

Company HOPE NATURAL GAS CO.  
 Address CLARKSBURG, W.VA.  
 Farm J.D. SMITH  
 Tract \_\_\_\_\_ Acres 475 3/4 Lease No. 28479-28494  
 Well (Farm) No. 3 Serial No. 8793  
 Elevation (Spirit Level) 991  
 Quadrangle GLENVILLE  
 County GILMER District DEKALB  
 Engineer W.M. Bowers  
 Engineer's Registration No. 900  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date May 10, 1943 Scale 1" = 40 P.

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

**WELL LOCATION MAP**  
 FILE NO. GIL-598

+ 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.

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

Permit No. Gil 598  
Glenville Quad.

Gas Well  
CASING & TUBING

Company	Hope Natural Gas Company			
Address	445 West Main St., Clarksburg, W.Va.	10	411	411
Farm	J.D. Smith Acres 475 $\frac{1}{2}$	8 $\frac{1}{2}$	879	879
Location	--	6 5/8	1820	1820
Well No	8793			
District	DeKalb	Elev. 991		
Surface		Gilmer County		Casing not cemented
Mineral				No coal recorded
Commenced	July 27, 1943			
Completed	Sept. 7, 1943			
Date shot	9-8-43	Depth 1937 to 1951 with 60 qts.		
Open flow	36/10ths W in 1" FM			
Volume	45,178 C.F.			
Fresh Water	None Recorded			
Salt Water	900'; 1085'			

Clay	0	14
Red Rock	14	30
Sand	30	65
Slate	65	82
Gray Slate	82	110
Sand	110	140
Slate	140	220
Red Rock	220	226
Slate	226	300
Slate Shell	300	410
Lime	410	415
Red Rock	415	420
Slate	420	425
Lime	425	435
Slate	435	445
Red Rock	445	530
Slate	530	535
Red Rock	535	590
Red Rock	590	600
Slate	600	625
Red Rock	625	720
Sand	720	740
Slate	740	750
Black Slate	750	765
Gray Slate	765	830
Little Dunkard	830	864
Red Rock	864	868
Big Dunkard	868	977
Black Slate	977	1005
Gas Sand	1005	1075
Slate	1075	1080
Sand	1080	1195
Slate	1195	1271
Slate	1271	1274
First Salt Sand	1274	1315
Slate Shell	1315	1560
Second Salt Sand	1560	1577
Slate	1577	1595
Third Salt Sand	1595	1675
Maxon Sand	1675	1745
Slate	1745	1747
Sand	1747	1751
Slate	1751	1760
Little Lime	1760	1790
Slate	1790	1792
Sand	1792	1798
Slate	1798	1805
Big Lime	1805	1880
Big Injun Sand	1880	1953
Slate Shell	1953	2004
TOTAL DEPTH		2004

