

**marbob**  
energy corporation

March 20, 1992

Oil Conservation Division  
P. O. Box 2088  
Santa Fe, New Mexico 87501

Attn: Michael Stogner, Director

104666  
RE: Produced Water  
Injection Application  
Cedar Lake Abo Pool  
Sinclair Turner B 65  
Sinclair Turner B 69  
Eddy County, New Mexico

Dear Mr. Stogner:

Enclosed herewith in duplicate is an Application of Marbob Energy Corporation for the authority to inject produced water in the Sinclair Turner B 65 located 330' FSL and 1980' FWL Section 20 and the Sinclair B 69 located 330' FNL and 2310' FEL Section 29; Township 29 South, Range 31 East, Eddy County, New Mexico. This application is made pursuant to Rule 701A of the Division in Rules and Regulations for Notice and Hearing for disposal into the Abo formation, which is the same formation that the wells were originally producing from prior to being placed in a T/A'd status. The Turner B No. 65 and No. 69 are located on offset 40-acre proration units to Marbob Energy's Turner B No. 73 which is currently disposing of produced water into the Abo formation. The Turner B No. 73 was authorized by the O.C.D. as a Salt Water Disposal well under order number R-3378. Copies of this application will be furnished to each offset leasehold operator within 1/2 mile of the wells. Also, the Bureau of Land Management, as the owner of the surface of the land, will be notified of this application.

Mr. Stogner, Marbob Energy Corporation respectfully requests that a hearing be granted and scheduled on April 16th for the consideration of this application. Exhibits are included with this application, however complete documentation supporting this request will be provided at the formal hearing. Thank you for your consideration of this application.

Sincerely,

A handwritten signature in cursive script that reads "David Martin".

David Martin  
Land Department

DM/mm  
Enclosures

POST OFFICE BOX 208  
STATE AND OFFICE BUILDING  
SANTA FE, NEW MEXICO 87501

02 MAR 23 1991 8 59

Case 10466

APPLICATION FOR AUTHORIZATION TO INJECT

- I. Purpose: ☐ Secondary Recovery ☐ Pressure Maintenance ☒ Disposal ☐ Storage  
Application qualifies for administrative approval? ☐ yes ☐ no
- II. Operator: Marbob Energy Corporation  
Address: P. O. Drawer 217, Artesia, NM 88210  
Contact party: Raye Miller Phone: (505) 748-3303
- III. Well data: Complete the data required on the reverse side of this form for each well proposed for injection. Additional sheets may be attached if necessary.
- IV. Is this an expansion of an existing project? ☐ yes ☒ no  
If yes, give the Division order number authorizing the project \_\_\_\_\_
- V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.
- VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.
- VII. Attach data on the proposed operation, including:
1. Proposed average and maximum daily rate and volume of fluids to be injected;
  2. Whether the system is open or closed;
  3. Proposed average and maximum injection pressure;
  4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and
  5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
- VIII. Attach appropriate geological data on the injection zone including appropriate lithologic detail, geological name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such source known to be immediately underlying the injection interval.
- IX. Describe the proposed stimulation program, if any.
- X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division they need not be resubmitted.)
- XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
- XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground source of drinking water.
- XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.
- XIV. Certification
- I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.
- Name: John R. Gray Title: President
- Signature: \_\_\_\_\_ Date: \_\_\_\_\_
- \* If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be duplicated and resubmitted. Please show the date and circumstance of the earlier submittal.

## III. WELL DATA

A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:

- (1) Lease name; Well No.; location by Section, Township, and Range; and footage location within the section.
- (2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.
- (3) A description of the tubing to be used including its size, lining material, and setting depth.
- (4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.

- (1) The name of the injection formation and, if applicable, the field or pool name.
- (2) The injection interval and whether it is perforated or open-hole.
- (3) State if the well was drilled for injection or, if not, the original purpose of the well.
- (4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.
- (5) Give the depth to and name of the next higher and next lower oil or gas zone in the area of the well, if any.

## XIV. PROOF OF NOTICE

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

- (1) The name, address, phone number, and contact party for the applicant;
- (2) the intended purpose of the injection well; with the exact location of single wells or the section, township, and range location of multiple wells;
- (3) the formation name and depth with expected maximum injection rates and pressures; and
- (4) a notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, P. O. Box 2088, Santa Fe, New Mexico 87501 within 15 days.

NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

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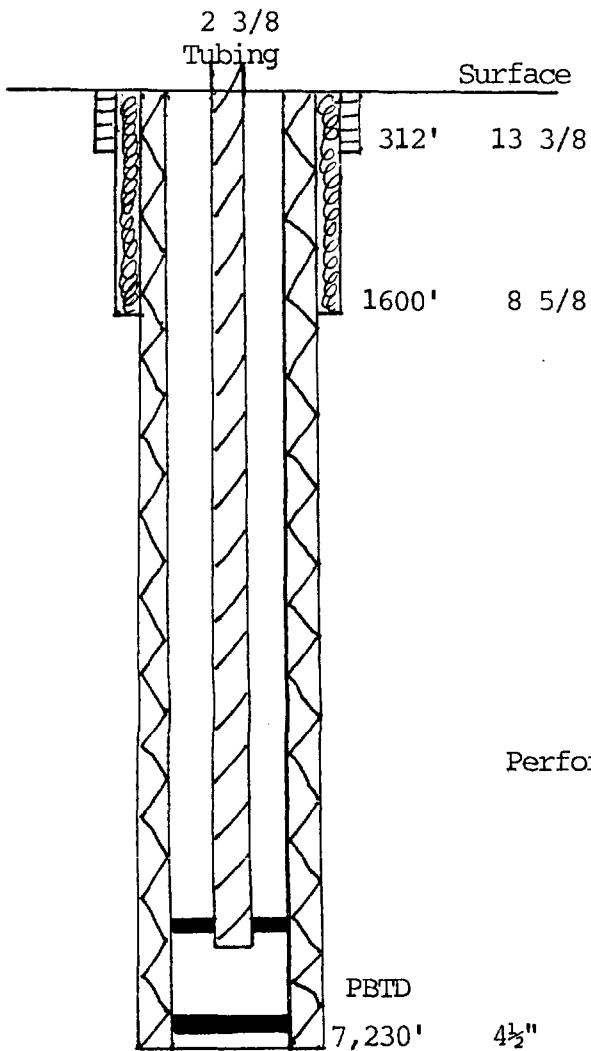
NOTICE: Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.

## INJECTION WELL DATA SHEET

Marbob Energy Corporation		Sinclair Turner B		
OPERATOR		LEASE		
69	330' FNL, 2310' FEL	29	17S	31E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

## Schematic

## Tabular Data



## Surface Casing

Size 13 3/8 O.D. " Cemented with 100 sx.  
 TOC 143' feet determined by Calc.  
 Hole size 17 1/2"

## Intermediate Casing

Size 8 5/8 O.D. " Cemented with 1100 sx.  
 TOC Surface feet determined by Calc. Circulated  
 Hole size 11"

## Long string

Size 4 1/2 O.D. " Cemented with 1100 sx.  
 TOC 1400' feet determined by Temperature Survey  
 Hole size 7 7/8"  
 Total depth 7230'

## Injection interval

Perforated 6890 feet to 7230 feet  
 (perforated or open-hole, indicate which)

Tubing size 2 3/8" lined with Plastic Coating set in a  
 (material)  
Halliburton Trump Pkr. packer at 6800 feet  
 (brand and model)  
 (or describe any other casing-tubing seal).

## Other Data

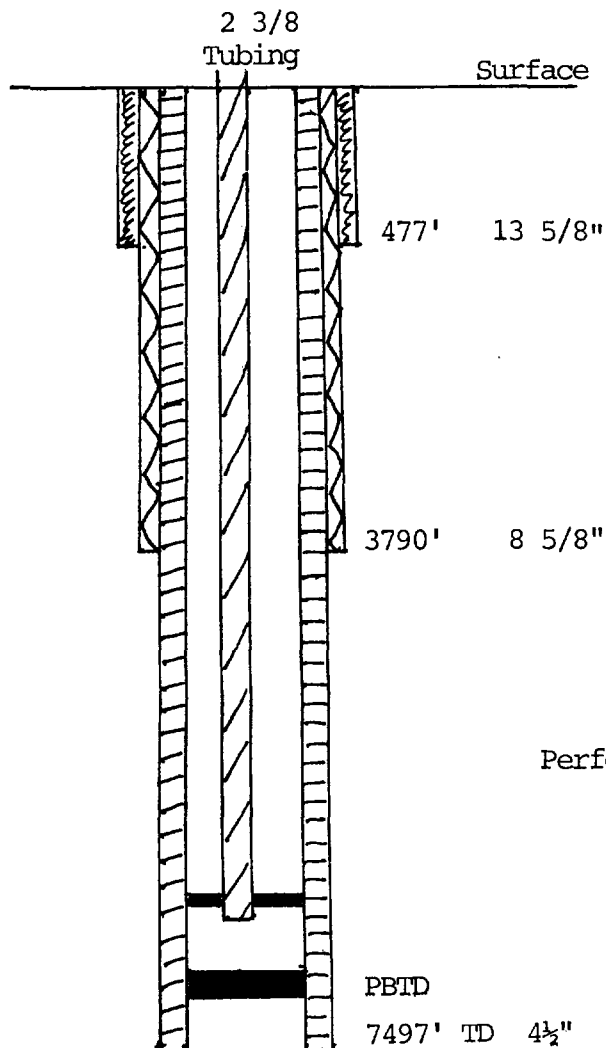
- Name of the injection formation Abo
- Name of Field or Pool (if applicable) Cedar Lake Abo
- Is this a new well drilled for injection? ☐ Yes ☒ No  
 If no, for what purpose was the well originally drilled? Oil Well Producing  
from the Abo Formation.
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) No
- Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.  
Grayburg Jackson Queen, Seven Rivers, Grayburg, San Andres  
1901-4880

## INJECTION WELL DATA SHEET

Marbob Energy Corporation		Sinclair Turner B		
OPERATOR		LEASE		
65	330' FSL 1980 FWL	20	17S	31E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

## Schematic

## Tabular Data



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 Hole size 7 7/8"  
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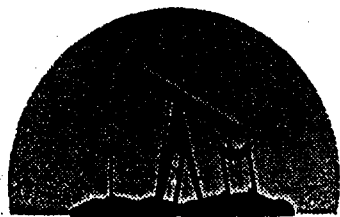
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Grayburg Jackson Queen, Seven Rivers, Grayburg, San Andres,  
1901-4880



**marbob**  
energy corporation

March 20, 1992

Oil Conservation Division  
P. O. Box 2088  
Santa Fe, New Mexico 87501

Attn: Michael Stogner, Director

RECEIVED

APR 1 1992

OIL CONSERVATION DIVISION

RE: Produced Water  
Injection Application  
Cedar Lake Abo Pool  
Sinclair Turner B 65  
Sinclair Turner B 69  
Eddy County, New Mexico

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Sincerely,

A handwritten signature in cursive script that reads "David Martin".

David Martin  
Land Department

DM/mm  
Enclosures



BEFORE THE NEW MEXICO CONSERVATION DIVISION

APPLICATION FOR APPROVAL TO

MARBOB ENERGY CORPORATION

For Conversion to Water Disposal

Sinclair Turner B No. 65

Located 330' FSL and 1980' FWL, Section 20

and

Sinclair Turner B No. 69

Located 330' FNL and 2310' FEL, Section 29

Township 17 South, Range 31 East

Eddy County, New Mexico

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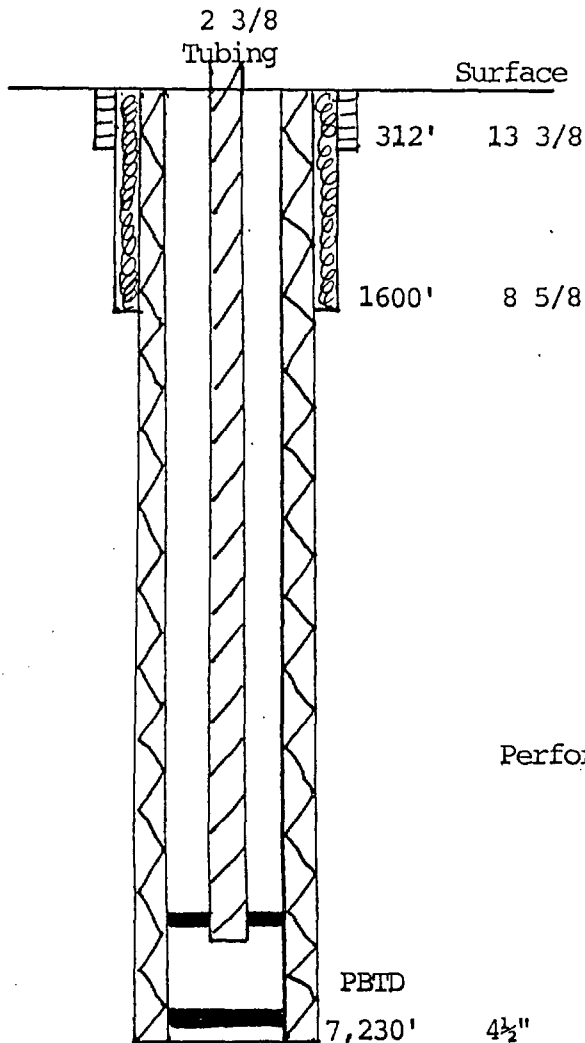
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- I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.
- Name: John R. Gray Title: President  
Signature: \_\_\_\_\_ Date: \_\_\_\_\_
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## INJECTION WELL DATA SHEET

Marbob Energy Corporation Sinclair Turner B  
 OPERATOR LEASE  
69 330' FNL, 2310' FEL 29 17S 31E  
 WELL NO. FOOTAGE LOCATION SECTION TOWNSHIP RANGE

## Schematic



## Tabular Data

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Size 13 3/8 O.D. " Cemented with 100 sx.  
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 Hole size 17 1/2"

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Halliburton Trump Pkr. packer at 6800 feet  
 (brand and model)  
 (or describe any other casing-tubing seal).

