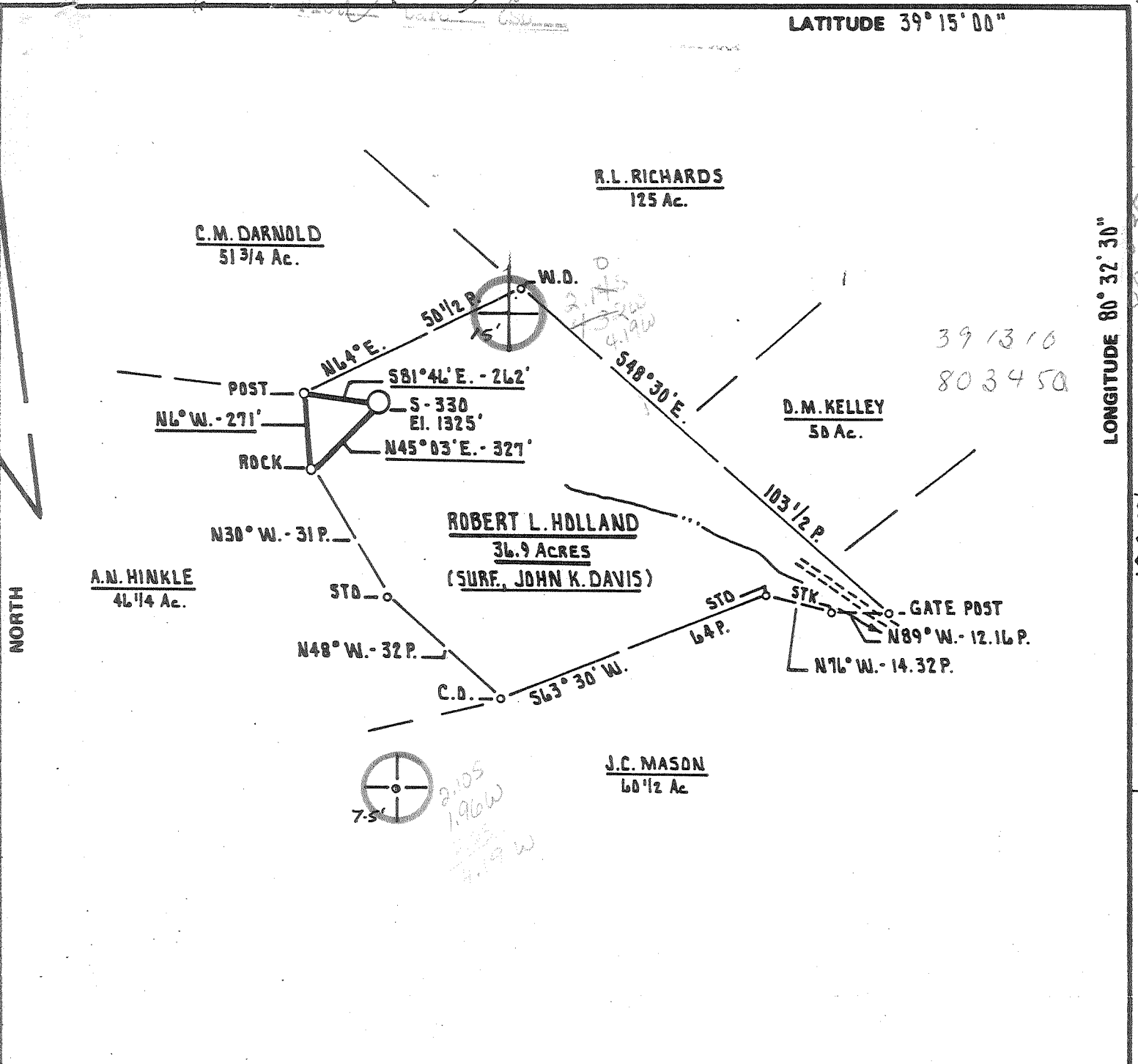


LATITUDE 39° 15' 00"

LONGITUDE 80° 32' 30"



FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1 PART IN 200
 PROVEN SOURCE OF ELEVATION ROAD INTERSECTION
48 and 48 ELEVATION 955'

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) Douglas P. Moats
 R.P.E. 7002 L.L.S. _____

