

LATITUDE 39° 00' 385730

LONGITUDE 81° 40'

DALE ARMSTRONG

Dale Armstrong

Note:- 15 loc 4.88 S
1.64 W

Shown is the 50 ac part of a 150 ac. lease. Jackson County Deed Book 143, page 1.

Minimum Error of Closure Lin 200

Source of Elevation Elev. Wade Hall Well No 1 - 587

Fracture
 New Location
 Drill Deeper 4/21/76
 Abandonment 8/18/76

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.

Signed: W. H. [Signature]
 Squares: N S E W

Company Burdette Oil & Gas Co., Inc
 Address 7 1/2 Spring St., Ches. W.V.
 Farm Dale Armstrong
 Tract Acres 150 Lease No. _____
 Well (Farm) No. One Serial No. _____
 Elevation (Spirit Level) 773'
 Quadrangle Ripley NW
 County Jackson District Reynoldswood
 Engineer W. H. [Signature]
 Engineer's Registration No. 122
 File No. _____ Drawing No. _____
 Date Aug. 23, 1971 Scale 1" = 300' = 495'

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

WELL LOCATION MAP
 FILE NO. JACK-1306-DD-P

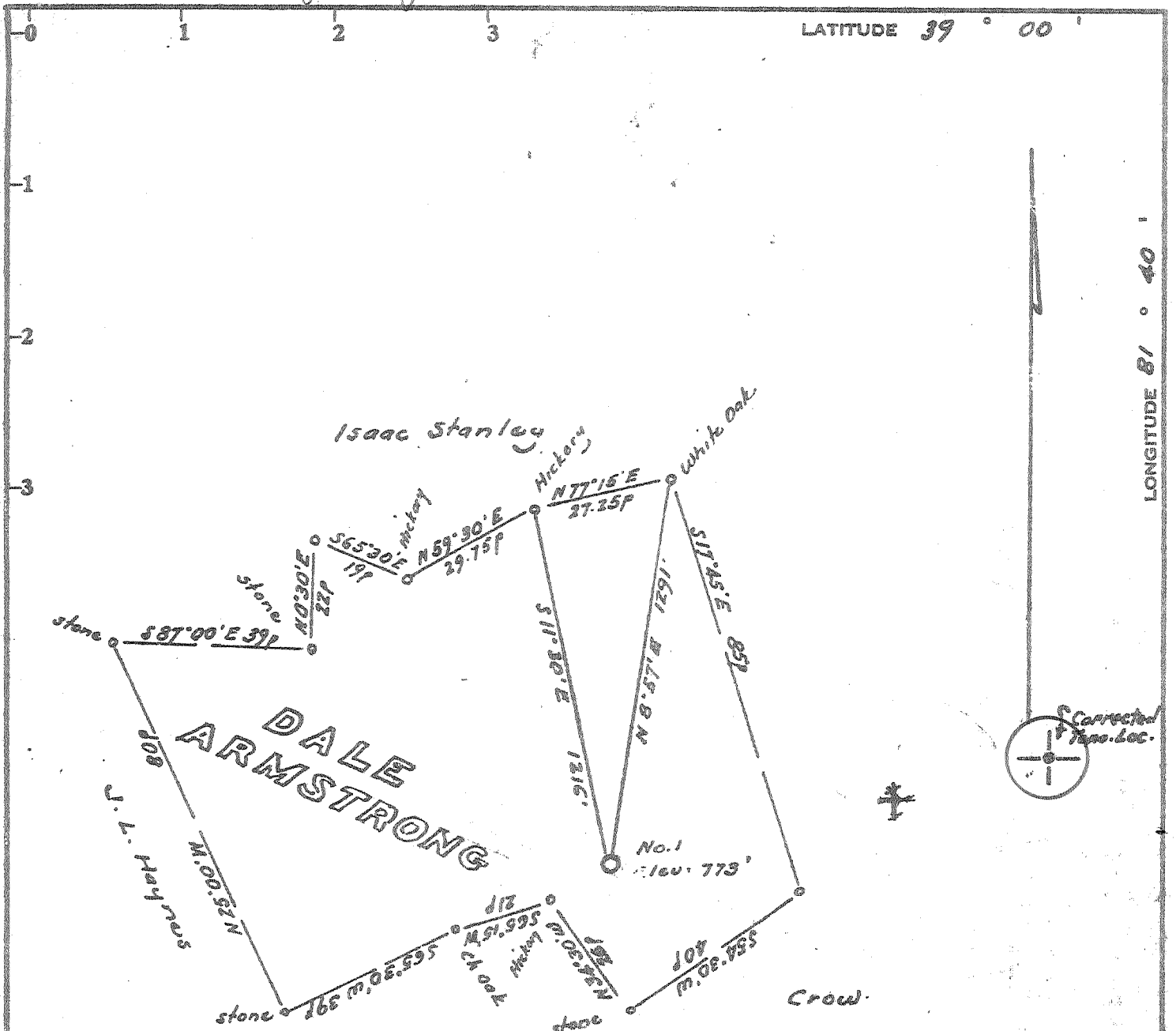
+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

