seam depths: 185-189 Is coal being mined in the area? NO

OPEN FLOW DATA

Producing formation Benson Pay zone depth 4880 feet Gas: Initial open flow Mcf/d Oil: Initial open flow Bbl/d Final open flow 508 Mcf/d Oil: Final open flow Bbl/d Time of open flow between initial and final tests 4 hours Static rock pressure 1800 psig (surface measurement) after 72 hours shut in (If applicable due to multiple completion--)

SEP 20 1982

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

10,000# 80/100

40,000# 40/80

550 BBLs. S/L Fluid

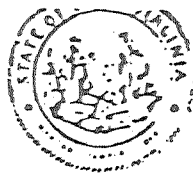
WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Fill			0	5	
Sand			5	14	
Sandish			14	21	
Sand			21	40	
Shale			40	45	
Sand			45	103	½" H2/O @ 100'
Sand & Shale			103	125	
Sand			125	185	
Coal			185	189	
Sand			189	220	
Sandy Shale			220	255	
Shale & Red Rock			255	285	
Sand			285	325	
Sand & Shale			325	460	
Red Rock & Shale			460	480	
Sand & Shale			480	670	
Red Rock, Shale, Red Rock			670	720	
Sandy Shale			720	820	
Shale			820	1100	
Sand & Shale			1100	1340	
Sand			1340	1542	
Sand & Shale			1542	1637	
Red Rock			1637	1745	
Lime			1745	1815	
Sandy Shale			1815	1912	
Shale			1912	2109	
Sandy Shale			2109	4880	
Sand			4880	4890	
Shale ALEX			4890	5033	

(Attach separate sheets as necessary)

James F. Scott
Well Operator
By: James F. Scott
Date: Septmeber 10, 1982

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."



STATE OF WEST VIRGINIA
OFFICE OF OIL AND GAS - DEPARTMENT OF MINES

OIL AND GAS WELL PERMIT APPLICATION

WELL TYPE: Oil ___ / Gas X /
(If "Gas", Production X / Underground storage ___ / Deep ___ / Shallow X /

LOCATION: Elevation: 977 Watershed: Robinson Fork
District: McClellan County: Doddridge Quadrangle: Salem 7.5'

WELL OPERATOR James F. Scott
Address P.O. Box 112
Salem, WV 26426

DESIGNATED AGENT James F. Scott
Address P.O. Box 112
Salem, WV 26426

OIL AND GAS
ROYALTY OWNER Hayward Varner et al
Address Rt. 2; Box 227
Salem, WV 26426
Acreage 38

COAL OPERATOR
Address _____

SURFACE OWNER William C. Beverlin
Address Rt. 1;
Dallas, WV 26036
Acreage _____

COAL OWNER(S) WITH DECLARATION ON RECORD:
NAME Consolidation Coal Co.
Address P.O. Box 1314
Morgantown, WV 26505
NAME _____
Address _____

FIELD SALE (IF MADE) TO:
NAME _____
Address _____

COAL LESSEE WITH DECLARATION ON RECORD:
NAME _____
Address _____

OIL AND GAS INSPECTOR TO BE NOTIFIED:
NAME Stephen Casey
Address Rt. 2 Box 232-D
Jane Lew, WV 26378
Telephone 884-7470

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MAR 11 1982

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed ___ / lease X / other contract ___ / dated Aug. 25, 1981, by the undersigned well operator from Vernon Varner, Cheryl Varner & Hayward Varner

(If said deed, lease, or other contract has been recorded:)

Recorded on Sept. 2, 1981, in the office of the Clerk of County Commission of Doddridge County, West Virginia, in 121 Book at page 740. A permit is requested as follows:

PROPOSED WORK: Drill X / Drill Deeper ___ / Redrill ___ / Fracture or stimulate ___ / Plug off old formation ___ / Perforate new formation ___ / Other physical change in well (specify) _____

--planned as shown on the work order on the reverse side hereof.

The above 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 receipt of this Application by the Dept. Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessees on or before the day of the mailing or delivery of this Application to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL PHYSICAL LOGS DIRECTLY TO:
WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION
13 WASHINGTON ST., E.
CHARLESTON, WV 25311
Telephone - 304/348-3092

BLANKET BOND

By: James F. Scott
Well Operator
Its: Owner

(Revised 3-81)

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY:
ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING CONTRACTOR (IF KNOWN) S. W. Jack Drilling Co.

Address Buckhannon, WV 26201

GEOLOGICAL TARGET FORMATION Alexander; Benson

Estimated depth of completed well 5500 feet. Rotary X / Cable tools /
Approximate water strata depths: Fresh, 20 feet; salt, 1200 feet.
Approximate coal seam depths: 600 ft.
Is coal being mined in this area: Yes / No X /

CASING AND TUBING PROGRAM ✓

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL UP OR SACKS Cubic ft.	PACKERS
	Size	Grade	Weight per ft	New	Used	For Drill- ing	Left in Well		
Conductor	11 3-4					30			Kinds
Fresh water									
Coal									Sizes
Intermed.	18 5-8						700	to surface	
Production Tubing	4 1/2						5500	350 sks.	Depths set
Liners									Perforations: Top Bottom

NOTE: Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, 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 §22-4-2, (iii) Form IV-9, "Reclamation Plan" applicable to the reclamation required by Code §22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code §22-4-12a, and (v) if applicable, the consent required by Code §22-4-8a from the owner of any water well or dwelling within 200 feet of the proposed well.

A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.

THIS PERMIT MUST BE POSTED AT THE WELL SITE.

ALL PROVISIONS BEING IN ACCORDANCE WITH CHAPTER 22, ARTICLE 4 OF THE W. VA. CODE, THE LOCATION IS HEREBY

APPROVED FOR drilling. THIS PERMIT SHALL EXPIRE IF OPERATIONS HAVE NOT COMMENCED BY 11-26-82

BY [Signature]

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 receipt thereof:

W A I V E R

I, the undersigned coal operator / owner / 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 coal operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: , 19 .

By:

Its: