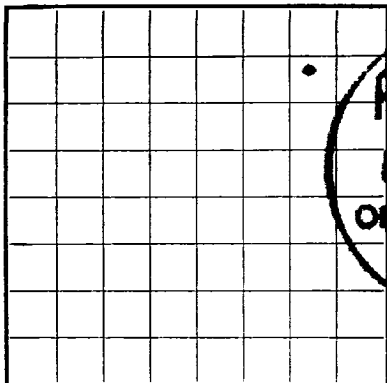


U. S. LAND OFFICE Santa Fe
SERIAL NUMBER NM 03551
LEASE OR PERMIT TO PROSPECT _____



UNITED STATES Breech "E"
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Caulkins Oil Company Address Box 967, Farmington, N.Mex.
Lessor or Tract Breech "E" Field South Blanco Dakota and Mesa Verde State New Mexico
Well No. MD-58 Sec. 3 T. 26N R. 6W Meridian NMPM County Rio Arriba
Location 790 ft. 80 of S. Line and 840 ft. 11 of E. Line of Section 3 Elevation 6565 KB
(Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.
Signed Charles Vergara

Date January 20, 1960 Title Production Foreman

The summary on this page is for the condition of the well at above date.

Commenced drilling September 30, 1959 Finished drilling November 15, 1959

TOPS OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from Dakota 7435 No. 4, from Cliff House 4750
No. 2, from Graneros 7305 No. 5, from _____ to _____
No. 3, from Point Lookout 5302 No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from _____ to _____ No. 3, from _____ to _____
No. 2, from _____ to _____ No. 4, from _____ to _____

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
<u>10 3/4"</u>	<u>32.75#</u>	<u>8</u>	<u>IL-40</u>	<u>235'</u>	<u>Reg.</u>				<u>Surface Production</u>
<u>5 1/2"</u>	<u>17#</u>	<u>8</u>	<u>J-55</u>	<u>1817.05</u>	<u>Reg.</u>				
<u>5 1/2"</u>	<u>15.5#</u>	<u>8</u>	<u>J-55</u>	<u>6673</u>	<u>Reg.</u>				

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>10 3/4"</u>	<u>252'</u>	<u>200</u>	<u>Plug</u>		
<u>5 1/2"</u>	<u>3127'</u>	<u>240</u>	<u>Plug</u>		
<u>5 1/2"</u>	<u>5470'</u>	<u>315</u>	<u>Plug</u>		
<u>5 1/2"</u>	<u>7700'</u>	<u>300</u>	<u>Plug</u>		

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____
Adapters—Material _____ Size _____

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

TOOLS USED

Rotary tools were used from 0 feet to 7700' feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

_____, 19____ Put to producing _____, 19____

The production for the first 24 hours was _____ barrels of fluid of which _____% was oil; _____% emulsion; _____% water; and _____% sediment. Gravity, °Bé. _____

If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

_____, Driller _____, Driller
_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>190</u>	<u>190</u>	<u>Surface</u>
<u>190</u>	<u>6175</u>	<u>5985</u>	<u>Sand & Shale</u>
<u>6175</u>	<u>6256</u>	<u>81</u>	<u>Sandy Shale</u>
<u>6256</u>	<u>6453</u>	<u>197</u>	<u>Sand & Shale</u>
<u>6453</u>	<u>6548</u>	<u>95</u>	<u>Shale</u>
<u>6548</u>	<u>7311</u>	<u>763</u>	<u>Sand & Shale</u>
<u>7311</u>	<u>7361</u>	<u>50</u>	<u>Sandy Shale</u>
<u>7361</u>	<u>7378</u>	<u>17</u>	<u>Sandy Lime</u>
<u>7378</u>	<u>7400</u>	<u>22</u>	<u>Sand</u>
<u>7400</u>	<u>7491</u>	<u>91</u>	<u>Lime</u>
<u>7491</u>	<u>7505</u>	<u>14</u>	<u>Sand</u>
<u>7505</u>	<u>7528</u>	<u>23</u>	<u>Lime</u>
<u>7528</u>	<u>7558</u>	<u>30</u>	<u>Sand</u>
<u>7558</u>	<u>7565</u>	<u>7</u>	<u>Lime</u>
<u>7565</u>	<u>7600</u>	<u>45</u>	<u>Sand</u>
<u>7600</u>	<u>7632</u>	<u>32</u>	<u>Sand & Shale</u>
<u>7632</u>	<u>7650</u>	<u>18</u>	<u>Lime & Shale</u>
<u>7650</u>	<u>7676</u>	<u>26</u>	<u>Sand & Shale</u>
<u>7676</u>	<u>7700</u>	<u>24</u>	<u>Sandy Shale</u>

