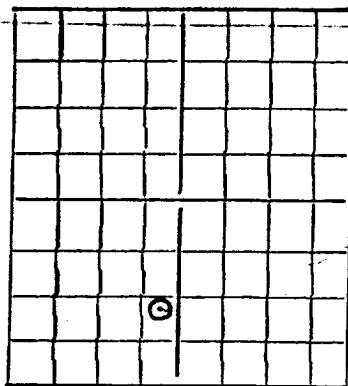
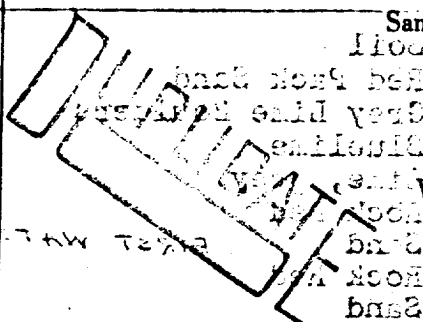




AREA 640 ACRES  
LOCATE WELL CORRECTLY



Santa Fe, New Mexico

### WELL RECORD

Mail to Oil Conservation Commission, Santa Fe, New Mexico, or its proper agent not more than twenty days after completion of well. Follow instructions in the Rules and Regulations of the Commission. Indicate questionable data by following it with (?). SUBMIT IN TRIPLICATE. FORM C-110 WILL NOT BE APPROVED UNTIL FORM C-105 IS PROPERLY FILLED OUT.

## Estancia Valley Carbon Dioxide Development Co., McIntosh, New Mexico

Company or Operator De Hart Address 1201 E. T. 7 N  
Well No. 1 in SE 1/4 SW 1/4 of Sec. 12, T. 7 N, R. 7 E, N. M. P. M., Torrance County.  
Lease 7 E, N. M. P. M., Torrance County.  
Well is 4180 feet south of the North line and 2980 feet west of the East line of Sec 12.  
If State land the oil and gas lease is No. 1 Assignment No. 1  
If patented land the owner is J. De Hart, Address 1201 E. T. 7 N  
If Government land the permittee is J. De Hart, Address 1201 E. T. 7 N  
The Lessee is Estancia Valley Carbon Dioxide Development Co., McIntosh, N. M.  
Drilling commenced February 19 19 30, Drilling was completed June 14 19 31  
Name of drilling contractor J. De Hart, Address 1201 E. T. 7 N  
Elevation above sea level at top of casing 2980 feet.  
The information given is to be kept confidential until 19 31.

### CARBON DIOXIDE GAS

No. 1, from 1222 to 1278 No. 4, from 1222 to 1278  
No. 2, from 1222 to 1278 No. 5, from 1222 to 1278  
No. 3, from 1222 to 1278 No. 6, from 1222 to 1278

### IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from 1222 to 1278 feet.  
No. 2, from 1222 to 1278 feet.  
No. 3, from 1222 to 1278 feet.  
No. 4, from 1222 to 1278 feet.

### CASING RECORD

| SIZE  | WEIGHT PER FOOT | THREADS PER INCH | MAKE | AMOUNT | KIND OF SHOE | CUT & FILLED FROM | PERFORATED FROM TO | PURPOSE |
|-------|-----------------|------------------|------|--------|--------------|-------------------|--------------------|---------|
| 6 5/8 | 20              |                  |      | 1222   | JLP          |                   |                    |         |
|       |                 |                  |      |        |              |                   |                    |         |
|       |                 |                  |      |        |              |                   |                    |         |
|       |                 |                  |      |        |              |                   |                    |         |
|       |                 |                  |      |        |              |                   |                    |         |
|       |                 |                  |      |        |              |                   |                    |         |
|       |                 |                  |      |        |              |                   |                    |         |
|       |                 |                  |      |        |              |                   |                    |         |
|       |                 |                  |      |        |              |                   |                    |         |
|       |                 |                  |      |        |              |                   |                    |         |

### MUDDING AND CEMENTING RECORD

| SIZE OF HOLE | SIZE OF CASING | WHERE SET | NO. SACKS OF CEMENT | METHOD USED | MUD GRAVITY | AMOUNT OF MUD USED |
|--------------|----------------|-----------|---------------------|-------------|-------------|--------------------|
| 6 5/8        | 1222           |           | 75                  | Halliburton |             |                    |

# PLUGS AND ADAPTERS

Heaving plug—Material ..... Length ..... Depth Set .....