--- Denotes one inch spaces on border line of original tracing.

47-035

OWDD-5800' Newburg Deep Well

JUN 30 1976



Dale Armstrong

Note:-

Shown is the 50ac part of a 150 ac. lease, Jackson County Deed Book 143, page 1.

Minimum Error of Closure Lin 200

Source of Elevation Elev. Wade Hall Well No 1 = 587

Fracture.....
 New Location.....
 Drill Deeper..... 4/21/76
 Abandonment.....

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.

Signed: W. H. [Signature]
 Squares: N S E W

Map No.

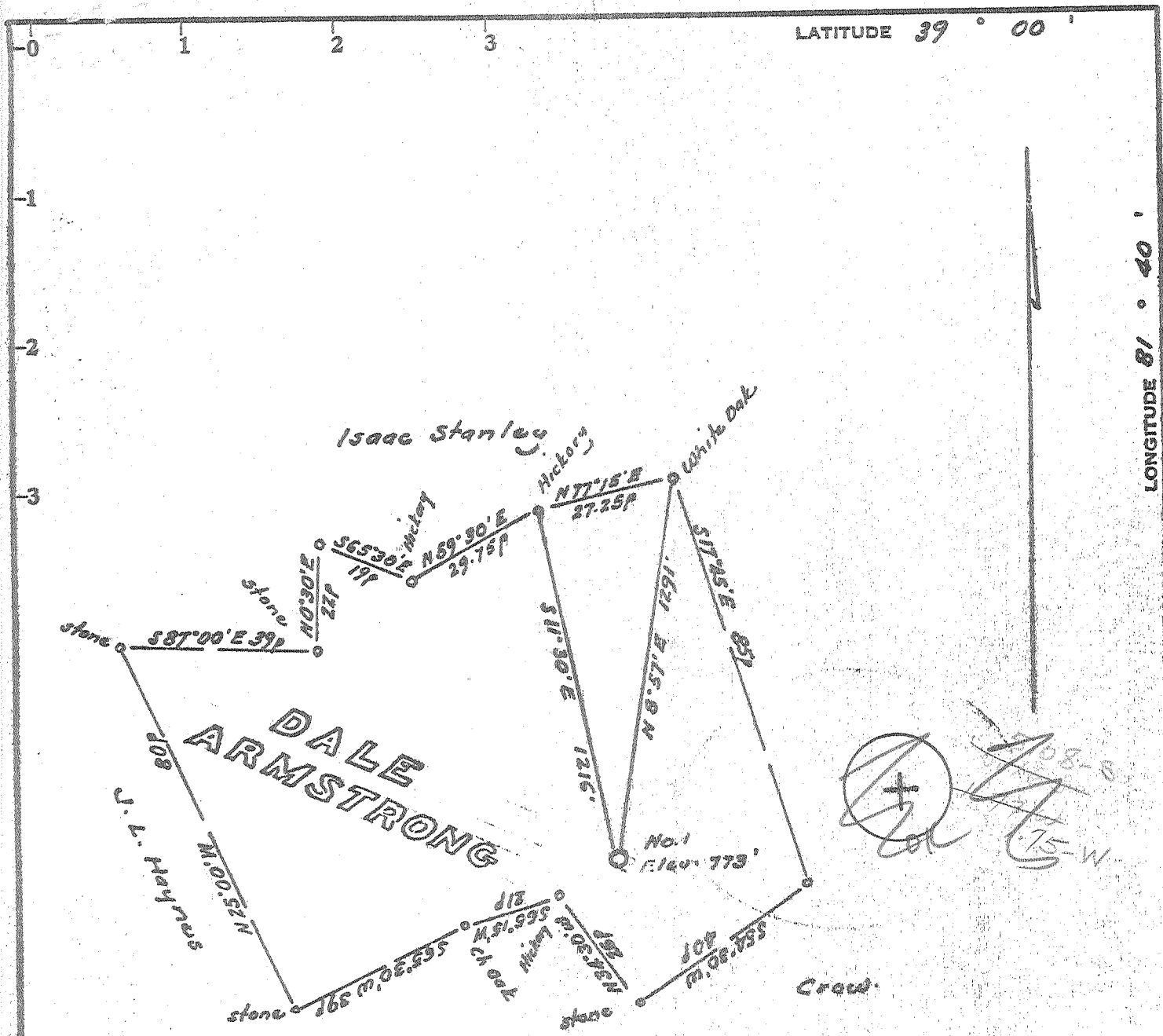
Company Burdette Oil & Gas Co., Inc.
 Address 7 1/2 Spring St., Chas. W.V.
 Farm Dale Armstrong
 Tract Acres 150 Lease No. _____
 Well (Farm) No. One Serial No. _____
 Elevation (Spirit Level) 773'
 Quadrangle Ripley NW
 County Jackson District Ravenswood
 Engineer W. H. [Signature]
 Engineer's Registration No. 1221
 File No. _____ Drawing No. _____
 Date Aug. 23, 1971 Scale 1" = 300' = 495'