PLACE SEAL HERE

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



DATE NOVEMBER 4th, 19 80
 OPERATOR'S WELL NO. S-330
 API WELL NO. _____
47 - 017 - 2967
 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 1325' WATER SHED BIG ISAAC CREEK
 DISTRICT GREENBRIER COUNTY DODDRIDGE
 QUADRANGLE BIG ISAAC 7.5' NE
 SURFACE OWNER JOHN K. DAVIS ACREAGE 36.9 Ac.
 OIL & GAS ROYALTY OWNER ROBERT L. HOLLAND LEASE ACREAGE 36.9 Ac.
 LEASE NO. 327
 PROPOSED WORK: DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION Alexander 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100 ESTIMATED DEPTH 25200
 WELL OPERATOR SCOTT OIL AND GAS DESIGNATED AGENT SCOTT OIL AND GAS
 ADDRESS P.O. BOX 112 ADDRESS P.O. BOX 112
SALEM, WEST VIRGINIA 26424 SALEM, WEST VIRGINIA 26424

6-6 Meathouse Fork-Bristol (146)

1981

WELL OPERATOR'S REPORT

47 - 017 - 296
State County Permit

DRILLING, REWORKING AND/OR STIMULATING, TO PAUSE AND CHANGE

2967

WELL TYPE: Oil ___ Gas X / Liquid Injection ___ Waste Disposal ___
If "Gas", Production X / Underground storage ___ / Deep ___ Shallow X
Elevation: 1325 Watershed: Big Isaac Creek
District: Greenbrier County: Doddridge Quadrangle: Big Isaac 7.5'

OPERATOR James F. Scott DESIGNATED AGENT James F. Scott
Address P.O. Box 112 Address P.O. Box 112
Salem, W. Va. 26426 Salem, W. Va. 26426

WANTED WORK: Drill X / Convert ___ / Drill deeper ___ Re-drill ___
Plug off old formation ___ / Perforate new formation ___
Other physical change in well (specify) _____

PERMIT ISSUED ON Oct. 9, 1981 OIL & GAS INSPECTOR FOR THIS WEEK:
Name Stephen Casey
Address Rt. 2 Box 232-D
Lew, W. Va.

GEOLOGICAL TARGET FORMATION: Alexander, Benson, Balltown Depth 5650 feet
Depth of completed well, 5650 feet Rotary X / Cable Tools ___
Water strata depth: Fresh, 620 feet; salt, ___ feet.
Coal seam depths: NONE Is coal being mined in the area? NO
Work was commenced Sept. 15, 19 81, and completed Sept. 20, 19 81

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS				FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic Feet)	REMARKS
	Size	Grade	Weight per ft.	New	Used	For drilling		
Conductor	11 3/4					30'		Runs
Fresh water								
Coal								Sizes
Intermediate	8 5/8		20#	X		950	to surface	
Production	4 1/2		10.5	X		5616	440 Sks.	Seals see.
Tubing								
Liners								Perforations:

RECEIVED
OCT 8 - 1981

OPEN FLOW DATA
Producing formation 5551-56 5216-25 3818-26 Alexander, Benson, Balltown Pay zone depth 5551-5216-3818 feet
Gas: Initial open flow, show Mcf/d Oil: Initial open flow, 221/2 bbl/d
Final open flow, 1205 Mcf/d Final open flow, 261/2 bbl/d
Time of open flow between initial and final tests, 4 hours
Static rock pressure, 1500 psig (surface measurement) after 120 hours shut in
(If applicable due to multiple completions--)
Second producing formation _____ Pay zone depth _____ feet
Gas: Initial open flow, _____ Mcf/d Oil: Initial open flow, _____ bbl/d
Final open flow, _____ Mcf/d 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

OCT 22 1981

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

Alexander	Perfs:	5551-5556	10 holes	80/100 sand	15,000
				20/40 sand	30,000
Benson	Perfs:	5216-5225	14 holes	80/100 sand	15,000
				20/40 sand	45,000
Balltown	Perfs:	3818-3826	14 holes	80/100 sand	15,000
				20/40 sand	30,000

