



- NEW LOCATION
- RECONDITION
- DRILL DEEPER
- ABANDONMENT *Issued 4/19/74*

"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."
 Minimum degree of accuracy is one part in 200

Signed *Donald J. Bay, L.L.S. #217*

COMPANY CITIES SERVICE OIL COMPANY
 ADDRESS BOX 873 CHARLESTON, W. VA.
 FARM LEWIS MAXWELL
 MAP _____ ACRES 1562 LEASE NO. WV-431
 WELL (FARM) NO. B-7 SERIAL NO. GW-40
 ELEVATION (SPIRIT LEVEL) 923'
 QUADRANGLE WEST UNION - 7 1/2' & 15' SE
 COUNTY DODDRIDGE DISTRICT WEST UNION
 POINT OF PROVEN ELEVATION USGS 1214
 FILE NO. _____ DRAWING NO. W-3-74
 DATE APRIL 16, 1974 SCALE 1"=1320'

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON
WELL LOCATION MAP
 FILE NO. Dodd-1254-A
 + DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS. SCALE 1 TO 24,000 LATITUDE AND LONGITUDE LINES BEING REPRESENTED BY BORDER LINES AS SHOWN. 47-017
 -- DENOTES ONE INCH SPACES ON BORDER LINE OF ORIGINAL TRACING

CODE NO. G. W. 40

NAME Lewis Maxwell Well #7-E

WEST UNION - T.S.P.

CASING AND TUBING

PACKERS

GAS, WATER AND OIL RECORD

SIZE	PUT IN WELL	PULLED	CASING PT.	SIZE	MAKE	SET AT	LIQUID OR GAS	DEPTH IN FEET	VOLUME
Conductor			12'		NO RECORD		Gas	920	
10"	165						Gas	1836	
8 1/2"	847						Oil	2429-32	
6 5/8"	1690								

when rec. 1-27-59 ran 135'11" of 3-1/2" anchor. Set Parmaco Special Gas Anchor packer at 1744' Ran 1875'6" of 2-3/8" tubing.

5/2" -- 1747' -- pulled
 2 3/8" -- 1886' --
 3 1/2" -- 125'11" -- 2" cap hole plug on top

Doddridge Co.
 1254A
 V.P.E. log

RECORD OF SHOT

DATE SHOT	FROM	TO	SAND	TYPE OF EXPLOSIVE	QUANTITY	PRODUCTION BEFORE SHOT	PRODUCTION AFTER SHOT
9/17	2443		Gordon	G/y.	20		

YEAR	DEPLETION CALCULATION	GRAPHIC	FROM	TO	THICKNESS	FORMATION
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Record 1-4-52 to 1-17-52

Making too much water kicked out 168'6" 5 1/2" od line - Top of line now 1748'6" Big Lime 1690' to 1754'. Set 5 1/2" od 7" Washwall packer at 1731' (41' in B. G.). Pulled approx 2432' 25" th. Ran 1747' 5 1/2" od cas. and 1 hookwall packer 5 1/2" x 7". Made approx 3' gal oil one month - Making no water. Will be when needed instead of pump.

14/10/51 - 42.160 cu ft
 1/2" x 4"

100'	Conductor	12	
165'	10" Casing	165	
320'	Pittsburg Coal	320	
747'	Little Dunkard Sand	747	760
847'	Big Sunkard	847	865
847'	8 1/2" Casing	847	
920'	Gas Sand	920	960
1035'	1st. Salt Sand	1035	1090
1295'	2nd. Salt Sand	1295	1325
1500'	Maxon Sand	1500	1525
1580'	Little Lime	1580	1600
1600'	Pencil Cave	1600	1620
1620'	Blue Monday	1620	1690
1690'	Big Lime	1690	1754
1690'	6 5/8" Casing	1690	
1754'	Big Injun Sand	1754	1844
1836'	Gas	1836	
1930'	Gants Sand	1930	2060
2400'	Stray	2400	2419
2429'	Gordon Sand	2429	2438
2429'	Oil	2429	2432

Reconditioned 8-25 to 10-24-58
 7" casing had holes in it - squeezed 4 times with 401 sacks Cement and 55 sacks Gel.