FORMATION TOPS:
Dakota 7435
Graneros 7305
Point Lookout 5302
Cliff House 4750

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
-------	-----	------------	-----------

HISTORY OF OIL OR GAS WELL

Spudded 6:30 A.M. 9-30-59. Drilled to TD 2521'. Cemented 2 3/4" of 10 3/4" 32.75# H-40 casing at 252' w/200 sacks common cement, 2% calcium chloride. Cement circulated. Plug down at 5:30 A.M. 10-1-59.

10-27-59 - DST 6766' to 6885'. Test open 1 hour. Recovered 60' drilling mud, ISIP-30 min.-100#. ISIP-30#. ISIP-30 min.-60#.

11-15-59 - Total depth 7700'. Schlumberger ran sonic and induction-electrical logs, side wall cores at 6686', 6688' and 6690'. Further testing abandoned because of hole condition.

11-20-59 - Ran 15.5 and 1 1/2" casing to 7690' w/following equipment: Centralizers: 7688, 7666, 7520, 7434, 7350, 5447, 5514, 3095 and 3160. Sorelators: 7690 to 7280, 5447 to 5447 and 3094 to 2974.

Cemented first stage w/250 sacks 50% cement and 50% borealx, 2% gel and 1 1/2" Gilsenite per sack. Cemented second stage through DV collar at 5529' w/240 sacks 50% cement and 50% borealx, 2% gel and 1 1/2" Gilsenite per sack. Ran temperature survey. Found top of cement at 4500'.

11-24-59 - Drilled out DV collar at 3180' w/reverse circulation. 50% borealx and 2% gel. Plug down at 8:30 A.M. 11-21-59.

11-25-59 - Tested casing w/3500#. Held ok. Drilled out cement 5445 to 5523. Drilled out DV plug @ 5523'. Tested casing w/3500#. Held ok.

11-26-59 - Cleaned out to TD 6634'. 11-27-59 - Ran 5 1/2" casing to 7634'. Pulled scraper. Ran Schlumberger collar log and PDC log. Ran 2 1/2" tubing w/Halliburton abrasive jet tool.

11-28-59 - Perforated @ 7551, 7519 and 7494' w/abrasive jet. Fractured w/19,000# 20-40 sand and 28,000 gal. Gelled water. Sand screened out when 2436 gal. of flushed water was pumped in. EDP-3500#. IF-3500# to 3800 to 4000#. AIR-24.3 BPM. Opened well and flowed water and sand back under its own pressure for 6 hrs. Started showing small amounts of gas.

