



SINCLAIR OIL & GAS COMPANY

P. O. Box 1470
MIDLAND, TEXAS 79701

November 7, 1967

WTF - 275
New Mex 73

WEST TEXAS REGION

New Mexico Oil Conservation Commission
Santa Fe, New Mexico

Attention Secretary-Director

'67 Nov 8 PMD

Reference: Approval of a Waterflood Project
Order No. R2376, June 21, 1962
Case R-2268

Gentlemen:

Sinclair Oil & Gas Company respectfully requests administration permission under Statewide Rule 701, E-5, to convert its H. E. West "B" Lease Well No. 12, located in Section 9, T-17S-R-31E, Grayburg-Jackson Pool, Eddy County, New Mexico, to a water injection well.

Well No. 12 has been producing from the Grayburg formation at a depth of 3158-3800'. Injection will be made at this depth. A mixture of fresh and produced water will be injected into this well. The anticipated volumes to be injected will be 300 barrels per day, and this water will be furnished from water supply wells and produced water from surrounding oil wells.

The attached tabulation reflects the production history of this well as reported on the C-115.

It will be noted a substantial oil response was noted in September, 1964, and a substantial water response was noted in October, 1964.

All offsetting operators and the State Engineering Office will be notified by letter this date.

Sincerely,

R. M. Anderson
Region Regulatory Engineer

RMA/CO/oc

cc: New Mexico Oil Conservation Commission (2)
Santa Fe, New Mexico

Sinclair Oil & Gas Company
Hobbs, New Mexico

New Mexico Oil Conservation Commission
Page No. 2
November 7, 1967

ccs: Kersey & Company
808 West Grand
Artesia, New Mexico

Skelly Oil Company
P. O. Box 730
Hobbs, New Mexico

Sunray DX Oil Company
500 Vaughn Building
Midland, Texas 79701

State Engineer Office
Capitol Building
Santa Fe, New Mexico

Superior Oil Company
P. O. Box 1900
Midland, Texas 79701

File

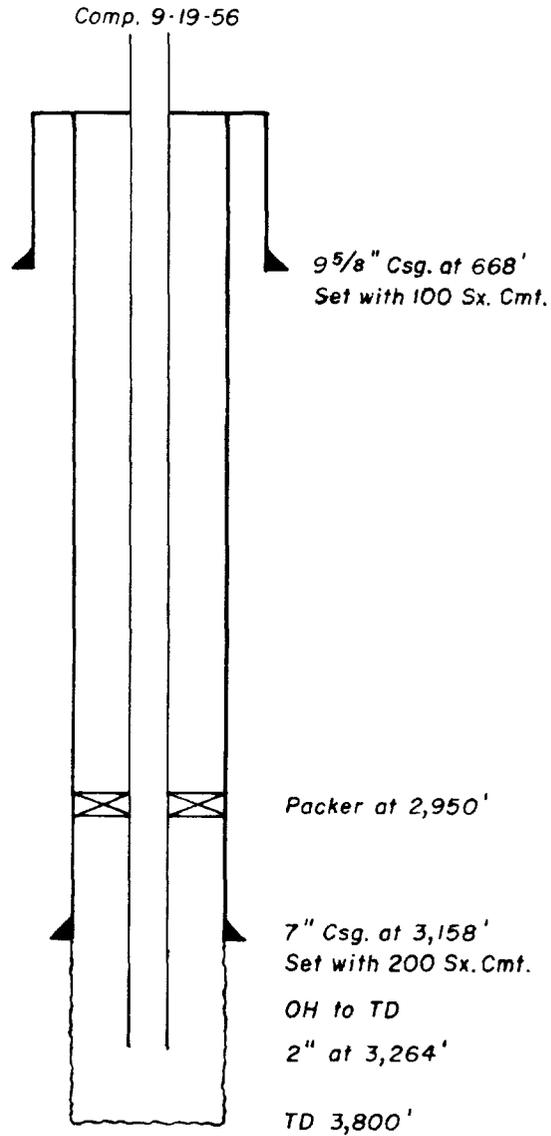
SINCLAIR OIL & GAS COMPANY
H. E. West "B" #12
PRODUCTION HISTORY

| <u>1963</u> | <u>Oil</u> | <u>Gas</u> | <u>Water</u> |
|-------------|------------|------------|--------------|
| January | 93 | 156 | 0 |
| February | 98 | 202 | 0 |
| March | 75 | 249 | 0 |
| April | 58 | 251 | 0 |
| May | 93 | 302 | 0 |
| June | 60 | 202 | 0 |
| July | 83 | 262 | 0 |
| August | 58 | 145 | 0 |
| September | 90 | 145 | 0 |
| October | 93 | 158 | 0 |
| November | 87 | 155 | 0 |
| December | 99 | 176 | 0 |
| <u>1964</u> | | | |
| January | 131 | 124 | 0 |
| February | 90 | 206 | 0 |
| March | 97 | 230 | 0 |
| April | 90 | 231 | 0 |
| May | 87 | 222 | 0 |
| June | 46 | 149 | 0 |
| July | 66 | 154 | 0 |
| August | 61 | 134 | 0 |
| September | 160 | 154 | 0 |
| October | 244 | 88 | 644 |
| November | 286 | 91 | 724 |
| December | 335 | 66 | 957 |
| <u>1965</u> | | | |
| January | 53 | 67 | 283 |
| February | 108 | 111 | 302 |
| March | 294 | 256 | 520 |
| April | 328 | 260 | 738 |
| May | 334 | 314 | 752 |
| June | 352 | 439 | 792 |
| July | 281 | 184 | 1489 |
| August | 379 | 248 | 1642 |
| September | 292 | 172 | 4468 |
| October | 21 | 19 | 2184 |
| November | 26 | 22 | 5668 |
| December | 31 | 25 | 6944 |

