









#### OIL GAS DIVISION T. OF MINES

#### Oil and Gas Division

Rotary XX Oil\_ WELL RECORD 27  $\mathbf{X}\mathbf{X}$ Dorothy (7 1/2') Cable\_ Gas. Quadrangle\_Eccles (15') Recycling Comb. Water Flood\_\_ Storage\_ Permit No. RAL - 454 Disposal\_\_\_\_ 47 - 081 (Kind) Company Ashland Exploration, Inc. Left Casing and Used in Coment fill up Address P. O. Box 391, Ashland, Ky. 41101 Drilling in Well Tubing Cu. ft. (Sks.) Acres 6,000 Farm Eagle Land Co. Location (waters) Fulton Creek of Clear Fork Size Elev. 1811.0 20-16 District Clear Fork County Raleigh Cond. 13-10" The surface of tract is owned in fee by Eagle Land Co. 9 5/8 261 261 15 sks Address 1310 Kanawha Bldg.-Charleston, W. Va. 8 5/8 Mineral rights are owned by Eagle Land Co. 1476**'** <u> 1476'</u> 250 sks Address 1310 Kanawha Bldg. Charleston1/2 191 sks 3014' 30141 Drilling Commenced 8/16/78 Drilling Completed 8/24/78 2 3/8" <u> 2898</u> Initial open flow 884 M.cu. ft. \_\_\_\_\_bbls. <u> 2898</u> Liners Used cu. ft. per day \_\_\_\_\_bbls. \_\_\_\_hrs. before test 585 RP. Final production \_\_\_\_\_\_2 Wel! open \_\_\_\_\_ Well treatment details: Attach copy of cementing record. Perf Middle Weir 18H/2862-2882' & water frac w/15,000# 80/100 and 45,000# 20/40 Sand in 628 bbls treated sand laden jelled water.

Perf Lower Maxton 40H/2250-2270' & water frac w/15,000# 80/100 and 45,000# 20/40 Sand in 600 bbls of treated sand laden jelled water. Coal was encountered at .... ... Inches Feet <u>857-1428</u> Salt Water Salt Sand \_Feet . Fresh water\_ Producing Sand Middle Weir & Lower Weir Depth 2812-2836 and 2200-2285 Hard or Soft Oil. Gas or Water Formation Color Top Feet Bottom Feet \* Remarks 115 0 Shale & Sand 163 Sand 115 Shale 163 205 205 294 Sand Shale w/Sand Streaks . 294 418 418 467 Sand 530 Shale 467 827 Sand & Shale 530 Shale 827 857 1428 Salt Sand 857 1428 1500 Shale & Sand 1500 1673 Shale 1705 Avis Limestone 1673 1705 1832 Shale w/Sand Streaks 1832 1869 Upper Maxton Sand 1869 1942 Shale 1967 1942 Middle Maxton Sand 1967 2200 Shale w/Sand Streaks 2200 2285 Lower Maxton Sand 2285 2356 Little Lime 2387

(over)

2671

2812

2836

2356

2387

2671

2812

Pencil Cave

Shale & Sand

Middle Weir

Big Lime

<sup>\*</sup> Indicates Electric Log tops in the remarks section.

Formation Color	Hard or Soft	Top Feet 27	Bottom Feet	Oil, Gas or Water * Remarks
Shale Middle Weir Shale Lower Weir Shale		2836 2854 2891 2895 2989	2854 2891 2895 2989 3026	
DTD 3021' LTD 3026'				
1 +				
	:			
		7.1		

Smarth - 1

Date11/2			. 197	B
APPROVED ASHLAND, EXPLORATION,	_I	NC.	C	)wner
By allekinen			:	·
C W Carman (Staff				

