

LATITUDE 38° 47' 30"

LONGITUDE 81° 42' 30"

6,700'

NORTH

L.M. Parsons

Rex Hutchison, et al
239 Ac.

W.W. Steward

Elta Hutchison

R.D. Hutchison, et al

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 600'
 MINIMUM DEGREE OF ACCURACY 1: 64,359
 PROVEN SOURCE OF ELEVATION U.S.C. & G.S., BM "A-107"
 Elev. = 615.253

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 ENERGY.
 (SIGNED) Ronald L. East
 R.P.E. _____ L.L.S. 150

PLACE SEAL HERE

STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY
 OIL AND GAS DIVISION



DATE February 19, 19 92
 OPERATOR'S WELL NO. L.S.N 1256
 API WELL NO. _____

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
 LOCATION: ELEVATION 647.09 WATERSHED Cox Fork of Parchment Creek
 DISTRICT Ripley 3 COUNTY Jackson
 QUADRANGLE Ripley 415 SW
 SURFACE OWNER Harold Hutchison ACREAGE 239
 OIL & GAS ROYALTY OWNER Rex Hutchison, et al LEASE ACREAGE 239
 LEASE NO. 2988
 PROPOSED WORK: DRILL ___ 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 Devonian Shale ESTIMATED DEPTH 4,700.'
 WELL OPERATOR Ashland Exploration, Inc. DESIGNATED AGENT Bob Hill
 ADDRESS P.O. Box 391 4619 ADDRESS Rt. 6, Box 178
Ashland, Ky. 41114 Charleston, W.Va. 25311