10-3-58 Ran Birdwell Survey:
 bottom of 7" 1647'

Big Lime 1680-1770'
 Big Injun 1770-1830'
 Gas show 1824'

Gas gauged 21 MCF with Injun & Gordon open

Total depth 2461'

Well packed above gas in Injun.

Perforated pipe at Gordon Sand.

10-4-58 filled to 1828'

10-6-58 Ran Baker RT 8 open hole packer on 3" tubing. Set packer at 1780' - gas gauging 18 MCF.

10-7-58 18 hr. pressure 115#. pumped in 1 bbl. crude oil - 300 gal. MCA. filled rest of tubing with water. Pumped in water and tergitol to break down. Max. press. 1900# broke to 1700#. shut down 5 minutes to let acid soak. Started water and tergitol with 1 1/2# sand/gal. Started at 2100# pressure - went to 2400#. Max. pumping time for 4,000 gal water 14 minutes. Inj. rate 7.1 bbls/min. Started flush water at 2400#. Pumped in 3000 bbls. in 4 minutes - inj. rate 7-1/2 bbl. per minute. Final pumping pressure 2200# used 3,000# 20-40 sand - tailed in with 400# 10-30 sand. Used 75 gal. tergitol - after 10 minutes 1450#.

10-20 bailed 150' of water and foam. Drilled pocket to 1886' - 1 hour pickup 9#

10-21 cleaned out to 1891'

10-22-58 Ran 2" tubig - 3" anchor and anchor packer with bull plug and cage on bottom.

left well open - gas gauging 10 MCF

10-12-59 to 1-27-59

Had previously been fractured - no results. Tank half full of fluid. Gas est. 8 Mcf - 21 hour p 121#.

1-19-59 Hole filled back to 1830' Ran 3" tubi with Baker RT 8 packer set at 1789' - show only - 5 bailers water in 16 hours. 21 hour p 121#. Fractured 1-20-59 - used 1 bbl. crude gal MCA - waited 10 minutes. Pumped in 26 bb water with 1% Tergitol to break - pressure 24

Pumped 8,000 gallons water with 1% Tergito started sand 3/4# per gallon. Pressure 2400

Increased sand to 1#/gal. Flushed with 32 bb water and 1% Tergitol. Used 8,000# 20-40 sa

Breakdown 4 minutes 2400#. Inj. rate 273 gpr

Treatment 25 minutes 2450# - maximum inj. 3 gpm. Flushed in 4 minutes 2450# pressure. Injection rate 336 gpm. Used 100 Tergitol (50 gal. TMN and 50 gallons 08). At

of shut in period - 10 minutes - 1300#.

1-27-59 Ran 2" tubing with 3" acnor - 3" x 7" Parmaco Anchor packer. Set packer at 1744' 135'11" anchor perforated. Ran cage, bull pl 1 perf. joint of 2" below packer.

Final open flow 14,900 cu. ft. - 15 hours 130

Total depth 1884'

CODE NO. G. W. 40

NAME Lewis Maxwell Well #7-E

WEST UNION - 7 SE

CASING AND TUBING

PACKERS

GAS, WATER AND OIL RECORD

SIZE	PUT IN WELL	PULLED	CASING PT.	SIZE	MAKE	SET AT	LIQUID OR GAS	DEPTH	FT. RAISED IN HOLE	VOLUME
Conductor			12'				Gas SAND	920		
10"	165						Gas	1836		
8 1/2"	847						Oil	2429-32		
6 5/8"	1690									