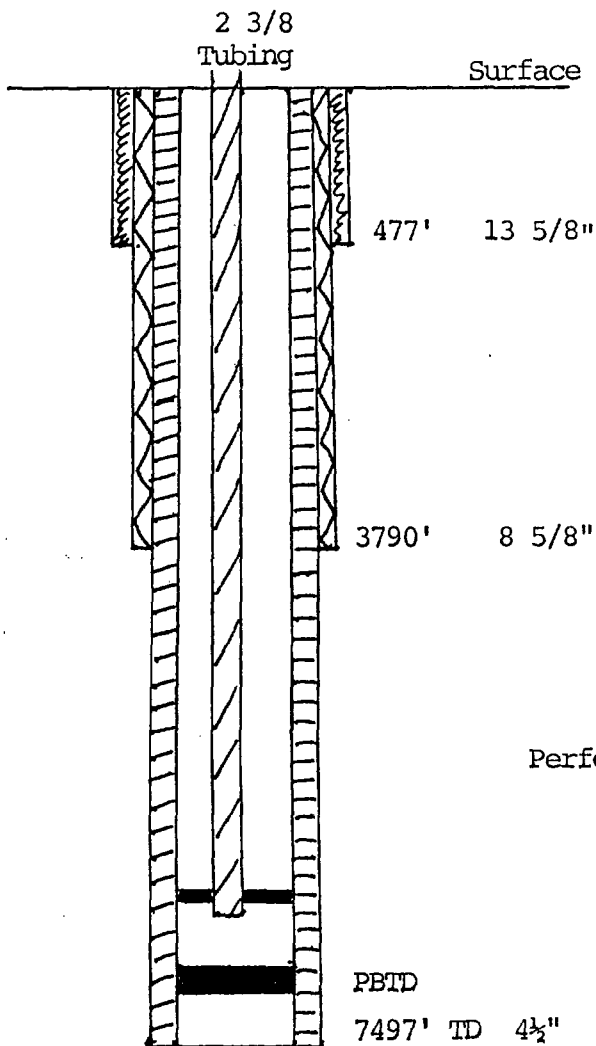
## Other Data

- Name of the injection formation Abo
- Name of Field or Pool (if applicable) Cedar Lake Abo
- Is this a new well drilled for injection? ☐ Yes ☒ No  
 If no, for what purpose was the well originally drilled? Oil Well Producing  
from the Abo Formation.
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) \_\_\_\_\_  
No
- Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. \_\_\_\_\_  
Grayburg Jackson Queen, Seven Rivers, Grayburg, San Andres

# INJECTION WELL DATA SHEET

<u>Marbob Energy Corporation</u>		<u>Sinclair Turner B</u>		
OPERATOR		LEASE		
<u>65</u>	<u>330' FSL 1980 FWL</u>	<u>20</u>	<u>17S</u>	<u>31E</u>
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

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### Long string

Size 4 1/2 O.D. " Cemented with 500 + 450 sx.  
 TOC 1184' feet determined by Temperature Surve  
 Hole size 7 7/8"

Total depth 7497'

### Injection interval

Perforated 6890 feet to 7480 feet  
 (perforated or open-hole, indicate which)

PBTD

7497' TD 4 1/2"

Tubing size 2 3/8" lined with Plastic Coating set in a  
 (material)

Halliburton Trump Pkr. packer at 6800' feet  
 (brand and model)

(or describe any other casing-tubing seal).

## Other Data

1. Name of the injection formation Abo

2. Name of Field or Pool (if applicable) Cedar Lake Abo

3. Is this a new well drilled for injection? ☐ Yes ☒ No

If no, for what purpose was the well originally drilled? Oil Well Producing from  
the Abo Formation.

4. Has the well ever been perforated in any other zone(s)? (list all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) \_\_\_\_\_

No

5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

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 Form 9-331-C for such proposals.)

1. oil ☐ gas ☐ other Temporarily Abandoned  
well well

2. NAME OF OPERATOR ARCO Oil and Gas Company

Division of Atlantic Richfield Company

3. ADDRESS OF OPERATOR

P. O. Box 1710, Hobbs, New Mexico 88240

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE: 330' FSL & 1980' FWL (Letter N)

AT TOP PROD. INTERVAL: Same

AT TOTAL DEPTH: Same

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☒

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

CHANGE ZONES ☐

ABANDON\* ☐

(other) ☐

SUBSEQUENT REPORT OF:

☐

☐

☐

☐

☐

☐

☐

☐

☐

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.)\*

MIRU PU, NU BOP. RIH w/bit & scraper. CO to 6963'. Circ CLN w/inhibited pkr fluid Run csg inspection log & CBL. Perf 4 1/2" csg, circ cmt to surf, and squeeze wtr flow. DO and test squeeze. Resqueeze if necessary. Circ inhibited pkr fluid from squeeze holes to surface. Run 1 jt 2-3/8" tbg. Re-install wellhead. Leave well TA'd.

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_

Set @ \_\_\_\_\_ Ft.

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

SIGNED

*Roland P. Lawrence*

Drig. Engr.

DATE

11/18/83

APPROVED

(This space for Federal or State office use)

(ORIG. SGD.) DAVID R. GLASS

APPROVED BY

DATE

CONDITIONS OF APPROVAL, IF ANY:

NOV 30 1983

5. LEASE

LC-029395-B

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Turner "B"

9. WELL NO.

65

10. FIELD OR WILDCAT NAME

Cedar Lake Abo

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

20-17S-31E

12. COUNTY OR PARISH

Eddy

13. STATE

New Mexico

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)

3676' GR

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

RECEIVED  
NOV 21 11 55 AM '83  
BUREAU OF LAND MANAGEMENT  
ROSVELL DISTRICT

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYN. M. O. C. C. COPY  
SUBMIT IN PLICATE  
(Other Inst. as on re-  
verse side)Form approved.  
Budget Bureau No. 42-R1424.  
Copy to

## 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 <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> Temporarily Abandoned	5. LEASE DESIGNATION AND SERIAL NO. LC 029395 (b)
2. NAME OF OPERATOR Atlantic Richfield Company	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P. O. Box 1978, Roswell, New Mexico 88201	7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 330' FSL & 1980' FWL (Unit letter N)	8. FARM OR LEASE NAME Turner "B"
14. PERMIT NO.	9. WELL NO. 65
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 3676' GR	10. FIELD AND POOL, OR WILDCAT Cedar Lake-Abo
	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 20, T17S, R31E
	12. COUNTY OR PARISH Eddy
	13. STATE N.M.

## 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) Temporarily Abandon

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

(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.)\*

This well has been temporarily abandoned by setting a 4 1/2" 11.6# CIBP at 6963'; loaded casing with treated fresh water and left a 2-3/8" 2000# WOG master valve in top of wellhead. Well temporarily abandoned 1/21/71. We will hold the well for possible Grayburg-Jackson waterflood recompletion.

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

SIGNED

*C. D. Switzer*

TITLE

Dist. Drlg. Supervisor

DATE

1/27/71

(This space for Federal or State office use)

APPROVED BY  
CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

APPROVED

FEB 1 - 1971  
R. L. BECKMA.

\*See Instructions on Reverse Side

NEW MEXICO OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico

RECEIVED

(Form C-104)  
Revised 7/1/57

MAY 23 1960

REQUEST FOR (OIL) - (GAS) ALLOWABLE

New Well  
Recompletion

O. C. C. ARTESIA OFFICE

This form shall be submitted by the operator before an initial allowable will be assigned to any completed Off or Gas well. Form C-104 is to be submitted in QUADRUPLICATE to the same District Office to which Form C-101 was sent. The allowable will be assigned effective 7:00 A.M. on date of completion or recompletion, provided this form is filed during calendar month of completion or recompletion. The completion date shall be that date in the case of an oil well when new oil is delivered into the stock tanks. Gas must be reported on 15.025 psia at 60° Fahrenheit.

Hobbs, New Mexico  
(Place)

May 21, 1960  
(Date)

WE ARE HEREBY REQUESTING AN ALLOWABLE FOR A WELL KNOWN AS:

**Sinclair Oil & Gas Company**

**Turner "B" SP**

Well No. **65**

in **SE**

**SW**

(Company or Operator)

(Lease)

**N**

Sec. **20**

T. **17S**

R. **31E**

NMPM.,

**Wildcat**

Pool

Unit Letter  
**Eddy**

County. Date Spudded **3-25-60**

Date Drilling Completed **5-13-60**

Elevation **3676**

Total Depth **7497**

PBTD

**7400**

Top Oil/Gas Pay **6874**

Name of Prod. Form.

**Abo**

PRODUCING INTERVAL -

Perforations **7120-32, 7136-40, 7144-52**

Open Hole

Depth

**7497**

Depth

**7063**

OIL WELL TEST -

Natural Prod. Test: **96** bbls. oil, **0** bbls water in **8** hrs, **8** min. Choke **16/64**

Test After Acid or Fracture Treatment (after recovery of volume of oil equal to volume of load oil used): \_\_\_\_\_ bbls. oil, \_\_\_\_\_ bbls water in \_\_\_\_\_ hrs, \_\_\_\_\_ min. Choke \_\_\_\_\_

GAS WELL TEST -

Natural Prod. Test: \_\_\_\_\_ MCF/Day; Hours flowed \_\_\_\_\_ Choke Size \_\_\_\_\_

Method of Testing (pitot, back pressure, etc.): \_\_\_\_\_

Test After Acid or Fracture Treatment: \_\_\_\_\_ MCF/Day; Hours flowed \_\_\_\_\_

Choke Size \_\_\_\_\_ Method of Testing: \_\_\_\_\_

Acid or Fracture Treatment (Give amounts of materials used, such as acid, water, oil, and sand): **No treatment - Well completed natural**

Casing **Packer** Tubing **800#** Date first new **May 19, 1960**  
Press. **800#** oil run to tanks

Oil Transporter **Texas-New Mexico Pipeline Company**

Gas Transporter **None-Gas Flared**

Tubing, Casing and Cementing Record

Size	Feet	Size
<b>8-5/8</b>	<b>3800</b>	<b>3300</b>
<b>4-1/2</b>	<b>7497</b>	<b>500</b>
<b>2</b>	<b>7063</b>	<b>Tbg</b>

Remarks:

**ILLEGIBLE**

I hereby certify that the information given above is true and complete to the best of my knowledge.

Approved **MAY 23 1960**, 19

**Sinclair Oil & Gas Company**

(Company or Operator)

OIL CONSERVATION COMMISSION

By

(Signature)

By

Title

**Dist. Supt.**

Send Communications regarding well to:

Title

**OIL AND GAS INSPECTOR**

**Fred Burns**

500 E Broadway, Hobbs, N.M.

4-3/8	411	175	Halliburton
8-5/8	3800	3300	Halliburton
4-1/2	7197	500	Halliburton

PLUGS AND ADAPTERS

Adapters—Material None Size \_\_\_\_\_

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
None						

TOOLS USED

Rotary tools were used from Surface feet to 7197 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

DATES

\_\_\_\_\_, 19\_\_\_\_ Put to producing \_\_\_\_\_, 19\_\_\_\_

The production for the first 24 hours was \_\_\_\_\_ barrels of fluid of which May 19 % was oil; 60 % emulsion; 0 % water; and 0 % sediment. Gravity, °Bé. 100 0

If gas well, cu. ft. per 24 hours \_\_\_\_\_ Gallons gasoline per 1,000 cu. ft. of gas 43.1

Rock pressure, lbs. per sq. in. \_\_\_\_\_

EMPLOYEES

\_\_\_\_\_, Driller W.S. Tadlock  
\_\_\_\_\_, Driller D.W. Harrison  
\_\_\_\_\_, Driller R.J. Green  
\_\_\_\_\_, Driller C. Williams

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	116	116	Redbed & Caliche
116	280	164	Redbed & Anhydrite
280	401	121	Anhydrite & Shells
401	1283	882	Anhydrite
1283	1518	235	Lime
1518	1770	252	Anhydrite & Salt
1770	3279	1509	Anhydrite & Gyp
3279	3357	78	Anhydrite
3357	3567	210	Lime & Anhydrite
3567	4276	709	Lime
4276	4713	437	Lime & Sand
4713	7197	2784	Lime
7197	Total Depth		

DEVIATION SURVEYS

1 0	100
1 0	900
1-1/4 0	1610
1 0	1862
1-3/4 0	2346
1-3/4 0	3000
1-1/2 0	3487
1-3/4 0	4190
1-3/4 0	4463
1-1/2 0	5190
1-3/4 0	5842
2-1/4 0	6500
2-3/4 0	6929

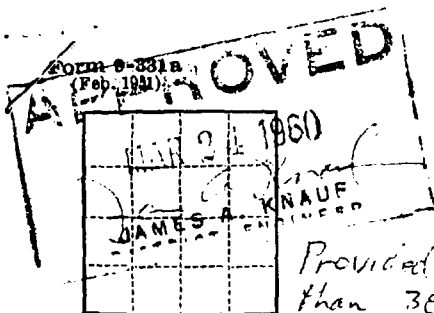
GEOLOGICAL TOPS

Yates	1505	/ 2171
7 Rivers	1852	/ 1824
Queen	2484	/ 1192
Grayburg	2855	/ 821
San Andres	3268	/ 408
Glorieta	4788	- 1112
Abc	6874	- 3198

(OVER)  
FORMATION RECORD—CONTINUED

ILLEGIBLE





RECEIVED

(SUBMIT IN TRIPLICATE)

Land Office \_\_\_\_\_

UNITED STATES

MAR 29 1960 No. \_\_\_\_\_

DEPARTMENT OF THE INTERIOR

Unit \_\_\_\_\_

GEOLOGICAL SURVEY ARTESIA, OFFICE

Provided that intermediate pipe be set at a depth not less than 3600 feet and cemented with sufficient cement to at least circulate back to salt zone.

## SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	<input checked="" type="checkbox"/>	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....		SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....		SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....		SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

March 27, 1960

Well No. 65 is located 330 ft. from ANK line and 1980 ft. from W line of sec. 20  
SW 1/4 Sec. 20 17S 31E 10PM  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Midland Midland New Mexico  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is \_\_\_\_\_ ft.

## DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Sinclair Oil & Gas Company's Well No. 65, Turner "B" SP Lease13-3/8" OD casing 35.6# 202' 150 Sacks5-1/2" OD casing 15.5-17.20# 8400' 200 Sacks

Propose to drill with rotary tools to depth of approximately 8400' to test the Abu Reef 7100' to 8400'.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Sinclair Oil & Gas CompanyAddress P. O. Box 1470Midland, TexasBy R. D. Satterwhite (R.D. Satterwhite)Title Chief Clerk - Production Dept.