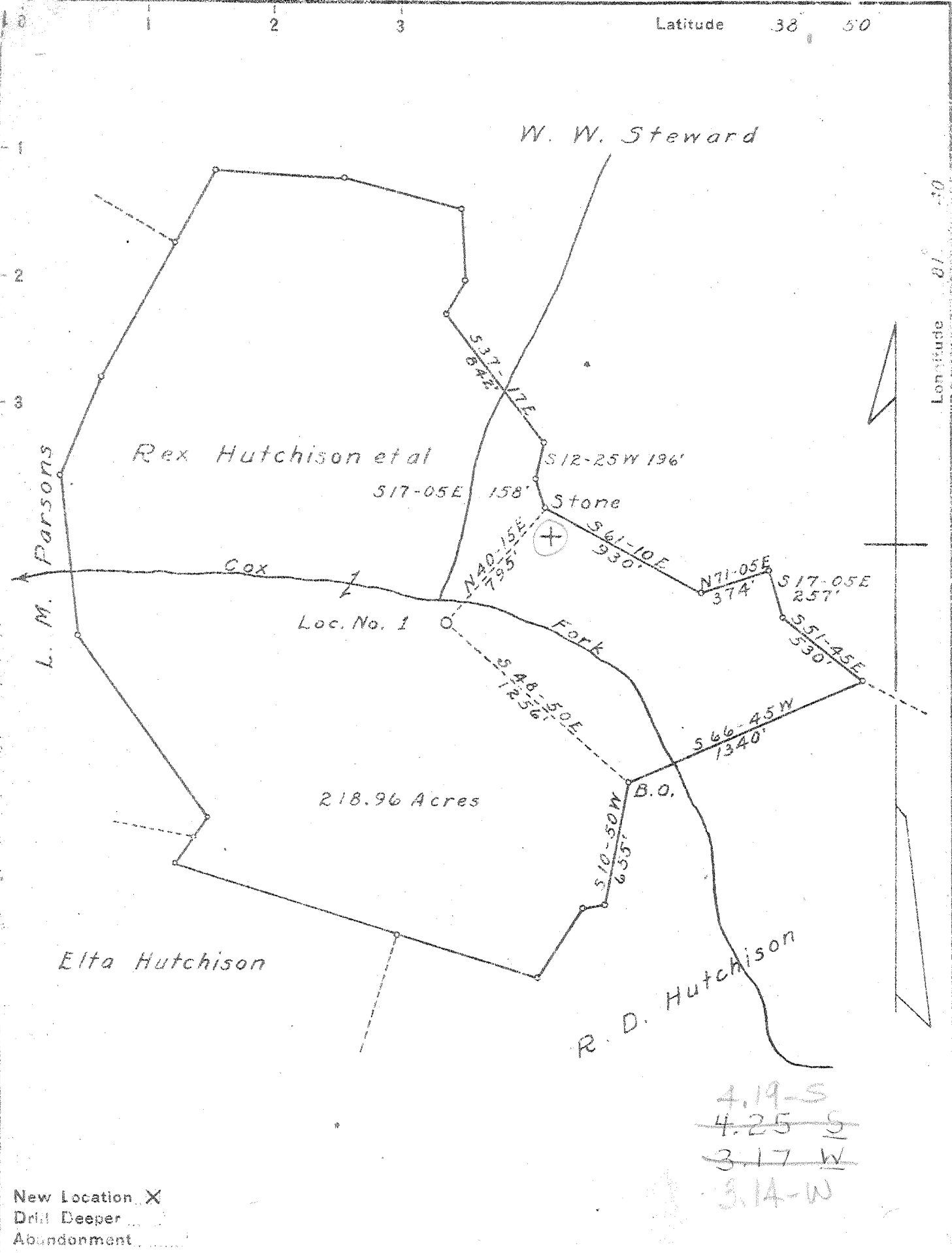
COUNTY NAME
 PERMIT

FORM WW-6
 H.T. HALL 49673

SEP 21 1992

DEEP WELL 1256

P



4.19-S
4.25-S
~~3.17-W~~
3.14-W

New Location X
Drill Deeper
Abandonment

Company United Carbon Company
 Address Charleston, W. Va.
 Farm Rex Hutchison et al
 Tract _____ Acres 218.96 Lease No. 2988
 Well (Farm) No. 1 Serial No. 1256
 Elevation (Spirit Level) 654.1' Ground
 Quadrangle Ripley (S.W.)
 County Jackson District Ripley
 Engineer E. G. Withrow
 Engineer's Registration No. _____
 File No. _____ Drawing No. _____
 Date Dec. 12, 1944 Scale 1" = 660'

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

WELL LOCATION MAP

FILE NO. Jac-484

+ 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.

REPRODUCED FROM ORIGINAL RECORDS

5-5 192 Deep Well

WEST VIRGINIA DEPARTMENT OF MINES
OIL & GAS DIVISION
W E L L R E C O R D

Permit No. Jac 484

Ripley Quad.

Company

Address

Farm

Location

Well No.

District

Surface

Mineral

Commenced

Completed

Date shot

Volume

Rock Pressure

Fresh Water

Salt Water

United Carbon Company

Box 1913, Charleston 27, W.Va.

Rex Hutchinson et al Acres 218.96

Cox Fork

1 (1256) Elev. 654' GR

Ripley Jackson County

Rex Hutchinson et al, Rt. 2

Ripley, W.Va.

Same

Feb. 27, 1945

June 13, 1945

6-14-45 Depth 4829 to 4843
with 40 qts. glycerine

Gas Well

1755 lbs. 24 hrs.

150' H.F.;

1530' H.F. ; 1958' H.F.

Gas Well
CASING & TUBING

16 Wood	157	157
13 3/8	515	0
10 1/2	982	0
8 5/8	1581	Same
7 OD	2017	"
5 1/2 OD	4735	"

Casing cemented:

8 5/8 up to 1500'

7" OD up to 1913'

5 1/2" OD up to 4515'

Coal 1205' 72"