11-29-59 - Unleaded hole every 20 joints with gas to 7519'. Blow hole w/gas to 7519'. Gas volume 217 MCFPD. Sand cleaned out to 7568', wire line measure and gas logs @ 7470'. Ran abrasive jet run on tubing and gas logs @ 7469, 7440, 7420, 7400, 7380, 7360, 7340, 7320, 7300, 7280, 7260, 7240, 7220, 7200, 7180, 7160, 7140, 7120, 7100, 7080, 7060, 7040, 7020, 7000, 6980, 6960, 6940, 6920, 6900, 6880, 6860, 6840, 6820, 6800, 6780, 6760, 6740, 6720, 6700, 6680, 6660, 6640, 6620, 6600, 6580, 6560, 6540, 6520, 6500, 6480, 6460, 6440, 6420, 6400, 6380, 6360, 6340, 6320, 6300, 6280, 6260, 6240, 6220, 6200, 6180, 6160, 6140, 6120, 6100, 6080, 6060, 6040, 6020, 6000, 5980, 5960, 5940, 5920, 5900, 5880, 5860, 5840, 5820, 5800, 5780, 5760, 5740, 5720, 5700, 5680, 5660, 5640, 5620, 5600, 5580, 5560, 5540, 5520, 5500, 5480, 5460, 5440, 5420, 5400, 5380, 5360, 5340, 5320, 5300, 5280, 5260, 5240, 5220, 5200, 5180, 5160, 5140, 5120, 5100, 5080, 5060, 5040, 5020, 5000, 4980, 4960, 4940, 4920, 4900, 4880, 4860, 4840, 4820, 4800, 4780, 4760, 4740, 4720, 4700, 4680, 4660, 4640, 4620, 4600, 4580, 4560, 4540, 4520, 4500, 4480, 4460, 4440, 4420, 4400, 4380, 4360, 4340, 4320, 4300, 4280, 4260, 4240, 4220, 4200, 4180, 4160, 4140, 4120, 4100, 4080, 4060, 4040, 4020, 4000, 3980, 3960, 3940, 3920, 3900, 3880, 3860, 3840, 3820, 3800, 3780, 3760, 3740, 3720, 3700, 3680, 3660, 3640, 3620, 3600, 3580, 3560, 3540, 3520, 3500, 3480, 3460, 3440, 3420, 3400, 3380, 3360, 3340, 3320, 3300, 3280, 3260, 3240, 3220, 3200, 3180, 3160, 3140, 3120, 3100, 3080, 3060, 3040, 3020, 3000, 2980, 2960, 2940, 2920, 2900, 2880, 2860, 2840, 2820, 2800, 2780, 2760, 2740, 2720, 2700, 2680, 2660, 2640, 2620, 2600, 2580, 2560, 2540, 2520, 2500, 2480, 2460, 2440, 2420, 2400, 2380, 2360, 2340, 2320, 2300, 2280, 2260, 2240, 2220, 2200, 2180, 2160, 2140, 2120, 2100, 2080, 2060, 2040, 2020, 2000, 1980, 1960, 1940, 1920, 1900, 1880, 1860, 1840, 1820, 1800, 1780, 1760, 1740, 1720, 1700, 1680, 1660, 1640, 1620, 1600, 1580, 1560, 1540, 1520, 1500, 1480, 1460, 1440, 1420, 1400, 1380, 1360, 1340, 1320, 1300, 1280, 1260, 1240, 1220, 1200, 1180, 1160, 1140, 1120, 1100, 1080, 1060, 1040, 1020, 1000, 980, 960, 940, 920, 900, 880, 860, 840, 820, 800, 780, 760, 740, 720, 700, 680, 660, 640, 620, 600, 580, 560, 540, 520, 500, 480, 460, 440, 420, 400, 380, 360, 340, 320, 300, 280, 260, 240, 220, 200, 180, 160, 140, 120, 100, 80, 60, 40, 20, 0.