ILLEGIBLE

GPO 918507

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

Revised 5/1/57

SEE INSTRUCTIONS FOR COMPLETING THIS FORM ON THE REVERSE SIDE

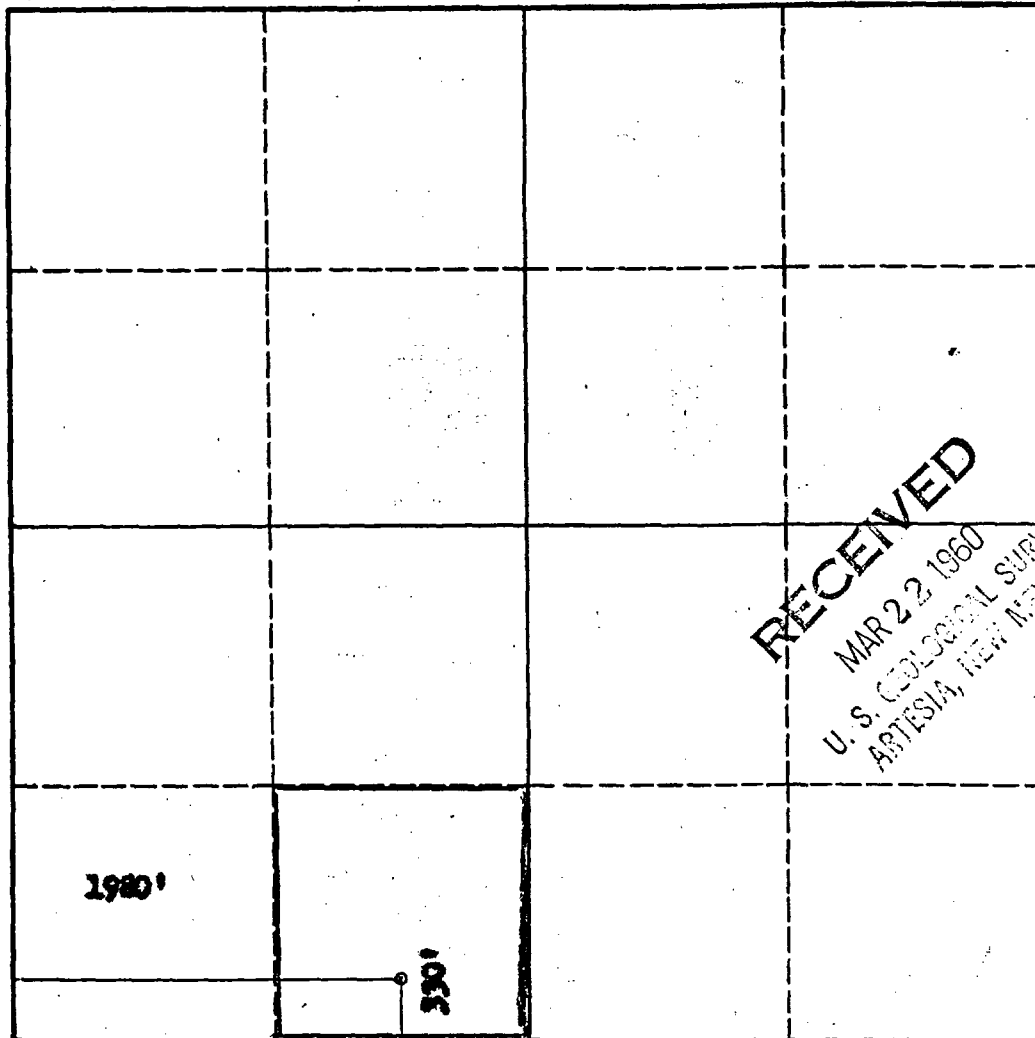
SECTION A

Operator <b>Sinclair oil &amp; Gas Company</b>			Lease <b>Turner "B" SP</b>			Well No. <b>65</b>		
Unit Letter <b>N</b>	Section <b>20</b>	Township <b>17-South</b>	Range <b>31-East</b>	County <b>Eddy</b>				
Actual Footage Location of Well: <b>330</b> feet from the <b>South</b> line and <b>1980</b> feet from the <b>West</b> line								
Ground Level Elev.	Producing Formation <b>Abo Reef</b>		Pool		Dedicated Acreage: <b>40</b> 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



CERTIFICATION

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

*[Signature]*  
Name  
Div. Clerk - Prod. Dept.  
Position  
**Sinclair Oil & Gas Company**  
Company  
**March 16, 1960**  
Date

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.

**3/18/60**  
Date Surveyed  
**3/18/60**  
Registered Professional Engineer  
and/or Land Surveyor

*[Signature]*  
Certificate No. **676**

RECEIVED  
MAR 22 1960  
U. S. GEOLOGICAL SURVEY  
ARTESIA, NEW MEXICO

N. M. O. C. C. COPY  
UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY  
SUBMIT IN DUPLICATE  
(Other instructions on reverse side)Form approved.  
Budget Bureau No. 42-R1424  
5. LEASE DESIGNATION AND SERIAL NO.

LC 029395 (b)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Turner "B"

9. WELL NO.

69

10. FIELD AND POOL, OR WILDCAT

Cedar Lake-Abo

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

Sec. 29, T17S, R31E

12. COUNTY OR PARISH

Eddy

N.M.

1. OIL WELL ☒ GAS WELL ☐ OTHER ☐ Temporarily Abandoned

2. NAME OF OPERATOR

Atlantic Richfield Company

3. ADDRESS OF OPERATOR

P. O. Box 1978, Roswell, New Mexico 88201

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\* See also space 17 below.)  
At surface

380' FNL &amp; 2310' FEL (Unit Letter B)

14. PERMIT NO.

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

3688' GR

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) Temporarily Abandon ☒REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT\* ☐

(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.)\*

This well has been temporarily abandoned in the following manner:  
Set 4½" Baker Model N CIBP @ 6975' GL. Loaded casing with treated fresh water and capped well with 2000# WOG master valve. We propose to hold wellbore for possible Grayburg-Jackson water flood recompletion. Well Temporarily Abandoned 1/25/71.

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

SIGNED

A.C. Snatchers

TITLE

Dist. Drlg. Supervisor

DATE

1/27/71

(This space for Federal or State office use)

APPROVED BY

CONVENTIONS OF APPROVAL, IF ANY:

TITLE

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 029395 (b)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Turner "B" SP

9. WELL NO.

69

10. FIELD AND POOL, OR WILDCAT

Cedar Lake Abo

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

Sec. 29-17S-31E NMPL

12. COUNTY OR PARISH

Kddy

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 ☐

2. NAME OF OPERATOR

Sinclair Oil & Gas Company

3. ADDRESS OF OPERATOR

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

380' fr North line and 2310' fr East line of Sec. 29-17S-31E, Kddy County, New Mexico

14. PERMIT NO.

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

3688' surface elevation

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

(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.)\*

Squeezed Abo perforations 7122'-28' w/105 sacks Incor West 14 1/2 to 16 1/2 Max. Press. 4500# preceded by 250 Gal. Mud clean reversed out 10 sacks, completed 10:00 AM 4-15-64. Jet perforated Abo 7034-37', 7018'-24', 7053'-57', w/30 - 1/2" holes. Ran 2-3/8" CD Tbg. to 7080' w/ Guiberson L 30 packer & Hydraulic hold down at 6980', Swab 24 BLM and swab dry, displace brine w/ oil (120 bbl.) wash Abo perforations 7018'-57' w/ 1500 Gal. Mud hold. Max. Press. 3800#. Min. Press. 3300# at 4 BPN ISIP 1600#, 10 min. SIP 0. Swab 5 BLO in 1 hr. flow 23 BLO and 30 BAW and 47 BMO 44.8 Gvty in 7 hrs. on 12 hrs. potential test ending 10 PM 4-17-64 flowed Abo perfs 71 BMO Gvty 44.8 and 30 BWN on 12/64" choke. Tbg. Press. 1110#, GOR 1839/1 for calculated 24 hrs. potential of 142 bbls.

RECEIVED

JUN 19 1964

O. C. C.  
ARTESIA, OFFICE

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

SIGNED

TITLE

District Superintendent

DATE

6-16-64

(This space for Federal or State office use)

APPROVED

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

ILLEGIBLE

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TH... CATE\*  
(Other instruction on re-  
verse 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.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. <b>Las Cruces 029295(b)</b>
2. NAME OF OPERATOR <b>Sinclair Oil &amp; Gas Company</b>		6. IF INDIAN ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR <b>520 East Broadway, Hobbs, New Mexico</b>		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <b>380' fr North line and 2310' fr East line of Sec 29-175-31K, Eddy County, N.M.</b>		8. FARM OR LEASE NAME <b>Turner #3 #3</b>
14. PERMIT NO.	9. WELL NO. <b>69</b>	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>3688 Surface Elevation</b>		10. FIELD AND POOL, OR WILDCAT <b>Cedar Lake Abo</b>
		11. SEC. T., R., M., OR BLE. AND SURVEY OR AREA <b>Sec. 29-175-31K NMPN</b>
		12. COUNTY OR PARISH <b>Eddy</b>
		13. STATE <b>New Mexico</b>

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input checked="" type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	(Other) <input type="checkbox"/>

(Other) **Squeeze & Reperforate**

(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.)\*

**PROPOSE TO: Squeeze present perforations 7122-7128 with cement. Reperforate in the Abo Zone Approximately 7018-7057. Treat with approximately 1500 gallons mud acid and test, and if necessary treat with additional 1000 gallons regular acid.**

**Estimate work to be started 04/13/64.**

RECEIVED  
APR 14 1964  
O. C. C.  
ARTEBIA, OFFICE

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

SIGNED

TITLE **Dist. Supt.**

DATE **04/09/64**

(This space for Federal or State office use)

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

ILLEGIBLE

8-5/8	1600	1100	Halliburton
4-1/2	7230	1100	

## PLUGS AND ADAPTERS

Heaving plug—Material \_\_\_\_\_ Length \_\_\_\_\_ Depth set \_\_\_\_\_

Adapters—Material \_\_\_\_\_ Size \_\_\_\_\_

## SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

## TOOLS USED

Rotary tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

Cable tools were used from Surface feet to 7230 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

## DATES

\_\_\_\_\_, 19\_\_\_\_ Put to producing \_\_\_\_\_, 19\_\_\_\_

The production for the first 24 hours was \_\_\_\_\_ barrels of fluid of which September 12 % was oil; 60 %  
emulsion; \_\_\_\_\_ % water; and \_\_\_\_\_ % sediment. 364 Gravity, °Bé. 100 0If gas well, cu. ft. per 24 hours \_\_\_\_\_ Gallons gasoline per 1,000 cu. ft. of gas 10

Rock pressure, lbs. per sq. in. \_\_\_\_\_

## EMPLOYEES

\_\_\_\_\_, Driller \_\_\_\_\_, Driller

B.J. GreenD.W. Harrison

\_\_\_\_\_, Driller \_\_\_\_\_, Driller

C.R. WaldonI.G. Harris

## FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	536	536	Redbed
536	1108	872	Salt
1108	2569	1161	Anhydrite
2569	3018	1169	Anhydrite & Gyp
3018	7230	1212	Lime
7230 - Total Depth			

## GEOLOGICAL TOPS

Yates	1517
7 Rivers	1901
Queen	2538
Grayburg	2912
San Andres	3350
Glorieta	4885
Abco	6919

## DEVIATION SURVEYS

1/4	● 255
3/4	● 1154
3/4	● 1958
2	● 2110
2	● 3072
1-3/4	● 3125
2-1/2	● 3915
2-1/2	● 4172
2	● 4890
2	● 5152
2-1/4	● 5677
3	● 5922
4-1/2	● 6306
5	● 6857
5	● 7130

LOUVE REEL

FORMATION

(OVER)

FORMATION RECORD—Continued

18-48094-4

ILLEGIBLE

NEW MEXICO OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico

(Form C-104)  
Revised 7/1/57

REQUEST FOR (OIL) - (GAS) ALLOWABLE

New Well  
Recompletion

This form shall be submitted by the operator before an initial allowable will be assigned to any completed Oil or Gas well. Form C-104 is to be submitted in QUADRUPPLICATE to the same District Office to which Form C-101 was sent. The allowable will be assigned effective 7:00 A.M. on date of completion or recompletion, provided this form is filed during calendar month of completion or recompletion. The completion date shall be that date in the case of an oil well when new oil is delivered into the stock tanks. Gas must be reported on 15.025 psia at 60° Fahrenheit.

Hobbs, New Mexico  
(Place)

September 12, 1960  
(Date)

WE ARE HEREBY REQUESTING AN ALLOWABLE FOR A WELL KNOWN AS:

Sinclair Oil & Gas Company, Turner "B" SP, Well No. 60, in NE 1/4, NE 1/4, Undesignated (Engine the Dist.)  
(Company or Operator) (Lease)  
B, Sec. 22, T. 17S, R. 31E, NMPM, Pool

Eddy

County. Date Spudded 7-29-60 Date Drilling Completed 9-8-60

Please indicate location:

D	G	B	A
E	F	G	H
L	K	J	I
M	N	O	P

Elevation 3688 Total Depth 7230 PBTD 7197

Top Oil/Gas Pay 6919 Name of Prod. Form. Abo

PRODUCING INTERVAL -

Perforations 7108-7132

Open Hole Depth Casing Shoe 7230 Depth Tubing 7077

OIL WELL TEST -

Natural Prod. Test: \_\_\_\_\_ bbls. oil, \_\_\_\_\_ bbls water in \_\_\_\_\_ hrs, \_\_\_\_\_ min. Choke Size \_\_\_\_\_

Test After Acid or Fracture Treatment (after recovery of volume of oil equal to volume of load oil used): 91 bbls. oil, 0 bbls water in 6 hrs, 0 min. Choke Size 20/64"

GAS WELL TEST -

Natural Prod. Test: \_\_\_\_\_ MCF/Day; Hours flowed \_\_\_\_\_ Choke Size \_\_\_\_\_

Method of Testing (pitot, back pressure, etc.): \_\_\_\_\_

Test After Acid or Fracture Treatment: \_\_\_\_\_ MCF/Day; Hours flowed \_\_\_\_\_

Choke Size \_\_\_\_\_ Method of Testing: \_\_\_\_\_

Acid or Fracture Treatment (Give amounts of materials used, such as acid, water, oil, and sand): 500 gallons mud acid

Casing Press. Packar Tubing Press. 885 Date first new oil run to tanks September 12, 1960

Oil Transporter Texas-New Mexico Pipeline Company

Gas Transporter Skelly Oil Company

Tubing, Casing and Cementing Record

Size	Feet	Sax
13-3/8	312	100
8-5/8	1600	1100
4-1/2	7230	1109
2-3/8	7077	Tubing

Remarks: .

ILLEGIBLE

I hereby certify that the information given above is true and complete to the best of my knowledge.

Approved SEP 13 1960, 19

Sinclair Oil & Gas Company  
(Company or Operator)

OIL CONSERVATION COMMISSION

By: M. L. Armstrong  
Oil and Gas Inspector  
Title

By: [Signature]  
(Signature)

Title Dist. Supt.  
Send Communications regarding well to:

Name Fred Burns

(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office **Las Cruces**

Lease No. **029395 (b)**

Unit **Turner "B" SP**

**RECEIVED**

JUL 26 1960

**SUNDRY NOTICES AND REPORTS ON WELLS**

ARTESIA OFFICE	
NOTICE OF INTENTION TO DRILL	<input checked="" type="checkbox"/> SUBSEQUENT REPORT OF WATER SHUT-OFF
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY
NOTICE OF INTENTION TO ABANDON WELL	

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

July 20, 1960

Well No. **69** is located **380** ft. from **N** line and **2010** ft. from **E** line of sec. **29**

**NE 1/4 Sec 29** **17S** **31E** **NMPM**  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
**Undesignated** **Eddy** **New Mexico**  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is \_\_\_\_\_ ft.