Doddridge Co. 1254A yep E log

5 1/2" x 7" Parma packer 1731'
 when rec. 1-27-59 ran 135' 11" of 3-1/2" anchor.
 Set Parmaco Special Gas Anchor packer at 1744'
 Ran 1875' 6" of 2-3/8" tubing.
~~2 1/2" x 4" - 1886' - 1" of Parma gas anchor packer 2' x 1'~~
~~3 1/2" x 4" - 1886' - 2" cap & hole plug on top~~

RECORD OF SHOT

LATE SHOT	FROM	TO	SAND	TYPE OF EXPLOSIVE	QUANTITY	PRODUCTION BEFORE SHOT	PRODUCTION AFTER SHOT
<i>Not shot</i>							
017	2443		Gordon	Gly.	20		

YEAR	DEPLETION CALCULATION	GRAPHIC	FROM	TO	THICKNESS	FORMATION
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Record 1-4-52 to 1-11-50

*Making too much water. Sealed
 out 1686' 5 1/2' od lines - Top of
 lines now 1748' Big Line
 1690 to 1754. Set 5 1/2" od 7'
 Hookwall packed at 1731'
 (41' in B. Lt. Pulled approx
 2432' 2" th. Ran 1747'
 5 1/2" od cas and 1 hookwall
 packer 5 1/2" x 7". Made approx
 3 gal oil one month - Making
 no water still but when
 needed instead of pump.
 16/10 w/ 42.160 cu ft
 1st 44'*

LOG		
100'	Conductor	12
165'	10" Casing	165
325'	Pittsburg Coal	325
747'	Little Dunkard Sand	747
847'	Big Sunkard	847
847'	8 1/2" Casing	847
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1620'	Blue Monday	1620
1690'	Big Line	1690
1690'	6 5/8" Casing	1690
1754'	Big Injun Sand	1754
1836'	Gas	1836
1930'	Gantz Sand	1930
2400'	Stray	2400
2429'	Gordon Sand	2429
2432'	Oil	2432

Reconditioned 8-25 to 10-24-58
 casing had holes in it-squeezed 4 times
 with 401 sacks Cement and 55 sacks Gel.
 0-3-58 Ran Birdwell Survey:
 bottom of 7" 1647'
 Big Lime 1680-1770'
 Big Injun 1770-1830'
 Gas show 1824'
 Gas gauged 21 MCF with Injun & Gordon open

Total depth 2461'
Well packed above gas in Injun.
Perforated pipe at Gordon Sand.

BLM - 2443

0-4-58 filled to 1828'
 0-6-58 Ran Baker RT 8 open hole packer
 on 3" tubing. Set packer at 1780'-gas
 gauging 18 MCF.
 0-7-58 18 hr. pressure 115#. pumped in
 1 bbl. crude oil-300 gal. MCA. filled rest
 of tubing with water. Pumped in water and
 Tergitol to break down. Max. press. 1900#-4000'
 broke to 1700#. shut down 5 minutes to let
 acid soak. Started water and Tergitol with
 1/2# sand/gal. Started at 2100# pressure-went
 to 2400#. Max. pumping time for 4,000 gal
 water 14 minutes. Inj. rate 7.1 bbls/min.
 started flush water at 2400#. Pumped in 30
 bbls. in 4 minutes-inj. rate 7-1/2 bbl.
 per minute. Final pumping pressure 2200#-
 used 3,000# 20-40 sand-tailed in with 400#
 20-30 sand. Used 75 gal. Tergitol-after
 10 minutes 1450#.
 0-20 bailed 150' of water and foam. Drilled
 socket to 1886'-1 hour pickup 9#
 0-21 cleaned out to 1891'
 0-22-58 Ran 2" tubing -3" anchor and
 anchor packer with bull plug and cage on
 bottom.
 Left well open - gas gauging 10 MCF

