

FILE NO. 196/78
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1 IN 200
 PROVEN SOURCE OF ELEVATION Rd. Fks. 829'

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 MINES.
 (SIGNED) L. D. Williams
 R.P.E. _____ L.L.S. 105



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-6 (8-78)



DATE AUG 20, 1985
 OPERATOR'S WELL NO. 6
 API WELL NO. 47-017-281-DD
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW X
 LOCATION: ELEVATION 960' WATER SHED TOM'S RUN
 DISTRICT NEW MILTON 6 COUNTY DODDRIDGE
 QUADRANGLE NEW MILTON 7 1/2
 SURFACE OWNER L. W. BOYCE ACREAGE 80
 OIL & GAS ROYALTY OWNER G.P. BARTLETT HRS. LEASE ACREAGE 80
 LEASE NO. _____
 PROPOSED WORK: DRILL ___ CONVERT ___ DRILL DEEPER X REDRILL ___ FRACTURE OR STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

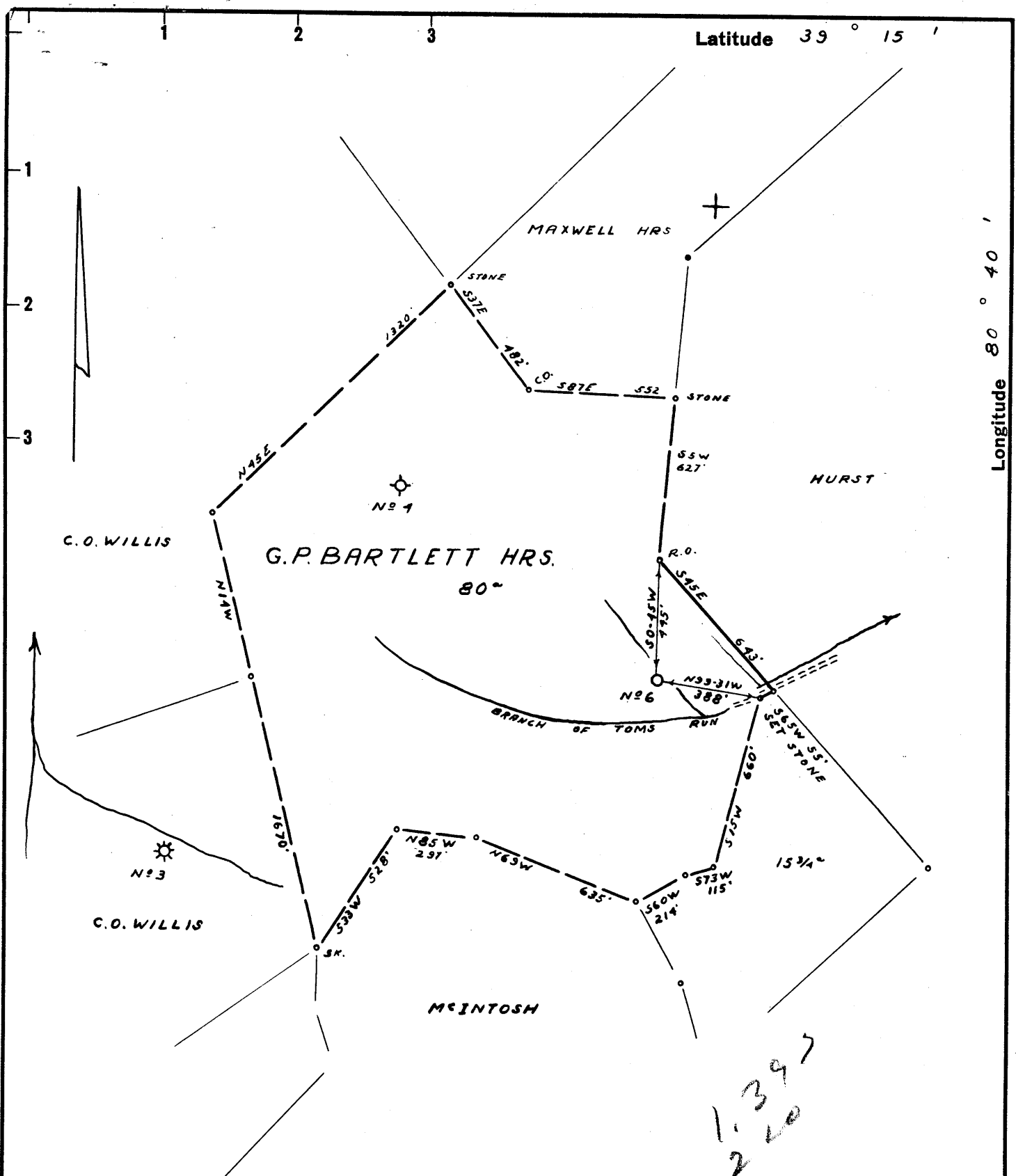
PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION ALEXANDER ESTIMATED DEPTH 5300'