**DETAILS OF WORK**

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudlogging jobs, cementing points, and all other important proposed work)

Sinclair Oil & Gas Company's Well No. 69, Turner "B" SP Lease

8-5/8" OD Casing 24# 1600' (or thru Salt) 650 sacks & Circ  
4-1/2" OD Casing 9.5# 7400' 1000 sacks (or cement back into surface casing)

Propose to drill with rotary tools to a depth of approximately 7400' to test the Abo Reef 6900' to TD

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Sinclair Oil & Gas Company

Address P. O. Box 1470

Midland, Texas

By R. D. Satterwhite  
(R. D. Satterwhite)  
Title Chief Clerk, Production Dept.

**ILLEGIBLE**



NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

RECEIVED  
FORM C-128  
Revised 5/1/57

SEE INSTRUCTIONS FOR COMPLETING THIS FORM ON THE REVERSE SIDE

SECTION A

B. C. C.

ARTERIAL OFFICE

Well No.

69

Sinclair Oil & Gas Company

Lease

Turner "B" SP

Section Letter

B

Section

29

Township

17 South

Range

31 East

County

Eddy

Actual Footage Location of Well:

380

feet from the

North

line and

2310

feet from the

East

line

Ground Level Elev.

Producing Formation

Abo Reef

Pool

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

JUL 25 1960

U. S. GEOLOGICAL SURVEY  
ALBUQUERQUE, NEW MEXICO

SECTION B

CERTIFICATION

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

Name

Position

Div. Clerk Prod. Dept.

Company

Sinclair Oil & Gas Co.

Date

July 20, 1960

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

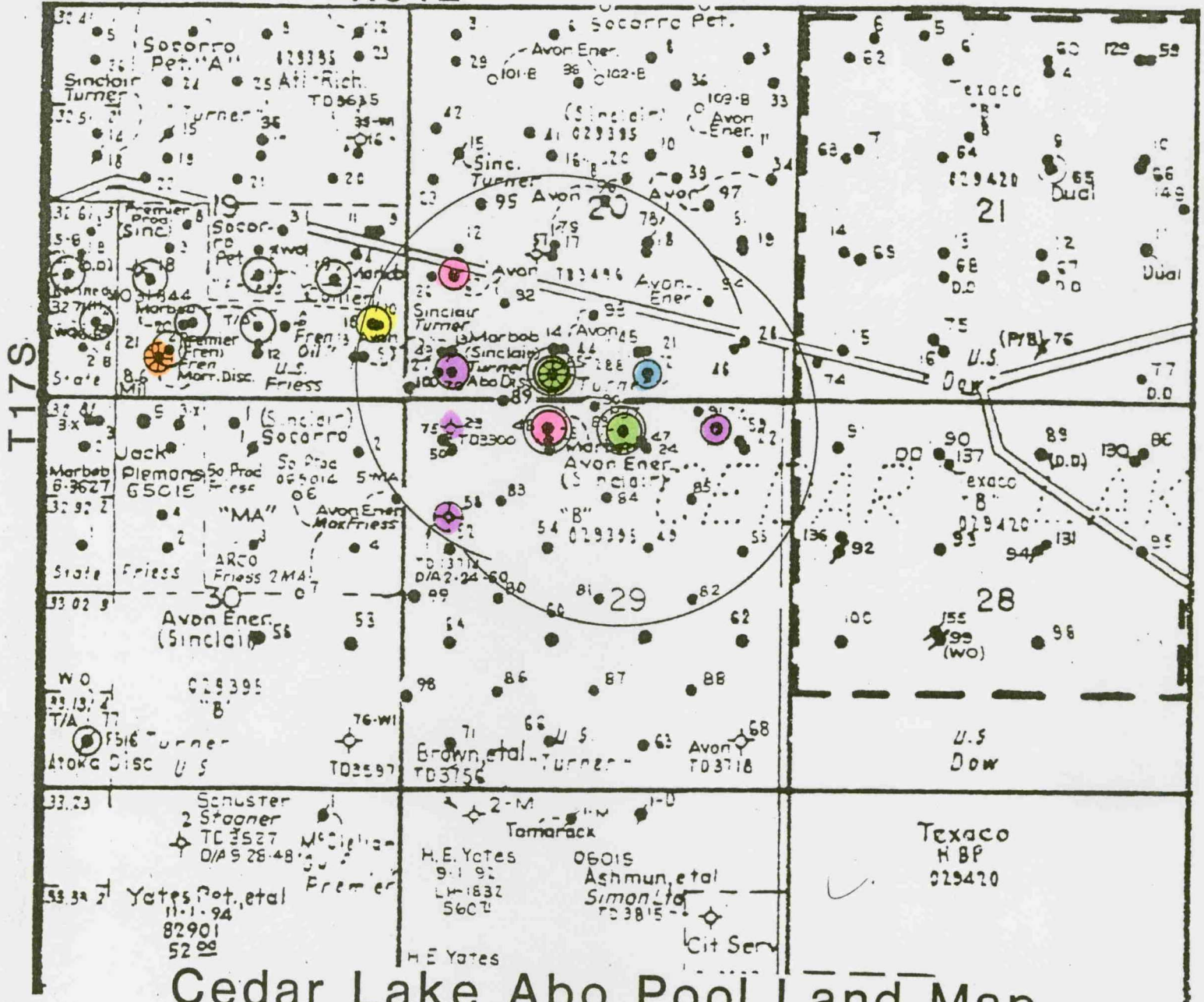
Certificate No.

676

ILLEGIBLE

0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0

R31E



# Cedar Lake Abo Pool Land Map

Abo producer ○

## Proposed Disposal Wells

Turner B 65  
Turner B 69

## Recompleted Wells

Turner B 72

## Disposal Wells

Turner B 73  
Turner B 67

## Plugged Wells

Turner B 58  
Turner B 70  
Turner B 74  
Turner B 75

## TA'd Wells

Fren Oil Company No. 16

## Deep Gas Well

Fren Oil Company Gas Com No. 21

## WELL DATA

## WELLS IN AREA OF REVIEW

1. Well Name: Fren Oil Company Gas Com No. 21  
Well Location: 560' FSL and 3350' FEL N-Sec. 19, T-17S, R-31E  
Well Type: Gas Well - Pennsylvanian Morrow  
Date Drilled: June 13, 1965  
Construction: 13 3/8" O.D. Casing set to 369'  
9 5/8" O.D. Casing set to 3210'  
7" O.D. Casing set to 12,275'  
Depth Drilled: 12,299  
Record of Completion: See attached well history
2. Well Name: Fren Oil Company No. 16  
Well Location: 990' FSL and 355' FEL P-Sec. 19, T-17S, R-31E  
Well Type: TA'd Cedar Lake Abo Well  
Date Drilled: September 14, 1961  
Construction: 8 5/8" O.D. Casing set to 1503'  
5 1/2" O.D. Casing set to 7048'  
Depth Drilled: 7,067'  
Record of Completion: See attached well history
3. Well Name: Turner B No. 58  
Well Location: 1650' FNL and 660' FWL E-Sec. 29, T-17S, R-31E  
Well Type: Dry Hole - Ellenburger Formation Test  
Date Drilled: 1959  
Construction: 13 3/4" O.D. Casing set to 230'  
9 5/8" O.D. Casing set to 3825'  
5 1/2" O.D. Casing set to 9900'  
Depth Drilled: 13,714  
Record of Conversion: See attached well history and schematic
4. Well Name: Turner B No. 67  
Well Location: 1650' FSL and 660' FWL L-Sec. 20, T-17S, R-31E  
Well Type: Water Injection - Grayburg Jackson Pool  
Date Drilled: July, 1960  
Construction: 10 3/4" O.D. Casing set to 475'  
7" O.D. Casing set to 3800'  
4 1/2" O.D. Casing set to 7221'  
CIBP set @ 6900' with 2 sacks cement on top  
Depth Drilled: 7223'  
Record of Conversion: See attached well history
5. Well Name: Turner B No. 70  
Well Location: 330' FSL and 660' FWL M-Sec. 20, T-17S, R-31E  
Well Type: P & A'd 12/6/87 Cedar Lake Abo Pool  
Date Drilled: September 23, 1960  
Construction: 8 5/8" O.D. Casing set to 1600'  
4 1/2" O.D. Casing set to 7200'  
Depth Drilled: 7200'  
Record of Conversion: See attached well history and schematic

6. Well Name: Turner B No. 72  
Well Location: 1980' FEL and 330' FSL 0-Sec. 20, T-17S, R-31E  
Well Type: Producing in Grayburg Jackson Q-SR-G-SA Pool  
Date Drilled: October 13, 1960  
Construction: 8 5/8" O.D. Casing set to 1600'  
4 1/2" O.D. Casing set to 7233'  
CIBP set @ 7100' on 1/27/71  
Depth Drilled: 7233'  
Record of Conversion: See attached well history
7. Well Name: Turner B No. 73  
Well Location: 380' FNL and 1980' FWL C-Sec. 29, T-17S, R-31E  
Well Type: Produced Water Disposal Well since 5/13/68  
Date Drilled: October 23, 1960  
Construction: 8 5/8" O.D. Casing set to 1600'  
4 1/2" O.D. Casing set to 7185'  
Model N Packer set @ 6898'  
Depth Drilled: 7185'  
Record of Conversion: See attached well history
8. Well Name: Turner B No. 74  
Well Location: 330' FNL and 990' FEL A-Sec. 29, T-17S, R-31E  
Well Type: Plugged and Abandoned 12/14/86  
Date Drilled: November 21, 1960  
Construction: 8 5/8" O.D. Casing set to 1600'  
4 1/2" O.D. Casing set to 7207'  
CIBP set @ 7126'  
Depth Drilled: 7250'  
Record of Conversion: See attached well history and schematic
9. Well Name: Turner B No. 75  
Well Location: 330' FSL 660' FWL D-Sec. 29, T-17S, R-31E  
Well Type: Dry Hole P & A'd 1/10/61  
Date Drilled: December 8, 1960  
Construction: 8 5/8" O.D. Casing set to 1608'  
Depth Drilled: 9780'  
Record of Conversion: See attached well history and schematic

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## 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 Form 9-331-C for such proposals.)

1. oil ☒ TA gas well ☐ other ☐
2. NAME OF OPERATOR ARCO Oil & Gas Company  
Division of Atlantic Richfield Company
3. ADDRESS OF OPERATOR  
P. O. Box 1710, Hobbs, New Mexico 88240
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 990' FSL & 355' FEL  
AT TOP PROD. INTERVAL:  
AT TOTAL DEPTH: As above.
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

- REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF:
- |                      |                          |                                     |
|----------------------|--------------------------|-------------------------------------|
| TEST WATER SHUT-OFF  | <input type="checkbox"/> | <input type="checkbox"/>            |
| FRACTURE TREAT       | <input type="checkbox"/> | <input type="checkbox"/>            |
| SHOOT OR ACIDIZE     | <input type="checkbox"/> | <input type="checkbox"/>            |
| REPAIR WELL          | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| PULL OR ALTER CASING | <input type="checkbox"/> | <input type="checkbox"/>            |
| MULTIPLE COMPLETE    | <input type="checkbox"/> | <input type="checkbox"/>            |
| CHANGE ZONES         | <input type="checkbox"/> | <input type="checkbox"/>            |
| ABANDON*             | <input type="checkbox"/> | <input type="checkbox"/>            |
| (other)              | <input type="checkbox"/> | <input type="checkbox"/>            |

RECEIVED

JUN 6 1980

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

U.S. GEOLOGICAL SURVEY  
ARTESIA, NEW MEXICO

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.)\*

1. Rigged up on 6/3/80, installed BOP.
2. RIH w/2-3/8" OD tbg OE to 6916'.
3. Spot Cl "C" cmt plug 6750-6916'.
4. Spot Cl "C" cmt plug 1350-1450'. POH w/tbg.
5. Filled hole 1350' to surf w/ FW. Remove BOP. Installed wellhead & surface valve. TA effective 6/3/80. Hold for future development.

RECEIVED

JUN 10 1980

O. C. D.  
ARTESIA, OFFICE

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

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

SIGNED For: LeROY LANE TITLE Dist. Drlg. Supt. DATE 6/5/80

(This space for Federal or State office use)

APPROVED BY GEORGE H. STEWART TITLE DISTRICT ENGINEER DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

## SUNDRY NOTICES AND REPORTS ON WELLS

1. oil well ☒ TA gas well ☐ other

2. NAME OF OPERATOR ARCO Oil & Gas Co. ✓  
Division of Atlantic Richfield Company

3. ADDRESS OF OPERATOR

P. O. Box 1710, Hobbs, New Mexico 88240

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE: 990' FSL & 355' FEL

AT TOP PROD. INTERVAL:

AT TOTAL DEPTH: As Above

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE,  
REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

### TEST WATER SHUT-OFF

## FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

PULL:OR ALTER CASING

**MULTIPLE COMPLETE**

## CHANGE ZONES

ABANDON\*

(other)

SUBSEQUENT REPORT OF:

RECEIVED

MAY 19 1980

U. S. GEOLOGICAL SURVEY

ARTESIA, NEW MEXICO

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

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.)\*

1. Rig up, install BOP. POH w/ 1 jt tbg.
2. RIH w/tbg & pkr, locate csg leak.
3. Squeeze cmt leak thru cmt retr w/amt & kind cmt to be determined by pump in rate. WOC.
4. Drill out retr & cmt. Press test squeeze job to 1000# for 30 mins. Return to TA status.

RECEIVED

MAY 20 1980

C. C. D.  
ARTESIA, OFFICE

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

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

SIGNED [Signature] TITLE Dist. Drlg. Supt DATE 5-14-80

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

Form 9-331  
Dec. 1973Form Approved.  
Budget Bureau No. 42-R1424UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## 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 Form 9-331-C for such proposals.)