SINCLAIR OIL & GAS COMPANY
H. E. West "B" #12
PRODUCTION HISTORY

| <u>1966</u> | <u>Oil</u> | <u>Gas</u> | <u>Water</u> |
|-------------|------------|------------|--------------|
| January | 33 | 13 | 7590 |
| February | 61 | 27 | 14640 |
| March | 35 | 15 | 8400 |
| April | 44 | 29 | 10560 |
| May | 21 | 12 | 5040 |
| June | 36 | 26 | 8640 |
| July | 23 | 15 | 55 |
| August | 0 | 0 | 7657 |
| September | 0 | 0 | 7350 |
| October | 0 | 0 | 7781 |
| November | 0 | 0 | 7350 |
| December | 0 | 0 | 7595 |
| <u>1967</u> | | | |
| January | 0 | 0 | 7595 |
| February | 0 | 0 | 6860 |
| March | 0 | 0 | 7595 |
| April | 0 | 0 | 7350 |
| May | 0 | 0 | 6231 |
| June | 37 | 0 | 7844 |
| July | 22 | 8 | 4884 |
| August | 24 | 9 | 5544 |
| September | 28 | 11 | 6468 |
| October | | | |

DIAGRAMMATIC SKETCH OF
PROPOSED INSTALLATION



SINCLAIR OIL & GAS CO.
NO. 12 H. E. WEST "B"
1980' FNL & 1980' FEL, SECTION 9, T-17-S R-31-E
GRAYBURG-JACKSON POOL
EDDY COUNTY, NEW MEXICO

5FOCC
Jim Kapteina



SINCLAIR OIL & GAS COMPANY

P. O. Box 1470
MIDLAND, TEXAS 79701

November 7, 1967

RECEIVED

67 Nov 8 PM 1 00

WEST TEXAS REGION

New Mexico Oil Conservation Commission
Santa Fe, New Mexico

NOV 15 1967

O. O. O.
ARTESIA, OFFICE

Attention Secretary-Director

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Sincerely,

R. M. Anderson
Region Regulatory Engineer

67 Nov 20 PM 5 10

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RMA/CO/oc

cc: New Mexico Oil Conservation Commission (2)
Santa Fe, New Mexico

Sinclair Oil & Gas Company
Hobbs, New Mexico

Xerox Copy
For Jim Kapteina
No objection to
This application from
JH/1/1

Reproduced By
West Texas Electrical Log Service

Dallas 2, Texas

REFERENCE N° A 5797 -C



*Radioactivity
 Log*

| | | |
|--|---|---------------|
| COMPANY: SINGLAR OIL & GAS CO. NO. 12 WELL: H. E. WEST "D" NO. 12 FIELD: SQUARE LAKE LOCATION: 1/4 OF SECTION 9, T-17-S, R-11-E COUNTY: HALL STATE: N. MEX. | COMPANY: SINGLAR OIL & GAS COMPANY | Well Location |
| | WELL: H. E. WEST "D" NO. 12 | |
| | FIELD: SQUARE LAKE | |
| | LOCATION: 1/4 OF SECTION 9, T-17-S, R-11-E | |
| LOG ZERO: GROUND LEVEL | ELEV.# | |
| DRLG ZERO: GROUND LEVEL | ELEV.# | |
| PEEM. DATUM: GROUND LEVEL | ELEV.# | |

| TYPE OF LOG | GANGA. BAY | REVISION | ATMOSPHERIC CORRECTION |
|------------------------------|------------------|------------------|------------------------|
| UN. NO. | 000-00 | 000-00 | |
| DATE | 8-26-56 | 8-26-56 | |
| TOTAL DEPTH (DRILLER) | 3800 | 3800 | |
| EFFECTIVE DEPTH (DRILLER) | 3800 | 3800 | |
| TOP OF LOGGED INTERVAL | SURFACE | SURFACE | |
| OTTOM OF LOGGED INTERVAL | 3707 | 3800 | |
| TYPE OF FLUID IN HOLE | OIL & WATER | OIL & WATER | |
| FLUID LEVEL | 3700 | 3700 | |
| MAXIMUM RECORDED TEMP. | | 6000 | |
| SOURCE STRENGTH & TYPE | | 8.25 | |
| SOURCE SPACING - IN. | 36" | 9.3" | |
| LENGTH OF MEAS. DEVICE - IN. | 1 5/8" | 1 5/8" | |
| I.D. OF INSTRUMENT - IN. | 5.0 | 4.4 | |
| TIME CONSTANT - SECONDS | 20-40 | 20-40 | |
| LOGGING SPEED FT./MIN. | | | |
| STATISTICAL VARIATION - IN. | 27% | 27% | |
| SENSITIVITY REFERENCE | | | |
| RECORDED BY | INDEPENDENT HALL | INDEPENDENT HALL | |
| VITNESSED BY | | | |

| WELL RECORD | | | |
|-------------|----------|----------------|-----------------|
| RUN | BIT SIZE | CASING WT.-LB. | FROM LOG |
| ONE | 9 5/8" | | SURFACE TO 640 |
| ONE | 7" | 20 | SURFACE TO 3136 |
| ONE | | | 3136 TO 3800 |
| | | | TO TC |
| | | | TO |

REMARKS OR OTHER DATA

* REMARKS INDICATE TYPE OF LOGGING SERVICE.

COMPLETION RECORD

SPUD DATE _____

COMP DATE _____

DST RECORD _____

LARGE FORMAT
EXHIBIT HAS
BEEN REMOVED
AND IS LOCATED
IN THE NEXT FILE