*Sample study*  
*Base of Gr 1949*  
*991*  

---

*958*

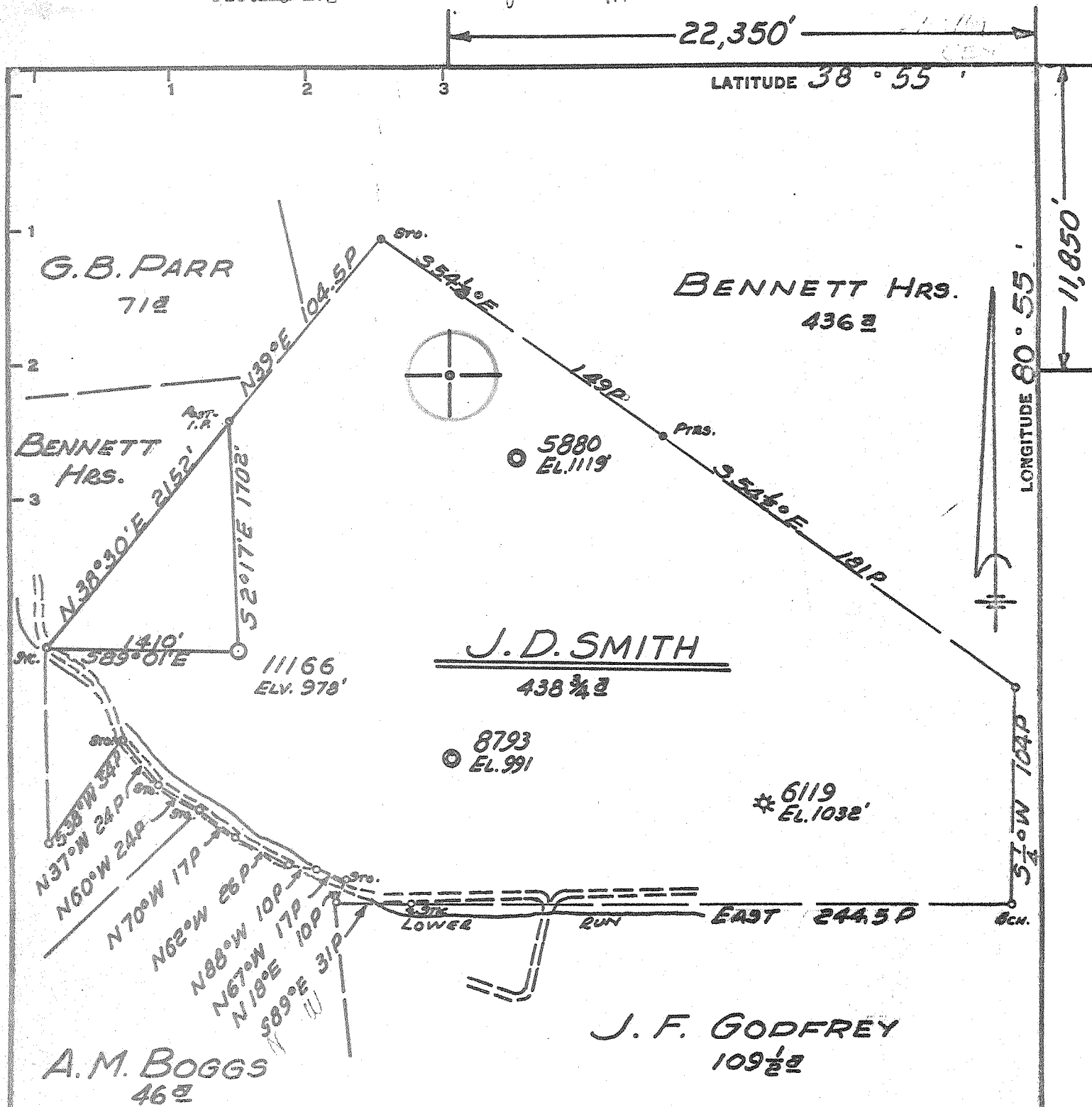
Gas 1637

*1949*  
*1805*  

---

*144*

Gas 1944-1950



S 237  
W 4.32

Minimum Error of Closure 1' IN 200'  
 Source of Elevation LEVELS FROM CONSOLIDATED GAS SUPPLY CORP. WELL 5880 ELV. 1119'  
 "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."

New Location   
 Drill Deeper   
 Abandonment

MAP SHEET 96 538-W23 FB. 1525 Pgs. 25-27

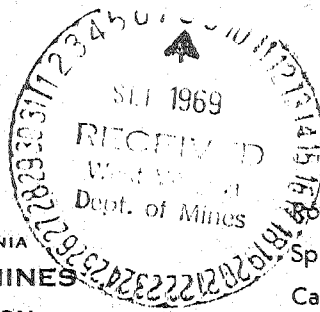
Company CONSOLIDATED GAS SUPPLY CORP.  
 Address CLARKSBURG, W. VA.  
 Farm J. D. SMITH  
 Tract \_\_\_\_\_ Acres 438 3/4 Lease No. 23479  
 Well (Farm) No. \_\_\_\_\_ Serial No. 11166  
 Elevation (Spirit Level) 978'  
 Quadrangle GLENVILLE WC  
 County GILMER District DEKALB  
 Engineer Jackson M. Jorru  
 Engineer's Registration No. 2397  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date MAY 9, 1969 Scale 1" = 60P

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

**WELL LOCATION MAP**  
 FILE NO. Gil-2003

+ 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.