WELL LOG

FORMATION	Color	Hard or Soft	Top Feet	Bottom Feet	Remarks Including indication of all fresh and salt water, coal, oil and gas
Cond.			0	20	
Sand			20	210	
Red rock & Shale	Red	Hard	210	455	
Sand		Soft	455	530	
Sand-Shale-R. Rock			530	620	
Sand			620	650	620 Ft. too damp to dust
Shale			650	780	
Sand			780	835	960' Increase H2/O to 1/2"
Sand & Shale			835	855	
Sand			855	930	
Sand & Shale			930	1965	
Sand			1965	2050	
Sand & Shale			2050	2300	
B. Lime			2300	2360	
Sand			2360	2480	
Sand & Shale			2480	3250	
Sand			3250	3295	
Sand & Shale			3295	5225	
Sand	Brown		5225	5240	
Sand & Shale			5240	5555	
Sand	Brown		5555	5565	
Sand & Shale	Gray		5565	5650	TD
Gamma Ray top					
. Lime ; B. Injun			2292	2448	

(Attach separate sheets to complete as necessary)

James F. Scott
Well Geologist
By James F. Scott
Its Owner

Regulation 1.01 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."

[08-78]

OIL AND GAS WELL PERMIT APPLICATION

Operator's Well No. Robert S-330Holland

API Well No. 47-017-2967
State County Permit

WELL TYPE: Oil / Gas /
(If "Gas", Production / Underground storage / Deep / Shallow)
LOCATION: Elevation: 1325 Watershed: Big Isaac
District: Greenbrier County: Doddridge Quadrangle: Big Isaac 7.5'

WELL OPERATOR Scott Enterprises
Address P.O. Box 112
Salem, W. Va. 26426

DESIGNATED AGENT SAME
Address: _____

RECEIVED
FEB - 5 1981

OIL & GAS ROYALTY OWNER Robert L. Holland
Address 308 Church St.
West Union, W. Va.
Acreage 36.9

COAL OPERATOR _____
Address: OIL & GAS DIVISION
DEPT. OF MINES

SURFACE OWNER John K. Davis
Address Rt. 3 Box 92
Salem, W. Va. 26426
Acreage 36.9

COAL OWNER(S) WITH DECLARATION ON RECORD:
Name Willis Tetrick
Address Union Nat'l Bank Bldg.
Clarksburg, W. Va
Name _____
Address _____

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

COAL LESSEE WITH DECLARATION ON RECORD:
Name Consolidated Coal
Address P.O. Box 1314
Morgantown, W. Va.

OIL & GAS INSPECTOR TO BE NOTIFIED
Name Stephen Casey
Address Rt. 2 Box 232-D
Jane Lew, W. Va. 26378

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed / lease / other contract / dated Oct. 14, 1980.
Undersigned well operator from Robert L. Holland & Mary H. Holland
If said deed, lease, or other contract has been recorded:]

Recorded on Oct. 20, 1980, in the office of the Clerk of the County Commission of Doddridge County, West Virginia, in Book 117 at page 449. A permit is requested as follows:

PROPOSED WORK: Drill / 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 action they wish to raise 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.

Copies of this Permit Application and the enclosed plat and declaration plan have been mailed, registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessee before the day of the mailing or delivery of this Permit 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
10 WASHINGTON STREET EAST
HUNTSVILLE, WV 25811
TELEPHONE: (304) 348-3092

MARKET BOND

SCOTT ENTERPRISES INC
Well Operator

By D. Edward Arnold
Title: Geologist

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, W. Va.

GEOLOGICAL TARGET FORMATION, Alexander Benson Riley
Balltown Big Injun

Estimated depth of completed well, 5560' feet Rotary / Cable tools
Approximate water strata depths: Fresh, _____ feet; salt, _____ feet.
Approximate coal seam depths: _____ Is coal being mined in the area? Yes / No

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	11 3/4					30			Kinds
Fresh water									
Coal									Sizes
Intermediate	8 5/8						800	to surface	
Production	4 1/2						5600	450 sks.	Depths set
Tubing									
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 THIS PERMIT MUST BE POSTED AT THE WELL SITE as required in connection therewith.

All provisions being in accordance with Chapter 22, of the W. Va. Code, the location is hereby approved for drilling. This permit shall expire if operations have not commenced by 10-9-84.

[Signature]
Deputy Director - Oil & Gas Division

This permit 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

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 well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: _____, 19____

[Signature]
By Herold D. Bair
Its State Mining Engineer