

Amended
4-15-52

Case 249 (and 215)

EXHIBIT NO. 13

BAGLEY FIELD - LEA COUNTY, NEW MEXICO:

<u>WELL & NO.</u>	<u>TOP DEVONIAN</u>	<u>TOP DEVONIAN PAY</u>	<u>DEVONIAN</u> <u>CAP</u>	<u>DEVONIAN COMPLETION</u>
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BTA #1	10,730 (-6484)	10,760 (-6514)	30'	TD 11,766 (-7520) PB 10,965 (-6719)
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5-1/2" Csg. @ 11,200 with 600 sacks. PB
10,965 (-6719).
Perf. 10,960-65 with 60 holes. Wash with 250
gals. acid.
IP: F 1744 BOPD thru 1/2" ch. (Based on 5 1/2
hr. test. of 400 BO) GOR 28-1, Grav.
44.4 Corr.
Spud 11-25-48 Completed 7-16-49. 4247

BTC #1	10,662 (-6410)	10,699 (-6447)	37'	TD 10,980 (-6728) No PB
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7-5/8" Csg. @ 10,980.
Perf. 10,959-979 with 80 holes.
IP: F Nat. 1137 BOPD thru 1/2" ch. (Based on
17-3/4 hr. test of 841 BO) GOR 33-1,
Grav. 46.2 Corr.
Spud 6-5-49 Completed 10-23-49 425

BTC #2	11,603 (-7357)	11,657 (-7411)	54'	TD 11,715 (-7469) D & A
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8-5/8" Csg. @ 3886'.
Spud 3-27-50 Completed 8-11-50 4246

BTC #3	10,722 (-6470)	10,767 (-6515)	45'	TD 10,965 (-6713) No PB
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5-1/2" Csg. @ 10,895 with 660 sacks.
Trtd. open hole 10,895-10,965 with 500 gals.
acid.
IP: F 2112 BO 24 hrs. thru 1/2" ch. Gas Vol.
65,400 CFGPD, GOR 32-1, Grav. 46.0 Corr.
Spud 12-15-50 Completed 4-8-51 425

BTD #1	10,870 (-6620)	10,924 (-6674)	54'	TD 10,995 (-6745) No PB
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5-1/2" Csg. @ 10,980'.
Trtd. open hole 10,980-995 with 500 gals. acid.
IP: F 929 BO 24 hrs. thru 1/2" ch. GOR 32, Grav.
45.5 Corr.
Spud 8-8-49 Completed 12-5-49. 4250

open hole
PB - 10,978
Perf. 10,958-76

open hole
(-6746)

WELL & NO.	TOP DEVONIAN	TOP DEVONIAN PAY	DEVONIAN CAP	DEVONIAN	DEVONIAN	COMPLETION
BTD #2	10,670 (-6421)	10,720 (-6471)	50'	TD 10,975 (-6726)	No PB	5-1/2" Csg. @ 10,960. Trt. open hole 10,960-975 with 2500 gals. acid. IP: F 539 BO 24 hrs. thru 1/2" ch. GOR 34-1, Grav. 46.8 Corr. Spud 11-7-49 Completed 3-31-50 4279
BTD #3	10,712 (-6465)	10,777 (-6530)	65'	TD 10,957 (-6710)	No PB	5-1/2" Csg. @ 10,897. Wash open hole 10,897-10,957 with 500 gals. acid. IP: F 1130 BO plus 2.26 Bbls. BS 24 hrs. thru 1/2" ch. GOR 33-1, Grav. 45.8 Corr. Spud 5-17-50 Completed 9-8-50.
BTD #1	10,762 (-6512)	10,799 (-6549)	37'	TD 10,960 (-6710)	No PB	5-1/2" Csg. @ 10,922. Wash open hole 10,922-10,960 with 500 gals. acid. IP: F 1597 BO plus 3.20 Bbls BS 24 hrs. thru 1/2" ch. GOR 26-1, Grav. 46.0 Corr. Spud 8-14-50 Completed 12-5-50 4250
BTJ #1	10,965 (-6722)	11,066 (-6823)	101'	TD 11,140 (-6897)	D & A	TD 11,140'. Spud 9-16-50 Completed 1-17-51 9240
BTK #1	10,997 (-6732)	11,047 (-6782)	50'	TD 11,060 (-6795)	PB 9435 (-5178)	5-1/2" Csg. @ 9915 PB 9435 (-5175) Perf. 9045-63, 9290-9308, 9320-75, 9390-9435. Trt. 4000 gals. acid thru perf. 9045-63. Trt. 3000 gals. acid thru perf. 9320-75. Trt. 1000 gals. acid thru perf. 9290-9308. Total 8000 gals. acid. Set pkr. @ 9246. IP: F 313 BO 24 hrs. thru 24/64" ch. Gas Vol. 1,673,327 CFGPD, GOR 5349-1, Grav. 49.9 Corr. Spud 2-9-51 Completed 6-9-51 4265