Adapters—Material ..... Size .....

## RECORD OF SHOOTING OR CHEMICAL TREATMENT

| SIZE | SHELL USED | EXPLOSIVE OR<br>CHEMICAL USED | QUANTITY | DATE | DEPTH SHOT<br>OR TREATED | DEPTH CLEANED OUT |
|------|------------|-------------------------------|----------|------|--------------------------|-------------------|
|      |            |                               |          |      |                          |                   |
|      |            |                               |          |      |                          |                   |
|      |            |                               |          |      |                          |                   |
|      |            |                               |          |      |                          |                   |

Results of shooting or chemical treatment .....

.....

.....

## RECORD OF DRILL-STEM AND SPECIAL TESTS

If drill-stem or other special tests or deviation surveys were made, submit report on separate sheet and attach hereto.

### TOOLS USED

Rotary tools were used from ..... feet to ..... feet, and from ..... feet to ..... feet

Cable tools were used from ..... feet to ..... feet, and from ..... feet to ..... feet

### PRODUCTION

Put to producing ..... , 19.....

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

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

Rock pressure, lbs. per sq. in. ....

### EMPLOYEES

Ben Strotman ..... Driller

..... Driller

..... Driller

## FORMATION RECORD ON OTHER SIDE

I hereby swear or affirm that the information given herewith is a complete and correct record of the well and all work done on it so far as can be determined from available records.

Subscribed and sworn to before me this 8<sup>th</sup> day of February, 1946, at McIntosh, N. M. Feb. 1, 1946

Notary Public. Representing NEILL PATTERSON, Production Supt. Estancia Valley Carbon Dioxide Development Co., Company or Operator

My Commission expires 4-26-47 Address McIntosh, N. M.

| FROM | TO  | THICKNESS<br>IN FEET | FORMATION             |
|------|-----|----------------------|-----------------------|
| 0    | 5   | 5                    | Soil                  |
| 5    | 18  | 13                   | Red Pack Sand         |
| 18   | 30  | 12                   | Grey Lime Boulders    |
| 30   | 43  | 13                   | Bluelime              |
| 43   | 50  | 7                    | Lime, grey            |
| 50   | 60  | 10                   | Rock Red              |
| 60   | 72  | 12                   | Sand                  |
| 72   | 89  | 17                   | Rock Red              |
| 89   | 92  | 3                    | Sand                  |
| 92   | 113 | 21                   | Rock Red              |
| 113  | 121 | 8                    | Sand                  |
| 121  | 126 | 5                    | Slate                 |
| 126  | 136 | 10                   | Quick Sand            |
| 136  | 150 | 14                   | Shale                 |
| 150  | 153 | 3                    | Sand lime             |
| 153  | 167 | 14                   | Shale blue            |
| 167  | 177 | 10                   | Rock red              |
| 177  | 194 | 17                   | Lime grey             |
| 194  | 199 | 5                    | Clay yellow           |
| 199  | 207 | 8                    | Lime grey             |
| 207  | 214 | 7                    | Rock red              |
| 214  | 220 | 6                    | Sandy lime, grey      |
| 220  | 234 | 14                   | Rock red              |
| 234  | 242 | 8                    | Lime grey             |
| 242  | 288 | 46                   | Shale red             |
| 288  | 294 | 6                    | Lime sandy grey       |
| 294  | 321 | 27                   | Shale red             |
| 321  | 325 | 4                    | Lime blue             |
| 325  | 328 | 3                    | Shale blue            |
| 332  | 338 | 6                    | Lime sandy            |
| 338  | 352 | 14                   | Shale grey            |
| 352  | 362 | 10                   | Sand brown            |
| 362  | 368 | 6                    | Shale brown           |
| 368  | 390 | 22                   | Lime white            |
| 390  | 395 | 5                    | Shale blue            |
| 395  | 404 | 9                    | Lime blue             |
| 404  | 407 | 3                    | Shale grey            |
| 407  | 419 | 12                   | Lime grey             |
| 419  | 442 | 23                   | Sand grey             |
| 442  | 444 | 2                    | Shale black           |
| 444  | 452 | 8                    | Sand grey             |
| 452  | 453 | 1                    | Shale red             |
| 453  | 460 | 7                    | Lime brown            |
| 460  | 463 | 3                    | Sand grey             |
| 463  | 464 | 1                    | Shale red             |
| 464  | 476 | 12                   | Shale, sandy, black   |
| 476  | 480 | 4                    | Sand grey             |
| 470  | 476 | 6                    | Lime grey             |
| 476  | 480 | 4                    | Shale black           |
| 480  | 492 | 12                   | Lime, grey and black  |
| 492  | 493 | 1                    | Sand brown (soft)     |
| 493  | 524 | 31                   | Lime, black and sandy |
| 524  | 542 | 18                   | Shale, grey and sandy |
| 542  | 544 | 2                    | Sand, grey            |
| 544  | 550 | 6                    | Sand grey             |
| 550  | 557 | 7                    | Shale and lime shells |
| 557  | 574 | 17                   | Lime black            |
| 574  | 579 | 5                    | Red rock              |
| 579  | 632 | 53                   | Sand brown            |
| 632  | 643 | 11                   | Lime white            |
| 643  | 648 | 5                    | Shale black           |
| 648  | 655 | 7                    | Lime grey             |
| 655  | 657 | 2                    | Shale light           |