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STATE OF WEST VIRGINIA







### Oil and Gas Division

## OIL AND GAS WELL PERMIT APPLICATION

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TO THE DEPARTMENT OF MINES,	
Charleston, W. Va.	DATE June 1, 1977
Surface Owner Eagle Land Co.	Company Ashland Oil, Inc.
Address 1310 Kanawha Valley Bldg. Charleston W. Va.	
Mineral Owner Same	Farm Eagle Land Co. Acres 6.000
Address	Location (waters) Fulton Creek of Clear Fork
Coal Owner Same	Well No. 3 - Serial #079591 Elevation 1811.0
Address	District Clear Fork County Raleigh
Coal Operator None	
Address	4 unit angle
IS PERMIT MUST BE POSTED AT THE WELL SITE	
the W. Va. Code, the location is hereby approved	annaman.
IN	SPECTOR  BE NOTIFIED Rue Schoolcraft
erations have not commenced by 10-13-77	The second secon
A A	DRESS P. O. Box 706, Pineville, WV.
Tobert World	IONE 732-7245
Deputy Director - Oil & Gas Division	IONE
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 da	ited April 3 19 56 by Eagle
Land Co. made to United Producing Co.,	Inc and recorded on the 21st day of June
1956, in Raleigh County, Book 25	Page192
•	REDRILLFRACTURE OR STIMULATE
· · · · · · · · · · · · · · · · · · ·	·
OIL AND GAS WELL ORIGINALLY DRILLED	DEFORE JOINE 5, 1909.
	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 note to make by Section 3 of the Code, must be received by, or file	notified that any objection they wish to make, or are required ed with the Department of Mines within ten (10) days. *
	registered mail, or delivered to the above named coal operators
or coal owners at their above shown respective addresssame day with the mailing or delivery of this copy to the Depa	
	Very truly yours,
PLEASE SUBMIT COPIES OF ALL	( hu I B) with
020111102022 2000 2000	Sign Name) Well Operator
 WEST VIRGINIA GEOLOGICAL AND	John H. Burtnett, Regional Civil Engine
ECONOMIC SURVEY Address	P. O. Box 391 Street
P O BOX 879	itor Ashland
MORGANTOWN, WEST VIRGINIA 26505 Well Operation	City or Yown
AC-304 - 292-6331	
	Kentucky 41101 State
notice and plat by the department of mines, to said proposed location, the filing of such plat, that no objections have been made by the coal operations have been made by the coal operations.	
and the well operator authorized to proceed.	was,
SLAMET BLOW	RAL-412 PERMIT NUMBER
"I have read and understand the reclamation requirements as set for Chapter 22. Article 4 Section 12-b and will carry out the specified requirements."	

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

PROPOSED WORK ORDER	TO XX DRILL	DEEPEN	FRACTURE-STIMULATE		
DRILLING CONTRACTOR:	(If Known)	RESPONSIBLE AGENT:			
NAME	· · · · · · · · · · · · · · · · · · ·	NAME H. H. Gri	ffith		
ADDRESS		ADDRESS <u>Box 156, Brenton, W. Va. 24818</u> TELEPHONE (304) 732-6677			
TELEPHONE					
ESTIMATED DEPTH OF COL	MPLETED WELL: 2925	ROTARY XX	CABLE TOOLS		
PROPOSED GEOLOGICAL FO	ORMATION: Lower Weir S	and	-		
TYPE OF WELL: O	IL GAS XX C	OMBSTORAG	E DISPOSAL		
			OODOTHER		
TENTATIVE CASING PROGE	LAM:				
CASING AND TUBING	USED FOR	LEFT IN	CEMENT FILL UP		
SIZE	DRILLING	WELL	OR SACKS - CUBIC FT.		
20 - 16					
13 - 10 9 - 5/8	32				
	32	32	10 sks		
0 - 5/8					
7	1500	1500	Circl to surface		
5 ½	0007	0005	<del>- </del>		
4 ½ 3	2925	2925	As needed		
2			Perf. Top Perf. Bottom		
Liners		-	Perf. Top		
			Perf. Bottom		
			7 CH. BOROM		
	• .	Salt Sand 7	760 <b>-1</b> 380 <b>'</b>		
	ER DEPTHS FEET _	SALT WATER	FEET		
	HS 100' THE AREA? No		<u> </u>		
TO DRILL:  SUBMIT FIVE (5) COPI  OF PLAT.	ES OF OG - 1, \$100.00 PERM	IT FEE, PERFORMANCE I	BOND AND PERMANENT COPY		
TO DRILL DEEPER OR RED	RILL.				
SUBMIT FIVE (5) COPII	ES OF OG - 1, SHOWING ORIGI R TO 1929, A PERMANENT CO	INAL PERMIT NUMBER AS OPY OF THE PLAT AND	ND PERFORMANCE BOND. ON THE ORIGINAL WELL RECORD		
TO DD ACTOUR CONTRACT AND	a .				
TO FRACTURE - STIMULATE OIL AND/OR GAS WELI		RE JUNE 5, 1929, FIVE (5)	COPIES OG - 1, PERFORMANCE		
BOND, PERMANENT PL	AT AND ORIGINAL WELL REC	CORD.	29, FIVE COPIES OG - 1, SHOW-		
ING ORIGINAL PERMIT	NUMBER, AND PERFORMANCE	BOND.	25, FIVE COPIES OG - 1, SHOW-		
Required forms must be four (24) hours in advance	filed within ninety (90) days of ce.	completion for bond release.	Inspector to be notified twenty-		
The following waiver muthereof.	st be completed by the coal ope	erator if the permit is to be	issued within ten days of receipt		
	Agent fornined and place on our mine ma		er or Operator of the coal under		
	-		well being drilled at this location,		
The state of the s			7, Chapter 22 of the West Virginia		
	•				
	•		For Cool Company		
		ł	For Coal Company		
		······································	Official Title		





