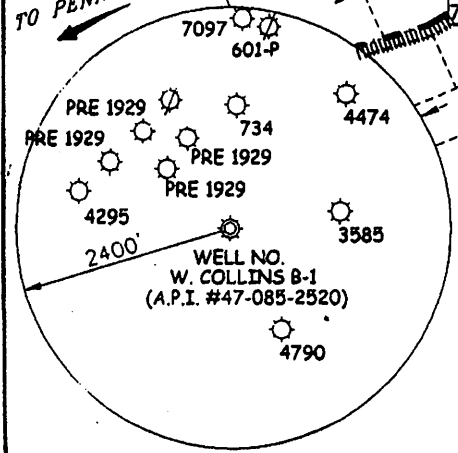
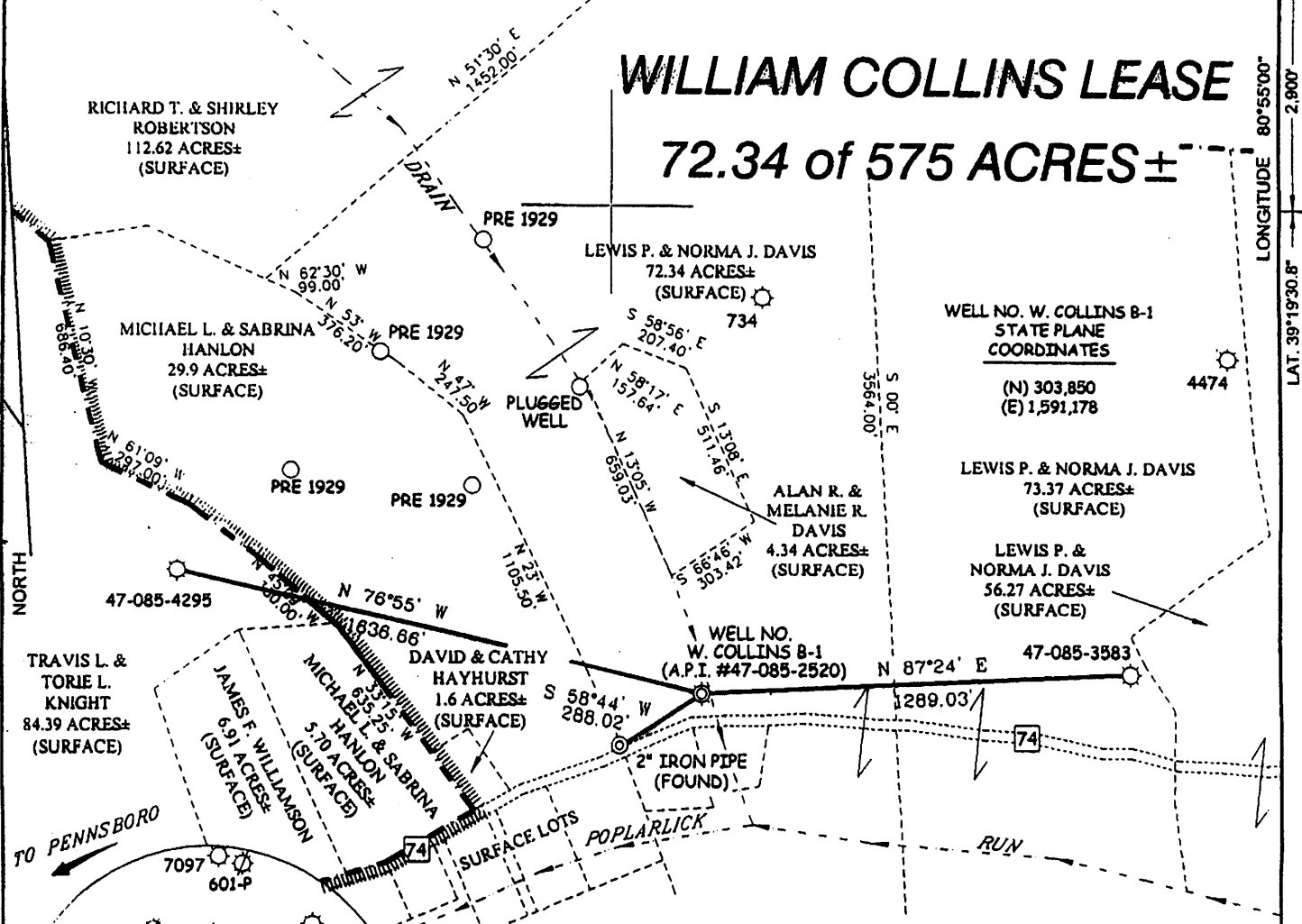


