



SINCLAIR OIL & GAS COMPANY

P. O. Box 1470  
MIDLAND, TEXAS 79701

November 7, 1967

WIFX-275  
Nov Nov 73

WEST TEXAS REGION

New Mexico Oil Conservation Commission  
Santa Fe, New Mexico

Attention Secretary-Director

67 Nov 8 PM 10

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

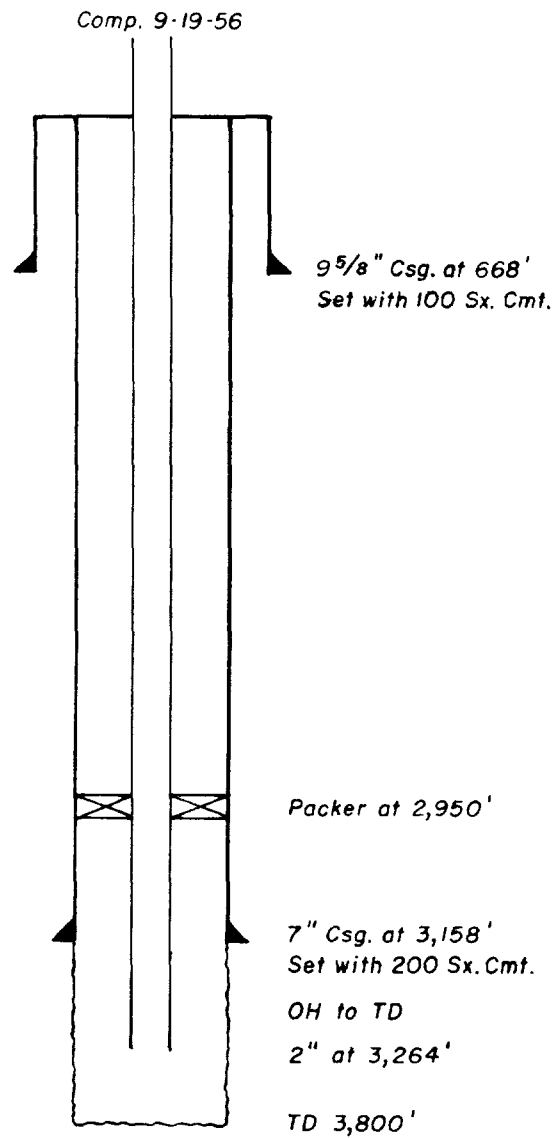
SINCLAIR OIL & GAS COMPANY  
H. E. West "B" #12  
PRODUCTION HISTORY

<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



SINCLAIR OIL & GAS COMPANY

P. O. Box 1470  
MIDLAND, TEXAS 79701

November 7, 1967

RECEIVED

67 Nov 8 PM 1 0

WEST TEXAS REGION

New Mexico Oil Conservation Commission  
Santa Fe, New Mexico

NOV 15 1967

Attention Secretary-Director

O. O. O.  
ARTESIA, OFFICE

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Region Regulatory Engineer

RMA/CO/oc

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

Sinclair Oil & Gas Company  
Hobbs, New Mexico

Xerox Copy  
To Tim Kapteina  
No objection to  
this application.  
JH/11

Reproduced By

Dallas 2, Texas

REFERENCE N° A 5797 -C



# Radioactivity Log

COMPANY: <b>SIMILAR OIL &amp; GAS COMPANY</b> WELL: <b>N. E. WEST "3" NO. 12</b> FIELD: <b>SQUARE LOTS</b> LOCATION: <b>NE 1/4 OF SECTION 9, T-17-S, R-31-E</b> COUNTY: <b>KENT</b> STATE: <b>N. HAN.</b>	Well Location					
	LOG ZERO	GROUND LEVEL	ELEV. #			
	DRUG ZERO	GROUND LEVEL	ELEV. #			
	PERM. DATUM	GROUND LEVEL	ELEV. #			
TYPE OF LOG UNINO. DATE: <b>SAND LITH</b> TOTAL DEPTH (DRILLER) EFFECTIVE DEPTH (DRILLER) 'OP OF LOGGED INTERVAL OTTOM OF LOGGED INTERVAL TYPE OF FLUID IN HOLE LUID LEVEL MAXIMUM RECORDED TEMP. SOURCE STRENGTH & TYPE SOURCE SPACING - IN. LENGTH OF MEAS. DEVICE - IN. I.D. OF INSTRUMENT - IN. TIME CONSTANT - SECONDS LOGGING SPEED FT./MIN. STATISTICAL VARIATION - IN. SENSITIVITY REFERENCE	GAIN. DAY ONE-TH 8-16-56 3000 3000 3000 SURFACE 3700 3000 OIL & 3700 3700 6000 1.5 9.5 3 5/8 3 5/8 5.0 1.0 20-10 20-10 275 275 DEPTH IN HALL	HOLLOW ONE-TH 8-16-56 3000 3000 3000 SURFACE 3700 3000 WATER 3700 6000 1.5 9.5 3 5/8 3 5/8 5.0 1.0 20-10 20-10 275 275 DEPTH IN HALL	ATTACHED TO MAINS OF DEVIATION			
RECORDED BY WITNESSED BY	DEPTH IN HALL	DEPTH IN HALL				
WELL RECORD						
RUN	BIT SIZE	CASING	WT.-LB.	FROM WELL	RECORD	FROM LOG
ONE		9 5/8"		SURFACE	TO 660	SURFACE TO 100
ONE		"	20	SURFACE	TO 210	SURFACE TO 210
ONE				210	TO 210	210 TO 210
				TO	TO	TO

REMARKS ON OTHER DATA

• **FLIGHTS AVAILABLE,  
TUE 6-10 PM EST. ORDER.**

## COMPLETION RECORD

SPUD DATE

COMP DATE

DST RECORD

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