FIRST WATER

LOCATE WELL CORRECTLY  
AREA NO. 22

Well No. 1  
Company or Operator  
M. P. M. M.  
N. M. P. M. M.

(Record ahead of hole 61' at 483

|      |      |    |                           |
|------|------|----|---------------------------|
| 643  | 648  | 5  | Shale black               |
| 648  | 655  | 7  | Lime grey                 |
| 655  | 657  | 2  | Shale light               |
| 657  | 668  | 11 | Shale black,              |
| 668  | 676  | 8  | Sand brown                |
| 676  | 694  | 18 | Shale red and grey        |
| 694  | 723  | 29 | Shale grey                |
| 723  | 725  | 2  | Sand brown                |
| 725  | 732  | 7  | Lime black                |
| 732  | 739  | 7  | Shale black               |
| 739  | 751  | 12 | Lime black                |
| 751  | 755  | 4  | Red rock                  |
| 755  | 765  | 10 | Sand grey                 |
| 765  | 769  | 4  | Shale grey                |
| 769  | 777  | 8  | Lime black                |
| 777  | 781  | 4  | Shale black               |
| 781  | 800  | 19 | Sand grey                 |
| 800  | 805  | 5  | Shale greenish, sandy     |
| 805  | 810  | 5  | Sand light                |
| 810  | 835  | 25 | Lime black                |
| 835  | 841  | 6  | Shale black               |
| 841  | 845  | 4  | Lime white                |
| 845  | 848  | 3  | Shale black               |
| 848  | 851  | 3  | Lime black                |
| 851  | 854  | 3  | Shale black               |
| 854  | 858  | 4  | Sand grey                 |
| 858  | 860  | 2  | Shale light               |
| 860  | 872  | 12 | Sand grey                 |
| 872  | 875  | 3  | Shale light               |
| 875  | 887  | 12 | Red rock                  |
| 887  | 925  | 38 | Lime grey                 |
| 925  | 928  | 3  | Shale black               |
| 928  | 940  | 12 | Lime black                |
| 940  | 971  | 11 | Shale blue                |
| 971  | 976  | 5  | Sand white                |
| 976  | 981  | 5  | Sand greenish             |
| 981  | 997  | 16 | Red rock and blue shale   |
| 997  | 1008 | 11 | Sand                      |
| 1008 | 1033 | 25 | Shale black               |
| 1033 | 1040 | 7  | Sand grey                 |
| 1040 | 1057 | 17 | Lime grey                 |
| 1057 | 1060 | 3  | Shale black               |
| 1060 | 1064 | 4  | Sandy lime, shells, shale |
| 1064 | 1066 | 2  | Sand greenish             |
| 1066 | 1069 | 3  | Shale black               |
| 1069 | 1073 | 4  | Lime sandy grey           |
| 1073 | 1078 | 5  | Lime black                |
| 1078 | 1082 | 4  | Shale black               |
| 1082 | 1083 | 1  | Lime shell                |
| 1083 | 1088 | 5  | Shale blue                |
| 1088 | 1093 | 5  | Shale red                 |
| 1093 | 1096 | 3  | Broken sand & shale       |
| 1096 | 1104 | 8  | Sand grey                 |
| 1104 | 1110 | 6  | Lime shells & shale       |
| 1110 | 1124 | 14 | Lime black                |
| 1124 | 1158 | 34 | Shale black               |
| 1158 | 1165 | 7  | Sand grey                 |
| 1165 | 1195 | 30 | Shale black               |
| 1195 | 1198 | 3  | Sand grey                 |
| 1198 | 1218 | 20 | Shale talc                |
| 1218 | 1223 | 5  | Sand grey                 |
| 1223 | 1240 | 17 | Shale black               |
| 1240 | 1270 | 30 | Sandy lime                |
| 1270 | 1329 | 59 | Hard schist, red sharp    |
| 1329 | 1339 | 10 | Sand grey                 |