MAY 27 1969



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

- Rotary
- Spudder
- Cable Tools
- Storage

Quadrangle GLENVILLE  
Permit No. GIL-2003

**WELL RECORD**

Oil or Gas Well GAS  
(KIND)

Company Consolidated Gas Supply Corporation  
Address 445 W. Main St., Clarksburg, W. Va.  
Farm J. D. Smith Acres 438 3/4  
Location (waters) \_\_\_\_\_  
Well No. 11166 Elev. 978'  
District DeKalb County Gilmer  
The surface of tract is owned in fee by \_\_\_\_\_  
Address \_\_\_\_\_  
Mineral rights are owned by \_\_\_\_\_  
Address \_\_\_\_\_  
Drilling commenced 6-16-69  
Drilling completed 7-15-69  
Date Shot Not Shot From \_\_\_\_\_ To \_\_\_\_\_  
With \_\_\_\_\_

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			
10	249	249	Size of
8 1/4	917	917	
6 5/8			Depth set
5 3/16			
4 1/2	2064	2064	
3			Perf. top <u>1973</u>
2			Perf. bottom <u>1983</u>
Liners Used			Perf. top _____ Perf. bottom _____

Open Flow 1/10ths Water in \_\_\_\_\_ Inch  
1/10ths Merc. in \_\_\_\_\_ Inch  
Volume 28 M. Natural Cu. Ft.  
Rock Pressure 360 lbs. 24 hrs.  
Oil None bbls., 1st 24 hrs.  
WELL ACIDIZED (DETAILS) No. \_\_\_\_\_  
WELL FRACTURED (DETAILS) 7-21-69 with 800 bbl. water, 500 gal. acid, 60,000# sand, & 2500 HHP.

Attach copy of cementing record.  
CASING CEMENTED \_\_\_\_\_ SIZE \_\_\_\_\_ No. Ft. \_\_\_\_\_ Date \_\_\_\_\_  
Amount of cement used (bags) 4 1/2" w/100 bags--Dowell  
Name of Service Co. Dowell  
COAL WAS ENCOUNTERED AT None FEET \_\_\_\_\_ INCHES  
\_\_\_\_\_ FEET \_\_\_\_\_ INCHES  
\_\_\_\_\_ FEET \_\_\_\_\_ INCHES

RESULT AFTER TREATMENT (Initial open Flow or bbls.) 1,100,000 cu. ft. 1,100 MCFGPD  
ROCK PRESSURE AFTER TREATMENT 365# ~~X HOURS~~ 14 days  
Fresh Water None Feet \_\_\_\_\_ Salt Water None Feet \_\_\_\_\_  
Producing Sand Injun Depth 1908-1985

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Lime & Slate			0	880	No Water		
Big Dunkard			880	1020			
Slate & Sand			1020	1110			
Gas Sand			1110	1185			
Slate			1185	1205			
1st Salt			1205	1255			
Lime & Slate			1255	1510			
3rd Salt			1510	1590			
Maxton			1590	1775			
Slate			1775	1785			
Little Lime			1785	1812			
Slate			1812	1825			
Big Lime			1825	1885		Gas 1860	Show
Big Injun			1885	1987	Gas 1970-85		
TD				2065			

Consolidated Gas Supply Corporation  
445 W. Main St., Clarksburg, W. Va.  
September 4, 1969