WILLIAM COLLINS LEASE

72.34 of 575 ACRES±



WELL NO. W. COLLINS B-1 (A.P.I. #47-085-2520)

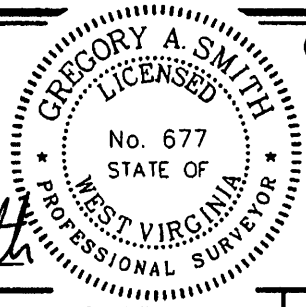
NOTES ON SURVEY

1. TIES TO WELLS AND CORNERS ARE BASED ON GRID NORTH FOR THE WV STATE PLANE COORDINATE SYSTEM NORTH ZONE NAD'27.
2. LEASE BOUNDARY SHOWN HEREON TAKEN FROM DEED BOOK 87 PAGE 286.
3. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF RITCHIE COUNTY IN JANUARY, 2005.
4. WELL LAT./LONG. (NAD'27) ESTABLISHED BY DGPS (SUBMETER MAPPING GRADE).



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 DIVISION OF ENVIRONMENTAL PROTECTION.

P.S. 677 *Gregory A. Smith*



(*) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
 DATE JANUARY 7, 20 05
 OPERATORS WELL NO. W. COLLINS B-1
 API WELL NO. 47 - 085 - 2520D
 STATE WV COUNTY PERMIT

CANCELLED

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 5657PB-1 (172-69)
 PROVEN SOURCE OF ELEVATION DGPS (SUBMETER MAPPING GRADE) SCALE 1" = 500'

STATE OF WEST VIRGINIA
 DIVISION OF ENVIRONMENTAL PROTECTION
 OFFICE OF OIL AND GAS

WELL TYPE:	OIL <input type="checkbox"/>	GAS <input checked="" type="checkbox"/>	LIQUID INJECTION <input type="checkbox"/>	WASTE DISPOSAL <input type="checkbox"/>	IF "GAS" PRODUCTION <input type="checkbox"/>	X STORAGE <input checked="" type="checkbox"/>	DEEP <input type="checkbox"/>	SHALLOW <input checked="" type="checkbox"/>	
LOCATION:	ELEVATION <u>844'</u>	WATERSHED <u>TRIBUTARY OF POPLAR LICK RUN</u>							
	DISTRICT <u>CLAY</u>	COUNTY <u>RITCHIE</u>	QUADRANGLE <u>PENNSBORO 7.5'</u>						
SURFACE OWNER	<u>LEWIS P. & NORMA J. DAVIS</u>		ACREAGE	<u>72.34±</u>					
ROYALTY OWNER	<u>WILLIAM COLLINS HEIRS OR ASSIGNS</u>		LEASE ACREAGE	<u>72.34 of 575±</u>					
PROPOSED WORK:	LEASE NO. _____								
DRILL <input type="checkbox"/>	CONVERT <input type="checkbox"/>	DRILL DEEPER <input checked="" type="checkbox"/>	REDRILL <input type="checkbox"/>	FRACTURE OR STIMULATE <input checked="" type="checkbox"/>	PLUG OFF OLD FORMATION <input type="checkbox"/>	PERFORATE NEW FORMATION <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	CLEAN OUT AND REPLUG <input type="checkbox"/>	OTHER <input type="checkbox"/>
PHYSICAL CHANGE IN WELL (SPECIFY) _____	TARGET FORMATION	<u>ALEXANDER</u>							
	ESTIMATED DEPTH	<u>5,999'</u>							