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

WELL LOCATION MAP
 FILE NO. JACK-1306-DD

+ 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



Dale Armstrong

Note:-

Shown is the 50ac part of a 150 ac. lease. Jackson County Deed Book 143, page 1.

Minimum Error of Closure 1 in 200

Source of Elevation Elev. Wade Hall Well No 1 = 587

- Fracture
- New Location
- Drill Deeper
- Abandonment

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.

Signed: W. H. [Signature]
 Squares: N S E W

Map No.

Company Atlantic Inland Oil Corp.
 Address 1000 Urlin Ave. Columbus, Ohio
 Farm Dale Armstrong
 Tract _____ Acres 150 Lease No. _____
 Well (Farm) No. One Serial No. _____
 Elevation (Spirit Level) 773'
 Quadrangle Ripley
 County Jackson District Ravenswood
 Engineer W. H. [Signature]
 Engineer's Registration No. 1721
 File No. _____ Drawing No. _____
 Date Aug. 23, 1971 Scale 1" = 30p = 495

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

WELL LOCATION MAP

FILE NO. JACK - 1306

+ 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.

TRASCO

~~Sehestad (281)~~

SEP 9 1971

Deep Well (Howburg) Oriskany

6-6

(324)



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MAY 22 1972

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

OIL & GAS DIVISION
DEPT. OF MINES

Oil and Gas Division

WELL RECORD

Quadrangle Ripley

Permit No. Jac 1306

Rotary xx Oil _____
Cable xx Gas xx e. well _____
Recycling _____ Comb. _____
Water Flood _____ Storage _____
Disposal _____ (Kind) _____

Company <u>Atlantic Inland Oil Corp.</u>	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Address <u>Columbus, Ohio</u>				
Farm <u>Dale Armstrong</u> Acres <u>150</u>				
Location (waters) <u>Cox's Run</u>	Size			
Well No. <u>One</u> Elev. <u>773'</u>	<u>20-16</u>			
District <u>Raverswood</u> County <u>Jackson</u>	Cond.			
The surface of tract is owned in fee by <u>Dale Armstrong</u>	<u>13-10"</u>			
Address <u>Silverton, W.Va.</u>	<u>9 5/8</u>			
Mineral rights are owned by <u>As above</u>	<u>8 5/8</u>	<u>2021</u>	<u>2021</u>	<u>cemented</u>
Address _____	<u>7</u>	<u>2321</u>	<u>2321</u>	<u>= pulled</u>
Drilling Commenced <u>12/14/71</u>	<u>5 1/2</u>			
Drilling Completed <u>2/14/72</u>	<u>4 1/2</u>	<u>5157</u>	<u>5157</u>	<u>100 sks.</u>
Initial open flow <u>5 million</u> cu. ft. _____ bbls.	<u>3</u>			<u>50/50 poz.</u>
Final production <u>5 mill.</u> cu. ft. per day _____ bbls.	<u>2</u>			
Well open _____ hrs. before test <u>1800</u> RP.	Liners Used			