George Jackson
 P.O. Box 1698- Clarksburg, WVa. 26301
 Surface: L. W. Boyce (Bartlett #2)

DATED AGENT GEORGE JACKSON
 ADDRESS PO BOX 1698
CLARKSBURG, W.V. 26301
6-6 Straight Fort Alexander Creek (122) (144)

431

3 1985



New Location ..
 Drill Deeper
 Abandonment

Company DODDRIDGE GAS N° 6
 Address CLARKSBURG, W.VA.
 Farm G.P. BARTLETT HRS.
 Tract _____ Acres 80 Lease No. _____
 Well (Farm) No. 2 Serial No. 6
 Elevation (Spirit Level) 960' V.A.
 Quadrangle VADIS NW 1² - NW
 County DODDRIDGE District NEW MILTON
 Engineer JAMES D. JEFFRIES
 Engineer's Registration No. 1084
 File No. 196/78 Drawing No. _____
 Date 7-11-59 Scale 1" = 500'

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

WELL LOCATION MAP
 FILE NO. DOD-281

+ 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.

RDME

6 ~~33~~ (144)



WR-RECEIVED
NOV 20 1985

DIVISION OF OIL & GAS
DEPT. OF ENERGY

State of West Virginia
DEPARTMENT OF ENERGY
Oil and Gas Division

Date October 22, 1985
Operator's
Well No. Bartlett #2 DD
Farm L.W. Boyce
API No. 47 - 017 - 0281DD

WELL OPERATOR'S REPORT
OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil ___ / Gas X / Liquid Injection ___ / Waste Disposal ___ /
(If "Gas," Production X / Underground Storage ___ / Deep ___ / Shallow ___ /)

LOCATION: Elevation: 960' Watershed Tom's Run
District: New Milton County Doddridge Quadrangle New Milton 7 1/2'

COMPANY George Jackson
ADDRESS PO Box 1698, Clarksburg, WV
DESIGNATED AGENT George Jackson
ADDRESS PO Box 1698, Clarksburg, WV
SURFACE OWNER L.W. Boyce
ADDRESS New Milton, WV 26411
MINERAL RIGHTS OWNER Fern Bartlett, et al
ADDRESS 1770 Kent St., Columbus, OH
OIL AND GAS INSPECTOR FOR THIS WORK
Mike Underwood ADDRESS Rt. 2 Box 114, Salem WV
PERMIT ISSUED September 16, 1985
DRILLING COMMENCED October 15, 1985
DRILLING COMPLETED October 20, 1985
IF APPLICABLE: PLUGGING OF DRY HOLE ON
CONTINUOUS PROGRESSION FROM DRILLING OR
REWORKING. VERBAL PERMISSION OBTAINED
ON _____

Casing Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10"			
9 5/8			
8 5/8	293'6"	293'6"	
7	1133'1"	1133'1"	
5 1/2	1896'	1896'	Cemented 1496' = 18'
4 1/2			
3 1/2	5428	5428	50 sxs
2			
Liners used			