# HOPE NATURAL GAS COMPANY

LOCATION FOR WELL No. 5585

Instructions 11

Cahoon DISTRICT

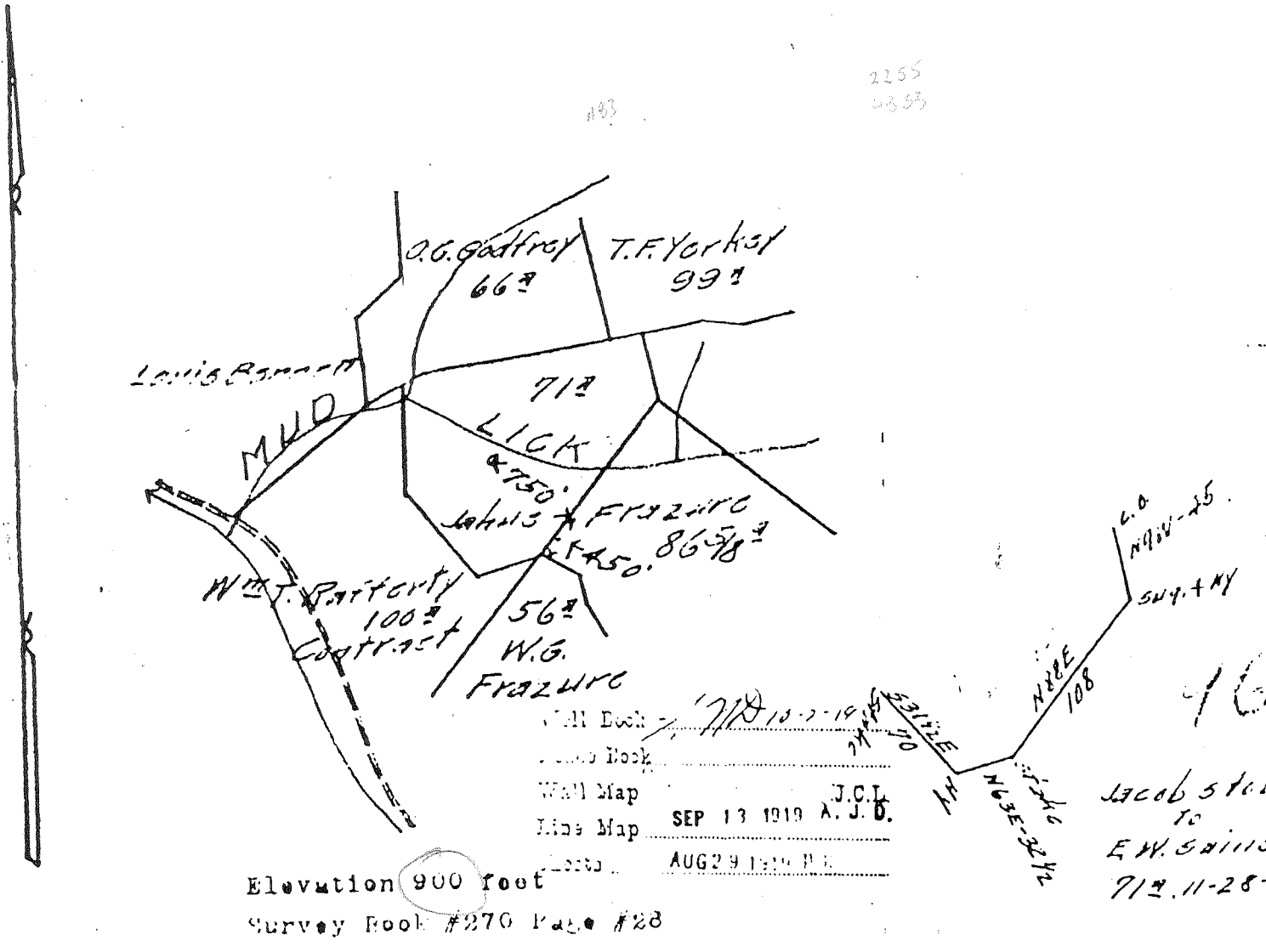
On Oari Bennett Farm, on waters of Mad Lick Run  
County, West Virginia.

Lease No. \_\_\_\_\_ Acres \_\_\_\_\_ N. \_\_\_\_\_ S. \_\_\_\_\_ E. \_\_\_\_\_ W. \_\_\_\_\_

Scale one inch equals \_\_\_\_\_ Location made in Pittsburgh \_\_\_\_\_ Sent to Clarksburg \_\_\_\_\_

Location to be \_\_\_\_\_

API - 021 - 3063



TITLE \_\_\_\_\_ RESERVE \_\_\_\_\_

SPECIAL INSTRUCTIONS: COMPLETE WELL ON OR BEFORE March 15, 1920

Same Lease on which Located Well No. \_\_\_\_\_

Location Made July 23, 1919 by Harvey B. Lowther, As per plat, except as noted. On field map

July 29, 1919. Returned to Pittsburgh July 29, 1919.