Well treatment details: Attach copy of cementing record.
Well fractured, Halliburton My-T-frac. 16,000 gal. gelled water
30,000 lbs. sand. No increase.
Well fractured, Halliburton. 950 bbls. water, 30,000 lbs. sand,
2,000 gal. 30% HCL. Results after frac. 5 million cu/ft.
5,000 Mcf

Coal was encountered at none Feet _____ Inches _____
 Fresh water _____ Feet _____ Salt Water _____ Feet _____
 Producing Sand Oriskany Depth 5122 - 5148

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
sc. & sh	gr.br.	med	0000	1958	none	
sand			1958	2070	maxton *	
limestone	gr.wh.	hard	2070	2190		Big Lime *
sd. sh.	gray	med.	2190	2200		
sand	tan	med.	2200	2324	water	Big Injun *
sd. sh.	gr.br.	med.	2324	5000		
limestone	lt.gr.	hard	5000	5122		Corniferous *
sand	cl.fr.	hard	5122	5148	gas	Oriskany *
<u>HEIDERBERG</u>			<u>5148 -</u>	<u>T.D. 5157</u>		
				<u>in Heiderberg</u>		
				<u>485</u>		
					<u>5000</u>	
					<u>775</u>	
					<u>4225 - Too Deep</u>	

*perf set @ 5125-46
per P.I. card.*



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
Oil and Gas Division

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JUN 17 1976
OIL & GAS DIVISION
DEPT. OF MINES

WELL RECORD

Quadrangle Ripley
Permit No. Jac. 1306 DD

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

Burdette Oil & Gas - Drill Deeper

Company Atlantic Inland Oil Corp.
Address Columbus, Ohio
Farm Dale Armstrong Acres 150
Location (waters) Cox's Run
Well No. One Elev. 1010 EKB
District Ravenswood County Jackson
The surface of tract is owned in fee by _____
Dale Armstrong
Address Silverton, W. Va.
Mineral rights are owned by As above
Address _____
Drilling Commenced 12/14/71
Drilling Completed 2/14/72
Initial open flow 5 million cu. ft. _____ bbls.
Final production 5 mill. cu. ft. per day _____ bbls.
Well open _____ hrs. before test 1800 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			
8 5/8	2021	2021	cemented
7	2321	2321	= pulled
5 1/2			
4 1/2	5157	5157	100 sks.
3			50/50 poz.
2			
Liners Used			

Well treatment details: Attach copy of cementing record.
Well fractured, Halliburton My-T-frac. 16,000 gal. gelled water
30,000 lbs. sand. No increase.
Well fractured, Halliburton. 950 bbls. water. 30,000 lbs. sand.
2,000 gal. 30% HCL. Results after frac. 5 million cu/ft.

Coal was encountered at none Feet _____ Inches _____
Fresh water _____ Feet _____ Salt Water _____ Feet _____
Producing Sand Oriskany Depth 5122-5148

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
sd. & sh	gr.br.	med	0000	1958	none	
sand			1958	2070	maxton *	
limestone	gr.wh.	hard	2070	2190		Big Lime *
sd.y.sh.	gray	med.	2190	2200		
sand	tan	med.	2200	2324	water	Big Injun *
sd.y.sh.	gr.br.	med.	2324	5000		
limestone	lt.gr.	hard	5000	5122		Corniferous *
sand	cl.fr.	hard	5122	5148	gas	Oriskany *
			T.D.	5157		
DRILLED DEEPER						
limestone			--	5256	DD P&A 5/20/76	
Dolomite & Anhydrite			5256	5838		
Williamsport			5838	5871	Newburg	sd.y.sh. 5858-5871
Dolomite & shale			5871	--		
			T.D.	5877		

Jac-1306 #44

(over)

* Indicates Electric Log tops in the remarks section.