Surface	0	20	Shale	Brown	3960	4065
Red Rock	20	30	Slate	White	4065	4465
Slate White	30	60	Shale	Brown	4465	4590
Lime	60	75	Slate	White	4590	4630
Red Rock	75	85	Shale	Brown	4630	4723
Lime	85	95	Corniferous Lime	-463	4723	4820
Sand	95	170	Criskany Sand		4820	4844
Red Rock	170	180	Lime		4844	4854
Sand	180	230	Sand	Held	4854	4872
Slate	230	245	Lime		4872	
Red Rock	245	285	TOTAL DEPTH			4875
Lime	285	305	Filled up to	(485)		4859
Red Rock	305	330				
Lime	330	335				
Slate White	335	350				
Slate & Shells	350	515	Gas	4742 show		
Sand	515	565	Gas	4830 show		
Red Rock	565	612	Gas	4832-4844		
Lime	612	652				
Red Rock	652	680				
Sand	680	730				
Slate	730	792				
Sand	792	829				
Slate & Shells	829	864				
Red Rock	864	870				
Slate & Shells	870	972				
Sand	972	1083				
Slate	1083	1115				
Sand	1115	1205				
Coal	1205	1211				
Slate	1211	1440				
Slate Black	1440	1508				
Salt Sand	1508	1630				
Slate	1630	1648				
Salt Sand	1648	1748				
Slate	1748	1751				
Big Lime ? 840	1751	1840				
Slate	1840	1862				
Injun Sand	1862	1914				
Slate	1914	1917				
Sand - Squaw	1917	1932				
Slate & Shells	1932	1952				
Sand - WEIR ?	1952	1985				
Slate & Shells	1985	2318				
Shale Brown	2318	2328				
Berea Sand	2328	2340				
Slate & Shells	2340	2255				
Shale Brown	2255	3290				
Slate & Shells	3290	3570				
Shale Brown - 441	3570	3660				
Slate & Shells	3660	3960				

4723 4820 4872
 654 654 654

 4069 4166 4218

Environmental Protection
JAN 15 93
Permitting
Office of Oil & Gas

State of West Virginia
Division of Environmental Protection
Section of Oil and Gas

Well Operator's Report of Well Work

Farm name: HUTCHINSON, HAROLD R. Operator Well No.: 1-S-1256

LOCATION: Elevation: 647.09 Quadrangle: RIPLEY

District: RIPLEY County: JACKSON
Latitude: 6700 Feet South of 38 Deg. 47 Min. 30 Sec.
Longitude: 4600 Feet West of 81 Deg. 42 Min. 30 Sec.

Company: ASHLAND EXPLORATION, INC.
P. O. BOX 391, A1-6
ASHLAND, KY 41114-0391

Agent: B. E. WIDENER

Inspector: GLEN P. ROBINSON

Permit Issued: 09/18/92
Well work Commenced: 10/20/92
Well work Completed: 01/12/93

Verbal Plugging: _____
Permission granted on: _____
Rotary _____ Cable _____ Rig _____
Total Depth (feet) _____
Fresh water depths (ft) _____

Salt water depths (ft) _____

Is coal being mined in area (Y/N)? _____
Coal Depths (ft): _____

Casing & Tubing	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
Size			
10 3/4"	982'	982'	
8 5/8"	1581'	1581'	
7"	2017'	2017'	
5 1/2"	4735'	4735'	

OPEN FLOW DATA

Producing formation Dev. Shale/Berea Pay zone depth (ft) 2330-2339
Gas: Initial open flow 48 MCF/d Oil: Initial open flow --- Bbl/d
Final open flow 48 MCF/d Final open flow --- Bbl/d
Time of open flow between initial and final tests 3 Hours
Static rock pressure 85# psig (surface pressure) after 72 Hours

Second producing formation None Pay zone depth (ft) ---
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 pressure) after --- Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1. DETAILS OF PERFORATED INTERVALS, FRACTURING OF STIMULATING, PHYSICAL CHANGE, ETC. 2.) THE WELL LOG WHICH IS A SYSTEMATIC DETIALED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

For: ASHLAND EXPLORATION, INC.

MAY 24 1993

Reviewed TMG
Recorded CH

By: James L. Stephens James L. Stephens, Eng. Tech.
Date: 1/13/93

The 5½" casing was squeezed with an additional 195 sx cmt w/ total cubic feet of the cement being 308 cubic feet from the squeezing operations.

