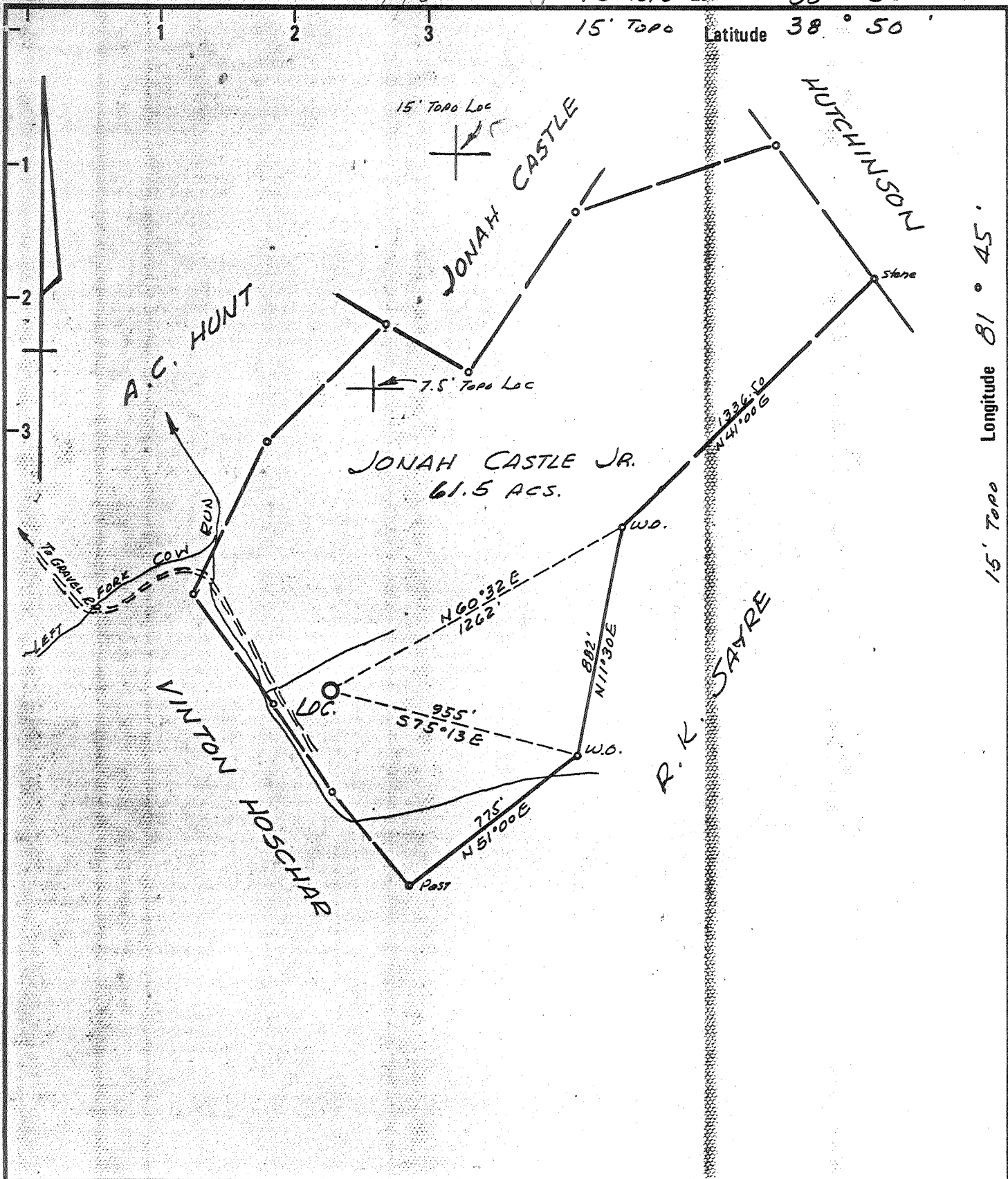


9480

7.5' Topo Loc 38° 50' 5/5/77

15' Topo Latitude 38° 50'



15' Topo Longitude 81° 45'
 7.5' Topo Loc 81° 47' 30"
 10295

New Location
 Drill Deeper
 Abandonment 8/14/90

Minimum Error of Closure 1 IN 200
 Source of Elevation U.S.G.S. Elev 962' Top of Knob North of 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."

