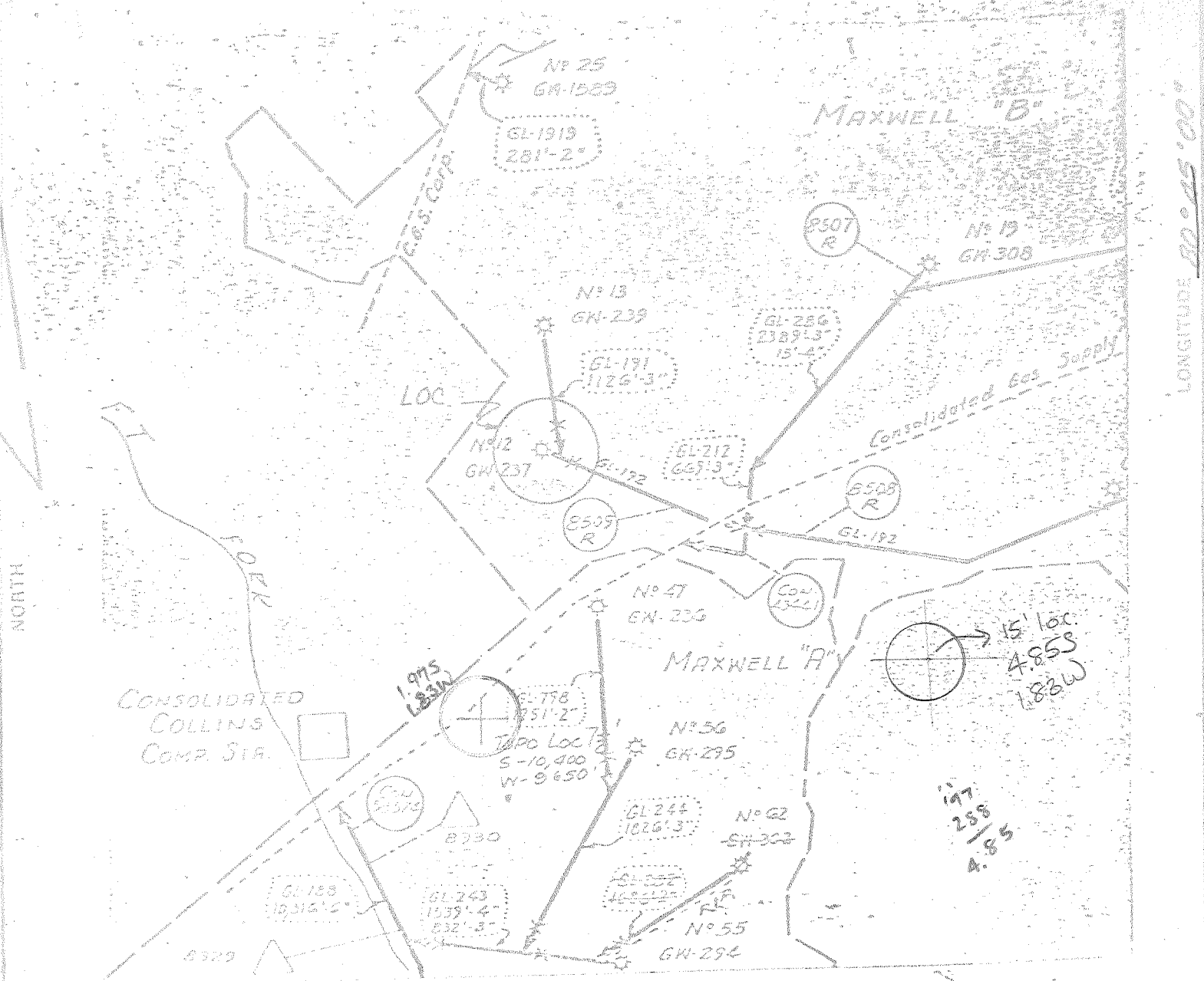


LATITUDE 39° 17' 30"  
 39° 20' - 5"



FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 1320'  
 MINIMUM DEGREE OF ACCURACY \_\_\_\_\_  
 PROVEN SOURCE OF ELEVATION \_\_\_\_\_

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) Donald J. Day  
 R.P.E. \_\_\_\_\_ L.L.S. 247

PLACE SEAL HERE

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



DATE MAR 26 19 80  
 OPERATOR'S WELL NO. GW237/B-12  
 API WELL NO. \_\_\_\_\_  
47 - 017 - 2145  
 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 1175' WATER SHED LT. FK OF ARNOLDS CK. F. BLUESTONE CK.  
 DISTRICT WEST UNION COUNTY DODDRIDGE  
 QUADRANGLE WEST UNION 7 1/2 West Union SE  
 SURFACE OWNER \_\_\_\_\_ ACREAGE \_\_\_\_\_  
 OIL & GAS ROYALTY OWNER MAXWELL 'A' LEASE ACREAGE \_\_\_\_\_  
 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) \_\_\_\_\_  
F.E.R.C. FILING

PLUG AND ABANDON \_\_\_\_\_ CLEAN OUT AND REPLUG \_\_\_\_\_  
 TARGET FORMATION \_\_\_\_\_ ESTIMATED DEPTH \_\_\_\_\_  
 WELL OPERATOR CITIES SERVICE CO. DESIGNATED AGENT SAUL J. MATTHEWS  
 ADDRESS PO BX 873 ADDRESS PO BX 873  
CHARLESTON WV 25323 CHARLESTON WV 25323

CODE No. G. W. 237

NAME Lewis Maxwell Well #12-E

WEST UNION - T - SE

CASING AND TUBING

PACKERS

GAS, WATER AND OIL RECORD

SIZE	PUT IN WELL	PULLED	CASING FT.	SIZE	MAKE	SET AT	LIQUID OR GAS	DEPTH	FT. RAISED IN HOLE	VOLUME
Conductor box			13'	2"x7"	SET 100 FEET DOWN	1897	Gas SAND	1215-1305		Doddridge C
10"	225' 4"	225' 4"					WATER	297	EDGE TO DRILL WF	21
8 1/2"	991						LITTLE GAS	1682		yo
6 3/8"	1854' 9"						Gas	1790		
							Gas	1838 & 1903		
							Gas	1913 to 1920		
							Gas	1937		
							Gas	1988 to 1990		2,000,000

2" (W.F.P.R.) pulled when reconditioned  
 2-3/8" 2018'3" with 2"x7" Parmaco Spec. Gas Anchor packer  
 ran when reconditioned

RECORD OF SHOT

DATE SHOT	FROM	TO	SAND	TYPE OF EXPLOSIVE	QUANTITY	PRODUCTION BEFORE SHOT	PRODUCTION AFTER SHOT
							Not shot

YEAR DEPLETION CALCULATION GRAPHIC FROM TO THICKNESS FORMATION

YEAR	DEPLETION CALCULATION	GRAPHIC	FROM	TO	THICKNESS	FORMATION
	Redond. 7-10-57 to 7-26-57	LOG				
	Had 38' of cavings in hole and 300' of water. Gas gauged 29,800 cu. ft - 50# pressure 14 hours. Pulled 2007' of 2-3/8" tubing		Conductor box		00	13
	Total depth 2000' - Ran Birdwell Survey Big Lime 1829-1900'		Lime		13	60
	Injun sand 1900-1997'		Sand		60	100
	Gas 1936' and 1994'		Slate		100	120
	Set packer at 1885' 7-19-57. Pumped in 20, bbls oil. Held O.K. at 1250#. Gelled 2,000 gallons kerosene pumped in with 3,000# sand. Maximum pressure 1400#. Flushed at 1600#.		Lime		120	140
	Before fracturing gas gauged 29,800 cu ft		Red Rock		140	170
	7-26-57 tubed with with 2" tubing.		Sand		170	200
	Final open flow 15/10 W. 2" 94MCF - 1 hour pickup 24#.		Red Rock		200	225
			Coal		225	230
			Slate		230	250
			Lime		250	275
			Slate		275	305
			Red Rock		305	345
			Sand		345	415
			Lime		415	615
			Red Rock		615	635
			Lime		615	655
			Slate		655	725
			Lime		725	780
			Little Dunkard Sand		780	810
			Slate		810	845
			Red Rock		945	890
			Lime		890	910
			Slate		910	950
			Lime		950	975
			Lime		975	1025
			Slate		1025	1065
			Big Dunkard Sand		1065	1160
			Lime		1160	1215
			Gas		1215	1305
			Lime		1305	1350
			Slate		1350	1415
			1st. Salt Sand		1415	1510
			Lime		1510	1615
			2nd. Salt Sand		1615	1640
			Slate		1640	1670
			Little gas		1682	
			3rd. Salt Sand		1670	1715
			Lime		1715	1760
			Maxon Sand		1760	1793
			Slate		1793	1795
			Little Lime		1795	1820
			Pencil Cave		1820	1823
			Big Lime		1823	1870
			Big Injun Sand		1870	2290
			Total depth		1997'	