12-1-59 - Set Halliburton bridge plug @ 7470'. Ran abrasive jet run on tubing and gas logs @ 7469, 7440, 7420, 7400, 7380, 7360, 7340, 7320, 7300, 7280, 7260, 7240, 7220, 7200, 7180, 7160, 7140, 7120, 7100, 7080, 7060, 7040, 7020, 7000, 6980, 6960, 6940, 6920, 6900, 6880, 6860, 6840, 6820, 6800, 6780, 6760, 6740, 6720, 6700, 6680, 6660, 6640, 6620, 6600, 6580, 6560, 6540, 6520, 6500, 6480, 6460, 6440, 6420, 6400, 6380, 6360, 6340, 6320, 6300, 6280, 6260, 6240, 6220, 6200, 6180, 6160, 6140, 6120, 6100, 6080, 6060, 6040, 6020, 6000, 5980, 5960, 5940, 5920, 5900, 5880, 5860, 5840, 5820, 5800, 5780, 5760, 5740, 5720, 5700, 5680, 5660, 5640, 5620, 5600, 5580, 5560, 5540, 5520, 5500, 5480, 5460, 5440, 5420, 5400, 5380, 5360, 5340, 5320, 5300, 5280, 5260, 5240, 5220, 5200, 5180, 5160, 5140, 5120, 5100, 5080, 5060, 5040, 5020, 5000, 4980, 4960, 4940, 4920, 4900, 4880, 4860, 4840, 4820, 4800, 4780, 4760, 4740, 4720, 4700, 4680, 4660, 4640, 4620, 4600, 4580, 4560, 4540, 4520, 4500, 4480, 4460, 4440, 4420, 4400, 4380, 4360, 4340, 4320, 4300, 4280, 4260, 4240, 4220, 4200, 4180, 4160, 4140, 4120, 4100, 4080, 4060, 4040, 4020, 4000, 3980, 3960, 3940, 3920, 3900, 3880, 3860, 3840, 3820, 3800, 3780, 3760, 3740, 3720, 3700, 3680, 3660, 3640, 3620, 3600, 3580, 3560, 3540, 3520, 3500, 3480, 3460, 3440, 3420, 3400, 3380, 3360, 3340, 3320, 3300, 3280, 3260, 3240, 3220, 3200, 3180, 3160, 3140, 3120, 3100, 3080, 3060, 3040, 3020, 3000, 2980, 2960, 2940, 2920, 2900, 2880, 2860, 2840, 2820, 2800, 2780, 2760, 2740, 2720, 2700, 2680, 2660, 2640, 2620, 2600, 2580, 2560, 2540, 2520, 2500, 2480, 2460, 2440, 2420, 2400, 2380, 2360, 2340, 2320, 2300, 2280, 2260, 2240, 2220, 2200, 2180, 2160, 2140, 2120, 2100, 2080, 2060, 2040, 2020, 2000, 1980, 1960, 1940, 1920, 1900, 1880, 1860, 1840, 1820, 1800, 1780, 1760, 1740, 1720, 1700, 1680, 1660, 1640, 1620, 1600, 1580, 1560, 1540, 1520, 1500, 1480, 1460, 1440, 1420, 1400, 1380, 1360, 1340, 1320, 1300, 1280, 1260, 1240, 1220, 1200, 1180, 1160, 1140, 1120, 1100, 1080, 1060, 1040, 1020, 1000, 980, 960, 940, 920, 900, 880, 860, 840, 820, 800, 780, 760, 740, 720, 700, 680, 660, 640, 620, 600, 580, 560, 540, 520, 500, 480, 460, 440, 420, 400, 380, 360, 340, 320, 300, 280, 260, 240, 220, 200, 180, 160, 140, 120, 100, 80, 60, 40, 20, 0.

12-2-59 - Fractured w/90,000# 20-40 sand and 58,800 gal. Gelled water. Flushed w/8400 gal. water. BDP-3200#. IF-3700 to 2800#. AIR-40.5 BPM. Set Halliburton bridge plug @ 7350' and prepared to perforate granules.

12-3-59 - Perforated granules @ 7340, 7332, 7320 and 7308 w/4 holes at each interval w/abrasive jet.

12-4-59 - Fractured w/55,000# 20-40 sand and 56,760 gal. Gelled water. BDP-2600#. Max. Pressure-4600#. IF-3550#. AIR-55 BPM. Behavior of injection pressure during flush indicated a casing leak. Ran Halliburton line to see if sand had all been displaced. Found top of sand at 7000'.

12-5-59 - Cleaned out sand to 7300'. Gas volume from granules 886 MCFPD. 12-6-59 - Set Halliburton bridge plug @ 7280'. Filled casing w/water and pumped into well w/one pump at approximately 7 BPM at 1800#. Ran Halliburton RTTS packer on tubing to find leak. Located hole in casing @ 4932'. Wire line measurement.

12-7-59 - Squashed w/50 sacks latex cement @ 4932'. Would not squeeze. Cleared pipe of cement and squeezed again w/50 sacks latex cement.

12-9-59 - Drilled out cement and tested casing. Found leak would take one BPM @ 3500#. 12-10-59 - Squashed w/50 sacks. Cement dehydrated in tubing leaving 50 lbs full of cement.

12-11-59 - Drilled out cement. Tested casing w/3500#. 12-15-59 - Fractured granules w/36,000# 20-60 sand and 49,800 gal. water. BDP-2700#. IF-3200#. IF-3200#. AIR-2500#. 12-16-59 - Drilled out bridge plug @ 7280' and cleaned out to 7353'.