Well Treatment

⁸¹³
Perf L. Huron 20H/3877-4075. 75 Quality foam frac using 250 gal 7½% fe acid, 41,700# 20/40 sand and 290,000 scf N₂ @ 13,200 scf/min. BD @ 1636#, ATP 1422# @ 25 BPM foam rate, MTP 1663# and ISIP 1603.

³⁹⁵
Perf Berea 20H/2330-2339. 75 Quality foam frac using 500 gal 7% fe acid, 41,500# 20/40 sand and 180,000 scf N₂ @ 5574 scf/min. BD @ 1755#, ATP 1525# @ 16 BPM, MTP 1755, and ISIP 1683#.

TA 4875
DF 485
DET 475

14242

STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS WELL WORK PERMIT APPLICATION

Expires 9/18/94

- 1) Well Operator: Ashland Exploration, Inc. 27-0 (3) 577
2) Operator's Well Number: 1, Serial #1256 3) Elevation: 647.1
4) Well type: (a) Oil_/ or Gas_X/
(b) If Gas: Production_X/ Underground Storage_/ Deep_/ Shallow_X/
5) Proposed Target Formation(s): Lower Huron Shale & Berea Sand
6) Proposed Total Depth: Original TD 4875' feet; Back to 4700 feet
7) Approximate fresh water strata depths: 150'
8) Approximate salt water depths: 1530'
9) Approximate coal seam depths: Coal Not Operated
10) Does land contain coal seams tributary to active mine? Yes_/ No_X_/
11) Proposed Well Work: Plug back existing well and fracture and stimulate two new zones. See attached Proposed Order of Work.

CASING AND TUBING PROGRAM

Rework 1/2 frac existing well.

Table with columns: TYPE, SPECIFICATIONS (Size, Grade, Weight per ft.), FOOTAGE INTERVALS (For drilling, Left in well), CEMENT (Fill-up (cu.ft.)). Rows include Conductor, Fresh Water, Coal, Intermediate, Production, Tubing, and Liners.

PACKERS : Kind Sizes Depths set

For Division of Oil and Gas Use Only

Fee(s) paid: Well Work Permit Reclamation Fund WPCP
Plat WW-9 WW-2B Bond Security Clamped Agent (Type)

- 1) Date: August 28, 1992
- 2) Operator's well number
Rex Hutchison, et al #1, Serial #1256
- 3) API Well No: 47 - 035 - 0484-FRAC
State - County - Permit

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

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

- | | |
|---|--|
| <p>4) Surface Owner(s) to be served:</p> <p>(a) Name <u>Harold R. Hutchison</u>
Address <u>P.O. Box 441</u>
<u>Ripley, WV 25271</u></p> <p>(b) Name _____
Address _____</p> <p>(c) Name _____
Address _____</p> | <p>5) (a) Coal Operator:</p> <p>Name <u>None</u>
Address _____</p> <p>(b) Coal Owner(s) with Declaration
Name <u>Same as No. 4(a)</u>
Address _____</p> <p>Name _____
Address _____</p> <p>(c) Coal Lessee with Declaration
Name <u>None</u>
Address _____</p> |
| <p>6) Inspector <u>Glen P. Robinson</u>
Address <u>Box 1</u>
<u>Belleville, WV 87616</u>
Telephone (304)- <u>863-8766</u></p> | |

TO THE PERSON(S) NAMED ABOVE TAKE NOTICE THAT:

 Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas OR

X Included is the information required by Chapter 22B, Article 1, Section 8(d) of the Code of West Virginia (see page 2)

I certify that as required under Chapter 22B of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through 2 on the above named parties, by:

- Personal Service (Affidavit attached)
- X Certified Mail (Postmarked postal receipt attached)
- Publication (Notice of Publication attached)

I have read and understand Chapter 22B and 38 CSR, 11-18, and I agree to the terms and conditions of any permit issued under this application.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete.

I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Well Operator Ashland Exploration, Inc.
By: W. Mark Parks
Its: Operations Manager
Address P.O. Box 391
Ashland, KY 41114
Telephone 606-329-5989

Subscribed and sworn before me this 28th day of August, 1992

Dale W. Nonta Notary Public
My commission expires November 23, 1994