PAGE #3 BAGLEY FIELD - LEA COUNTY, NEW MEXICO

<u>WELL & NO.</u>	<u>TOP DEVONIAN</u>	<u>TOP DEVONIAN PAY</u>	<u>DEVONIAN</u>	<u>DEVONIAN</u>	<u>COMPLETION</u>
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BTL #1	10,824 (-6579)	10,838 (-6593)	14'	TD 10,970 (-6725) PB 10,952 (-6707) <i>Bottom of Perfo 10,952 (-6707)</i>	5-1/2" Csg. @ 10,970 PB 10,952. Perf. 10,840-10,888 & 10,928-10,952. Trt. perf. with 2000 acid. IP: F 733 BO 24 hrs. thru 1/4" ch., GOR 49-1, Grav. 45.5 Corr. Spud 5-17-51 Completed 8-28-51 4245
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BTM #1	10,960 (-6705)	10,984 (-6729)	24'	TD 11,040 (-6785) PB 11,006 (-6751) <i>Bottom of Perfo. 11,006 (-6751)</i>	5-1/2" Csg. 11,040 PB 11,006. Perf. 10,976-11,006. Trt. 1000 acid. Re-trt. 1000 acid. IP: F 65 BO plus 374 BW 24 hrs. thru 3/4" ch. on input gas. Grav. 45.9 Corr. Spud 7-18-51 Completed 10-25-51 11255
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BTN #1

Drilling. Spud 3-4-52.

CAUDLE #1	11,008 (-6752)	11,081 (-6825)	73'	TD 11,083 (-6827) PB 9045 (-4789)	5-1/2" Csg. @ 9522, PB 9045 (-4789). Perf. 9040-9045, 8920-8980, 9001-9020, 9028-40. Trt. 250 gals. acid thru perf. 9040-45; Trt. 500 gals. acid thru perf. 8920-80; Trt. 3500 gals. acid thru perf. 9001-20; Trt. with 2000 gals. acid thru perf. 9001-20 and 9028-40. Total 6250 gal. acid. IP: F 285 BO plus 7 BW 24 hrs. thru 1/2" ch. GOR 1176-1, Grav. 46.8 Corr. Spud 3-27-49 Completed 8-12-49 4256
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PAGE #4 BAGLEY FIELD - LEA COUNTY, NEW MEXICO