Company Durst Oil & Gas co. Inc.
 Address Rt. 2-Box 538-Pt. Pleasant, WV. 25550
 Farm JONAH CASTLE JR.
 Tract _____ Acres 61.5 Lease No. 3291
 Well (Farm) No. DEK #34 Serial No. _____
 Elevation (Spirit Level) 626' 0
 Quadrangle 7.5' COTTAGEVILLE
15' RAVENSWOOD
 County JACKSON District UNION
 Engineer N.L. Septon
 Engineer's Registration No. 1832
 File No. _____ Drawing No. _____
 Date 4-16-77 Scale 1" = 500'

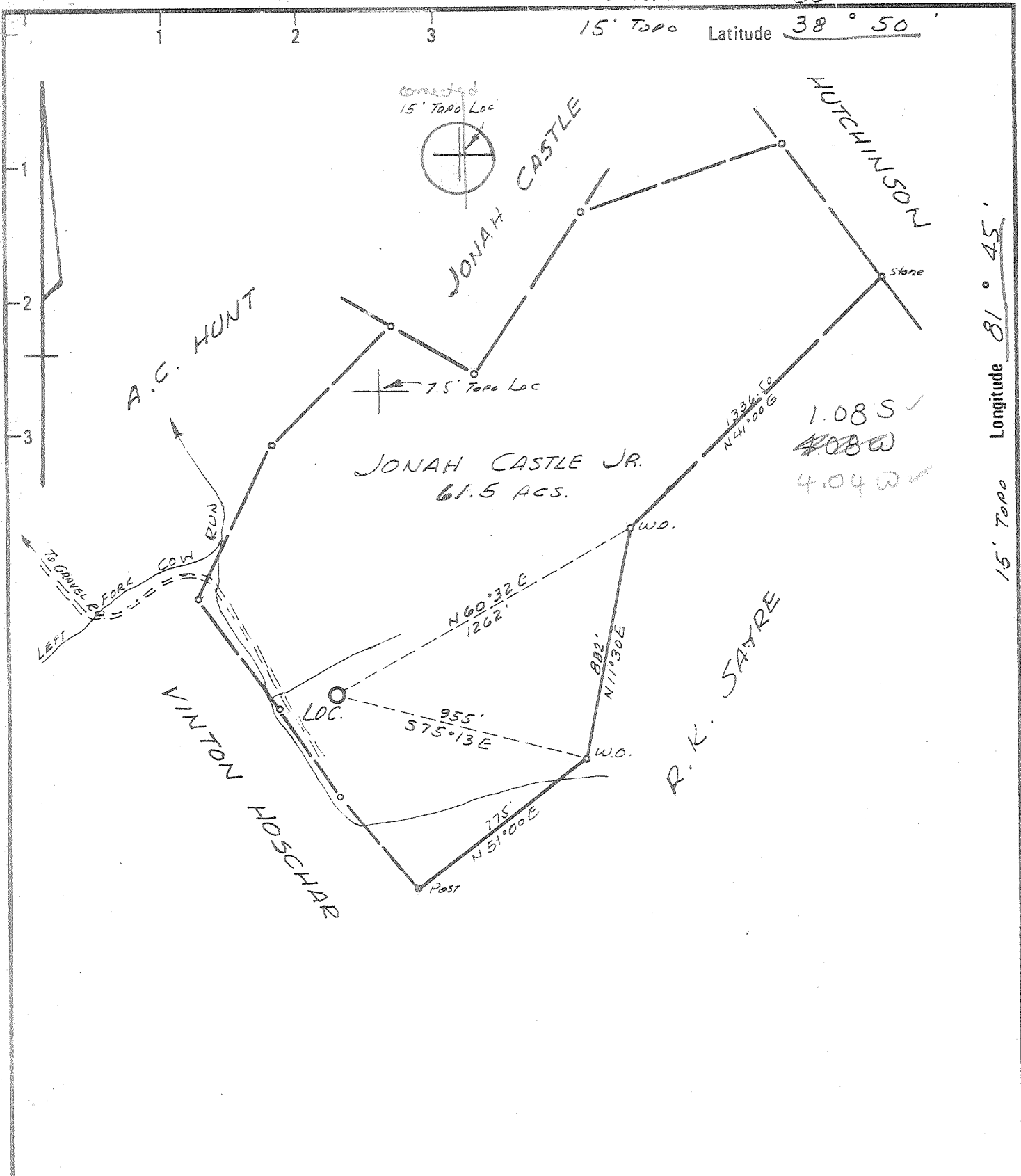
STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON
WELL LOCATION MAP
 FILE NO. JAC-1397-P

+ 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.