Reconditioned 1-12-59 to 1-27-59
 Had previously been fractured-no results. Tubing
 half full of fluid. Gas est. 8 Mcf - 21 hour pres
 121#.
 1-19-59 Hole filled back to 1830' Ran 3" tubing
 with Baker RT 8 packer set at 1789' - show of gas
 only - 5 bailers water in 16 hours. 21 hour pick
 121#. Fractured 1-20-59 - used 1 bbl. crude, 2
 gal MCA-waited 10 minutes. Pumped in 26 bbls.
 water with 1% Tergitol to break-pressure 2400#
 Pumped 8,000 gallons water with 1% Tergitol.
 started sand 3/4# per gallon. Pressure 2400-25
 Increased sand to 1#/gal. Flushed with 32 bbls.
 water and 1% Tergitol. Used 8,000# 20-40 sand
 Breakdown 4 minutes 2400#. Inj. rate 273 gpm.
 Treatment 25 minutes 2450#-maximum inj. 320
 gpm. ~~Flashed in 4 minutes 2450# ma~~
 pressure. Injection rate 336 gpm. Used 100 gal.
 Tergitol (50 gal. TMN and 50 gallons 08). At en
 of shut in period - 10 minutes - 1300#.
 1-27-59 Ran 2" tubing with 3" anchor - 3"x7"
 Parmaco Anchor packer. Set packer at 1744' -
 135' 11" anchor perforated. Ran cage, bull plug,
 1 perf. joint of 2" below packer.
 Final open flow 14,900 cu. ft. - 15 hours 130#
Total depth 1884'

CODE No. **G. W. 40** NAME **Lewis Maxwell well # 7-B.**

LEASE No. **C-32-**

COUNTY **Doddridge**

RECORD OF WELL USE

WATERS		YEARS
COMMENCED 6-30-09	COMPLETED Aug. 14, 1909	January
DATE SPUNDED	DATE SHUT IN	February
RIG		March
DRILLERS Contractor - J. A. Trainer		April
W. O. NO.	I. R. NO.	May
COST COMPLETE : Set up at \$3990.10		June
COST PER FOOT : 1.62		July
DATE CONNECTED		August
DATE PLUGGED	DATE AB'D	September
TOTAL DEPTH 2461'		October
C. H. ELEVATION 923'	HOW OBTAINED	November
	Producing Sand - Gordon.	December
		Total on line

Plus to Big Injin

VOLUME AND PRESSURE TESTS

DATE	LINE PRES.	MINUTES								TIME SHUT IN	ROCK	VOLUME	SAND	REMARKS	
		1	2	3	4	5	10	30	60						
1-1-20															
6-30-20												94,560		Bbl. oil daily	
12-31-20														Bbl. oil	
6-30-21	25									2	200			Bbl. oil	
12-31-21	38				42	62	96	124		2	145	115,968		No volume through	
7-1-22	28				43	57	98	125		2	145	150,720			
12-31-22	40				40							37,680			
6-30-23	18				10	25	70	70		1	130	67,392		Braden Head	
6-30-23	18				4	12	36			1	56	33,600			
6-30-23	25				90	94	109	109		1	120	59,700			
12-20-23	23				48	72	102	116		1	116	94,560		1/4 Bbl. oil	
6-30-24														Little oil	
12-1-24	8				5	10	28			1	54	48,000		Cleaning out	
6-30-25	4				3	7	23			1	43	67,392		Bbl. oil	
12-31-25	6				6	10	24			1	40	67,392		Bbl. oil	
6-1-26	2				5	9	21			1	36	48,000		2/3 Bbl. oil	
12-31-26	9				4	8	20	35		1	35	48,000		1/8 Bbl. oil	
6-30-27	5				2	5	23	38				48,000		1/8 Bbl. oil	
12-31-27	5				5	10	22			1	37	53,280		1/8 Bbl. oil	
6-30-28	5				6	10	20	35		1	35	28,992		1/8 Bbl. oil	
12-31-28	4				5	8	20			1	35	23,640		1 1/2 Bbl. oil	
6-30-29	4				5	9	23	40				33,600		1/8 Bbl. oil	
12-31-29	7				6	9	21	40				33,600		1/4 Bbl. oil	
6-30-30	6				4	8	17	32				28,992		Bbl. oil	
12-1-30	6				4	6	17	32				23,640		Bbl. oil	
6-30-31	5				4	7	18			1	34	33,600		Bbl. oil	
12-30-31	8				0	5	17			1	36	26,448		Bbl. oil	
6-30-32	6				4	8	20	34				28,992		1 Bbl. oil per	

