Form 9-330
(Rev. 5-63)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE (See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

5. LEASE DESIGNATION AND SERIAL NO.: LC 071900-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ DRY ☐ Other Salt Water Disposal

7. UNIT AGREEMENT NAME:

b. TYPE OF COMPLETION: NEW WELL ☐ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other Re-entry F/SWDW

8. FARM OR LEASE NAME: Lea 6015 ARC Federal

2. NAME OF OPERATOR: SINCLAIR OIL CORPORATION (Sinclair Oil Corporation Merged into Atlantic Richfield Company effective March 4, 1969)

9. WELL NO.: 1

3. ADDRESS OF OPERATOR: P. O. Box 1920, Hobbs, New Mexico 88240

10. FIELD AND POOL, OR WILDCAT: West Teas

4. LOCATION OF WELL (*Report location clearly and in accordance with any State requirements*)*
At surface: 660' FSL & 1980' FEL
At top prod. interval reported below: same
At total depth: 660' FSL & 1980' FEL

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: 9-T20S-R33E

14. PERMIT NO.: DATE ISSUED:

12. COUNTY OR PARISH: Lea

13. STATE: New Mexico

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (*Ready to prod.*)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD
		12-23-68 Dispose	3541' GR	

20. TOTAL DEPTH, MD & TVD	21. PLUG, BACK T.D., MD & TVD	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
3300'	3240'		→	0-3240'	

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
Inj.
3110-3214' Yates

25. WAS DIRECTIONAL SURVEY MADE: Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN: None

27. WAS WELL CORED: No

28. CASING RECORD (*Report all strings set in well*)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9-5/8"OD	32.30#	1357'	12-1/4"	734 sacks circulated	None
7"OD	20#	3022'	8-3/4"	474 sacks circulated	None

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
5"OD	2974'	3300'	50	

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-3/8"OD	3103'	3103'

31. PERFORATION RECORD (*Interval, size and number*)
3110-17, 3122-30' w/30 1/2" holes.
3199-3214 w/2 shots per/ft.
3180-3195' w/2 - 1/2"shots per/ft.

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
3110-3214'	500 gals. N.A.
3110-3214'	2000 gals. 15% Reg. Acid

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (*Flowing, gas lift, pumping—size and type of pump*)	WELL STATUS (*Producing or shut-in*)
SWDW	Injecting (SWDW)	SI

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)

34. DISPOSITION OF GAS (*Sold, used for fuel, vented, etc.*)

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED [signature] TITLE Superintendent DATE 1-2-69

*(See Instructions and Spaces for Additional Data on Reverse Side)

Orig & 4cc: USGS, Hobbs
cc: Southern Region (West Texas)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws 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. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

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 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: *"Sacks Cement":* Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP MEAS. DEPTH	TOP TRUE VERT. DEPTH

U.S. GOVERNMENT PRINTING OFFICE: 1963—O-683636

Form 9-331
(May 1963)

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.: LC 071900-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME:

8. FARM OR LEASE NAME: Lea 6015 ARC Federal

9. WELL NO.: 1

10. FIELD AND POOL, OR WILDCAT: West Teas

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: 9-T20S-R33E

12. COUNTY OR PARISH: Lea

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 ☐ OTHER: Saltwater Disposal

2. NAME OF OPERATOR: SINCLAIR OIL CORPORATION

3. ADDRESS OF OPERATOR: P. O. Box 1920, Hobbs, New Mexico 88240

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: 660' FSL & 1980' FEL

14. PERMIT NO.:

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 3541' GR

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

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	☐	PULL OR ALTER CASING	☐	WATER SHUT-OFF	☐	REPAIRING WELL	☐
FRACTURE TREAT	☐	MULTIPLE COMPLETE	☐	FRACTURE TREATMENT	☐	ALTERING CASING	☐
SHOOT OR ACIDIZE	☐	ABANDON*	☐	SHOOTING OR ACIDIZING	☐	ABANDONMENT*	☐
REPAIR WELL	☐	CHANGE PLANS	☐	(Other) Re-enter P&A well & convert			x to SWDW
(Other)				(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.)*