12-17-59 - Flow hole dry and obtained w/gas to 7280'. 12-18-59 - Drilled out bridge plug @ 7280'. Gas volume before drilling bridge plug @ 7450, was 134 MCFPD. 12-20-59 - Drilled out bridge plug @ 7290'. Gas volume before drilling bridge plug @ 7290' was 134 MCFPD. 12-21-59 - Drilled out bridge plug @ 7290'. Gas volume before drilling bridge plug was 134 MCFPD. 12-22-59 - Drilled out bridge plug @ 7290'. Gas volume before drilling bridge plug was 134 MCFPD. 12-23-59 - Drilled out bridge plug @ 7290'. Gas volume before drilling bridge plug was 134 MCFPD. 12-24-59 - Drilled out bridge plug @ 7290'. Gas volume before drilling bridge plug was 134 MCFPD. 12-25-59 - Drilled out bridge plug @ 7290'. Gas volume before drilling bridge plug was 134 MCFPD. 12-26-59 - Drilled out bridge plug @ 7290'. Gas volume before drilling bridge plug was 134 MCFPD. 12-27-59 - Drilled out bridge plug @ 7290'. Gas volume before drilling bridge plug was 134 MCFPD. 12-28-59 - Drilled out bridge plug @ 7290'. Gas volume before drilling bridge plug was 134 MCFPD. 12-29-59 - Drilled out bridge plug @ 7290'. Gas volume before drilling bridge plug was 134 MCFPD. 12-30-59 - Drilled out bridge plug @ 7290'. Gas volume before drilling bridge plug was 134 MCFPD. 12-31-59 - Drilled out bridge plug @ 7290'. Gas volume before drilling bridge plug was 134 MCFPD.

12-1-60 - Fractured w/60,000# 20-40 sand and 28,000 gal. water. BDP-1100#. IF-2200 to 1700#. IF-1000#. 12-16-59 - Fractured w/60,000# 20-40 sand and 28,000 gal. water. BDP-1100#. IF-2200 to 1700#. IF-1000#. 12-17-59 - Fractured w/60,000# 20-40 sand and 28,000 gal. water. BDP-1100#. IF-2200 to 1700#. IF-1000#. 12-18-59 - Fractured w/60,000# 20-40 sand and 28,000 gal. water. BDP-1100#. IF-2200 to 1700#. IF-1000#. 12-19-59 - Fractured w/60,000# 20-40 sand and 28,000 gal. water. BDP-1100#. IF-2200 to 1700#. IF-1000#. 12-20-59 - Fractured w/60,000# 20-40 sand and 28,000 gal. water. BDP-1100#. IF-2200 to 1700#. IF-1000#. 12-21-59 - Fractured w/60,000# 20-40 sand and 28,000 gal. water. BDP-1100#. IF-2200 to 1700#. IF-1000#. 12-22-59 - Fractured w/60,000# 20-40 sand and 28,000 gal. water. BDP-1100#. IF-2200 to 1700#. IF-1000#. 12-23-59 - Fractured w/60,000# 20-40 sand and 28,000 gal. water. BDP-1100#. IF-2200 to 1700#. IF-1000#. 12-24-59 - Fractured w/60,000# 20-40 sand and 28,000 gal. water. BDP-1100#. IF-2200 to 1700#. IF-1000#. 12-25-59 - Fractured w/60,000# 20-40 sand and 28,000 gal. water. BDP-1100#. IF-2200 to 1700#. IF-1000#. 12-26-59 - Fractured w/60,000# 20-40 sand and 28,000 gal. water. BDP-1100#. IF-2200 to 1700#. IF-1000#. 12-27-59 - Fractured w/60,000# 20-40 sand and 28,000 gal. water. BDP-1100#. IF-2200 to 1700#. IF-1000#. 12-28-59 - Fractured w/60,000# 20-40 sand and 28,000 gal. water. BDP-1100#. IF-2200 to 1700#. IF-1000#. 12-29-59 - Fractured w/60,000# 20-40 sand and 28,000 gal. water. BDP-1100#. IF-2200 to 1700#. IF-1000#. 12-30-59 - Fractured w/60,000# 20-40 sand and 28,000 gal. water. BDP-1100#. IF-2200 to 1700#. IF-1000#. 12-31-59 - Fractured w/60,000# 20-40 sand and 28,000 gal. water. BDP-1100#. IF-2200 to 1700#. IF-1000#.

