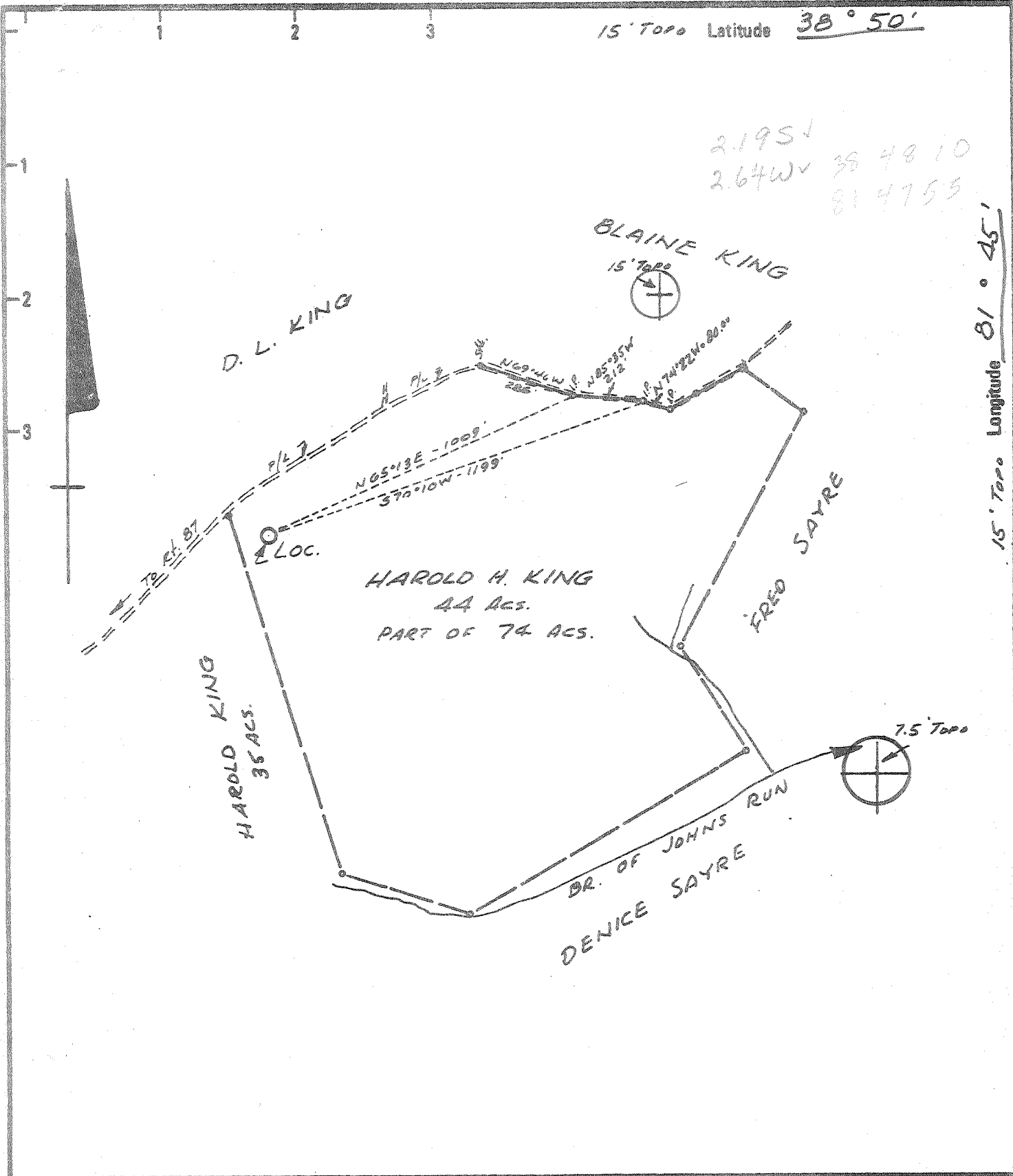


2.195 ✓
2.64W ✓ 38 48 10
81 47 55



15' Topo Longitude 81° 45'
7.5' Topo - 81° 47' 30"

Minimum Error of Closure ... 1 IN 200
Source of Elevation U.S.G.S ELEV. 947' TOP OF KNOB NORTHEAST OF WELL LOC.
"I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia."