GEOLOGICAL TARGET FORMATION Alexander Depth 5,200' feet
Depth of completed well 5,500' feet Rotary X / Cable Tools _____
Water strata depth: Fresh --- feet; Salt --- feet
Coal seam depths: None Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Alexander Pay zone depth 5175-248 feet
Gas: Initial open flow --- Mcf/d Oil: Initial open flow --- Bbl/d
Final open flow 198 Mcf/d Final open flow --- Bbl/d
Time of open flow between initial and final tests 4 hours
Static rock pressure 1625 psig (surface measurement) after 137 hours shut in
(If applicable due to multiple completion--)
Second producing formation _____ Pay zone depth _____ feet
Gas: Initial open flow _____ Mcf/d Oil: Initial open flow _____ Bbl/d
Final open flow _____ Mcf/d Oil: Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ hours
Static rock pressure _____ psig (surface measurement) after _____ hours shut in

(Continue on reverse side)

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

Perf: 2 1/8" Dyna Cap Charge, 10 Shots ^{Alex} 5176' - 5221'.

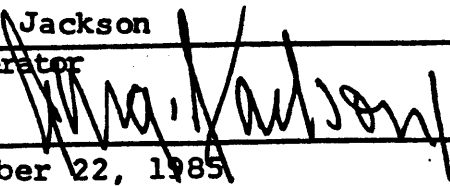
Frac: 500 gal. Hydro. Acid 15%; 250 sks Sand; 250 bbls. Water!

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Siltstone			1956	2008	
Shale			2008	2200	
Weir			2200	2228	
Shale			2228	2356	
Berea			2356	2366	
Shale			2366	2570	
Gordon			2570	2580	
Shale			2580	3238	
Balltown			3238	3248	
Shale			3248	3690	
2nd Balltown			3690	3700	
Shale			3900	4390	
1st Riley			4390	4408	
Shale			4408	4630	
2nd Riley			4630	4652	
Shale			4652	4858	
Benson			4858	4867	
Shale			4867	5175	
Alexander			5175	5248	
Shale			5248	5500	
		TOTAL DEPTH		5500	No water encountered while drilling.

5500 new TD
1956-old TD
3544 - new ftg

(Attach separate sheets as necessary)

George Jackson
Well Operator
By: 
Date: October 22, 1985

Note: Regulation 2.02(i) provides as follows:
"The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including coal, encountered in the drilling of a well."



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION 6

Quadrangle Vades

Permit No. DOD-281

WELL RECORD

Oil or Gas Well Gas
(KIND)

Company DODDRIDGE GAS NO. 6
Address P. O. Drawer 351, Clarksburg, W. Va.
Farm G. P. Bartlett Heirs Acres 80
Location (waters) Tom's Run
Well No. 2 Elev. 960' VA
District New Milton County Doddridge

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
18			Size of
<u>10"</u>			
8 1/4	<u>293' 6"</u>	<u>293+6"</u>	Depth set
6 3/4	<u>1133' 1"</u>	<u>1133' 1"</u>	
5 3/8	<u>1896'</u>	<u>1896'</u>	
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

The surface of tract is owned in fee by Fern Bartlett, et al.
1770 Kent St., Columbus 5, Ohio.

Mineral rights are owned by Fern Bartlett, et al.
Same Address _____

Drilling commenced 9/28/59

Drilling completed 12/12/59

Date Shot _____ From _____ To _____

With _____

Open Flow 24/10ths Water in 3" Inch

_____/10ths Merc. in _____ Inch

Volume 345,000 Cu. Ft.

Rock Pressure 380# lbs. 48 hrs.

Oil _____ bbls., 1st 24 hrs.

WELL ACIDIZED _____

WELL FRACTURED _____

RESULT AFTER TREATMENT _____

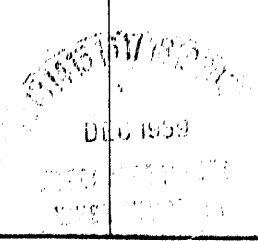
ROCK PRESSURE AFTER TREATMENT _____

Fresh Water _____ Feet

Salt Water _____ Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Clay			0	16			
Lime			16	46			
Red Rock			46	80			
Red Rock			46	124			
Sand			124	155			
Red Rock			155	178			
Sand			178	210			
Lime			210	237			
Slate			237	248			
Lime			248	260			
Red Rock			260	265			
Lime			265	315			
Red Rock			315	366			
Broken Lime			366	407			
Red Rock			407	453			
Lime			453	582			
Coal			582	584			
Lime			584	626			
Red Rock			626	790			
Lime			790	1032			
Sand			1032	1065			
Slate & Shells			1065	1123			
Lime			1123	1224 1265			
Slate			1265	1285			
Black Shells			1285	1290			
Sand			1290	1310			
Broken Lime			1310	1320			
Sand			1320	1400			