Location changed on account of \_\_\_\_\_

Authorized by \_\_\_\_\_ Date \_\_\_\_\_ Signed S. H. Bradley  
By - Talley,

Well No. 5585 Located on Bennett Culhoun District  
 District DeKalb County Gilmer State W. Va. Farm  
 Location Made 7-23-19 First Work Done 7-31-19  
 Rig Commenced 9-21-19 Rig Completed 9-28-19  
 Drilling Commenced 1-19-20 Drilling Completed 3-11-20  
 Rig Contractor H. N. G. Co. { Drilling Contractor } H. N. G. Co., Stg. 353  
 Drillers D. W. Wilson, A. Brown Wilson and Ben Overton  
 Tool Dressers P. C. Baybuck and H. G. McCartney

FORMATION	Open or Close Hard or Soft	TOP	BOTTOM	Steel Line Measurements	Water Found Depth	Oil Found Depth	Gas Found Depth	REMARKS
Native Coal	soft	260	264					
Sand		290	320		300			Fresh Water
Pittsburgh Coal		690	710					
Little Dunkard		805	900	818-7				
Big Dunkard		985	1155					
Gas Sand		1200	1240					
First Salt		1500	1560					
Second Salt		1575	1615	1530	1530			Salt water
Sand	hard	1625	1720	1610				
Maxon		1720	1745	1696		1696		
Little Lime	hard	1745	1760					
Pencil Cave		1760	1840					
Big Lime		1840	1914	1885			1885 to 1895	
Big Injun								
Squaw								
Berea								
Gantz								
Fifty Feet								
Thirty Feet								
Gordon Stray								
Gordon								
Fourth								
Fifth								
Hayard								
Total Depth		1930						

SIZE	Charged to Well		Put in Well		Pulled Out		Left in Well		Transferred Before Completing		Left at Well Not in Use		If more than two strings of casing are left in hole, give reasons for leaving additional strings
	Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet	In.	
Conductor			10										
13" Csg.													
10" "	166	3	145		145						166	3	
8 1/2" "	1081	6	818	7			822	2	103	11	165	5	
6 1/2" "													
5 1/2" "	2159	2	1790	9			1799	3	265	5	94	6	
2" Tbg.	2452	8	1936				1936				516	8	
					Parf. set	1901		Packer set	1861	3			

PACKER RECORD

SIZE	KIND	Amount Anchor	Amount Above Anchor	REMARKS
8 1/2"	Shoe		818-7	
5 1/2"	Shoe		1790-9	
5 1/2" x 2"	Anchor	88-7	1861-3	

SHOOTING RECORD (If shot before or upon completion of well)

DATE	Gauges	Top of Shell	Bottom of Shell	Diameter	Sand	TEST BEFORE SHOT			TEST AFTER SHOT			Test Taken After Shot No. Hours	By Whom Shot
						Reading	Liquid	Opening	Reading	Liquid	Opening		
-17-20	20	1885	1897	2-3 1/2"	Injun	94/10	W.	2"	6/10	W.	5 1/2"	3 days	Mar. Tor. Co.
								409 MCF			657 MCF		

CEMENTING RECORD

Date Cemented Not cemented Size Hole Cemented \_\_\_\_\_ Size Casing Cemented \_\_\_\_\_  
 Top Pittsburgh Coal \_\_\_\_\_ Top Cementing \_\_\_\_\_ Amount Cement Used \_\_\_\_\_  
 Bottom Pittsburgh Coal \_\_\_\_\_ Bottom Cementing \_\_\_\_\_ Amount Sand Used \_\_\_\_\_  
 Mr. \_\_\_\_\_ of \_\_\_\_\_ Coal Company on ground when coal was cemented  
 Remarks: \_\_\_\_\_ Signature of persons who cemented well \_\_\_\_\_