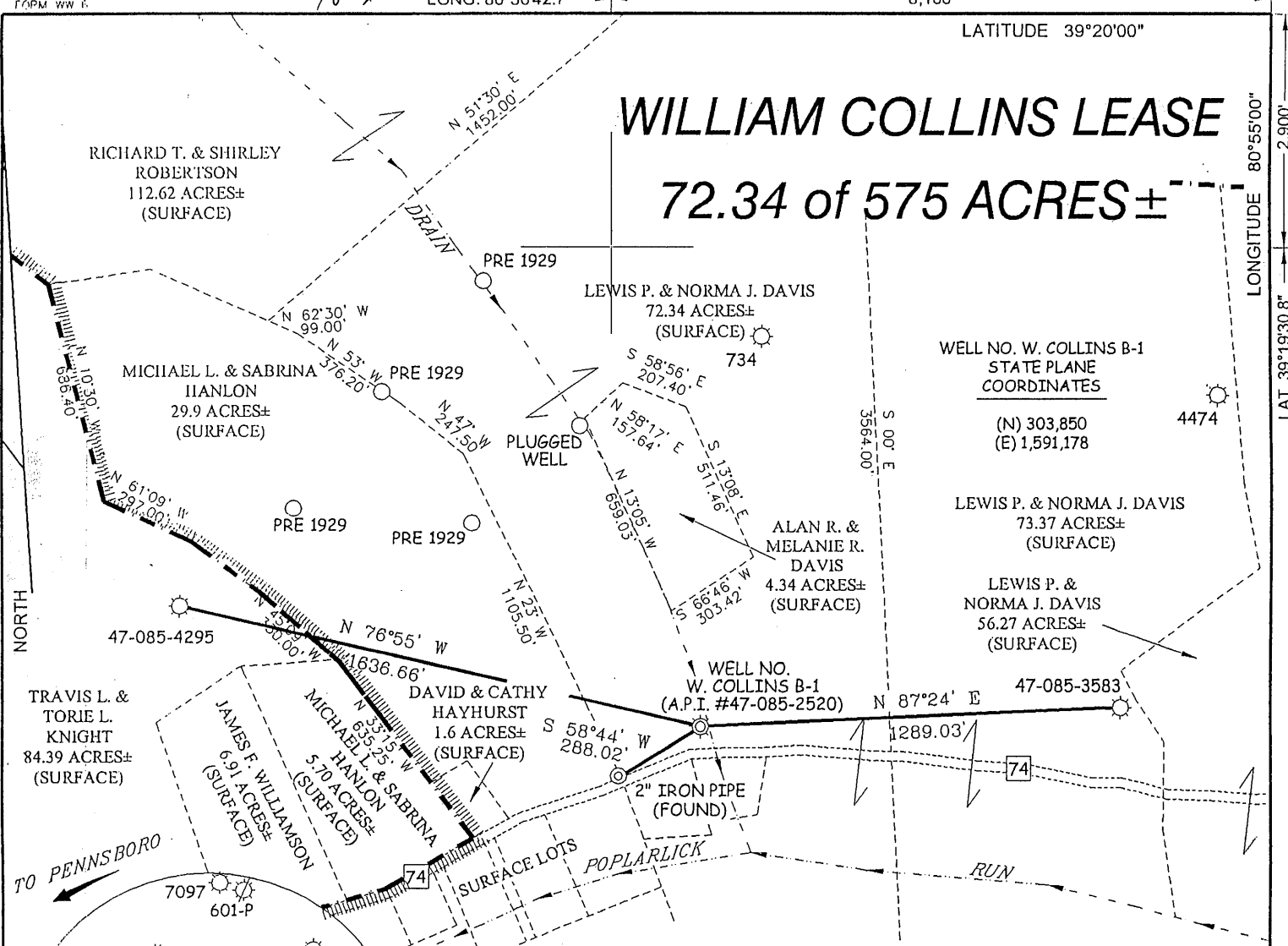
WELL OPERATOR <u>PERKINS OIL & GAS, INC.</u>	DESIGNATED AGENT <u>DERYL PERKINS</u>
ADDRESS <u>P.O. BOX 547</u> <u>PENNSBORO, WV 26415</u>	ADDRESS <u>P.O. BOX 547</u> <u>PENNSBORO, WV 26415</u>