New Location
Drill Deeper
Abandonment

Company DEVON CORPORATION
Address P.O. Box 1433, CHARLESTON, W.VA.
Farm HAROLD H. KING
Tract _____ Acres 44.0 PART OF 74 ACS. Lease No. 4215
Well (Farm) No. 1 Serial No. 865
Elevation (Spirit Level) 920.0
Quadrangle 7.5' COTTAGEVILLE
15' RAVENSWOOD SE
County JACKSON District RIPLEY
SURVEYOR James D. Lefton
SURVEYOR's Registration No. 149
File No. _____ Drawing No. _____
Date 4-7-78 Scale 1" = 400'

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

WELL LOCATION MAP
FILE NO. JAC-1430

+ 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.

Deepwell 47-033 APR 28 1978



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
Oil and Gas Division
WELL RECORD 19

RECEIVED
SEP - 4 1979
47-035-1430
OIL & GAS DIVISION
DEPT. OF M.NES

Quadrangle Cottageville
Permit No. JAC-1430

Rotary XXX Oil XXX
Cable XXX Gas XXX
Recycling XXX Comb. XXX
Water Flood XXX Storage XXX
Disposal XXX (Kind)

Company DEVON CORPORATION
Address Box 1433, Charleston, W. Va.
Farm Harold King Acres 74
Location (waters) Branch of Johns Run
Well No. 865 Elev. 920
District Ripley County Jackson
The surface of tract is owned in fee by Harold King, Box 130, Evans, W. Va.
Mineral rights are owned by Harold King
Address Evans, W. Va.
Drilling Commenced November 18, 1978
Drilling Completed December 1, 1978
Initial open flow 82 MCFD xxx ft. bbls.
Final production 335 M/D xxx ft. per day bbls.
Well open 4 hrs. before test 1250 RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. 13-10"			
9 5/8	211	211	100 sax = to surf.
8 5/8			
7	2593	2593	75 sax=625'
5 1/2			
4 1/2		4947	200 sax=2400'
3			
2			
Liners Used			

Well treatment details:

Attach copy of cementing record.

Perforated 4 1/2" casing 4870-4872 with 16 shots in Oriskany.

335 MCF

Fractured Oriskany Sand with 45,000# sand and 971 RRI water.

Open flow test: Oriskany=200 MCFD, Shale = 135 MCFD

Coal was encountered at None reported Feet _____ Inches _____
Fresh water _____ Feet _____ Salt Water _____ Feet _____
Producing Sand Oriskany Sand Depth 4870-4872

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Surface			0	5		
Shale			5	350		
Sand			350	384		
Shale			384	410		
Sand			410	443		
Shale			443	496		
Sand			496	507		
Shale			507	532		
Sand			532	546		
Shale			546	584		
Sand			584	600		
Shale			600	725		
Sand			725	770		
Shale			770	1217		
Sand			1217	1229		
Shale			1229	1253		
Sand			1253	1356		
Shale			1356	1406		
Sand			1406	1460		
Shale			1460	1723		
Sand			1723	1768		
Shale			1768	1825		
Maxon Sand			1825	1924		

(over)

* Indicates Electric Log tops in the remarks section.

47-035-1430

Formation	Color	Hard or Soft	Top Feet / 4	Bottom Feet	Oil, Gas or Water	Remarks
Big Lime			1924	2061		
Shale			2061	2074		
Injun Sand			2074	2166		
Shale			2166	2531		
Coffee Shale			2531	2553		
Berea Sand			2553	2564		
Shale			2564	3736		
Brown Shale			3736	4208		
Shale			4208	4619		
Marcellus Shale			4619	4773		
Onondaga L. S.			4773	4847		
Oriskany Sand			4847	4891		
Helderberg L. S.			4891	4990		
Log Total Depth				4990'		

Date January 9, 1979

APPROVED A. C. Youse (Owner)
 DEVON CORPORATION

By A. C. Youse Dist. Geologist (Title)



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Lease 4215

RECEIVED

APR 19 1978

OIL & GAS DIVISION
DEPT. OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES,
Charleston, W. Va.

DATE April 7, 1978
Company Devon Corporation
Address PO Box 1433, Charleston, W. Va.
Farm Harold King Acres 74 ac
Location (waters) Branch of Johns Run
Well No. 865 Elevation 920
District Ripley County Jackson
Quadrangle Cottageville

Surface Owner H. Harold King
Address Rt. 1, Box 130, Evans, W. Va. 25241
Mineral Owner H. Harold King
Address Rt. 1, Box 130, Evans, W. Va. 25241
Coal Owner _____
Address _____
Coal Operator Not Operated
Address _____

THIS PERMIT MUST BE POSTED AT THE WELL SITE

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 8-19-78.