NR1-021-3063 Approved by J. W. TAYLOR Foreman

**McCONAUGHEY — SMITH LEASE**

266.75 AC. ± OF 475.75 AC. ±

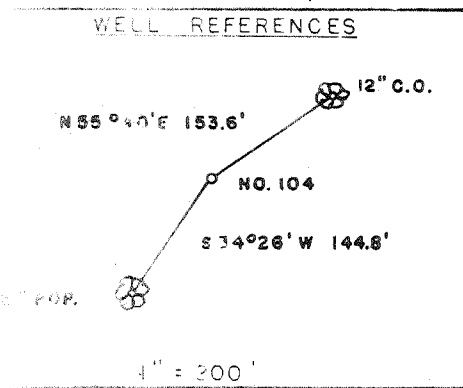
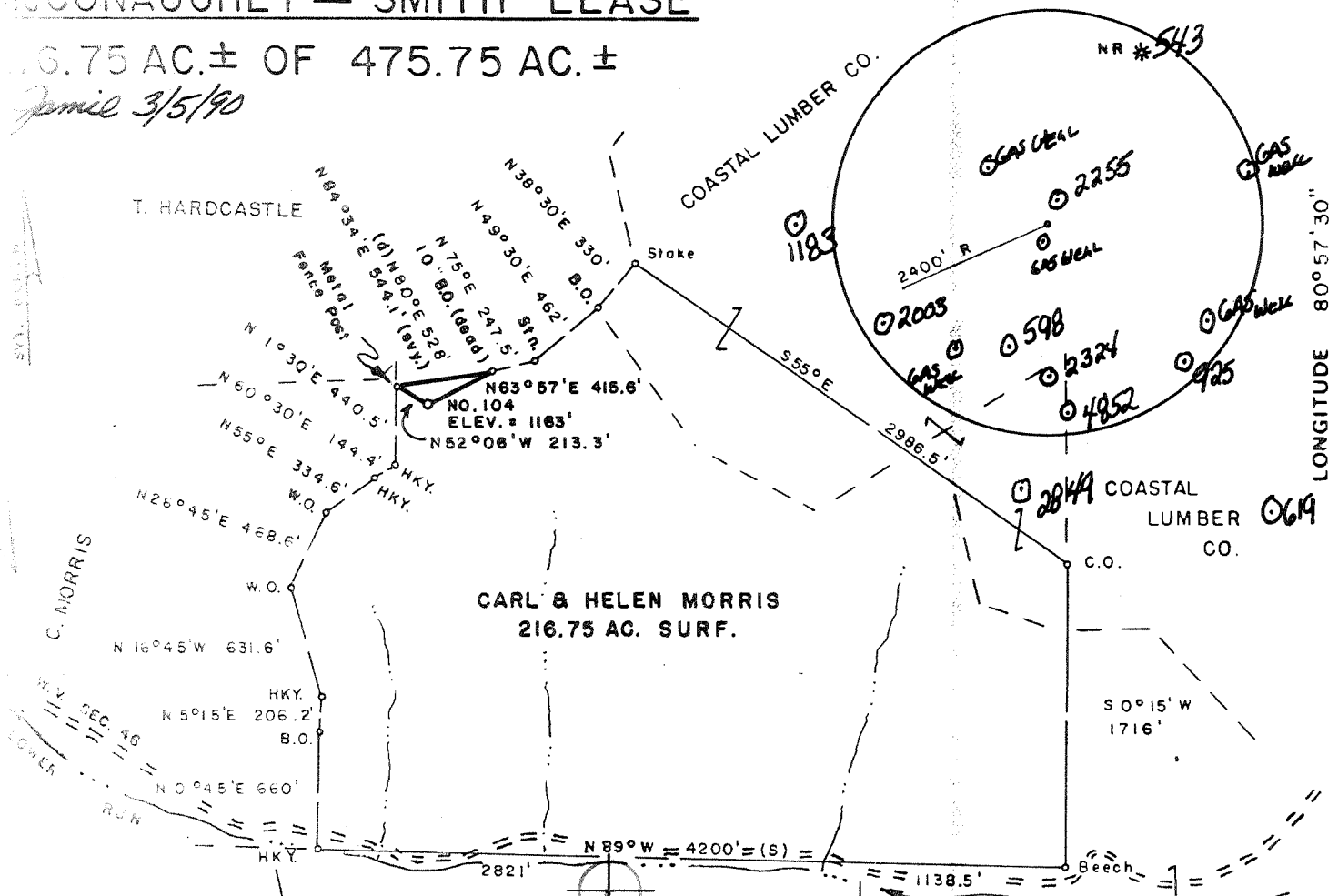
*Janie 3/5/90*

LATITUDE 36°55'00"

8380' W

LONGITUDE 80°57'30"

10,790' S



7.5' series topo. loc. *2.045 7.580*

S. SMITH, et al

C. MORRIS

*2.045 3.81W*

FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 1000'  
 MINIMUM DEGREE OF ACCURACY 1/200  
 PROVEN SOURCE OF ELEVATION TOP OF KNOB 2375' ±  
 DATE OF LOC. ELEV. = 1123'

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.

