



WFX-1957
JAN 4 1965
SINCLAIR OIL & GAS COMPANY

Box 1920
Hobbs, New Mexico
December 30, 1964

New Mexico Oil Conservation Commission
P. O. Box 2088
Santa Fe, New Mexico

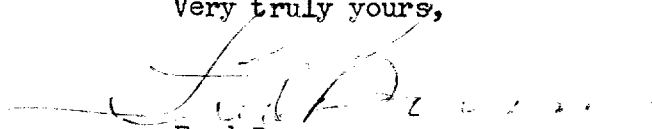
Re: Keel-West Waterflood
Grayburg Jackson Pool
Eddy County, New Mexico

Gentlemen:

Order No. R-2268-A provides for the expansion of the subject waterflood. The STAGE III expansion portion of the order provides for the conversion of H. E. West "A" Well No. 1, Unit C, Section 3. The H. E. West "A" Well No. 1 is a plugged and abandoned well and re-entry for injection was not believed to be economical. A replacement well, H. E. West "A" No. 13, was drilled in Unit C, Section 3. It is requested that the H. E. West "A" Well No. 13 be substituted for H. E. West "A" Well No. 1 as an injection well.

Attached are forms with additional information on the new well. We regret the delay in notification of the substitution. If further information is necessary, please advise.

Very truly yours,


Fred Burns
District Superintendent

FB:IB:jl

Attachments

Orig. & cc: OCC-Santa Fe
cc: OCC-Artesia
cc: BPS, File

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

See other instructions
on back of formForm approved
Budget Bureau No. 42 R3-5.7

LEASE DESIGNATION AND SERIAL NO.

Las Cruces 029426 (a)

INDIAN, ALL TIME OR TRUE NAME

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL:		OIL WELL <input type="checkbox"/>	GAS WELL <input type="checkbox"/>	DRY <input type="checkbox"/>	Other <input type="checkbox"/>		
b. TYPE OF COMPLETION:		NEW WELL <input type="checkbox"/>	WORK OVER <input type="checkbox"/>	DEEP EN <input type="checkbox"/>	PLUG BACK <input type="checkbox"/>	DEEP RESERVE <input type="checkbox"/>	Other <input checked="" type="checkbox"/> Injection
2. NAME OF OPERATOR Sinclair Oil & Gas Company							
3. ADDRESS OF OPERATOR P. O. Box 1930, Hobbs, New Mexico							
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements): At surface 900' from north line and 2310' from west line of Sec. 3-T17S-R31E, Eddy County., New Mexico At top prod. interval reported below At total depth							
14. PERMIT NO.		DATE ISSUED		12. COUNTY OR TERRITORY Eddy		13. STATE New Mexico	
15. DATE SPUNDED 10-11-64		16. DATE TOP REACHED 10-27-64		17. DATE COMPLETION (Ready to produce) 10-31-64		18. ELEVATION (DEFEATED) (FEET) 3700' OR	
20. TOTAL DEPTH, MD & TVD 3700'		21. PLUG BACK T.D., MD & TVD 3695'		22. IF MULTIPLE COMPLETIONS, HOW MANY?		23. INTERVAL (FEET) BETWEEN TOOLS 0-3700'	
24. INTERVAL (FEET) OF THIS COMPLETION, TOP, BOTTOM, NAME (MD AND TVD) Injection Square Lake 3419-3428', Fremder 3474-78', 3500-3503', 3513-3517', 3537-3539', 3542-45', Lovington 3671-3686'.		25. WAS DIRECTIONAL SURVEY MADE? Yes					
26. TYPE ELECTRIC AND OTHER LOGS RUN Gamma Ray Neutron Collar		27. WAS WELL CORRED? Yes					
28. CASING RECORD (Report all strings set in well)							
CASING SIZE	WEIGHT, LB. FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING METHOD	AMOUNT CEMENT		
8-5/8" CC	26	355'	11"	220 lbs, 2X Tech 1			
4-1/2"	9.5	3700'	6-3/4"	320 lbs, 45 gal			
29. LINER RECORD							
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT	SCREEN (MD)			
30. TUBING RECORD							
SIZE	DEPTH SET (MD)	PACKER SET (MD)					
2-3/8"	3385'	3385'					
31. PERFORATION RECORD (Interval, size and number)							
2 shots per. ft. 1/2" Jet (80 holes)							
3419-3428' Square Lake							
3474-78', 3500-3503', 3513-17', 3537-39' &							
3542-45' Fremder							
3671-86' Lovington							
32. ACID, SHOT FRACTURE CEMENT SQUEEZE, ETC.							
DEPTH INTERVAL (MD)				AMOUNT AND KIND OF MATERIAL USED			
3671-3686'				500 gals. NA			
3474-3545'				650 gals. NA			
3419-3428'				250 gals. NA			
33. PRODUCTION							
DATE FIRST PRODUCTION 10-31-64							
PRODUCTION METHOD (Flowing, gas lift, pumping) size and type of pump. Injection							
WELL STATUS (Producing or shut in) Injection							
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD. FOR TEST PERIOD	OIL FRI.	GAS FRI.	WATER FRI.	GAS-OIL RATIO
FLOW TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL FRI.	AND GEL			OIL GRAVITY-APPROX. CORR.
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)							
35. LIST OF ATTACHMENTS Directional Survey							
36. I hereby certify that the foregoing and attached information is complete and correct as detailed.							
District Superintendent							
11-3-64							