12-1-68 to 12-9-68 Removed dry hole marker and drilled cement plugs and washed to PBD 3240'. Pressure tested casing and liner to 800# for 30 mins. Tested O.K. Ran 2-7/8"OD tubing & Baker Packer Model AD-1 plastic coated to 3054'. M. A. washed Yates perfs. 3110-3214' w/500 gals. Max. Press. 3400#, Min. 2100# @ 1.5 BPM. ISIP 2100#, 10" Press. 1000#. Ran injection tests as follows: 1/2 BPM, 14 Bbls. @ 2000#. 1 BPM, 29 bbls. @ 2100#, 1½ BPM, 44 bbls. @ 2300#.

12-22-68 Pulled 2-7/8"OD tubing and packer and perf. additional holes 3180-3195' w/2-1/2" jet slots/foot (total 30 shots) Ran 2-3/8"OD 4.7# Duo-lined coated tubing set in Model AD Plastic coated packer @ 3103' w/7000# tension. Circulated annulus w/treated fresh water. Treated perfs. 3110-3117', 3122-3130', 3180-3195', 3199-3214' w/2000 gals. 15 % Reg. acid & 200# rock salt Max. Press. 3800#, Min. 2000# @ 4 BPM. ISIP 2200#, 5" SIP 2000#, no breaks Injection rates ran as follows: 1 BPM for 15 mins. Total 15 bbls. @ 2000#. 1/2 BPM for 15 mins. Total 7½ bbls. @ 1900#. 2 BPM for 15 mins. Total 30 bbls. @ 2500#. Converted P&A Lea 6015 ARC Federal #1 well to Salt Water Disposal Well as the West Teas Salt Water Disposal System effective 12-23-68.

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

SIGNED: [signature] TITLE: Superintendent DATE: 1-2-69

(This space for Federal or State office use)

APPROVED BY: _____ TITLE: _____ DATE: _____

CONDITIONS OF APPROVAL, IF ANY:

APPROVED

JAN 3

J. L. GORDON
ACTING DISTRICT ENGINEER

Orig&4cc: USGS, Hobbs,N.M.
cc: Southern Region (West Texas)
cc: file

*See Instructions on Reverse Side

Form 9-331
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE* (Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

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.)

5. LEASE DESIGNATION AND SERIAL NO.: LC 071900-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME:

1. OIL WELL ☐ GAS WELL ☐ OTHER Saltwater Disposal

8. FARM OR LEASE NAME: Lea 6015 ARC Federal

2. NAME OF OPERATOR: SINCLAIR OIL CORPORATION

9. WELL NO.: 1

3. ADDRESS OF OPERATOR: P. O. Box 1920, Hobbs, New Mexico 88240

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14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 3541' GR

12. COUNTY OR PARISH: Lea

13. STATE: New Mexico

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

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	☐	PULL OR ALTER CASING	☐	WATER SHUT-OFF	☐	REPAIRING WELL	☐
FRACTURE TREAT	☐	MULTIPLE COMPLETE	☐	FRACTURE TREATMENT	☐	ALTERING CASING	☐
SHOOT OR ACIDIZE	X	ABANDON*	☐	SHOOTING OR ACIDIZING	☐	ABANDONMENT*	☐
REPAIR WELL	☐	CHANGE PLANS	☐	(Other)			
(Other)				(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.) *

12-19-68 Propose to perforate additional section of Yates approx. 3180-95' (15') w/2 jets/ft. Acidize perfs. 3110-3214' w/approx. 2,000 gallons 15% acid in 2 stages using 200# rock salt between stages. Hookup for SWD well.

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

SIGNED _____ TITLE Superintendent DATE 12-19-68

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

RECEIVED
DEC 24 1968
C. BROWN
DISTRICT ENGINEER

Orig&4cc: USGS, Hobbs, New Mex.
cc: Southern Region (West Texas)
cc: file

*See Instructions on Reverse Side