*Mark C. Echard*  
 (SIGNED) MARK C. ECHARD  
 R.P.E. \_\_\_\_\_ L.L.S. 490



\_\_\_\_\_ DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS  
 USGS 1:50,000  
 1981

DATE DECEMBER 15, 19 89  
 OPERATOR'S WELL NO McConaughey-Smith 104  
 API WELL NO. \_\_\_\_\_  
47 - 021 - 4853  
 STATE COUNTY PERMIT



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

WELL TYPE: OIL \_\_\_ GAS  LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS,") PRODUCTION  STORAGE \_\_\_ DEEP \_\_\_ SHALLOW   
 LOCATION: ELEVATION 1163' WATERSHED LOWER RUN  
 DISTRICT DEKALB COUNTY GILMER  
 QUADRANGLE TANNER 7.5 *Glenville, Wc*  
 SURFACE OWNER CARL & HELEN MORRIS ACREAGE 216.75 of 475.75  
 GAS ROYALTY OWNER CARL & HELEN MORRIS, et al LEASE ACREAGE 216.75 of 475.75  
 LEASE NO. \_\_\_\_\_  
 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 \_\_\_  
 FORMATION BENSON ESTIMATED DEPTH 4500 ±  
 OPERATOR PINNACLE OIL & GAS CORP. DESIGNATED AGENT MR. TOM R. RAGSDALE  
 P.O. BOX 8538 ADDRESS P.O. BOX 8538  
SOUTH CHARLESTON, W.VA. 25303 SOUTH CHARLESTON, W.VA. 25303

*6-6 Stumptown - Normantown - Shock (180) MAR 19 1990*



44-35  
**RECEIVED**  
 JAN 08 A.M.  
 DEPT. OF ENERGY

08-Mar-90  
 API # 47- 21-04853

State of West Virginia  
 DEPARTMENT OF ENERGY  
 Division of Oil and Gas

Reviewed TMG  
 Recorded \_\_\_\_\_

Well Operator's Report of Well Work

Farm name: MORRIS, CARL R. Operator Well No.: McCONAUGHEY#104

LOCATION: Elevation: 1163.00 Quadrangle: TANNER

District: DEKALB County: GILMER  
 Latitude: 10790 Feet South of 38 Deg. 55Min. 0 Sec.  
 Longitude 8380 Feet West of 80 Deg. 57 Min. 30 Sec.

Company: PINNACLE OIL & GAS CORP.  
 P.O. BOX 8538  
 SO. CHARLESTON, WV 25303-8538

Size	Used in & Drilling	Left in Well	Cement Fill Cu. Ft.
9 5/8"	368	368	To Surface
4 1/2"	4387	4387	
2 3/8"	4280	4280	

Agent:  
 Inspector: CRAIG DUCKWORTH  
 Permit Issued: 03/13/90  
 Well work Commenced: 03/27/90  
 Well work Completed: 04/01/90  
 Verbal Plugging \_\_\_\_\_  
 Permission granted on: \_\_\_\_\_  
 Rotary  Cable \_\_\_\_\_ Rig \_\_\_\_\_  
 Total Depth (feet) 4505  
 Fresh water depths (ft) 100  
 Salt water depths (ft) none  
 Is coal being mined in area (Y/N)?  x  
 Coal Depths (ft): none

**RECEIVED**  
 JAN 21 92

Division of Energy  
 Oil and Gas Section

OPEN FLOW DATA

Producing formation Devonian Shale Pay zone depth (ft) 4298  
 Gas: Initial open flow show MCF/d Oil: Initial open flow show Bbl  
 Final open flow 391 MCF/d Final open flow show Bbl  
 Time of open flow between initial and final tests 8 Hou  
 Static rock Pressure 670 psig (surface pressure) after 72 Hou

Second producing formation \_\_\_\_\_ Pay zone depth (ft) \_\_\_\_\_  
 Gas: Initial open flow \_\_\_\_\_ MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl  
 Final open flow \_\_\_\_\_ MCF/d Final open flow \_\_\_\_\_ Bbl  
 Time of open flow between initial and final tests \_\_\_\_\_ Hou  
 Static rock Pressure \_\_\_\_\_ psig (surface pressure) after \_\_\_\_\_ Hou

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORAT INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WE LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATION INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

For: PINNACLE OIL & GAS CORP.