10/04/2013

COUNTY NAME PERMIT

WILLIAM COLLINS LEASE

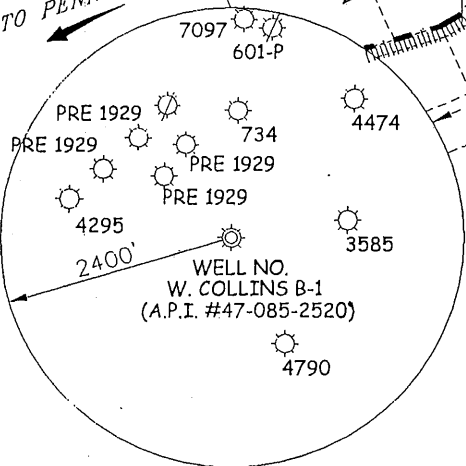
72.34 of 575 ACRES±



WELL NO. W. COLLINS B-1 (A.P.I. #47-085-2520)

NOTES ON SURVEY

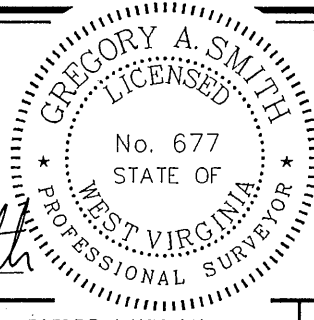
1. TIES TO WELLS AND CORNERS ARE BASED ON GRID NORTH FOR THE WV STATE PLANE COORDINATE SYSTEM NORTH ZONE NAD'27.
2. LEASE BOUNDARY SHOWN HEREON TAKEN FROM DEED BOOK 87 PAGE 286.
3. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF RITCHIE COUNTY IN JANUARY, 2005.
4. WELL LAT./LONG. (NAD'27) ESTABLISHED BY DGPS (SUBMETER MAPPING GRADE).



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 DIVISION OF ENVIRONMENTAL PROTECTION.

P.S. 677

Gregory A. Smith



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
 DATE JANUARY 7, 20 05
 OPERATORS WELL NO. W. COLLINS B-1
 API WELL NO. 47 — 085 — 2520D
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 5657PB-1 (172-69)
 PROVEN SOURCE OF ELEVATION DGPS (SUBMETER MAPPING GRADE) SCALE 1" = 500'

STATE OF WEST VIRGINIA
 DIVISION OF ENVIRONMENTAL PROTECTION
 OFFICE OF OIL AND GAS



WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL IF "GAS" PRODUCTION STORAGE DEEP SHALLOW

LOCATION: ELEVATION 844' WATERSHED TRIBUTARY OF POPLAR LICK RUN
 DISTRICT CLAY COUNTY RITCHIE QUADRANGLE PENNSBORO 7.5'

SURFACE OWNER LEWIS P. & NORMA J. DAVIS ACREAGE 72.34±
 ROYALTY OWNER WILLIAM COLLINS HEIRS OR ASSIGNS LEASE ACREAGE 72.34 of 575±
 PROPOSED WORK: LEASE NO. _____

DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD
 FORMATION PERFORATE NEW FORMATION PLUG AND ABANDON CLEAN OUT AND REPLUG OTHER
 PHYSICAL CHANGE IN WELL (SPECIFY) _____ TARGET FORMATION ALEXANDER
 ESTIMATED DEPTH 5,999'