1. oil ☒ well gas ☐ well other ☐
2. NAME OF OPERATOR ARCO Oil & Gas Company  
Division of Atlantic Richfield Company
3. ADDRESS OF OPERATOR  
P.O. Box 1710, Hobbs, N.M. 88240
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 990' FSL & 355' FEL  
AT TOP PROD. INTERVAL:  
AT TOTAL DEPTH: as above

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

## REQUEST FOR APPROVAL TO:

- TEST WATER SHUT-OFF ☐
- FRACTURE TREAT ☐
- SHOOT OR ACIDIZE ☐
- REPAIR WELL ☐
- PULL OR ALTER CASING ☐
- MULTIPLE COMPLETE ☐
- CHANGE ZONES ☐
- ABANDON\* ☐
- (other) ☐

## SUBSEQUENT REPORT OF:

- ☐
- ☐
- ☒
- ☐
- ☐
- ☐
- ☐
- ☐

RECEIVED

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

MAR 24 1980

U.S. GEOLOGICAL SURVEY  
ARTESIA, NEW MEXICO

5. LEASE  
LC-031844
6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

RECEIVED

8. FARM OR LEASE NAME

Fren Oil Co.

MAR 27 1980

9. WELL NO.

16

10. FIELD OR WILDCAT NAME

Cedar Lake Abo

O. C. D.

ARTESIA, OFFICE

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

19-17S-31E

12. COUNTY OR PARISH

Eddy

13. STATE

N.M.

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)  
4055'

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.)\*

- Rigged up 3-1-80, killed well, installed BOP & POH w/ comp assy.
- RIH w/pkr. Press up csg to 1350# for 30 mins, no leak. Circ hole w/ FW, press up to 1350#, no leak. Pmpd dwn 8- 5/8" annulus 150#, then broke to 0#.
- Ran Micro-Seismogram-Fractur finder bond log. 6910' - surf. TOC @ 1640'. Temp survey indicated wtr being injected @ 140'.
- Perf'd csg @ 1440-42' w/2JSPF.
- RIH w/cmt retr set retr @ 1410'. Pmpd 340 sx Cl C Cmt w/ 2% CaCl. Circ to surf. WOC. Pumpd 1000 gal Flo Check, 300 sx Cl C w/2% CaCl, 3# sd, 3/10 of 1% CFRZ 2250#. RO 1 bbl. cmt. WOC.
- Drld out retr & cmt @ 1410'. Ran bit to 6918'. Displ hole w/FW, press csg to 1000# for 30 mins. OK. POH w/tbg.
- RIH w/1 jt tbg, flanged up tbg hd, closed valve, shut in on 3-12-80, Temp. Aband after reprg water flow. Final Report

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

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

SIGNED

*George H. Stewart*

TITLE Dist. Drlg. Supt. DATE

3-18-80

(Orig. Sgd.)

GEORGE H. STEWART

(This space for Federal or State office use)

DISTRICT ENGINEER

APPROVED BY

TITLE

DATE

MAR 20 1980

CONDITIONS OF APPROVAL, IF ANY:



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

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 Form 9-331-C for such proposals.)

1. oil well ☒ gas well ☐ other ☐

2. NAME OF OPERATOR **ARCO Oil and Gas Company**  
Division of Atlantic Richfield Company

3. ADDRESS OF OPERATOR  
Box 1710, Hobbs, New Mexico 88240

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.) 990' FSL & 355' FEL  
AT SURFACE:  
AT TOP PROD. INTERVAL:  
AT TOTAL DEPTH: As above

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>		<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>		<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>		<input type="checkbox"/>
REPAIR WELL	<input checked="" type="checkbox"/>		<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>		<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>		<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>		<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>		<input type="checkbox"/>
(other)			

5. LEASE

LC-031844

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

RECEIVED

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Fren Oil Company

9. WELL NO.

16

10. FIELD OR WILDCAT NAME

Cedar Lake Abo

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

19-17S-31E

12. COUNTY OR PARISH

Eddy

13. STATE

NM.

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)

4055' GR

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

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.)\*

1. Rig up, install BOP & POH w/compl assy.
2. Run temp survey & locate water flow.
3. RIH w/CIBP & pkr, set pkr @ various intervals, locate csg leak. POH w/pkr.
4. RIH w/cmt retr, set above csg leaks & cmt squeeze leaks w/amt cmt to be determined. Drill out cmt squeeze jobs and press test to 1000# for 30 mins.
5. Run 1 jt tbg, flange up wellhead, close 2" 2000# WOG valve, leave temporarily abandoned.

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

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

SIGNED [Signature] TITLE Dist. Drlg. Supt. DATE 3/3/80

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE MAR 06 1980  
CONDITIONS OF APPROVAL, IF ANY:



Form 9-331  
(May 1963)UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYSUBMIT IN THE  
(Other instruct. on re-  
verse side)Form approved.  
Budget Bureau No. 42-R1421.

5. LEASE DESIGNATION AND SERIAL NO.

LC 031844

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Fren Oil Co.

9. WELL NO.

16

10. FIELD AND POOL, OR WILDCAT

Cedar Lake-Abo

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

Sec. 19, T-17S, R-31E

12. COUNTY OR PARISH 13. STATE

Eddy

N.M.

1. OIL WELL ☐ GAS WELL ☐ OTHER ☒ Temporarily Abandoned

2. NAME OF OPERATOR

Atlantic Richfield Company

3. ADDRESS OF OPERATOR

P. O. Box 1978, Roswell, New Mexico 88201

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface

990' FSL &amp; 355' FEL (Unit letter P)

14. PERMIT NO.

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

4055' GR

## 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) T.A. Abo zone ☒REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT\* ☐(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.)\*

We have temporarily abandoned the Abo zone by setting a CIBP at 6918', loaded 5½" casing with treated fresh water. Job complete @ 11:50 AM 1/14/71. We will hold upper part of hole for possible recompletion in upper zone waterflood operations. Well was capped with master valve.

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

SIGNED

*R. L. Beekma*

TITLE

Dist. Drlg. Supervisor

DATE

1/20/71

(This space for Federal or State office use)

APPROVED

SIGNATURES OF APPROVAL, IF ANY:

TITLE

DATE

JAN 21 1971

R. L. BEEKMA.

\*See Instructions on Reverse Side

RECEIVED  
JAN 21 1971  
U. S. GEOLOGICAL SURVEY  
ARTESIA, NEW MEXICO

Form 9-330

Appraisal expires 12-31-60.

U. S. LAND OFFICE Las Cruces  
SERIAL NUMBER 031814  
LEASE OR PERMIT TO PROSPECT Max Friess

A 10x10 grid with a black dot in the bottom right corner. The grid is composed of 10 columns and 10 rows. A single black dot is located in the bottom right corner of the grid, specifically in the 10th column and 10th row.

## LOCATE WELL CORRECTLY

UNITED STATES

DEPARTMENT OF THE INTERIOR

RECEIVED

GEOLOGICAL SURVEY

OCT 16 1961

## 2. SURVEY

CONFIDENTIAL - FRODO

# LOG OF OIL OR GAS WELL

Company FRENCH OIL COMPANY Address 208 Hills Bldg.-El Paso, Texas  
 Lessor or Tract Max Friess Field Cedar Lake Abo State New Mexico  
 Well No. 16 Sec. 19 T. 17S. R. 31E. Meridian N.M.P.M. County Eddy  
 Location 990 ft. 10 of south Line and 355 ft. 10 of east Line of Section 19 Elevation 3611 ft.

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed

Date October 14, 1961

Title ~~Number of Partnership~~

The summary on this page is for the condition of the well at above date.

Commenced drilling August 24, 1961 Finished drilling September 14, 1961

### OIL OR GAS SANDS OR ZONES

(Denote gas by  $G$ )

No. 1, from 1833' to 1840' - G      No. 4, from 3059' to 3062' 0.2 G.  
 No. 2, from 1935' to 1945' 0.2 G.      No. 5, from 3073' to 3084' 0.2 G.  
 No. 3, from 2920' to 2922' 0.2 G.      No. 6, from 3220' to 3225' 0.2 G.

## IMPORTANT WATER SANDS

No. 1, from 380' to 305' No. 3, from no water to Abo  
No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 4, from \_\_\_\_\_ to \_\_\_\_\_

## CASING RECORD

[illegible]

## MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
3-5/8"	1503'	100 Pozzix Cement (50/50)			27 sacks Gel
		2 21 s. Halliburton-Gel	Halliburton		3 " Line
		3 s. Calcium Chloride			
5 1/2"	701.8'	50 s. Pozzix Cement (50/50); 50 sacks Cement -			17 sacks Gel

## PLUGS AND ADAPTERS

Heaving plug—Material \_\_\_\_\_ Length \_\_\_\_\_ Depth set \_\_\_\_\_

[illegible]

NEW MEXICO OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico

(Form C-104)  
Revised 7/1/57

REQUEST FOR (OIL) - (GAS) ALLOWABLE

RECEIVED  
New Well  
Recompletion  
SEP 26 1961  
DISTRICT OFFICE

This form shall be submitted by the operator before an initial allowable will be assigned to any completed Oil or Gas well. Form C-104 is to be submitted in QUADRUPLICATE to the same District Office to which Form C-101 was filed. The allowable will be assigned effective 7:00 A.M. on date of completion or recompletion, provided this form is filed during calendar month of completion or recompletion. The completion date shall be that date in the case of an oil well when new oil is delivered into the stock tanks. Gas must be reported on 15.025 psia at 60° Fahrenheit.

Artesia, New Mexico September 20, 1961  
(Place) (Date)

WE ARE HEREBY REQUESTING AN ALLOWABLE FOR A WELL KNOWN AS:

Fren Oil Company Max Friess, Well No. 16, in SE 1/4 SE 1/4,  
(Company or Operator) (Lease)  
P, Sec. 19, T. 17, R. 31, NMPM, Cedar Lake - Abo und Pool  
Unit Letter

Eddy

County. Date Spudded 8-25-61 Date Drilling Completed 9-18-61  
Elevation 3600' Total Depth 7067' PSTD None

Please indicate location:

D	C	B	A
E	F	G	H
L	K	J	I
M	N	O	P

Top Oil/Gas Pay 6972' Name of Prod. Form. Abo

PRODUCING INTERVAL -

Perforations 6972-76, 6983-92

Open Hole Depth 7067' Casing Shoe 6912' Tubing

OIL WELL TEST -

Natural Prod. Test: 172 bbls. oil, bbls water in 24 hrs, min. Size Choke

Test After Acid or Fracture Treatment (after recovery of volume of oil equal to volume of load oil used): 175 bbls. oil, bbls water in 24 hrs, min. Size 3/4" Choke

GAS WELL TEST -

Natural Prod. Test: 172 MCF/Day; Hours flowed 24 Choke Size

Method of Testing (pitot, back pressure, etc.):

Test After Acid or Fracture Treatment: 275.336 MCF/Day; Hours flowed 24

Choke Size 3/4" Method of Testing: Skelly Oil Company

Acid or Fracture Treatment (Give amounts of materials used, such as acid, water, oil, and sand):

Perf. 19' 2 shot/ft. 250 Gallons Mud Acid

Casing 5000' Tubing 1150' Date first new Press. 5000' oil run to tanks September 18, 1961

Oil Transporter Mc Wood Corporation, Abilene, Texas

Gas Transporter Skelly Oil Company

Tubing, Casing and Cementing Record  
Size Feet Sax

8 5/8"	1503'	550
5 1/2"	7067'	1050
2 3/8"	6912'	-
-	-	-

Remarks:

I hereby certify that the information given above is true and complete to the best of my knowledge.

Approved SEP 26 1961, 19

OIL CONSERVATION COMMISSION

By: M L Armstrong

Title OIL AND GAS INSPECTOR

Fren Oil Company

(Company or Operator)

By: Max Enginger

(Signature)

Title Member of Partnership

Send Communications regarding well to:

Name Fren Oil Company

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102  
Supersedes C-128  
Effective 1-1-65  
JAN 21 1966

All distances must be from the outer boundaries of the Section.

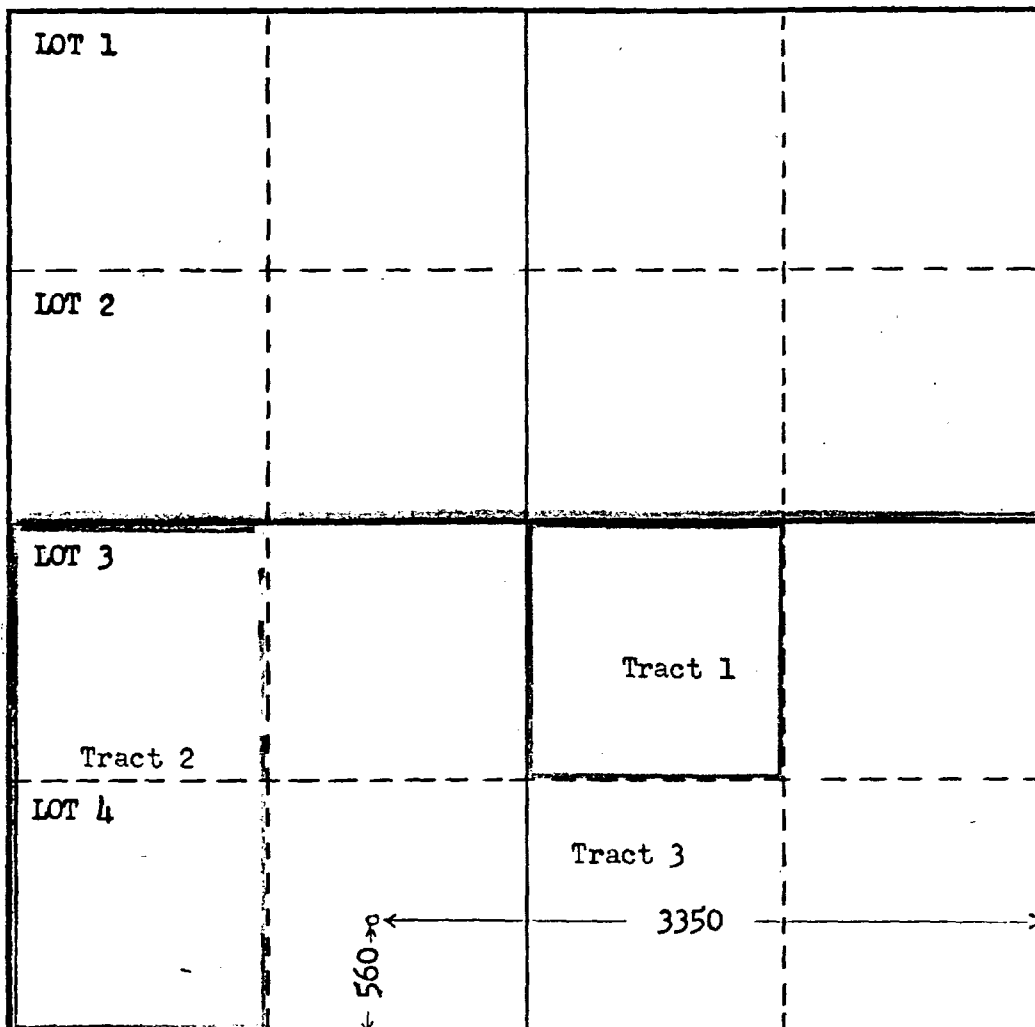
Operator <b>SINCLAIR OIL &amp; GAS COMPANY</b>			Lease <b>FREN OIL COMPANY GAS COM</b>			Well No. <b>ARTESIA, OFFICE 21</b>	
Unit Letter <b>N</b>	Section <b>19</b>	Township <b>17-SOUTH</b>	Range <b>31-EAST</b>	County <b>EDDY</b>			
Actual Footage Location of Well: <b>560</b> feet from the <b>SOUTH</b> line and <b>3350</b> feet from the <b>EAST</b> line							
Ground Level Elev. <b>3579</b>	Producing Formation <b>PENNSYLVANIAN MORROW</b>		Pool <b>UNDESIGNATED</b>		Dedicated Acreage: <b>305.32</b> Acres		

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☒ Yes ☐ No If answer is "yes," type of consolidation COMMUNITIZATION

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

*R. E. Cross, Jr.*  
Name

R. E. CROSS, JR.

Position  
ADMINISTRATIVE CLERK

Company  
SINCLAIR OIL & GAS CO.