<u>WELL & NO.</u>	<u>TOP DEVONIAN</u>	<u>TOP DEVONIAN PAY</u>	<u>DEVONIAN</u> <u>CAP</u>	<u>DEVONIAN</u>	<u>COMPLETION</u>
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CAUDLE #2	11,010 (-6744)	11,017 (-6751)	7'	TD 11,084 (-6817) DO 11,055 (-6789) <i>Bottom of Payfo 11,045-(-6779)</i>	5-1/2" Csg. @ 11,083, DO 11,055. Perf. 11,012-11,045 with 132 jet shots. Trt. total 4500 gals. acid thru perf. 11,012-11,045. IP: F 458 BO plus 1.16 B BS plus 6 BW 24 hrs. thru 1/2" ch. Gas Vol. 16,810 CFGPD, GOR 37.1 Grav. 44.3 Corr. Spud 9-20-50 Completed 1-19-51
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CAUDLE #5	10,844 (-6588)	10,866 (-6610)	22'	TD 10,966 (-6710) No PB <i>upon hole</i>	5-1/2" Csg. @ 10,860. Trt. open hole 10,860-10,966 with 6000 acid. IP: F 403 BO 24 hrs. thru 3/4" ch. on input Gas. Grav. 44.8 Corr. Spud 9-4-51 Completed 12-15-51
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CHAMBERS #1	10,928 (-6678)	11,016 (-6766)	88'	TD 11,040 (-6790) PB 11,026 (-6776) <i>Bottom of Payfo 11,026 (-6776)</i>	5-1/2" Csg. @ 11,040, PB 11,026 (-6776). Perf. 11,010-26. Trtd. 250 gals. acid. IP: F 159 BO plus 23 BW 24 hrs. thru 1" ch. on gas lift. Spud 4-21-50 Completed 8-16-50
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CHAMBERS #2	10,890 (-6641)	10,979 (-6730)	89'	TD 11,000 (-6751) PB 9033 (-4784)	5-1/2" Csg. @ 11,000 PB 9033 (-4784) Perf. Csg. 9005-9033 with 112 holes. Trt. perf. with 500 gals. acid. IP: F 846 BO plus 1 B BS thru 20/64" ch. Gas Vol. 1,312,000 CFGPD, GOR 1550-1, Grav. 42.5 Corr. Spud 2-10-51 Completed 5-11-51
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PAGE #5 BAGLEY FIELD - LEA COUNTY, NEW MEXICO

<u>WELL & No.</u>	<u>TOP DEVONIAN</u>	<u>TOP DEVONIAN PAY</u>	<u>DEVONIAN</u> <u>CAP</u>	<u>DEVONIAN</u>	<u>COMPLETION</u>	
MATHERS #1	10,860 (-6606)	10,876 (-6622)	16'	TD 10,964 (-6710) No PB <i>open hole</i>	5-1/2" Csg. @ 10934. Trt. open hole 10,934-10,964 with 500 gals. acid. Perf. 5-1/2" Csg. 10,920-10,935 with 60 jet shots. Trt. open hole & perf. with 2000 gals. acid. IP: F 381 BO plus 1/2 B BS plus 7 B AW 24 hrs. thru 1/2" ch. Gas Vol. 12,000 CFGPD, GOR 31-1 Grav. 45.6 Corr. Spud 10-26-50 Completed 2-8-51	)
MATHERS #1-A	10,922 (-6665)	10,940 (-6683)	18'	TD 10,995 (-6738) PB 10,966 (-6709) <i>Bottom of Sags 10,966 (-6709)</i>	5-1/2" Csg. @ 10,995 PB 10,966 Perf. 10,938-10,966 Trt. perf. with 2500 gals. acid. IP: F 384 BO 24 hrs. thru 3/4" ch. GOR 35-1, Grav. 45.0 Corr. Spud 6-23-51 Completed 9-7-51	4 2 5 7
MATHERS #2-A	10,982 (-6722)	11,002 (-6742)	20'	TD 11,030 (-6770) No PB <i>open hole</i>	5-1/2" Csg. @ 11,000. Wash open hole 11,000-11,030 W/500 acid. IP: F 1342 BOPD thru 1/2" ch. (Based on 8 hr. test) GOR 18-1, Grav. 44.5 Corr. Spud 10-10-51 Completed 1-19-52	4 2 6 0
SIMMONS #1	10,952 (-6699)	11,025 (-6772)	73'	TD 11,046 (-6793) PB 9040 (-4787)	5-1/2" Csg. @ 9450, PB 9040 (-4787). Perf. 9000-9040. Trt. with 4500 gals. acid. IP: F 292 BO plus 172 BW 24 hrs. thru 1/2" ch., GOR 1847-1, Grav. 45.3 Corr. Spud 12-9-49 Completed 4-28-50	4 2 5 3
TURNER #1	11,000 (-6746)	11,096 (-6842)	96'	TD 11,115 (-6861) No PB	TD 11,115 (-6861) D & A Spud 4-15-51 Completed 7-14-51	4 2 5 4