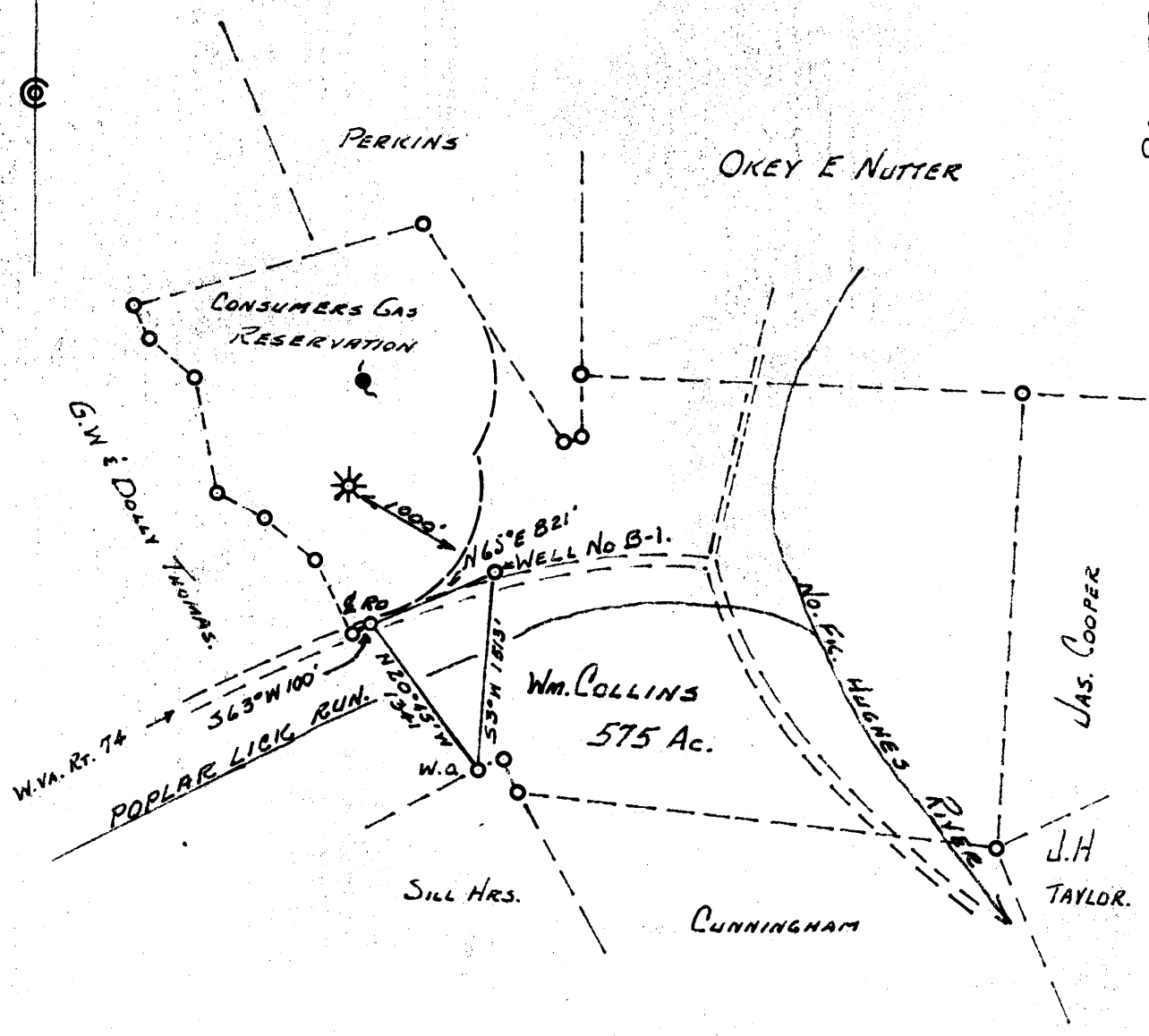
WELL OPERATOR PERKINS OIL & GAS, INC. DESIGNATED AGENT DERYL PERKINS
 ADDRESS P.O. BOX 547 ADDRESS P.O. BOX 547
PENNSBORO, WV 26415 PENNSBORO, WV 26415

M

Latitude 39° 20'

Longitude 80° 55'

0.565
1.41W



New Location
 Drill Deeper
 Abandonment

LEASE ASSIGNED TO OPERATOR BY CONSUMERS GAS UTILITY CO, WASHINGTON, D.C.