Date  
JANUARY 19, 1966

*And*  
I hereby certify that the well location shown on this plat 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.

0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0

RECEIVED.

JAN 21 1966

O. C. C.  
ARTESIA, OFFICE

SINCLAIR OIL & GAS COMPANY - OPERATOR

FREN OIL COMPANY GAS COM WELL NO. 21

UNDESIGNATED POOL

DESCRIPTION OF LEASES:

TRACT NO. 1:

LESSOR:	UNITED STATES OF AMERICA LC 060409
LEASE DATE:	December 31, 1938
LESSEE:	Maximilian Friess
LESSEE OF RECORD:	Kennedy Oil Company
WORKING INTEREST OWNER:	Kennedy Oil Company - ALL
ROYALTY:	United States of America - STEP SCALE RATE 12-1/2% to 16-2/3%
ORR:	Sinclair Oil & Gas Company - SLIDING SCALE RATE 12-1/2% to 16-2/3%
DESCRIPTION:	NW/4 SE/4 Section 19, T-17-S, R-31-E, 40 acres more or less

TRACT NO. 2:

LESSOR:	STATE OF NEW MEXICO B-3627
LEASE DATE:	December 10, 1934
LESSEE:	E. Ruth Platt
LESSEE OF RECORD:	Kennedy Oil Company
WORKING INTEREST OWNER:	O. H. Randel 50% Lena Mizel 8.3333% Morris Mizel 4.1667% Sam Mizel 20.8333% Bedford American Petroleum Corp. 16.6667%
ROYALTY:	State of New Mexico 12.5%
ORR:	None
DESCRIPTION:	Lots 3 & 4, W/2 SW/4 Section 19, T-17-S, R-31-E, 65.32 acres more or less

TRACT NO. 3:

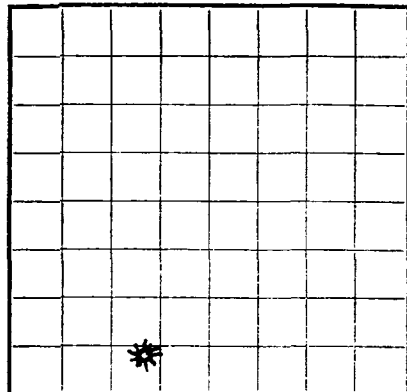
LESSOR:	UNITED STATES OF AMERICA LC 031844
LEASE DATE:	December 31, 1938
LESSEE:	Maximilian Friess
LESSEE OF RECORD:	Sinclair Oil & Gas Company
WORKING INTEREST OWNER:	Sinclair Oil & Gas Company - ALL
ROYALTY:	United States of America - SLIDING SCALE 12-1/2% to 16-2/3%
ORR:	None
DESCRIPTION:	E/2 SW/4, SW/4 SE/4 & E/2 SE/4 Section 19, T-17-S, R-31-E, 200 acres more or less

# ILLEGIBLE

Form 9-330

N. M. O. & G. COPY

Budget Bureau No. 42-R355.4.  
Approval expires 12-31-60.



LOCATE WELL CORRECTLY

RECEIVED

AUG 12 1965

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
ARTESIA, NEW MEXICO

GEOLOGICAL SURVEY

RECEIVED

JUL 22 1965

U. S. GEOLOGICAL SURVEY  
ARTESIA, NEW MEXICO

LAS CRUCES  
U. S. LAND OFFICE  
SERIAL NUMBER 031844  
LEASE OR PERMIT TO PROSPECT LEASE

## LOG OF OIL OR GAS WELL

Company FREN OIL COMPANY - Suite 9-P Address 913 El Paso National Bank Bldg., El Paso, Texas 79901  
Lessor or Tract Max Friess - Lease Field Wildcat State New Mexico  
Well No. 21 Sec. 19 T. 17S. R. 11E. Meridian N.M.P.M. County Eddy  
Location 560 ft. [N.] of south line and 3350 ft. [E.] of east line of Section 19 Elevation 3579' G.L.  
(Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed

*Max Eminger*

Date July 20, 1965

Title Member of Partnership

The summary on this page is for the condition of the well at above date.

Commenced drilling March 27, 1965 Finished drilling June 13, 1965

### OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 11139' to 11154' (G) No. 4, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from 11204' to 11227' (G) No. 5, from \_\_\_\_\_ to \_\_\_\_\_  
No. 3, from \_\_\_\_\_ to \_\_\_\_\_ No. 6, from \_\_\_\_\_ to \_\_\_\_\_

### IMPORTANT WATER SANDS

No. 1, from \_\_\_\_\_ to \_\_\_\_\_ No. 3, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 4, from \_\_\_\_\_ to \_\_\_\_\_

### CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
13-3/8"	48	8	Seamless	3225'	Oil	Oil			Oil string

### MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13-3/8"	369'	300	Halliburton		
9-5/8"	3210'	600	"		
7"	12275'	575 (1st stage 350) and (2nd " 225)	"	balance mud	

### PLUGS AND ADAPTERS

Heaving plug—Material \_\_\_\_\_ Length \_\_\_\_\_ Depth set \_\_\_\_\_

OLD MARK

FOLD MA

7<sup>th</sup> 12275' 575 (1st stage 350) " " balance and  
and (2nd " 225) " "

PLUGS AND ADAPTERS

Heaving plug—Material \_\_\_\_\_ Length \_\_\_\_\_ Depth set \_\_\_\_\_

Adapters—Material \_\_\_\_\_ Size \_\_\_\_\_

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

TOOLS USED

Rotary tools were used from surface feet to 12299' feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

DATES

July 22, \_\_\_\_\_, 19 55 Put to producing shut-in, 19 \_\_\_\_\_

Test for production for the 1st 24 hours was 116 barrels of distillate which \_\_\_\_\_ % was oil; \_\_\_\_\_ %  
emulsion; No % water; and \_\_\_\_\_ % sediment. Gravity, °Bé. \_\_\_\_\_

If gas well, cu. ft. per 24 hours 1.600 MCF. 346 Bbls. of distillate ft. of gas on 17/64" Choke

Rock pressure, lbs. per sq. in. 5192#

EMPLOYEES

\_\_\_\_\_, Driller \_\_\_\_\_, Driller  
\_\_\_\_\_, Driller \_\_\_\_\_, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	340	340	Red beds, sm. thin bands
340	1130	1090	Salr, anhy., gyp., sm. red beds
1130	2800	1870	Dolomite, red & gry. f.g.sd. & red sh. anhy.
2800	3205	405	" with thin gry.f.g.sd. zones
3205	4730	1525	Dolomite
4730	6914	2184	<del>XXXXXXXXXX</del> Predom. dirty brn to blk.shly, cherty
6914	6920	6	Green shale
6920	7300	380	Reef dolomite
7300	8120	820	Light colored anhy'tic dolomite
8120	8950	830	Predom. lime with thin zones of dolo. & sh.
8950	10375	1425	Alternating gry. to blk. calc. sh. & lime
10375	10620	245	zones, some chert, more shale than lime;
10620	11554	934	Predom. lime, sdy., sl.chty. sm. gzt. 'tic sd.;
			" gry. to blk. sh. with few thin sd.
			and lime zones;
11554	11688	134	Lime at top and predom. sh. at bottom
11688	12219	531	Solid lime, cherty in upper half
12219	12281	62	Brn. to blk.sh.
12281	12299	18	Porous white dolomite.

FORMATION Tops: (all electric logs except Devonian)

Rustler	340'	Cisco Line	9230'
Yates	1130'	Strawn Line	10376'
Queen	2393'	Bend	10620'
San Andres	3205'	Morrow Line	10975'
Glennetta	4730'	Loxley	11554'
Abo Grn. Sh.	6914'	Lower Missourian	11688'
Abo Reef	6920'	Woodford	12219'
Wolfcamp Line	8120'	Devonian	12281'

EOB771102

EOB771102 BECCO

Sinclair Oil Corporation Merged  
into Atlantic Richfield Company  
effective March 4, 1964

30-015-106 10

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

RECEIVED

Form C-102  
Supersedes C-128  
Effective 1-1-65

JAN 21 1966

SINCLAIR OIL CORPORATION

All distances must be from the outer boundaries of the Section.

Operator Sinclair Oil & Gas Company		Lease OCT 1 - 1968		Fren Oil Company		O. C. Well No. ARTESIA, OFFICE 21	
Unit Letter N	Section 19	Township 17-S	Range 31-E	County Eddy			
Actual Footage Location of Well: 560 feet from the South line and 3350 feet from the East line							
Ground Level Elev. 3579	Producing Formation Abo		Pool Cedar Lake - Abo			Dedicated Acreage: 40 Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation \_\_\_\_\_

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) \_\_\_\_\_

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.

Lot 1			
Lot 2			
Lot 3			
Lot 4			

21' ← 3350' →

560'

CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Name

R. E. Cross, Jr.

Position

Administrative Clerk

Company

Sinclair Oil & Gas Company

Date

January 20, 1966

I hereby certify that the well location shown on this plat 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.

0 1650 1980 2310 2640 2000 1500 1000 500 0

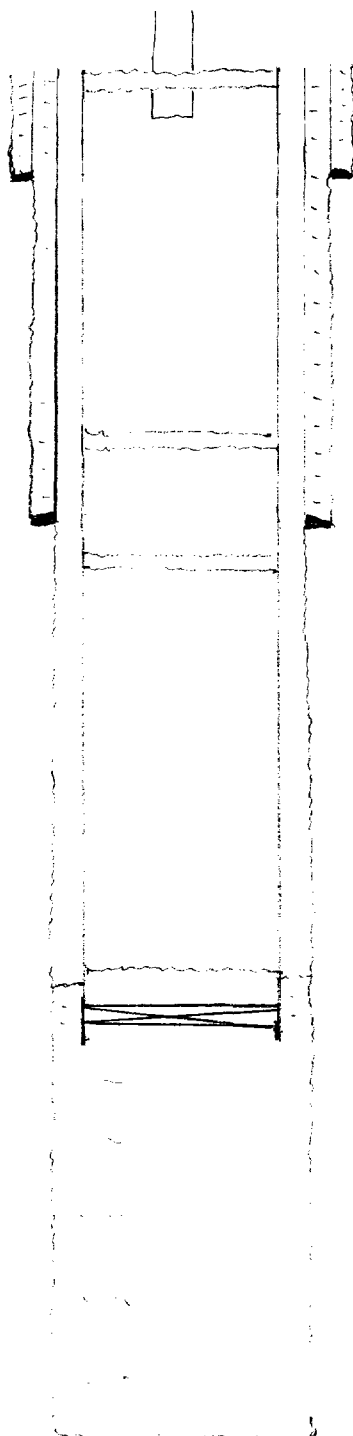


# TURNER 'B' No. 58

13<sup>3</sup>/<sub>8</sub>" x 35.6# @ 230'

9<sup>5</sup>/<sub>8</sub>" x 36,40# @ 3825'

5<sup>1</sup>/<sub>2</sub>" x 17#, N-80 @ 9900'



DRY HOLE MARKER

CEMENT PLUG SET 3787-3863'

CEMENT PLUG SET 4895'-5000'  
5<sup>1</sup>/<sub>2</sub>" CASING SHOT-OFF 5003'

CAPPED W/ CEMENT 9674'

5<sup>1</sup>/<sub>2</sub>" TITAN CIBP 9694'

TD-13,714'

N. M. O. C. C. COPY  
UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY  
SUBMIT - TRIPLICATE\*  
(Other 1 ctions on re-  
verse side,Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

LC 029395 (b)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Turner "B"

9. WELL NO.

58

10. FIELD AND POOL, OR WILDCAT

Undesignated

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

Sec. 29, T17S, R31E

12. COUNTY OR PARISH

Eddy

13. STATE  
N.M.1. OIL WELL ☒ GAS WELL ☐ OTHER ☐ P & A

2. NAME OF OPERATOR

Atlantic Richfield Company

3. ADDRESS OF OPERATOR

P. O. Box 1978, Roswell, New Mexico 88201

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface

1650' FNL &amp; 660' FWL (Unit Letter E)

14. PERMIT NO.

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

3644' GR

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)

FULL 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\*

(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.)\*

This well has been plugged &amp; abandoned in the following manner:

Set 5½" Titan CIBP @ 9694' WLM. Capped w/3 sx cement to 9674'.  
JC @ 8:00 PM 10/7/71. Shot 5½" casing off @ 5003' WLM. Recovered  
157 jts (4960.57') of 5½" OD 8R 17# J-55 & N-80 casing. Spotted  
35 sk cement plug 4895-5000', 35 sk cement plug 3787-3863'. Placed  
10 sk cement plug in top of well. Installed dry hole marker.  
9#/gal gel mud was left between all plugs. 13-3/8" and 9-5/8" csg  
remain intact. Well P & A 10/12/71.

Verbal permission to set CIBP received from Mr. Beekman on 10/5/71.

RECEIVED

OCT 15 1971

U. S. GEOLOGICAL SURVEY  
ARTISIAN, NEW MEXICO

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

SIGNED

C.D. Bletcher

TITLE Dist. Drlg. Supervisor

DATE 10/13/71

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

\*See Instructions on Reverse Side

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYSUBMIT IN DUPLICATE\*  
(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.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. LC 029395 (b)	
2. NAME OF OPERATOR Atlantic Richfield Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. ADDRESS OF OPERATOR P. O. Box 1978, Roswell, New Mexico 88401		7. UNIT AGREEMENT NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1650' FNL & 660' FWL (Unit letter E)		8. FARM OR LEASE NAME Turner "B"	
14. PERMIT NO.		9. WELL NO. 58	
15. ELEVATIONS (Show whether OF, RT, GR, etc.) 3644' GR		10. FIELD AND POOL, OR WILDCAT Undesignated	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 29, T17S, R31E	
		12. COUNTY OR PARISH Eddy	
		13. STATE N.M.	