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MAY 22 1972

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

OIL & GAS DIVISION
DEPT. OF MINES

Oil and Gas Division

WELL RECORD

39-00
1-54

Quadrangle Ripley

Permit No. Jac 1306

Rotary XX Oil _____
Cable XX Gas XX c. NOLL _____
Recycling _____ Comb. _____
Water Flood _____ Storage _____
Disposal _____ (Kind) _____

Company Atlantic Inland Oil Corp.
Address Columbus, Ohio
Farm Dale Armstrong Acres 150
Location (waters) Cox's Run
Well No. One Elev. 773'
District Ravenswood County Jackson
The surface of tract is owned in fee by _____
Dale Armstrong
Address Silverton, W.Va.
Mineral rights are owned by As above
_____ Address _____
Drilling Commenced 12/14/71
Drilling Completed 2/14/72
Initial open flow 5 million cu. ft. _____ bbls.
Final production 5 mill cu. ft. per day _____ bbls.
Well open _____ hrs. before test 1800 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			
8 5/8	2021	2021	cemented = pulled
7	2321	2321	
5 1/2			
4 1/2	5157	5157	100 sks. 50/50 poz.
3			
2			
Liners Used			

Well treatment details:

Attach copy of cementing record.

Well fractured, Halliburton My-T-frac. 16,000 gal. gelled water 30,000 lbs. sand. No increase.
Well fractured, Halliburton. 950 bbls. water. 30,000 lbs. sand. 2,000 gal. 30% HCL. Results after frac. 5 million cu/ft.

Coal was encountered at none Feet _____ Inches _____
Fresh water _____ Feet _____ Salt Water _____ Feet _____
Producing Sand Oriskany Depth 5122 - 5148

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
sd. & sh	gr.br.	med	0000	1958	none	
sand			1958	2070	maxton *	
limestone	gr.wh.	hard	2070	2190		Big Lime *
sd. sh.	gray	med.	2190	2200		
sand	tan	med.	2200	2324	water	Big Injun *
sd. sh.	gr.br.	med.	2324	5000		
limestone	lt.gr.	hard	5000	5122		Corniferous *
sand	cl.fr.	hard	5122	5148	gas	Oriskany *
			T.D. 5157			

(over)

* Indicates Electric Log tops in the remarks section.



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APR 21 1976

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 _____

Surface Owner _____

Company _____

Address _____

Address _____

Mineral Owner Dale Armstrong

Farm Burdette Oil & Gas Co., Inc. Acres _____

Address Route 1, Ravenswood, W. Va.

Location (waters) 7 1/2 Spring St., Chas., W. Va.

Coal Owner Same

Well No. Dale Armstrong Elevation 150

Address _____

District Washington County Jackson

Coal Operator _____

Quadrangle Ripley

Address _____

THIS PERMIT MUST BE POSTED AT THE WELL SITE

All provisions being in accordance with Chapter 29 of the W. Va. Code, the location is hereby approved for deepening. This permit shall expire if operations have not commenced by 8-22-76.

Robert H. Love

Deputy Director - Oil & Gas Division

INSPECTOR TO BE NOTIFIED Richard J. Morris

PH: 354-7259 ADDRESS Grantsville, W. Va.

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 _____ 19____ by _____ made to _____ and recorded on the _____ day of _____

1976 in Armstrong County, Book Burdette Oil & Gas Co., Inc. Page 2nd of April 76 Date 20th April
76 NEW WELL Jackson 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.

Very truly yours,

(Sign Name) _____

Well Operator

Burdette Oil & Gas Co.

J. E. Burdette
Street 7 1/2 Spring St.,

City or Town

Charleston, W. Va.

State

PLEASE SUBMIT COPIES OF ALL
GEOPHYSICAL LOGS DIRECTLY TO:

West Virginia Geological and Economic Survey
P. O. Box 879
Morgantown, W. Va. 26505

Address
of
Well Operator

*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.

JAC-1306-DD PERMIT NUMBER

47-035

BOND DRILL

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

PROPOSED WORK ORDER TO _____ DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) _____ RESPONSIBLE AGENT: _____
 NAME _____ NAME _____
 ADDRESS _____ ADDRESS _____
 TELEPHONE _____ TELEPHONE L. G. Burdette
 ESTIMATED DEPTH OF COMPLETED WELL: _____ ROTARY 5121 Big Tyler Road
 PROPOSED GEOLOGICAL FORMATION: _____ CABLE TOOLS 776-3767
 TYPE OF WELL: OIL _____ GAS 5000 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			
8 - 5/8			
7			
5 1/2			
4 1/2			
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS _____ FEET _____ SALT WATER _____ FEET _____
 APPROXIMATE COAL DEPTHS _____
 IS COAL BEING MINED IN THE AREA? 5000 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