Company B AND W OIL & GAS Co.
 Address P.O. Box 211 - PENNSBORO. W.VA
 Farm WILLIAM COLLINS
 Tract _____ Acres 575 Lease No. _____
 Well (Farm) No. B-1 Serial No. _____
 Elevation (Spirit Level) 837'
 Quadrangle WEST UNION SW
 County RITCHIE District CLAY
 Engineer John W. Hamilton
 Engineer's Registration No. 2274
 File No. _____ Drawing No. _____
 Date FEB 14, 1962 Scale 1" = 80 POLES

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

WELL LOCATION MAP
 FILE NO. RIT-2520

+ 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.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION 19

Quadrangle West Union

WELL RECORD

Oil or Gas Well Gas
(KIND)

Permit No. RTT-2520

Company B. & W. Oil & Gas Co.
Address 1112 Penn Ave. Pennsboro, W. Va.
Farm Wm. Collins Acres 575
Location (waters) Poplar Lick Run
Well No. B # 1 Elev. 837
District Clay County Ritchie
The surface of tract is owned in fee by Wm. Collins
HEIRS Address Pennsboro, W. Va.
Mineral rights are owned by Wm. Collins Heirs
Address Pennsboro, W. Va.
Drilling commenced May 28, 1962
Drilling completed June 30, 1962
Date Shot _____ From _____ To _____
With _____
Open Flow _____ /10ths Water in _____ Inch
_____ /10ths Merc. in _____ Inch
Volume 15,000 Cu. Ft.
Rock Pressure 550 lbs. 24 hrs.
Oil _____ bbls., 1st 24 hrs.
WELL ACIDIZED _____

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13	35'	35'	
10	300'	None	Size of
8 1/4	1000'	None	
6 5/8			Depth set
5 3/16			
3 1/2" Tubing		1900'	Perf. top
2		1890'	Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED J-55 SIZE 4 1/2" No. Ft. 6000 Date 6-13-62
40 cement - 5 aquagel - Lawson

COAL WAS ENCOUNTERED AT None FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES

WELL FRACTURED 6-17-62

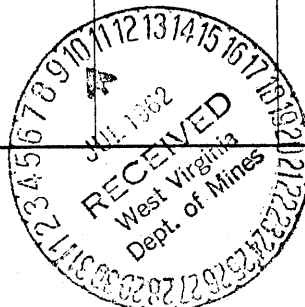
RESULT AFTER TREATMENT 260,000 Cu. Ft.

ROCK PRESSURE AFTER TREATMENT 550 lbs. 24 hrs.

Fresh Water 1 1/2 Bailers per Hr Feet 20 ft. Salt Water None Feet _____

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Soil			0	10			
Gravel			10	15			
Shells			15	25	Water	20	Creek bed
Slate			25	35			
Red Rock			35	75			
Slate			75	85			
Red Rock			85	130			
Slate & Shells			130	175			
Sand			175	230			
Slate & Shells			230	255			
Red Rock			255	270			
Slate & Shells			270	280			
Sand			280	305			
Red Rock			305	350			
Slate & Shells			350	405			
Red Rock			405	440			
Slate & Shells			440	533			
Red Rock			533	568			
Slate & Shells			568	593			
Red Rock			593	690			
Slate & Shells			690	718			
Sand			718	780			
Black Slate			780	795			
Red Rock			795	825			
Sand			825	855			
B. Slate			855	868			
Slate & Shells			868	909			
Sand			909	945			
B. Slate			945	962			
Pink Rock			962	970			

(over)



Formation	Color	Hard or Soft	Top ¹⁹	Bottom	Oil, Gas or Water	Depth Found	Remarks
Slate & Shells			970	1118			
Gas Sand			1118	1150			
Slate & Shells			1150	1175			
1 St. Salt Sand			1175	1340			
Slate			1340	1350			
2nd. Salt Sand			1350	1400			
Slate			1400	1425			
3rd. Salt Sand			1425	1510			
Sand, Broken			1510	1550			
Slate			1550	1575			
Max. Sand			1575	1622			
Slate & Shells			1622	1650			
XXXX Lime			1650	1666			
Sand			1666	1670			
Little Lime			1670	1738			
Big Lime			1738	1770			
Sand, Injun			1770	1806	Gas	1778-1788	
Slate			1806	1812			
Sand, XXXX Injun & Squaw			1812	1875	Gas	1845-1855	
Slate			1875	1900			

Date July 7, 19 62

APPROVED B. & W. Oil & Gas Co., Owner

By Harrison J. Lamm Agt.
(Title)