|      |      |    |                                                          |
|------|------|----|----------------------------------------------------------|
| 668  | 676  | 8  | Sand brown                                               |
| 676  | 694  | 18 | Shale red and grey                                       |
| 694  | 723  | 29 | Shale grey                                               |
| 723  | 725  | 2  | Sand brown                                               |
| 725  | 732  | 7  | Lime black                                               |
| 732  | 739  | 7  | Shale black                                              |
| 739  | 751  | 12 | Lime black                                               |
| 751  | 755  | 4  | Red rock                                                 |
| 755  | 765  | 10 | Sand grey                                                |
| 765  | 769  | 4  | Shale grey                                               |
| 769  | 777  | 8  | Lime black                                               |
| 777  | 781  | 4  | Shale black                                              |
| 781  | 800  | 19 | Sand grey                                                |
| 800  | 805  | 5  | Shale greenish, sandy                                    |
| 805  | 810  | 5  | Sand light                                               |
| 810  | 835  | 25 | Lime black                                               |
| 835  | 841  | 6  | Shale black                                              |
| 841  | 845  | 4  | Lime white                                               |
| 845  | 848  | 3  | Shale black                                              |
| 848  | 851  | 3  | Lime black                                               |
| 851  | 854  | 3  | Shale black                                              |
| 854  | 858  | 4  | Sand grey                                                |
| 858  | 860  | 2  | Shale light                                              |
| 860  | 872  | 12 | Sand grey                                                |
| 872  | 875  | 3  | Shale light                                              |
| 875  | 887  | 12 | Red rock                                                 |
| 887  | 925  | 38 | Lime grey                                                |
| 925  | 928  | 3  | Shale black                                              |
| 928  | 940  | 12 | Lime black                                               |
| 940  | 971  | 31 | Shale blue                                               |
| 971  | 976  | 5  | Sand white                                               |
| 976  | 981  | 5  | Sand greenish                                            |
| 981  | 997  | 16 | Red rock and blue shale                                  |
| 997  | 1008 | 11 | Sand                                                     |
| 1008 | 1033 | 25 | Shale black                                              |
| 1033 | 1040 | 7  | Sand grey                                                |
| 1040 | 1057 | 17 | Lime grey                                                |
| 1057 | 1060 | 3  | Shale black                                              |
| 1060 | 1064 | 4  | Sandy lime, shells, shale                                |
| 1064 | 1066 | 2  | Sand greenish                                            |
| 1066 | 1069 | 3  | Shale black                                              |
| 1069 | 1073 | 4  | Lime sandy grey                                          |
| 1073 | 1078 | 5  | Lime black                                               |
| 1078 | 1082 | 4  | Shale black                                              |
| 1082 | 1083 | 1  | Lime shell                                               |
| 1083 | 1088 | 5  | Shale blue                                               |
| 1088 | 1093 | 5  | Shale red                                                |
| 1093 | 1096 | 3  | Broken sand & shale                                      |
| 1096 | 1104 | 8  | Sand grey                                                |
| 1104 | 1110 | 6  | Lime shells & shale                                      |
| 1110 | 1124 | 14 | Lime black                                               |
| 1124 | 1158 | 34 | Shale black                                              |
| 1158 | 1165 | 7  | Sand grey                                                |
| 1165 | 1195 | 30 | Shale black                                              |
| 1195 | 1198 | 3  | Sand grey                                                |
| 1198 | 1218 | 20 | Shale talc                                               |
| 1218 | 1223 | 5  | Sand grey                                                |
| 1223 | 1240 | 17 | Shale black                                              |
| 1240 | 1270 | 30 | Sandy lime                                               |
| 1270 | 1329 | 59 | Hard schist, red sharp                                   |
| 1329 | 1339 | 10 | Sand grey                                                |
| 1339 | 1408 | 69 | Hard schist at 1408 (record ahead of hole at 1336' 12'.) |