12-1-60 - Fractured w/60,000# 20-40 sand and 28,000 gal. water. BDP-1100#. IF-2200 to 1700#. IF-1000#. 12-16-59 - Fractured w/60,000# 20-40 sand and 28,000 gal. water. BDP-1100#. IF-2200 to 1700#. IF-1000#. 12-17-59 - Fractured w/60,000# 20-40 sand and 28,000 gal. water. BDP-1100#. IF-2200 to 1700#. IF-1000#. 12-18-59 - Fractured w/60,000# 20-40 sand and 28,000 gal. water. BDP-1100#. IF-2200 to 1700#. IF-1000#. 12-19-59 - Fractured w/60,000# 20-40 sand and 28,000 gal. water. BDP-1100#. IF-2200 to 1700#. IF-1000#. 12-20-59 - Fractured w/60,000# 20-40 sand and 28,000 gal. water. BDP-1100#. IF-2200 to 1700#. IF-1000#. 12-21-59 - Fractured w/60,000# 20-40 sand and 28,000 gal. water. BDP-1100#. IF-2200 to 1700#. IF-1000#. 12-22-59 - Fractured w/60,000# 20-40 sand and 28,000 gal. water. BDP-1100#. IF-2200 to 1700#. IF-1000#. 12-23-59 - Fractured w/60,000# 20-40 sand and 28,000 gal. water. BDP-1100#. IF-2200 to 1700#. IF-1000#. 12-24-59 - Fractured w/60,000# 20-40 sand and 28,000 gal. water. BDP-1100#. IF-2200 to 1700#. IF-1000#. 12-25-59 - Fractured w/60,000# 20-40 sand and 28,000 gal. water. BDP-1100#. IF-2200 to 1700#. IF-1000#. 12-26-59 - Fractured w/60,000# 20-40 sand and 28,000 gal. water. BDP-1100#. IF-2200 to 1700#. IF-1000#. 12-27-59 - Fractured w/60,000# 20-40 sand and 28,000 gal. water. BDP-1100#. IF-2200 to 1700#. IF-1000#. 12-28-59 - Fractured w/60,000# 20-40 sand and 28,000 gal. water. BDP-1100#. IF-2200 to 1700#. IF-1000#. 12-29-59 - Fractured w/60,000# 20-40 sand and 28,000 gal. water. BDP-1100#. IF-2200 to 1700#. IF-1000#. 12-30-59 - Fractured w/60,000# 20-40 sand and 28,000 gal. water. BDP-1100#. IF-2200 to 1700#. IF-1000#. 12-31-59 - Fractured w/60,000# 20-40 sand and 28,000 gal. water. BDP-1100#. IF-2200 to 1700#. IF-1000#.

12-1-60 - Fractured w/60,000# 20-40 sand and 28,000 gal. water. BDP-1100#. IF-2200 to 1700#. IF-1000#. 12-16-59 - Fractured w/60,000# 20-40 sand and 28,000 gal. water. BDP-1100#. IF-2200 to 1700#. IF-1000#. 12-17-59 - Fractured w/60,000# 20-40 sand and 28,000 gal. water. BDP-1100#. IF-2200 to 1700#. IF-1000#. 12-18-59 - Fractured w/60,000# 20-40 sand and 28,000 gal. water. BDP-1100#. IF-2200 to 1700#. IF-1000#. 12-19-59 - Fractured w/60,000# 20-40 sand and 28,000 gal. water. BDP-1100#. IF-2200 to 1700#. IF-1000#. 12-20-59 - Fractured w/60,000# 20-40 sand and 28,000 gal. water. BDP-1100#. IF-2200 to 1700#. IF-1000#. 12-21-59 - Fractured w/60,000# 20-40 sand and 28,000 gal. water. BDP-1100#. IF-2200 to 1700#. IF-1000#. 12-22-59 - Fractured w/60,000# 20-40 sand and 28,000 gal. water. BDP-1100#. IF-2200 to 1700#. IF-1000#. 12-23-59 - Fractured w/60,000# 20-40 sand and 28,000 gal. water. BDP-1100#. IF-2200 to 1700#. IF-1000#. 12-24-59 - Fractured w/60,000# 20-40 sand and 28,000 gal. water. BDP-1100#. IF-2200 to 1700#. IF-1000#. 12-25-59 - Fractured w/60,000# 20-40 sand and 28,000 gal. water. BDP-1100#. IF-2200 to 1700#. IF-1000#. 12-26-59 - Fractured w/60,000# 20-40 sand and 28,000 gal. water. BDP-1100#. IF-2200 to 1700#. IF-1000#. 12-27-59 - Fractured w/60,000# 20-40 sand and 28,000 gal. water. BDP-1100#. IF-2200 to 1700#. IF-1000#. 12-28-59 - Fractured w/60,000# 20-40 sand and 28,000 gal. water. BDP-1100#. IF-2200 to 1700#. IF-1000#. 12-29-59 - Fractured w/60,000# 20-40 sand and 28,000 gal. water. BDP-1100#. IF-2200 to 1700#. IF-1000#. 12-30-59 - Fractured w/60,000# 20-40 sand and 28,000 gal. water. BDP-1100#. IF-2200 to 1700#. IF-1000#. 12-31-59 - Fractured w/60,000# 20-40 sand and 28,000 gal. water. BDP-1100#. IF-2200 to 1700#. IF-1000#.