CD# DE NO. **C. W. 237** NAME **Lowie Maxwell well # 12-E.** LEASE NO. **C-32-E.** DISTRICT **Smithburg** 2-DL-2 N. 289.90 E. 322.52

WATERS **Doddridge** CONTRACTED **July 4, 1923** COMPLETED **Aug. 3, 1923** YEARS **January**

DATE SPUNDED **July 4, 1923** DATE SHUT IN **February**

DATE **12-15-35** LINE **7** PRES. **20** 28 36 40 46 52 56

RIG **Contractor - F. S. Greenhouse** I. R. NO. **C.P. 4108.50**

DATE **6-25-36** LINE **7** PRES. **16** 24 30 34 38 42 47 50

DRILLERS **Contractor - F. S. Greenhouse**

DATE **6-15-37** LINE **8** PRES. **16** 22 28 32 34 38 42 48

W. O. NO. **8492.35** COST COMPLETE **4.25**

DATE **6-1-38** LINE **8** PRES. **14** 18 24 28 30 32 36 40

COST PER FOOT **4.25** DATE CONNECTED **April**

DATE **6-1-39** LINE **6** PRES. **14** 20 26 30 32 36 40 46

DATE PULGED **1923** DATE AB'D. **May**

DATE **6-1-40** LINE **6** PRES. **10** 14 18 22 24 26 30 34

TOTAL DEPTH **1123'** HOW OBTAINED **October**

DATE **6-1-41** LINE **5** PRES. **8** 12 16 20 24 26 30 34

G. H. ELEVATION **1123'** PRODUCING SAND - **Big Injun.** Total on line

DATE **6-1-42** LINE **6** PRES. **6** 10 14 18 22 24 26 30 34

VOLUME AND PRESSURE TESTS

DATE **6-1-43** LINE **6** PRES. **12** 16 20 24 26 30 34 38

DATE **6-30-24** LINE **16** PRES. **200** 207 218

DATE **6-1-44** LINE **6** PRES. **10** 14 18 22 24 26 30 34

DATE **6-30-25** LINE **13** PRES. **149** 152 160

DATE **6-1-45** LINE **6** PRES. **10** 14 18 22 24 26 30 34

DATE **6-1-26** LINE **13** PRES. **105** 115 121 125 24

DATE **6-1-46** LINE **7** PRES. **8** 12 16 20 24 26 30 34

DATE **6-30-27** LINE **10** PRES. **95** 105 111 114

DATE **6-1-47** LINE **7** PRES. **10** 14 18 22 24 26 30 34

DATE **6-30-28** LINE **10** PRES. **70** 79 87

DATE **6-1-48** LINE **7** PRES. **10** 14 18 22 24 26 30 34

DATE **6-30-29** LINE **7** PRES. **59** 69 77

DATE **6-1-49** LINE **5** PRES. **5** 9 13 18 20 21 31 35

DATE	LINE	PRES.	1	2	3	4	5	10	30	60	TIME SHUT IN	ROCK	VOLUME	SAND	REMARKS
6-1-50	5	5	9	13	18	20	21	31	35				57.760		
6-1-51	7	5	8	12	17	21	23	34	37				55.760		
6-1-52	5	5	8	11	17	21	23	34	37				55.760		
6-1-53	5	5	8	11	17	21	23	34	37				55.760		
6-1-54	5	5	8	11	17	21	23	34	37				55.760		
6-1-55	5	5	8	11	17	21	23	34	37				55.760		
6-1-56	5	5	8	11	17	21	23	34	37				55.760		