47-035 AUG 17 1990

N21664
 4550' Oriskany Deep Well

7.5' Topo Loc 38° 50'
 15' Topo Latitude 38° 50'



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

New Location
 Drill Deeper
 Abandonment

Minimum Error of Closure 1 IN 200
 Source of Elevation USGS Elev 962' TOP OF KNOB NORTH OF 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."

Company KAISER EXPL. & MINING CO.
 Address BOX 98 RAVENSWOOD W.VA.
 Farm JONAH CASTLE JR.
 Tract _____ Acres 61.5 Lease No. 3291
 Well (Farm) No. DEK #34 Serial No. _____
 Elevation (Spirit Level) 626' 0
 Quadrangle 7.5 COTTAGEVILLE
15' RAVENSWOOD SE
 County JACKSON District UNION
 Engineer N.L. Septon
 Engineer's Registration No. 1832
 File No. _____ Drawing No. _____
 Date 4-16-77 Scale 1" = 500'

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

WELL LOCATION MAP
 FILE NO. JAC-1397

+ 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.

47-035



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MAR - 6 1978

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

OIL & GAS DIVISION
DEPT. OF MINES

Oil and Gas Division

WELL RECORD

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

Quadrangle Ravenswood 15'

Permit No. JAC-1397
47-035

Company Kaiser Exploration & Mining Co.
Address Box 98, Ravenswood, W. Va.
Farm Jonah Castle, Jr. Acres 61 1/2
Location (waters) Left Fork of Cow Creek
Well No. DEK #34 Elev. 626
District Union County Jackson
The surface of tract is owned in fee by _____
Jonah Castle, Jr.
Address Box 46, Evans, WV
Mineral rights are owned by Same
Address _____
Drilling Commenced 7/15/77
Drilling Completed 7/28/77
Initial open flow Show cu. ft. _____ bbls.
Final production 200 MCF cu. ft. per day _____ bbls.
Well open _____ hrs. before test 1700 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	203	203	100 Sax
8 5/8			
7	2267'	2267'	75 Sax
5 1/2			
4 1/2	4561'	4561'	150 Sax=1064'
3			
2			
Liners Used			

Well treatment details:

Attach copy of cementing record.

Perforated Oriskany section at 4434' - 4436' with 8 Omega Jets shoots/ foot.
Fractured Oriskany Section with 725 bbl. water, 5,000 lbs. 80/100 and 25,000
lbs 20/40 sand, 35,000 scf nitrogen at 13 bpm.

Coal was encountered at None Feet _____ Inches _____
Fresh water _____ Feet _____ Salt Water _____ Feet _____
Producing Sand Oriskany Depth 4434 - 4436

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Shale			0	64		
Sand			64	73		
Shale			73	114		
Sand			114	120		
Shale			120	135		
Sand			135	138		
Shale			138	208		
Red Rock			208	254		
Sand			254	272		
Red Rock			272	400		
Sand			400	427		
Red Rock			427	506		
Sand			506	527		
Red Rock & Shale			527	721		
Sand			721	730		
Red Rock			730	752		
Sand			752	765		
Red Rock			765	888		
Sand			888	917		
Shale			917	948		
Salt Sand			948	1021		
Shale			1021	1225		
Sand			1225	1255		
Shale			1255	1264		

4332
626
3706

(over)

* Indicates Electric Log tops in the remarks section.

Formation	Color	Hard or Soft	Top Feet //	Bottom Feet	Oil, Gas or Water	* Remarks
Sand			1264	1269		
Shale			1269	1310		
Sand			1310	1323		
Shale			1323	1424		
Sand			1424	1457		
Shale			1457	1503		
Maxon			1503	1572		
Big Lime			1572	1682		
Shale			1682	1710		
Injun Sand			1710	1842		
Shale			1842	2171		
Coffee Shale			2171	2187		
Berea Sand			2187	2200		
Shale			2200	3341		
Brown Shale			3341	3788		
Shale			3788	4163		
Marcellus Shale			4163	4332		
Onondaga L.S.			4332	4412		
Oriskany Sand			4412	4437		
Helderberg L.S.			4437	4591		

Date March 2 1978

APPROVED F. A. P. [Signature] Owner

By Operations Manager

(Title)



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STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

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 21, 1977

Surface Owner Jonah Castle, Jr.