12-1-60 - Fractured w/60,000# 20-40 sand and 28,000 gal. water. BDP-1100#. IF-2200 to 1700#. IF-1000#. 12-16-59 - Fractured w/60,000# 20-40 sand and 28,000 gal. water. BDP-1100#. IF-2200 to 1700#. IF-1000#. 12-17-59 - Fractured w/60,000# 20-40 sand and 28,000 gal. water. BDP-1100#. IF-2200 to 1700#. IF-1000#. 12-18-59 - Fractured w/60,000# 20-40 sand and 28,000 gal. water. BDP-1100#. IF-2200 to 1700#. IF-1000#. 12-19-59 - Fractured w/60,000# 20-40 sand and 28,000 gal. water. BDP-1100#. IF-2200 to 1700#. IF-1000#. 12-20-59 - Fractured w/60,000# 20-40 sand and 28,000 gal. water. BDP-1100#. IF-2200 to 1700#. IF-1000#. 12-21-59 - Fractured w/60,000# 20-40 sand and 28,000 gal. water. BDP-1100#. IF-2200 to 1700#. IF-1000#. 12-22-59 - Fractured w/60,000# 20-40 sand and 28,000 gal. water. BDP-1100#. IF-2200 to 1700#. IF-1000#. 12-23-59 - Fractured w/60,000# 20-40 sand and 28,000 gal. water. BDP-1100#. IF-2200 to 1700#. IF-1000#. 12-24-59 - Fractured w/60,000# 20-40 sand and 28,000 gal. water. BDP-1100#. IF-2200 to 1700#. IF-1000#. 12-25-59 - Fractured w/60,000# 20-40 sand and 28,000 gal. water. BDP-1100#. IF-2200 to 1700#. IF-1000#. 12-26-59 - Fractured w/60,000# 20-40 sand and 28,000 gal. water. BDP-1100#. IF-2200 to 1700#. IF-1000#. 12-27-59 - Fractured w/60,000# 20-40 sand and 28,000 gal. water. BDP-1100#. IF-2200 to 1700#. IF-1000#. 12-28-59 - Fractured w/60,000# 20-40 sand and 28,000 gal. water. BDP-1100#. IF-2200 to 1700#. IF-1000#. 12-29-59 - Fractured w/60,000# 20-40 sand and 28,000 gal. water. BDP-1100#. IF-2200 to 1700#. IF-1000#. 12-30-59 - Fractured w/60,000# 20-40 sand and 28,000 gal. water. BDP-1100#. IF-2200 to 1700#. IF-1000#. 12-31-59 - Fractured w/60,000# 20-40 sand and 28,000 gal. water. BDP-1100#. IF-2200 to 1700#. IF-1000#.

12-1-60 - Fractured w/60,000# 20-40 sand and 28,000 gal. water. BDP-1100#. IF-2200 to 1700#. IF-1000#. 12-16-59 - Fractured w/60,000# 20-40 sand and 28,000 gal. water. BDP-1100#. IF-2200 to 1700#. IF-1000#. 12-17-59 - Fractured w/60,000# 20-40 sand and 28,000 gal. water. BDP-1100#. IF-2200 to 1700#. IF-1000#. 12-18-59 - Fractured w/60,000# 20-40 sand and 28,000 gal. water. BDP-1100#. IF-2200 to