PAGE #6 - BAGLEY FIELD - LEA COUNTY, NEW MEXICO

<u>WELL & NO.</u>	<u>TOP DEVONIAN</u>	<u>TOP DEVONIAN PAY</u>	<u>DEVONIAN</u>	<u>DEVONIAN</u>	<u>DE V O N I A N C O M P L E T I O N</u>
			<u>CAP</u>		
SHELL #1-A	11,040 (-6766)	Est. 11,062 (-6788)	22'	TD 11,075 (-6801)	PB 9815 (-5541) 5-1/2" Csg. @ 9890 PB 9815. Perf. Csg. 9805-9815. Trt. perf. W/2000 acid. IP: F 11,000,000 CFGPD thru 24/64" ch., SI Spud 6-29-51 Completed 10-26-51 4274
T&P #1-B	10,722 (-6479)	10,795 (-6552)	73'	TD 10,914 (-6671) No PB <i>open hole</i>	7-5/8" Csg. @ 10,765. Trt. open hole 10,765-10,914 with 5500 gal. acid. IP: F 2460 BOPD thru open 2-1/2" tbg. (based on 2 hr. test) GOR 12-1, Grav. 46.6 Corr. Spud 6-30-49 Completed 12-9-49 4243
T&P #2-B					Drilling Spud 10-30-51.
T&P #1-C	10,563 (-6317)	10,660 (-6414)	97'	TD 10,822 (-6576) No PB <i>open hole</i>	5-1/2" Csg. @ 10,650. Wash open hole 10,650-10,822 with 500 gals. acid. IP: F 1566 BOPD thru 3/8" ch. (Based on 4 hr. test, GOR 29-1, Grav. 46.1 Corr. Spud 12-2-49 Completed 4-21-50 4246
T&P #2-C	10,739 (-6491)	10,760 (-6512)	21'	TD 10,949 (-6701) No PB <i>open hole</i>	7" Csg. @ 10,778. Wash open hole 10,778-10,949 with 500 gals. acid. IP: F 1104 BO 24 hrs. thru 16/64" ch. GOR 27-1, Grav. 45.7. Spud 2-17-50 Completed 6-9-50 4248

COUNTY, NEW MEXICO

TOP DEVONIAN PAY

DEVONIAN
CAP

DEVONIAN COMPLETION

) 10,920 (-6666)

72'

TD 11,034 (-6780) PB 10,994 (-6740)

Perfo - 10,994 (-6740)

5-1/2" Csg. @ 11,034', PB 10,994 (-6740)
Perf. 10,907-994. Trt. 500 gals. acid.
IP: F 1080 BO 24 hrs. thru 24/64" ch.
GOR 25-1, Grav. 45.6 Corr.
Spud 4-22-50 Completed 8-18-50

92.54

) 10,960 (-6706)

44'

TD 11,019 (-6765) PB 9034 (-4780)

7" Csg. 11,018 PB 9034.