By: Tom Ryzdale  
 Date: July 26, 1990

JAN 27 1992

10266

Devonian Shale Fracture 1st Stage

Perforate 4298 - 3640' (22 holes)  
Fracture 924m N<sup>2</sup>, 15% HCL Acid

Devonian Shale Fracture 2nd Stage

Perforate 3496 - 2548' (19 holes)

Sand & Shale	0 - 310
Shale	310 - 440
Sand	440 - 460
Sand & Shale	460 - 1040
Sand	1040 - 1105
Shale	1105 - 1205
Salt Sands	1205 - 1470
Shale	1470 - 1865
Maxton Sand	1865 - 1915
Shale	1915 - 1950
Little Lime	1950 - 1975
Shale	1975 - 1995
Big Lime	1995 - 2048
Big Injun	2048 - 2143
Shale	2143 - 3350
Warren	3350 - 3405
Shale	3405 - 4505
Total Depth 4505	

Base Fracture 1st

2548

3496

424

021 4853  
issued 3/13/90  
expires 3/13/92

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

- 1) Well Operator: Pinnacle Oil & Gas Corporation (2) 633
- 2) Operator's Well Number: McConaughey-Smith #104 3) Elevation: 1163'
- 4) Well type: (a) Oil \_\_\_ / or Gas X /  
(b) If Gas: Production X / Underground Storage \_\_\_ /  
Deep \_\_\_ / Shallow X /
- 5) Proposed Target Formation(s): Riley-Benson
- 6) Proposed Total Depth: 4500 feet
- 7) Approximate fresh water strata depths: 175' , 236'
- 8) Approximate salt water depths: 1072' , 1257' 1500'
- 9) Approximate coal seam depths: 0 OK
- 10) Does land contain coal seams tributary to active mine? Yes \_\_\_ / No X /
- 11) Proposed Well Work: Drill & Stimulate *New Well*
- 12)

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Conductor	9 5/8"	LS	33#	350'	350'	300 SPT-11.3 To surface
Fresh Water						
Coal						300 SPT-11.2.2
Intermediate	7"	J-55	20#	2250	2250	100 sks
Production	4 1/2"	J-55	11.6#	4750	4750	250 sks
Tubing						300 SPT-11.1
Liners						

**RECEIVED**  
FEB 28 1990

PACKERS : Kind \_\_\_\_\_  
Sizes \_\_\_\_\_  
Depths set \_\_\_\_\_

For Division of Oil and Gas Use Only DEPARTMENT OF ENERGY

62  
 Fee(s) paid:  Well Work Permit  Reclamation Fund  WPCP  
 Plat  WW-9  WW-2B  Bond *Blanket letter*  Agent

**RECEIVED**  
FEB 28 1990

1) Date: December 27, 1989  
2) Operator's well number  
#104  
3) API Well No: 47 - 021 - 4853  
State - County - Permit

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

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

- 4) Surface Owner(s) to be served:
- (a) Name Carl R. Morris  
Address General Delivery  
Grantsville, WV 26147
  - (b) Name \_\_\_\_\_  
Address \_\_\_\_\_
  - (c) Name \_\_\_\_\_  
Address \_\_\_\_\_
- 5) (a) Coal Operator:  
Name Unoperated  
Address \_\_\_\_\_
- (b) Coal Owner(s) with Declaration  
Name Unknown  
Address \_\_\_\_\_
- Name \_\_\_\_\_  
Address \_\_\_\_\_
- (c) Coal Lessee with Declaration  
Name Unknown  
Address \_\_\_\_\_
- 6) Inspector Craig Duckworth  
Address Box 107, Davisson Route  
Gassaway, WV 26624  
Telephone (304)-364-5942

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

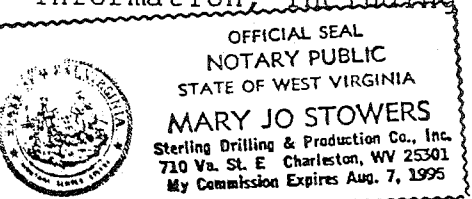
\_\_\_\_\_ Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas OR  
x Included is the information required by Chapter 22B, Article 1, Section 8(d) of the Code of West Virginia (see page 2)

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 \_\_\_\_\_ 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 Pinnacle Oil & Gas Corporation  
By: Tom R. [Signature]  
Its: Designated Agent  
Address P.O. Box 8538  
South Charleston, WV 25303  
Telephone (304, 342-0121)

Subscribed and sworn before me this 27th day of December, 1989

Mary Jo Stowers Notary Public  
My commission expires August 7, 1995