6-1-57	5	5	8	11	17	21	23	34	37				55.760		
6-1-58	5	5	8	11	17	21	23	34	37				55.760		
6-1-59	5	5	8	11	17	21	23	34	37				55.760		
6-1-60	5	5	8	11	17	21	23	34	37				55.760		

RECORD OF LEWIS, MAXWELL, WELL NO 12  
 WELL WAS DRILLED BY THE COLUMBIAN CARBON CO. OF WILLIAMSPORT, PA.  
 CONTRACTOR P.S. GREATHOUSE, OF WESTON, WEST VIRGINIA.  
 DRILLING COMMENCED JULY 4/1923 FINISHED AUG 3/1923

RECORD KEPT OF ALL FORMATIONS TOP AND BOTTOM AND THICKNESS			
	TOP	BOTTOM	THICKNESS
Conductor Box	25	13	13 Feet
Lime white & Hard	13	60	47 "
Sand white & Hard	60	100	40 "
Slate White	100	120	20 "
Lime White	120	140	20 "
Red Rock Soft	140	170	30 "
Sand White & Hard	170	200	30 "
Red Rock	200	225	25 "
Coal Black & Soft	225	230	5 "
Slate White	230	250	20 "
Lime White Hard	250	275	25 "
Slate White	275	305	30 "
Red Rock	305	345	40 "
Sand White	345	415	70 "
Lime White & Hard	415	615	200 "
Red Rock Soft	615	635	20 "
Lime White & Hard	635	655	20 "
Slate	655	725	70 "
Lime White	725	780	65 "
Little Dunkard Sand	780	810	30 "
Slate White	810	845	35 "
Red Rock	845	890	45 "
Lime White & Hard	890	910	20 "
Slate	910	950	40 "
Lime White & Hard	950	975	25 "
Lime " " "	975	1025	50 "
Slate Black & Soft	1025	1065	35 "
Big Dunkard Sand	1065	1160	95 "
Lime White & Hard	1160	1215	55 "
Gas Sand	1215	1305	90 "
Lime White & Hard	1305	1350	45 "
Slate Black & Soft	1350	1415	65 "
1st Salt Sand	1415	1510	95 "
Lime White & Hard	1510	1615	105 "
2nd Salt Sand	1615	1640	25 "
Slate Black & Soft	1640	1670	30 "
3rd Salt Sand	1670	1715	45 "
Lime White & Hard	1715	1760	45 "
Maxon Sand Hard	1760	1793	33 "
Slate	1793	1795	2 "
Little Lime	1795	1820	25 "
Pencil Cave	1820	1823	3 "
Big Lime	1823	1870	68 "
Big Injun Sand	1870	1990	120 "
TOTAL DEPTH	1997		

Waterat 397  
 Enough to  
 Drill with

Little Gas 1682  
 Little Gas 17  
 Gas 1838  
 " 1903  
 Gas 1913 TO 19  
 " 1937  
 GAS 1988 To 199

Well was tubed with 2" Tubing Packer Set At 100 Feet From Bottom  
 Casing Put In Well 10" 225.4" - 8 1/2" - 991 Feet . 6 5/8 - 1854- 9"  
 10" Casig Pulled Out 225 - 4"  
 DRILLERS ON WELL WES W.E. PLANNIGAN, OF WESTON, W. V.  
 O. L. PRATT, " " " "  
 TOOLDRESSERS D.R. BEACHOLAR, " " " "  
 HENRY, FLESHER, " " " "

RE RECORD COPIED FROM ORIGINAL WELL RECORD BY P.S. GREATHOUSE.

017-2145