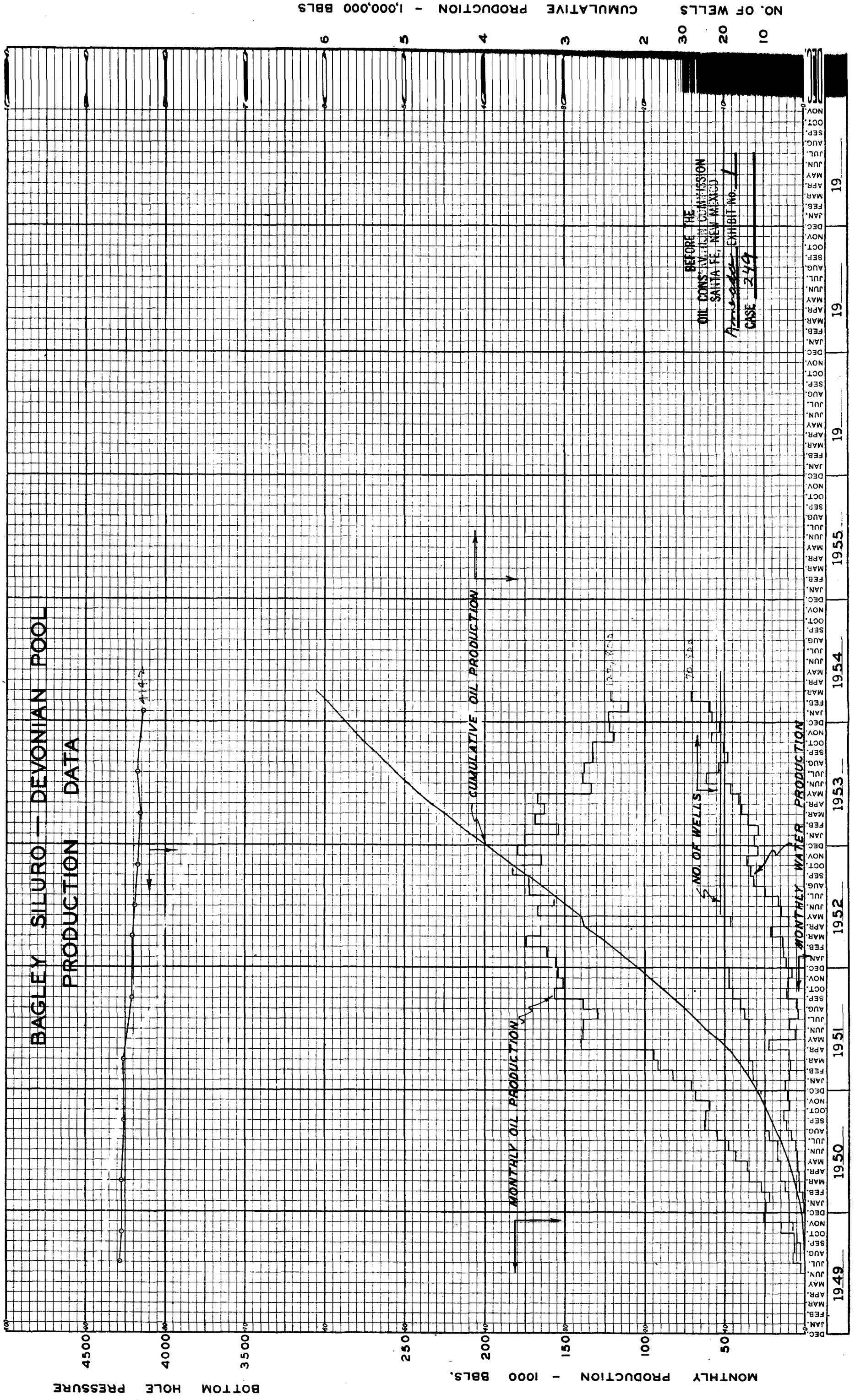
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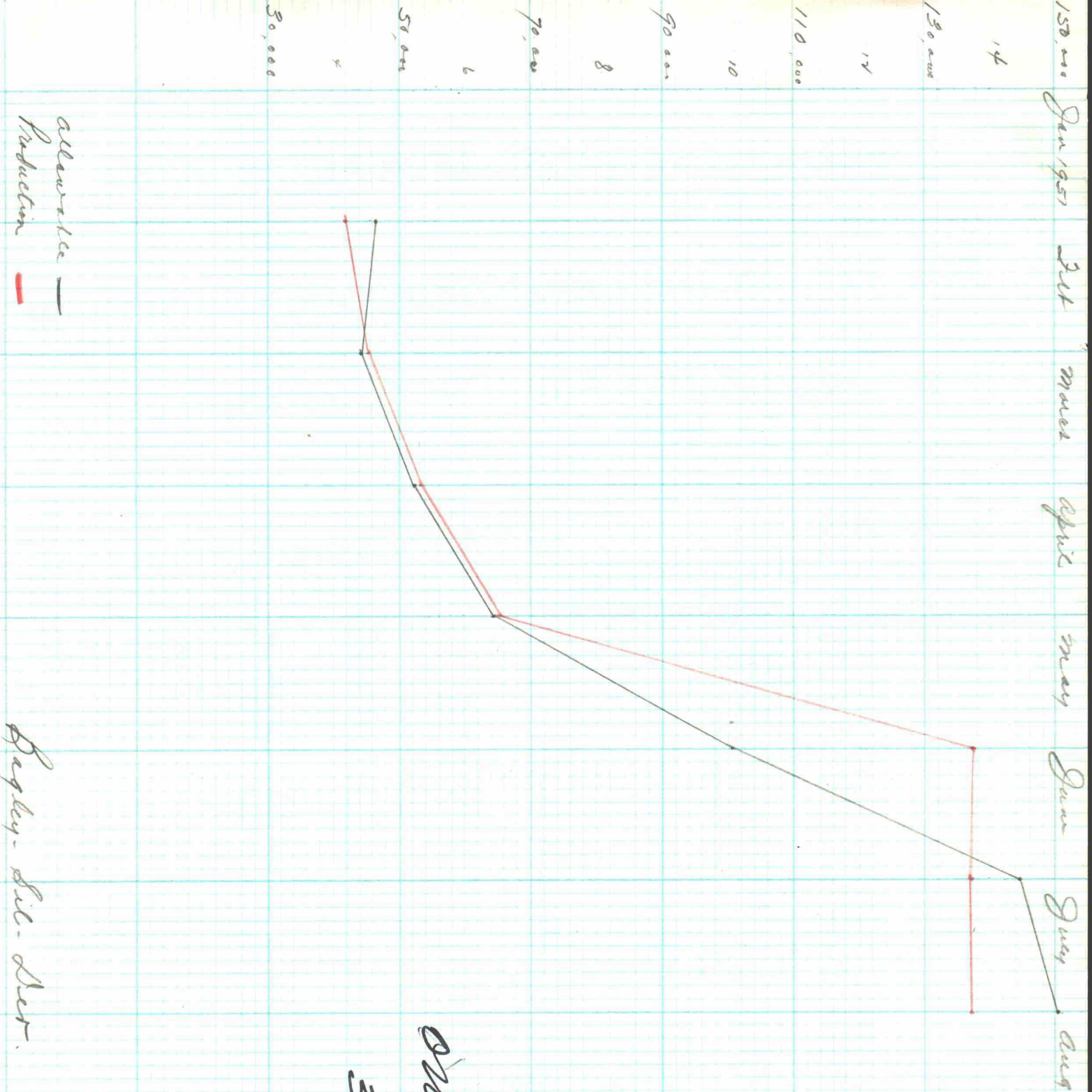
Wash perf. w/500 acid.

Trt. perf w/1500 acid.

IP: F 312 BOFD thru 1/2" ch. (Based on 15
hr test) GOR 1809-1, Grav. 48.0 Corr.
Spud 6-21-51 Completed 11-9-51

42.54





one & one half allowance
372 bbls

10-11,000 (4.67)
~~14,000~~
 Bagley - Oil - Short