

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.
5. LEASE DESIGNATION AND SERIAL NO.

Las Cruces 029435 (a)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Sinclair Oil Corporation Merged
Into Atlantic Richfield Company
Effective March 4, 1964

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

J. L. Keel "A"

9. WELL NO.

12

10. FIELD AND POOL, OR WILDCAT

Grayburg-Jackson

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

7-T178-R31E NM PM

12. COUNTY OR PARISH

Eddy

13. STATE

New Mexico

SUNDRY NOTICES AND REPORTS ON WELLS
(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT" for such proposals.)

1. OIL WELL ☒ GAS WELL ☐ **Water Injection**
2. NAME OF OPERATOR **SINCLAIR OIL CORPORATION**
3. ADDRESS OF OPERATOR **P. O. Box 1920, Hobbs, New Mexico**
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface
**660' from North line and 660' from East line of
Section 7-T178-R31E, Eddy County, New Mexico**
14. PERMIT NO.
15. ELEVATIONS (Show whether DF, RT, GR, etc.)
3745' GR
DEC 23 1964
O. C. C.
ARTESIA, OFFICE

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

Deepen, set tag, treat, convert to MW

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

11-3-64 Move in and rig up cable tools.

11-6-64 to

11-26-64 Drilled Gray lime and Dolomite. Deepened from 3610' to 3610'

11-27-64 to

12-9-64 Injected fresh water into open hole 2853'-3610'.

12-10-64 Set 3610' 4-1/2" CD Casing and cemented w/325 sks. Inner plus 45 gal & 3/4" CFR2 per. sk. Did not circulate. Temperature survey indicated cement behind 4-1/2" 1960' from surface.

12-11-64 WOC 24 hrs.

12-12-64 Tested casing, bailed hole dry, tested in 1 hr. Tested dry.

12-13-64 Jet perf. Motex 2954-59', Sq. Lake 2990-3000', Vacuum 3177-88', Jackson 3388-92', 3409-16', 3485-90', 3505-08', 3515-19', 3538-50', 3574-78', 3584-88' w/136 - 3/8" holes.

12-13-64 Treated Jackson perfs. 3574-78', 3584-88' w/250 gals. HDA Max. Press. 2000#, Min. 1500#, Avg. press. 1700#, ISIP 1300# in 10 min. SIP 1050#, Inj. rate 3 BPM. Treated Jackson perfs. 3538-50' w/250 gals. HDA Max. Press. 2450#, Min. 2000#, Avg. Press. 2200#, ISIP 1300#, 10 min. SIP 1100#, Inj. rate 3BPM. Acidize Jackson perfs. 3505-08', 3515-19' w/250 gal. HDA Max. Press. 2000#, Min. 900# @ 3 BPM. Inst. SIP 1200#, 10 min. SIP 1100#. Acidize Jackson perf. 3485-90' w/150 gal. HDA Max. Press. 3700#, Min. 1700# @ 1.9 BPM Inst. SIP 1300#, vacuum 4". Acidize perfs. 3409-16', 3388-92' w/300 gal. HDA Max. Press. 3300#, Min. 3000#, @ 2.5 BPM, Inst SIP 2300# 10 min. SIP 1600#.

(Cont'd on Back)

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE

Dist. Supt./

DATE

12-16-64

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

Originals: USGS, Artesia
cc: Mr. R.F. Sawyer
cc: file

APPROVED
DEC 22 1964
H. J. S. ENGINEER

See Instructions on Reverse Side

Instructions

General: This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 17: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by local Federal and/or State office. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones, or other zones with present or potential significance; fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well sealed. Conditioned for final inspection looking to approval of the abandonment.

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perfs. 3177-88' w/500 gal. MDA Max. Press. 3000#, Min. 2900# @ 3.5 BPM
M.A. wash Square Lake perfs. 2990-3000' w/150 gals. Max. Press. 1700#,
Min. 1150# @ 3 BPM, Inst. SIP1050#, vacuum 6". M.A. wash Metex perfs.
2954-59' w/150 gal. Max. Press. 1800#, Min. 1200# @ 4 BPM. Inst SIP
900#, 10 min. SIP 1800#.
12-14-64 Injected 325 bbl. fresh water into Grayburg-Jackson thru
perforations 2954' to 3528' in 8 hours w/pressure of 715#.
Recompleted as water injection well in Keel-West Water-flood
Area.