## 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\* ☐

(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.)\*

This well was drilled in 1959 and was not commercial in the deeper zones. On 1/7/60 a 10 sack cement plug from 9845-9757 was set and the 5½" casing was filled with heavy mud. We propose to P & A the well as follows: Note: The wellbore is not needed in Grayburg Jackson waterflood operations.

1. Shoot off and pull 5½" csg from free point (top of cmt @ 9430').
2. Set these cement plugs leaving 9#/gal gel mud between them:  
35 sx @ 5½" stub  
35 sx across top of Wolfcamp @ 8400' if 5½" stub below this depth.  
35 sx across top of Tubb @ 6552' if 5½" stub below this depth.  
35 sx across top of Glorieta @ 5020' if 5½" stub below this depth.  
35 sx in & out of 9-5/8" shoe @ 3825'.  
10 sx in top of well.

Erect dry hole marker. Clear and level location. 13-3/8" and 9-5/8" casing to remain intact.

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

SIGNED

*C. D. Dretches*

TITLE

Dist. Drlg. Supervisor

DATE

9/27/71

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

APPROVED

SEP 29 1971

R. L. BEEKMAN

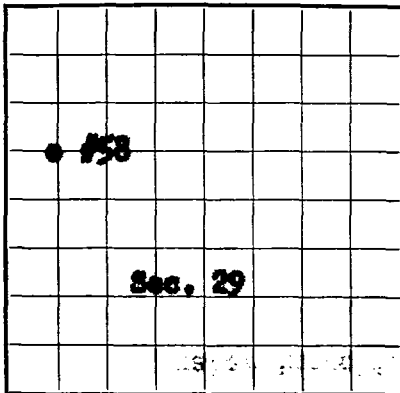
\*See Instructions on Reverse Side

# ILLEGIBLE

Form 9-330

Bureau No. 42-R355.4  
 Approved expires 12-31-60.

U. S. LAND OFFICE **Las Cruces**  
 SERIAL NUMBER **029395-b**  
 LEASE OR PERMIT TO PROSPECT



RECEIVED

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

MAR 31 1960

O. C. C.  
 ARTESIA, OFFICE

## LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company **Sinclair Oil & Gas Company** Address **520 E Broadway, Hobbs, New Mexico**

Lessor or Tract **Turner "B" SP** Field **Wildcat** State **New Mexico**

Well No. **58** Sec. **29** T **17S** R **31E** Meridian **NMPN** County **Eddy**

Location **1650** ft. **N** of **N** Line and **660** ft. **E** of **N** Line of **Sec. 29** Elevation **3614**  
 (Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed

Date **March 23, 1960**

Title **Dist. Supt.**

The summary on this page is for the condition of the well at above date.

Commenced drilling **August 27**, 19**59** Finished drilling **December 14**, 19**59**

**OIL OR GAS SANDS OR ZONES**

(Denote gas by G)

No. 1, from **None** to **None** No. 4, from **None** to **None**

No. 2, from **None** to **None** No. 5, from **None** to **None**

No. 3, from **None** to **None** No. 6, from **None** to **None**

### IMPORTANT WATER SANDS

No. 1, from **None** to **None** No. 3, from **None** to **None**

No. 2, from **None** to **None** No. 4, from **None** to **None**

### CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From	To	
13-3/4	35.6	8	Armo	230					Surface
9-5/8	36.10	8	Armo	3825					Intermediate
5-1/2	17	8	Armo	9900			9763	9765	Production

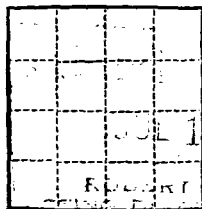
### MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13-3/4	230	300	Halliburton		
9-5/8	3825	2508	"		
5-1/2	9900	150	"		

PLUGS AND ADAPTERS



(SUBMIT IN TRIPLICATE)

Land Office Law Cross  
Lease No. 009395 (b)  
Unit Turner #2 SPUNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	<input checked="" type="checkbox"/>	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Well No. 58 is located 1600 ft. from N line and 660 ft. from W line of sec. 29  
SW 1/4 Section 29 17E 21E 104N  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Midland Midland New Mexico  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is \_\_\_\_\_ ft.

## DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

SINCLAIR OIL & GAS COMPANY'S WELL NO. 58, TURNER #2 SP LEASE

13-3/8" Csg	35.6'	200'	200 Sacks
9-5/8" Csg	36 #	3000'	2000 Sacks
7" OD Csg	26 #	14,500'	1000 Sacks

Propose to drill well with rotary tools to depth of approximately 14,500' to test the Kilbuck 14,000' to total depth.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company SINCLAIR OIL & GAS COMPANYAddress P. O. Box 1470Midland, Texas

By

R. D. SatterwhiteTitle Chief Clerk - Production Department

GPO 9 18 507

(See instructions for completing this form on the reverse side)

Certificate No. 676

Well Location and Acreage Dedication Plat

Section A.

Date July 8, 1959

Operator Sinclair Oil & Gas Company Lease Turner "B" SP  
 Well No. 98 Unit Letter E Section 29 Township 17 South Range 31 East NMPM  
 Located 1650 Feet From North Line, 660 Feet From West Line  
 County Midland G. L. Elevation \_\_\_\_\_ Dedicated Acreage 40 Acres  
 Name of Producing Formation Ellenburger Pool Wildcat

1. Is the Operator the only owner\* in the dedicated acreage outlined on the plat below?  
 Yes X No \_\_\_\_\_.
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

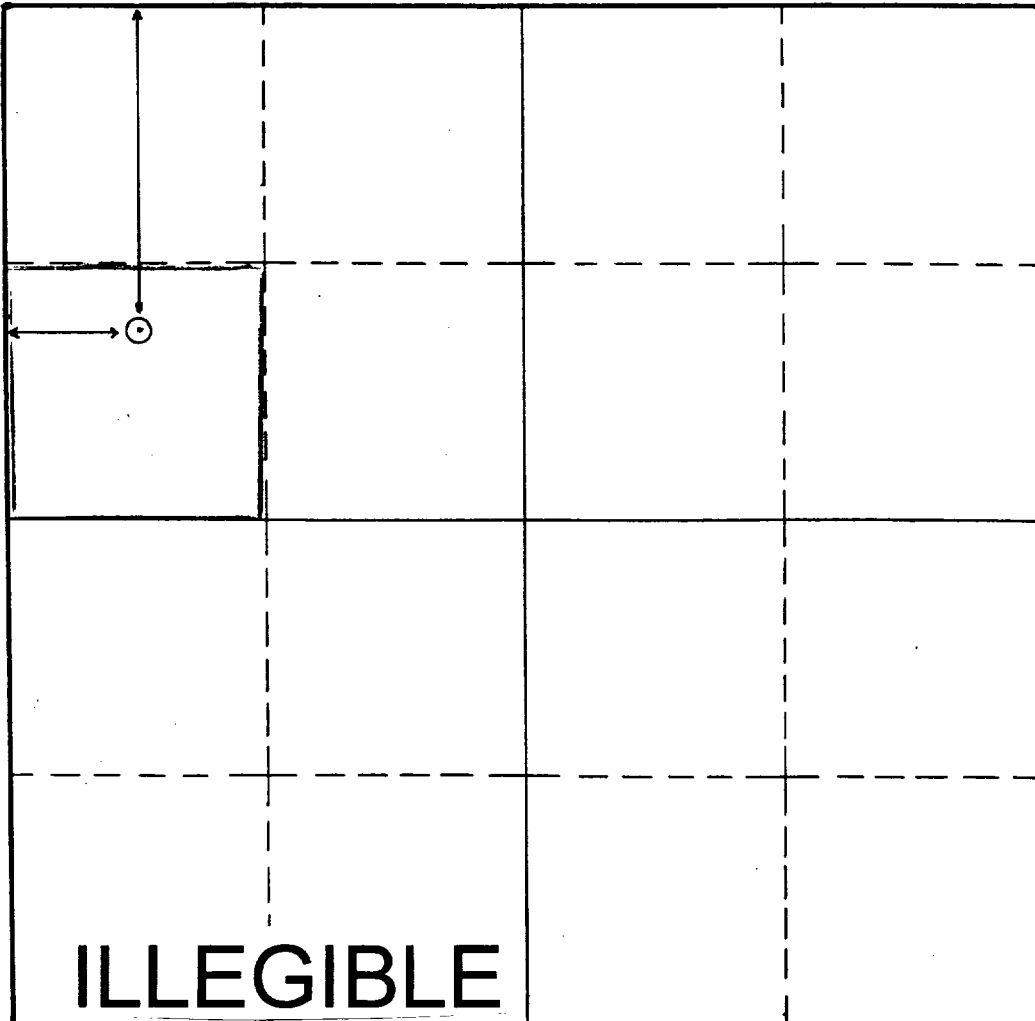
Land Description

RECEIVED

JUL 13 1959

U. S. DEPARTMENT OF THE INTERIOR  
 ARTESIA, NEW MEXICO

Section B



This is to certify that the information in Section A above is true and complete to the best of my knowledge and belief.

Sinclair Oil & Gas Company

(Operator)

L. D. Satterwhite

(Representative)

P. O. Box 1470  
Midland, Texas

Address

This is to 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 July 9, 1959

John W. West  
 Registered Professional  
 Engineer and/or Land Surveyor.

Certificate No. 676

(See instructions for completing this form on the reverse side)

N. M. O. C. C. COPY  
UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Form Approved.  
Budget Bureau No. 42-R1424

5. LEASE DESIGNATION AND SERIAL NO.  
**LC 029395 (b)**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
**Turner "B" (B)**

9. WELL NO.  
**67**

10. FIELD AND POOL, OR WILDCAT  
**Grayburg-Jackson**

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
**Sec. 20, T17S, R31E**

12. COUNTY OR PARISH  
**Eddy**

13. STATE  
**N.M.**

**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 **Water Injection Well**

2. NAME OF OPERATOR  
**Atlantic Richfield Company**

3. ADDRESS OF OPERATOR  
**P.O. Box 1978, Roswell, New Mexico 88201**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\* See also space 17 below.)  
**At surface**  
**1650' FSL, 660' FWL (Unit Letter L)**

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)  
**3625' 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 <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input checked="" type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>Add Perfs</u> <input checked="" type="checkbox"/>	

(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.)\*

MI & RU WL truck 1/30/70. Tagged bottom @ 3082' WLM. Perforated 3060-68 w/2 JSPF (GR-N log) thru 2" tbq. Treated perfs 3031-3068 w/2000 gallons 15% LSTNE HCl acid & ball sealers. Returned to water injection. Job complete 1/30/70.

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

SIGNED *A.D. Britches* TITLE Dist. Drlg. Supervisor DATE 2-4-70

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

ACCEPTED FOR RECORD PURPOSES  
1970

\*See Instructions on Reverse Side



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYSUBMIT IN THE  
(Other instructions  
reverse side)ICATE\*  
on re-Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

LC 029395 (B)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Turner "B"

9. WELL NO.

67

10. FIELD AND POOL, OR WILDCAT

Grayburg Jackson

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

20-T17S-R31E

1. OIL ☐ GAS ☐ OTHER ☒ Water Injection Well

2. NAME OF OPERATOR

ATLANTIC RICHFIELD COMPANY

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

1650' FSL and 660' FWL

14. PERMIT NO.

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

3625' GR

12. COUNTY OR PARISH

Eddy

13. STATE

New Mexico

## 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) Blank off Abo, squeeze Vacuum

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

(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.)\*

3-31-69 Set 4-1/2" CI bridge plug in 4-1/2" liner @ 6900' w/2 sks. cement on top.  
to PBTD 6890'. Cement squeezed Vacuum perfs. 3155-3180' w/100 sacks cement  
4-3-69 Incor Class C cement. WOC 24 hrs. Pressure tested casing to 800# for 30",  
Tested O.K. Ran 2-3/8" OD EUE tubing w/on & off tool set @ 2944'. Connected  
up well head and preparing to inject water into Premier perfs. 3031-3044'.  
Converted to Water Injection Well in Russell-Turner Waterflood Area 4-3-69  
Tubing Casing annulus filled w/treated water.

RECEIVED

APR 17 1969

O. C. C.  
ARTESIA, OFFICE

4-5-69 Injection began

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

SIGNED

L. M. Henderson

TITLE

Engineer

DATE

4-12-69

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

APR 15 1969

Orig &amp; 4cc: USGS, Artesia

cc: Southern Region (West Texas)

cc: file

\*See Instructions on Reverse Side

FOLD MARK

8-5/8 3800 900  
4-1/2 7221 760 Halliburton  
(NOTE: 4-1/2" liner set from 3697 to 7221 depth of 7221)  
PLUGS AND ADAPTERS  
Heaving plug—Material None Length \_\_\_\_\_ Depth set \_\_\_\_\_  
Adapters—Material None Size \_\_\_\_\_

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
None						

TOOLS USED

Rotary tools were used from Surface feet to 7221 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

DATES

Put to producing \_\_\_\_\_, 19\_\_\_\_  
The production for the first 24 hours was 192 barrels of fluid of which 100 % was oil; \_\_\_\_\_ %  
emulsion; \_\_\_\_\_ % water; and \_\_\_\_\_ % sediment.  
If gas well, cu. ft. per 24 hours \_\_\_\_\_  
Rock pressure, lbs. per sq. in. \_\_\_\_\_  
Gallons gasoline per 1,000 cu. ft. of gas 12.2

EMPLOYEES

\_\_\_\_\_, Driller  
W.S. Tadlock, Driller  
B.J. Green, Driller  
\_\_\_\_\_, Driller  
D.W. Harrison, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1386	1386	Anhydrite
1386	1717	331	Anhydrite & Salt
1717	3044	1327	Anhydrite & Lime
3044	7223	4179	Lime
7223 - Total Depth			
COLE #1	1717-1723	6	Yates
COLE #2	1723-1723	0	Seven Rivers
COLE #3	1723-1723	0	Queen
COLE #4	1723-1723	0	Greenburg
COLE #5	1723-1723	0	San Andres
COLE #6	1723-1723	0	Abilene
COLE #7	1723-1723	0	Abilene

ILLEGIBLE

16-43094-2 D. S. GOVERNMENT PRINTING OFFICE

DATE	DEL. FROM	INSTR.	MARK	AMOUNT	KIND OF SPOT	SPOT AND BILLED FROM	FROM —	TO —	REMARKS
7223	Abn	(Total)							

7-13-60 Set 4-1/2" OD casing liner 8/3697 to 7221 w/760 lbs cement-cement circulated.