ILLEGIBLE

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT
SEE INSTRUCTIONS FOR COMPLETING THIS FORM ON THE REVERSE SIDE

FORM C-128
Revised 5/1/57

SANTA FE	
FILE	
DATE	
LAND OFFICE	
TRANSFER	OIL BAR
PRODUCTION OFFICE	
OPERATOR	

SECTION A

Operator Sinclair Oil & Gas Company		Lease H. E. West "A"		Well No. 13
Unit Letter C	Section 3	Township 17-South	Range 31-East	County Eddy
Actual Footage Location of Well: 900 feet from the North line and 2310 feet from the West line				
Ground Level Elev.	Producing Formation Grayburg-San Andres	Pool Grayburg-Jackson	Dedicated Acreage: 40 Acres	

1. Is the Operator the only owner in the dedicated acreage outlined on the plat below? YES ☒ NO ☐ "Owner" means the person who has the right to drill into and to produce from any pool and to appropriate the production either for himself or for himself and another. (65-3-29 (e) NMSA 1935 (comp).)
2. If the answer to question one is "no," have the interests of all the owners been consolidated by communitization agreement or otherwise? YES ☐ NO ☐ If answer is "yes," Type of Consolidation _____
3. If the answer to question two is "no," list all the owners and their respective interests below:

Owner	Land Description

SECTION B

2310	3		

ILLEGIBLE

CERTIFICATION

I hereby certify that the information in SECTION A above is true and complete to the best of my knowledge and belief.

Name W. F. Mullidge
Position Asst. Div. Prod. Supt.
Company Sinclair Oil & Gas Co.
Date September 29, 1964

WFM

I hereby certify that the well location shown on the plat in SECTION B was plotted from field notes of actual surveys made by me or under my supervision and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
Registered Professional Engineer and/or Land Surveyor

Certificate No. 676

0 330 660 990 1320 1650 1980 2310 2640 2970 3300 3630 3960 4290 4620 4950 5280 5610 5940 6270 6600

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☐GAS
WELL ☐

OTHER

Injection

SINGLE
ZONE ☐MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Sinclair Oil & Gas Company

3. ADDRESS OF OPERATOR

P. O. Box 1470, Midland, Texas

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

900' fr North line and 2310' fr West line of

At proposed prod. zone

Sec. 3-17S-31E, Eddy County, New Mexico

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. line, if any)

16. NO. OF ACRES IN LEASE

639.56

17. NO. OF ACRES ASSIGNED

TO THIS WELL
40

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

3,600'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

3700'

22. APPROX. DATE WORK WILL START*

Upon Approval

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
11"	8-5/8" OD	24#	600'	300 Sacks
6-3/4"	4-1/2" OD	9.5#	3600'	175 Sacks

Propose to drill an Injection well in a Waterflood project to the Grayburg-San Andres Formation.

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IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

J. F. [Signature]

TITLE Ass't. Div. Prod. Supt.

DATE September 29, 1964

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE



STATE OF NEW MEXICO

STATE ENGINEER OFFICE

SANTA FE

S. E. REYNOLDS
STATE ENGINEER

January 5, 1965

ADDRESS CORRESPONDENCE TO:
STATE CAPITOL
SANTA FE, N. M.

87501

Mr. A. L. Porter, Jr.
Secretary-Director
Oil Conservation Commission
Santa Fe, New Mexico

Dear Mr. Porter:

Enclosed herewith is a copy of a letter from Sinclair Oil and Gas Company referring to their Keel-West Waterflood, Grayburg Jackson Pool, Eddy County, New Mexico. The attached forms referred to in the second paragraph are not legible and I can determine nothing from examining the well completion report.

I have reviewed my notes on Case 2909 which was heard on September 25, 1963 and Order R-2268-A which was issued as a result of this hearing. Mr. Cunningham was Sinclair's expert witness at the hearing and Mr. Charles White of Gilbert, White and Gilbert was attorney for Sinclair. My notes indicate that packers and tubing will be used on all injection wells, as in injection wells in use at that time.

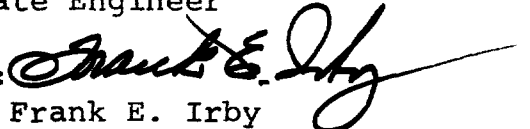
Item 3 of Order R-2268-A states "That the applicant shall not utilize any casing or tubing program in expansion of the waterflood project as approved by this order unless the Commission and the State Engineer have approved said casing or tubing program."

This office offers no objection to the granting of the replacement wells for injection purposes provided injection is through

tubing under packer with the packer set well below the top
of the cement surrounding the long string.

Yours truly,

S. E. Reynolds
State Engineer

By: 
Frank E. Irby
Chief
Water Rights Div.

FEI/ma
cc-F. H. Hennighausen
Fred Burns