INSPECTOR
TO BE NOTIFIED Richard J. Morris
ADDRESS Grantsville, W. Va
PHONE 354-7259

Robert L. [Signature]
Deputy Director - Oil & Gas Division

GENTLEMEN:

The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee title thereto, (or as the case may be) under grant or lease dated March 2 19 77 by Harold H. King made to Devon and Eason and recorded on the 12th day of March 19 78, in Jackson County, Book 143 Page 376
XXX NEW WELL _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE
_____ OIL AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1969.

The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operators have been notified as of the above date.

The above named coal owners and/or operator are hereby notified that any objection they wish to make, or are required to make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days. *

Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operators or coal owners at their above shown respective address _____ day _____ before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL
GEOPHYSICAL LOGS DIRECTLY TO:

W. VA. OIL & GAS CONSERVATION COMMISSION
1613 WASHINGTON STREET, EAST
CHARLESTON, WEST VIRGINIA 25311

Address
of
Well Operator

Very truly yours,
(Sign Name) A. C. Youse
A. C. Youse, ^{Well Operator} District Geologist
Box 1433
Street
Charleston, W. Va.
City or Town
State

*SECTION 3 If no objections are filed or found by the Department of mines, within said period of ten days from the receipt of notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit reciting the filing of such plat, that no objections have been made by the coal operators or found thereto by the department and that the same is approved and the well operator authorized to proceed.

BLANKET BOND

JAC-1430

PERMIT NUMBER

47-035

**THIS IS AN ESTIMATE ONLY
ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION**

PROPOSED WORK ORDER TO XXX DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) _____ RESPONSIBLE AGENT: _____
 NAME FWA Drilling Co. NAME Bill W. Backus
 ADDRESS Box 448, Elkview, W. Va. ADDRESS Box 1433, Charleston, W. Va.
 TELEPHONE 965-3379 TELEPHONE 342-3171
 ESTIMATED DEPTH OF COMPLETED WELL: 4975 ROTARY XXX CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Oriskany
 TYPE OF WELL: OIL _____ GAS XXX COMB. _____ STORAGE _____ DISPOSAL _____
 RECYCLING _____ WATER FLOOD _____ OTHER _____

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.
20 - 16			
13 - 10			
9 - 5/8	200	200	100 sax = to surface
8 - 5/8			
7	2625	2625	75 sax = 700'
5 1/2			
4 1/2		4975	150 sax = 1800
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS _____ FEET _____ SALT WATER _____ FEET _____
 APPROXIMATE COAL DEPTHS None Anticipated
 IS COAL BEING MINED IN THE AREA? No BY WHOM? _____

TO DRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, \$100.00 PERMIT FEE, PERFORMANCE BOND AND PERMANENT COPY OF PLAT.

TO DRILL DEEPER OR REDRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, SHOWING ORIGINAL PERMIT NUMBER AND PERFORMANCE BOND. ON WELLS DRILLED PRIOR TO 1929, A PERMANENT COPY OF THE PLAT AND THE ORIGINAL WELL RECORD MUST ALSO BE SUBMITTED.

TO FRACTURE - STIMULATE:

OIL AND/OR GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1929, FIVE (5) COPIES OG - 1, PERFORMANCE BOND, PERMANENT PLAT AND ORIGINAL WELL RECORD.

OIL AND/OR GAS WELL ORIGINALLY DRILLED ON AND/OR AFTER JUNE 5, 1929, FIVE COPIES OG - 1, SHOWING ORIGINAL PERMIT NUMBER, AND PERFORMANCE BOND.

Required forms must be filed within ninety (90) days of completion for bond release. Inspector to be notified twenty-four (24) hours in advance.

The following waiver must be completed by the coal operator if the permit is to be issued within ten days of receipt thereof.

WAIVER: I the undersigned, Agent for _____ Coal Company, Owner or Operator of the coal under this lease have examined and place on our mine maps this proposed well location.

We the _____ Coal Company have no objections to said well being drilled at this location, providing operator has complied with all rules and regulations in Articles 4, 5, and 7, Chapter 22 of the West Virginia Code.

For Coal Company

Official Title