1562-A. DISTRICT

2-DL-2

N. 290.71

E. 323.01

VOLUME AND PRESSURE TESTS

DATE	LINE PRES.	MINUTES									TIME SHUT IN	ROCK	VOLUME	SAND	REMARKS
		1	2	3	4	5	10	30	60						
2-31-32	12	0	0	2	4	5	8	19	35			23,640		1 1/2 Bbls. per week	
6-33	25	0	0	2	3	4	8	20	40			28,992	Gordon	1/4 " " "	
12-1-33	6	0	0	0	0	0	8	24	46			33,600	"	1/4 " " "	
6-1-34		0	2	3	4	5	9	27	46			28,992	"	" " " "	
12-1-34	4	0	0	2	3		4	25	45		Blown 1/2 hr.	33,600	"	1/4 "oil" "	
6-15-35	8	0	0	0	2		10		40		" 1/2 Hr.	28,922	"	1/2 " " " "	
12-15-35	6	0	0	0	2		5	19	38			23,640	"	Oil + Water. Blown	
6-25-36	6					2	5	20	42			33,600	"	"	
12-15-36	6		2	3	4	8	24	44				33,600	"	1/2 Bbl. Oil per week Blown 1/2 hr.	
6-15-37	5					2	5	20	42			23,640	"	"	
12-1-37	7					2	5	20	40			33,600	"	little oil + water Blown 1/2 hr.	
6-1-38	5					7	8	18	35			28,492	"	"	
12-1-38	6					7	8	20	38			23,530	"	Jumping well. oil + water	
6-1-39	6					7	7	15	36			21,060	"	" " " "	
12-1-39	5					3	7	22	40			21,060	"	" " " "	
6-1-40	5					2	7	18	38			21,060	"	" " " "	
12-1-40	6						4	12	22			33,330	"	Blown 1/2 Hr.	
6-1-41	5						8	15					"	drained out	
12-1-41	6					2	10	20				10,530	"	Blown 1/2 Hr.	
6-1-42	6					2	9	22				10,530	"	" 1/2 "	
12-1-42	6						10	20				10,530	"	" 1/2 "	
6-1-43	6						8	18					"	" 1/2 "	
12-1-43	6						10	20				14,900	"	" 1/2 "	
6-1-44	5					4	12	22				10,530	"	"	
12-1-44	5					4	8	20	42			14,900	"	"	
6-1-45	6					4	8	20	36			14,900	"	"	
12-1-45	6						8	18				10,530	"	" 1/2 "	
6-1-46	6	0	0	0	0	2	5	14	24			29,800	"	" 1/2 "	
12-1-46	8				1	2	6	20	38			27,900	"	" 1/2 "	
6-1-47	6						5	13	28			27,900	"	" 1/2 "	
12-1-47	6	-	-	2	3	5	8	22	41			29,800	"	" "	
6-1-48	7	-	2	4	6	8	10	24	40			29,800	"	" "	
12-1-48	8	-	1	3	5	7	9	24	37			29,800	"	" "	
6-1-49	5	-	-	-	-	-	5	18	32			29,800	"	" "	
12-1-49	6	-	-	1	2	3	6	16	33			29,800	"	" "	
6-1-50	4	-	-	-	1	2	5	15	31			33,330	"	" "	
12-1-50	4 1/2	-	-	-	1	2	5	14	30			31,630	"	" 1/2 hr	
6-1-51	16	-	-	1	2	3	7	17	32			29,800	"	"	
1-17-52									44			42,160	"	recor'd sent to [unclear]	

NAME
NO. 1
NO. 2
WEST 2202-1-50