OIL & GAS DIVISION

### DEPARTMENT OF MINES

### Oil and Gas Division



## OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES	June 12, 1978
TO THE DEPARTMENT OF MINES,  Charleston, W. Va.	DATE Sunc 1, 1977
Surface Owner Eagle Land Co.	Company Ashland Oil, Inc.
Address 1310 Kanawha Valley Bldg. Charleston	Address Box 391, Ashland, Ky. 41101
Mineral Owner Same	Farm Eagle Land Co. Acres 6,000
Address	Location (waters) Fulton Creek of Clear Fork
Coal Owner Same	
Address	
Coal Operator None	Quadrangle Eccles (13.) DOTOLHY (7 1/2.)
ELA 中的 THE WELL SITE	
I now i and being in accordance with Chapter 22, of the W. Va. Code, the location is hereby approved	
or oriling this permi shoulexpile it	SPECTOR RE NOTIFIED Leroy Hopkins
operations have not commenced by 10-13-78	BE NOTIFIED Leroy Hopkins
/ /	DRESS General Delivery, Ansted, W.Va.
Deputy Director - Oil & Gas Division PH	OVT CEO 11200 07077
Deputy Director - On a Gas Striston	ONE 658-4280 Zip - 25812
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 da	ted April 3 19 56 by Eagle
Land Co. made to United Producing Co.,	Inc and recorded on the 21st day of June
1956, in Raleigh County, Book 25	Page192
XX NEW WELLDRILL DEEPER	REDRILLFRACTURE OR STIMULATE
OIL AND GAS WELL ORIGINALLY DRILLED	BEFORE JUNE 5, 1969.
The enclosed plat was prepared by a registered engineer or have been notified as of the above date.	licensed land surveyor and all coal owners and/or operators
The above named coal owners and/or operator are hereby not to make by Section 3 of the Code, must be received by, or file	otified that any objection they wish to make, or are required ed with the Department of Mines within ten (10) days. *
Copies of this notice and the enclosed plat were mailed by ror coal owners at their above shown respective addresssame day with the mailing or delivery of this copy to the Department.	day before, or on the artment of Mines at Charleston, West Virginia.
PLEASE SUBMIT COPIES OF ALL	Sign Name) 10 MM H Well Operator
	John H. Burtnett, Regional Civil Engine
WEST VIRGINIA GEOLOGICAL AND ECONOMIC SURVEY Address	P. O. Box 391 Street
P. O. BOY 879	tor Ash I and
MORGANTOWN, WEST VIRGINIA 26505 Well Operator AC-304 - 292-6331	City or Town
	Kentucky 41101
	State
notice and plat by the department of mines, to said proposed location, the filing of such plat, that no objections have been made by the coal operand the well operator authorized to proceed. Darmerles	rators or found thereto by the department and that the same is approved
BLANKET BOND Rul-413 Exper	RAL-454 PERMIT NUMBER
"I have read and understand the reclamation requirements as set for Chapter 22. Article 4 Section 12-b and yell-carry out the specified requirements."  Signed by	rth in 47 081

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

PROPOSED WORK ORDER TO.	XXDRILL	DEEPEN	FRACTURE-STIMULATE		
DRILLING CONTRACTOR: (If		RESPONSIBLE AGENT: NAME H. H. Griffith			
NAME					
ADDRESS		ADDRESS Box 156	, Brenton, W. Va. 24818		
TELEPHONE			732-6677		
ESTIMATED DEPTH OF COMPL	ETED WELL:2925		CABLE TOOLS		
PROPOSED GEOLOGICAL FORM					
TYPE OF WELL: OIL_			FE DISPOSAL		
			LOOD 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	32	32	10 sks		
8 - 5/8 7					
5 1/2	1500	1500	Circl to surface		
4 ½	2925	2925	As needed		
3	LJLJ		Perf. Top		
1			Perf. Bottoin		
Liners			Perf. Top		
			Perf. Bottom		
OF PLAT.  TO DRILL DEEPER OR REDRILI SUBMIT FIVE (5) COPIES OF WELLS DRILLED PRIOR TO MUST ALSO BE SUBMITTED  TO FRACTURE - STIMULATE:  OIL AND/OR GAS WELL OR BOND, PERMANENT PLAT  OIL AND/OR GAS WELL OR ING ORIGINAL PERMIT NUM	100' AREA? NO  OF-OG - 1, \$100.00 PERMIT  C: OF OG - 1, SHOWING ORIGIN O 1929, A PERMANENT COM D.  CIGINALLY DRILLED BEFORM AND ORIGINAL WELL RECOMMENT ON ANIMALLY DRILLED ON ANIMALY D	BY WHOM?			
thereof.  WAIVER: I the undersigned, Agen  this lease have examine  We the	t for d and place on our mine map	Coal Company, Owners this proposed well local ve no objections to said ations in Articles 4, 5, and	ation.  well being drilled at this location,  7, Chapter 22 of the West Virginia		
	•	· · · · · · · · · · · · · · · · · · ·	For Coal Company Official Title		
			STATEMENT ATTIC		