Company Kaiser Exploration & Mining Co.

Address Box 46, Evans, WV

Address Box 98, Ravenswood, W. Va.

Mineral Owner Jonah Castle, Jr.

Farm Jonah Castle Acres 61 1/2

Address Box 46, Evans, W. Va.

Location (waters) Left Fork of Cow Creek

Coal Owner Same as above

Well No. DFK #34 Elevation 626

Address _____

District Union County Jackson

Coal Operator Not Operated

Quadrangle Cottageville 7 1/2, Ravenswood 15'

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 9-6-77.

INSPECTOR

TO BE NOTIFIED Richard J. Morris

ADDRESS Grantsville, W. Va.

PHONE 345-7259

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 Sept. 8th 1969 by H. R. Gunno, et ux made to Commonwealth Gas Corp. and recorded on the 19th day of Sept. 1969 in Jackson County, Book 110 Page 132

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:

WEST VIRGINIA GEOLOGICAL AND
ECONOMIC SURVEY
P. O. BOX 879
MORGANTOWN, WEST VIRGINIA 26505
AC-304 - 292-6331

Address
of
Well Operator

Very truly yours, Kaiser Exploration & Mining Co.
(Sign Name)
Well Operator
W. F. Wegener, Owner's Representative
Box 98
Street
Ravenswood,
City or Town
West Virginia
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

"I have read and understand the reclamation requirements as set forth in Chapter 22, Article 4, Section 12-b and will carry out the specified requirements."

Signed by

JAC-1397 PERMIT NUMBER
47-035

Seaman

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, WV ADDRESS Box 1433, Charleston, WV
 TELEPHONE 965-3379 TELEPHONE 342-3171
 ESTIMATED DEPTH OF COMPLETED WELL: 4550 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	2300	650	75 Sax = 625 Feet
5 1/2			
4 1/2	4550	4550	125 Sax = 1500 Feet
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

RECEIVED
Division of Energy

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

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVITE SHOULD BE IN TRIPLICATE, one copy mailed to the Division, one copy to be retained by the Well Operator and the third copy (and extra copies if required) should be mailed to each coal operator at their respective addresses.

Farm name: CASTLE, JONAH Operator Well No.: DEK-34 CASTLE

LOCATION: Elevation: 626.00 Quadrangle: COTTAGEVILLE
District: UNION County: JACKSON
Latitude: 5650 Feet South of 38 Deg. 50 Min. 0 Sec.
Longitude 9480 Feet West of 81 Deg. 47 Min. 30 Sec.

Well Type: OIL _____ GAS X

Company: Durst Oil and Gas, Inc Coal Operator _____
Rt 2 Box 53E or Owner _____
Pt. Pl. WV 25550

Agent: Ronald W. Durst Jr Coal Operator _____
Inspector: Jerry Tephacock or Owner _____
Permit Issued: 08/14/90

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Jackson ss:

Ronald W. Durst Jr and Daryl L Perkins being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by Durst Oil and Gas, Inc, well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 11th day of June, 1990, and that the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED	LEFT
Class A Cement	4436	4186		
Class A Cmt	3360	3260	3360' 4 1/2"	1201
Class A Cmt	2270	2170		
Class A Cmt	1710	1610	1710 7"	557
Class A Cmt	750	650		
Class A Cmt	200	100	0 9 5/8	203'
Class A Cmt	50	0		

Description of monument: 7" csg w/ API#

and that the work of plugging and filling said well was completed on the 18th day of June, 1990.

And furthur deponents saith not.

Sworn and subscribe before me this 17th day of March, 1990
My commission expires: 10-23-95

Ronald W. Durst Jr
Daryl L Perkins
OFFICIAL SEAL
NOTARY PUBLIC
REBECCA K. BENSON
413-5th Street, New Haven, WV 25265