(over)



Formation	Color	Hard or Soft	Top 6	Bottom	Oil, Gas or Water	Depth Found	Remarks
Black Slate			1400	1407			
Lime			1407	1450			
Sand			1450	1480			
Lime		Hard	1480	1535			
Slate & Shells			1535	1583			
Lime & Shells			1583	1600			
Sand		Hard	1600	1635			
Slate & Shells			1635	1720			
Lime			1720	1737			
Maxon Sand			1737	1752			
Slate & Shells			1752	1780			
Lime			1780	1798			
Slate			1798	1807			
Little Lime			1807	1828			
Blue Monday Wh.		Very Hard	1828	1875			
Big Lime			1875	1918			
Injun Sand			1918				
Total Depth				1956			
					Gas at 1945'	18/10 W. 1"	
					" " 1948'	28/10 W 1 1/2"	
					" " 1950	40/10 W 3"	

Date December 16, 1959, 19__

APPROVED DODDRIDGE GAS NO. 6, Owner

By: By _____ (Title)

BLANKET BOND #
029-848F5691



1) Date: September 4, 1985
2) Operator's Well No. Bartlett #2
3) API Well No. 47 - 017 - 0281DD
State County Permit

RECEIVED
SEP 6 1985

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

- 4) WELL TYPE: A Oil / Gas X
DIVISION OF OIL & GAS (If "Gas", Production X) / Underground storage / Deep / Shallow X)
DEPARTMENT OF ENERGY LOCATION: Elevation: 960' Watershed: Tom's Run
District: New Milton County: Doddridge Quadrangle: New Milton 7 1/2'
- 6) WELL OPERATOR George Jackson CODE: 24300 7) DESIGNATED AGENT George Jackson
Address P.O. Box 1698 Address P.O. Box 1698
Clarksburg, WV 26302 Clarksburg, WV 26302
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
Name Mike Underwood Name Tri-State Well Service, Inc.
Address Route 2 Box 114 Address Box 299, Berea Plaza
Salem, WV 26426 Bridgeport, WV 26330
- 10) PROPOSED WELL WORK: Drill / Drill deeper X / Redrill / Stimulate
Plug off old formation / Perforate new formation X
Other physical change in well (specify)
- 11) GEOLOGICAL TARGET FORMATION, Alexander 439
- 12) Estimated depth of completed well, 5,300' feet
13) Approximate strata depths: Fresh, 300' feet; salt, 1300' feet.
14) Approximate coal seam depths: Is coal being mined in the area? Yes / No X
- 15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		
Conductor									Kinds
Fresh water	8 1/4"	API		X		293' 6"	293' 6"		
Coal									Sizes
Intermediate	6 5/8"	API		X		1133' 1"	1133' 1"		
Production	5 3/16"	API		X		1896'	1896'	1496'-1896'	Depths set
Tubing	2 7/8"	API				5300'	5300'	Cemented 600'	
Lin...									Perforations:
									Top Bottom

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-017-0281-D

September 16 1985
Date

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. Notification must be given to the District Oil and Gas Inspector. (Refer to No. 8) Prior to the construction of roads, locations and pits for any permitted work. In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

The permitted work is as described in the Notice and Application, plat, and reclamation plan, subject to any modifications and conditions specified on the reverse hereof.

Permit expires September 16, 1987 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <u>✓</u>	Agent: <u>ALB</u>	Plat: <u> </u>	Casing: <u> </u>	Fee: <u>10270</u> <u>10217</u>	WPCP: <u> </u>	S&E: <u> </u>	Other: <u> </u>
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NOTE: Keep one copy of this permit posted at the drilling location.

Director, Division of Oil and Gas

File

See the reverse side of the APPLICANT'S COPY for instructions to the well operator.