7-10-60 <sup>100H</sup> Set CI Retained <sup>60</sup> at 7050 & squeezed <sup>100H</sup> & peris <sup>60</sup> 7100-7125 w/13 sbs at 5200#.  
(Reviewers use pgs 2)

7-21-60 Drilled cement & retainer on 7106 & tested squeezed perfs. w/1000 lbs pp  
for 30 mins - no decrease in pressure. Jet perforated 1-1/2" along  
7099-7106 w/14 1/2" casing.

7-22-60 The summary on this page is for the condition of the well at above date.  
Date: 7/22/60 Run tubing & packer & mud acidized perforations 7092-7104 at 1500 psi. Mud Press 3300 psi, in rate 1/3 BPM. Swabbed 10 bbl formation water per hour, no oil or gas.

7-23-60 **10897** - set CI marker at **1090** and spaced parts **1099-7106** w/1/4" stainless  
at **5000'** of **1090** and **1099** of **1090** of **266° 30'** Elevation **3952**  
Tested w/2000' pump pressure **1090** - no decrease in pressure.

7-24-60 1st perforated 7043-7051 w/12 1/2" holes in pipe 35 tubing & packing attempted to mud seal well w/250 gals at 6000', pulled tubing and packer.

7-25-60 Reperforated 2/7018-54 w/12 1/2" holes, mud acid washed w/250 gals, Max Press 3000#, Min Press 3200#, int rate 1/4 BPM, 10 min SIP on vacuum, scrubbed dry w/good shiny gas.

7-26-60 7080PS - Abs - Acidized w/1000 gals 15% LST Acid, Max Press 3600#, Min Press 3100#, Inj Rate 3.1 BPH. Scrubbed & cleaned up. ON 12 HOUR POTENTIAL TEST - well flowed 96 bbls new 12.2 gravity API through 1/2" choke. tubing press: 50#, Casing Press: Packer, GOR 1810 to 1. FINAL REPORT - completed as an oil well.

UNITED STATES  
DEPARTMENT OF THE ARMY  
OFFICE OF THE CHIEF OF STAFF  
WASHINGTON, D. C. 20315  
SEC. 50-113-318

FORM 9-330

7-16-60

ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED  
DATE 11-18-2000 BY SP-6 BTJ/KJS

ILLEGIBLE

(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office \_\_\_\_\_

Lease No. \_\_\_\_\_

Unit \_\_\_\_\_

MAY 25 1960

O. C. C.  
TESIA, OFFICE

## SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....
NOTICE OF INTENTION TO ABANDON WELL.....	

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

May 39

1960

Well No. 67 is located 1550 ft. from N line and 660 ft. from E line of sec. 20  
SW/4 Sec. 20 17S 3E R2M  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Undesignated Elbert New Mexico  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is \_\_\_\_\_ ft.

## DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Sinclair Oil & Gas Company's Well No. 67, Turner "B" SP Lease

10-3/4" Csg.	26.52#	1750'	300 Saz
7" Csg.	20#	3800'	1500 Saz
4-1/2" Csg.	9.5#-11.60#	7100'	500 Saz

Propose to drill with rotary tools to a depth of approximately 7100' to test Abu Reef 6750' to 7100'.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Sinclair Oil & Gas CompanyAddress P. O. Box 1470Midland, TexasBy R. D. Satterwhite  
Title Chief Clerk, Production Dept.

ILLEGIBLE

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

FORM C-128  
Revised 5/1/57

SEE INSTRUCTIONS FOR COMPLETING THIS FORM ON THE REVERSE SIDE

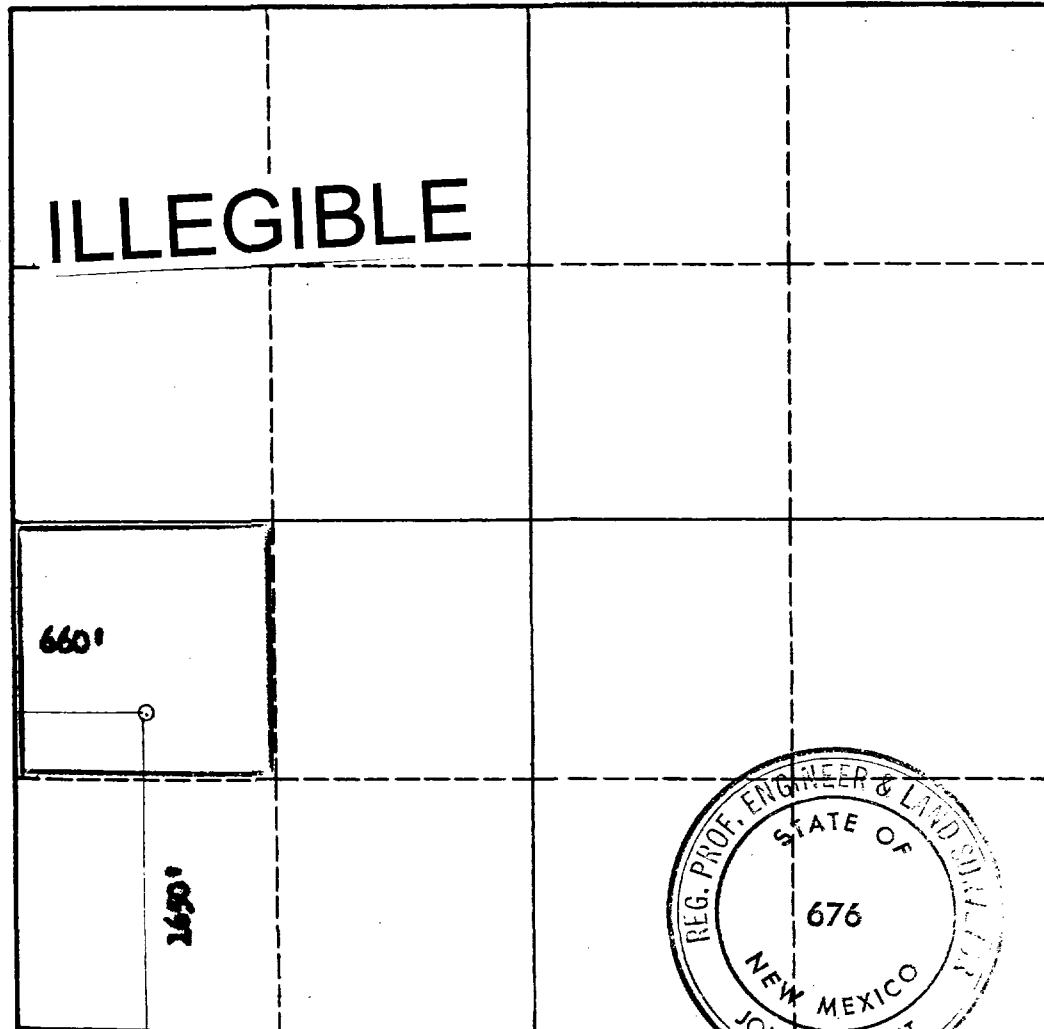
SECTION A

Operator <b>Sinclair Oil &amp; Gas Company</b>		Lease <b>Turner "B" SP</b>		Well No. <b>67</b>
Unit Letter <b>L</b>	Section <b>20</b>	Township <b>17 South</b>	Range <b>11 East</b>	County <b>Eddy</b>
Actual Footage Location of Well: <b>1650</b> feet from the <b>South</b> line and <b>660</b> feet from the <b>West</b> line				
Ground Level Elev.	Producing Formation <b>Alto Reef</b>	Pool <b>Undesignated</b>	Dedicated Acreage: <b>40</b> 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



CERTIFICATION

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

Name *[Signature]*  
Position  
**Div. Clerk Prod. Dept.**  
Company  
**Sinclair Oil & Gas Company**  
Date  
**May 19, 1960**

*[Signature]*  
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  
**5/20/60**  
Registered Professional Engineer and/or Land Surveyor

*[Signature]*  
Certificate No. **676**

0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0

(November 1983)  
(Formerly 9-331)

DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

(Other instruction  
verse side)

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 <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	5. LEASE DESIGNATION AND SERIAL NO. LC 029395 (b)
2. NAME OF OPERATOR ARCO Oil and Gas Company	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P. O. Box 1610, Midland, Texas 79702	7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 330' FSL & 660' FWL (Unit M)	8. FARM OR LEASE NAME Turner "B"
	9. WELL NO. 70
	10. FIELD AND POOL, OR WILDCAT Cedar Lake - Abo
	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 20-17S-31E
14. PERMIT NO. 30-015-05301	15. ELEVATIONS (Show whether DF, RT, GR, etc.) 3627 GR
	12. COUNTY OR PARISH Eddy
	13. STATE NM

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREAT

MULTIPLE COMPLETION

FRACTURE TREATMENT

ALTERING CASING

SHOOT OR ACIDIZE

ABANDON\*

SHOOTING OR ACIDIZING

ABANDONMENT\*

REPAIR WELL

CHANGE PLANS

(Other)

(Other)

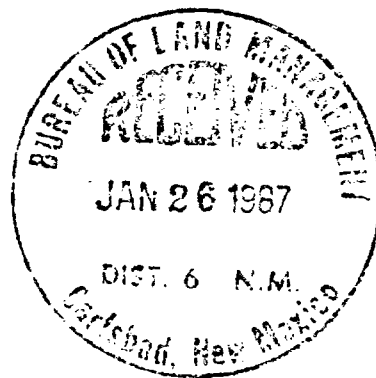
(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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.)

12-5-86. RU PU. P&A'd as follows:

Plug	Interval	Cmt	Remarks
1	6624-6980	25sx	Tag top CIBP @ 6980'. Spot 25 sx
2	3194-3550	25sx	Spot
3	2594-2950	25sx	Spot
4	1294-1650	25sx	Spot
5	0-425	30sx	Spot
6	2250-1894	25 sx	Spot

Installed dry hole marker. Well P&A'd 12-6-87



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

915-688-5672

SIGNED Ken A. Gosnell

TITLE Engr. Tech. Spec.

DATE 1-22-87

(This space for Federal or State office use)

Chris S. Pashien  
Area Manager

APPROVED BY  
CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

1-30-87

Post ID-2  
2-13-87  
P&A

\*See Instructions on Reverse Side

Approved and sealed by the Bureau of Land Management.  
Liability under this act is limited until  
surface restoration is completed.

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

## 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 <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR ARCO Oil and Gas Company - Division of Atlantic Richfield Company		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR P.O. Box 1610, Midland, Texas 79702		8. FARM OR LEASE NAME Turner "B"	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 330 FSL & 660 FWL (Unit M)		9. WELL NO. 70	
14. PERMIT NO. API #30-015-05301		10. FIELD AND POOL, OR WILDCAT Cedar Lake - Abo	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 3627 GR		11. SEC., T., E., M., OR BLK. AND SURVEY OR AREA 20-17S-31E	
		12. COUNTY OR PARISH Eddy	13. STATE New Mexico

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

## NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON\*

REPAIR WELL

CHANGE PLANS

(Other)

X

## SUBSEQUENT REPORT OF:

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT\*

(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.)\*

Propose to P&amp;A as follows:

1. 10 sx 6950-7000. CIBP w/50' cmt. (Perfs 7042-7058)
2. 25 sx 3194-3550. (Base of Grayburg - San Andres).
3. 25 sx 2594-2950. (Top of Grayburg - San Andres).
4. 25 sx 1894-2250. (Fren Seven Rivers).
5. 25 sx 1294-1650. (Shoe).
6. 25 sx 0-356. (Surface).

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

915-684-0312

SIGNED Ken W. GosnellTITLE Engr. Tech. Spec.DATE 12-17-85

(This space for Federal or State office use)

APPROVED BY Mark Smith  
CONDITIONS OF APPROVAL, IF ANY:TITLE ActingDATE 2-28-86

\*See Instructions on Reverse Side

Type of Job P & A Field Cedar Lake - Abo  
GL 3627  
TD 7200 PBD 7165 DATUM GL Elevation KB 3640 By: Steinert/Chivvis

Wellhead Information: \_\_\_\_\_

Casing Information:	Size	Wt.	Grade	Set @	Sx Cnt	Top
Surface	8-5/8	24	J-55	1600	900	Surf-circ
Intermediate						
Producing	4-1/2	11.6, 9.5	J-55	7200	1300	Surf-circ
Liner		(5457') (1743')				

Present Perf's: From 7042 To 7058 Holes 32 Stimulation 500 gal acid  
From \_\_\_\_\_ To \_\_\_\_\_ Stimulation \_\_\_\_\_

Present Open Hole: Size \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_ Stimulation \_\_\_\_\_

Tubing Data: Size 2-3/8 Wt. \_\_\_\_\_ Grade \_\_\_\_\_ Thd 8r Btmd @ \_\_\_\_\_  
Jts 1 Misc. \_\_\_\_\_

Packer \_\_\_\_\_ Depth \_\_\_\_\_ Tension \_\_\_\_\_ Comp \_\_\_\_\_  
Tbg Anchor \_\_\_\_\_

Miscellaneous: 1/71 Set CI bridge plug at 7010'. Well shut in.

PROCEDURE

1. Notify BLM of intention to P & A. MIRU PU. NU BOP.
2. POH w/one joint 2-3/8", 4.7#, J-55, EUE 8rd tubing w/2" valve.
3. TIH w/2-3/8" WS OE. Tag up on CIBP @ 7000'. Dump 50' CI "C" Neat on top of CIBP. Circulate w/9.5 ppg GBW (25#/bbl Gel). POH.
4. POH LD WS to 3550'. Set a balanced cement plug w/25 sx CI "C" Neat from 3550-3194'. (Base of Grayberg-San Andres plug).
5. POH LD WS to 2950'. Set a balanced cement plug w/25 sx CI "C" Neat from 2950-2594'. (Top of Grayberg-San Andres plug).
6. POH LD WS to 2250'. Set a balanced cement plug w/25 sx CI "C" Neat from 2250-1894'. (Fren Seven Rivers plug).
7. POH LD WS to 1650'. Set a balanced cement plug w/25 sx CI "C" Neat from 1650-1294'. (Shoe plug).
8. POH LD WS to 356'. Establish circulation. Cement 4-1/2" casing w/25 sx CI "C" Neat. POH. (Surface plug).
9. Install 4" x 4' steel marker w/well name, well number and well location stenciled or beaded on marker. The marker must be cemented permanently in the ground and the top



# General Purpose Worksheet

Subject	TURNER "B" NO. 70		Page No.	Of
File		By	RWC	Date 10-28-85

8 5/8" X 24# J-55 @ 1600'  
W/900 SX

1 JT 2 3/8" ENE BRD TBG W/2" valve  
TOC @ SURF. (CIRC.)

SALT @ UNK.

OTHER PRODUCING FM.  
FREN 7 RIVERS 2200'  
GRAYBERG-SAN ANDRES 2900'-3500'

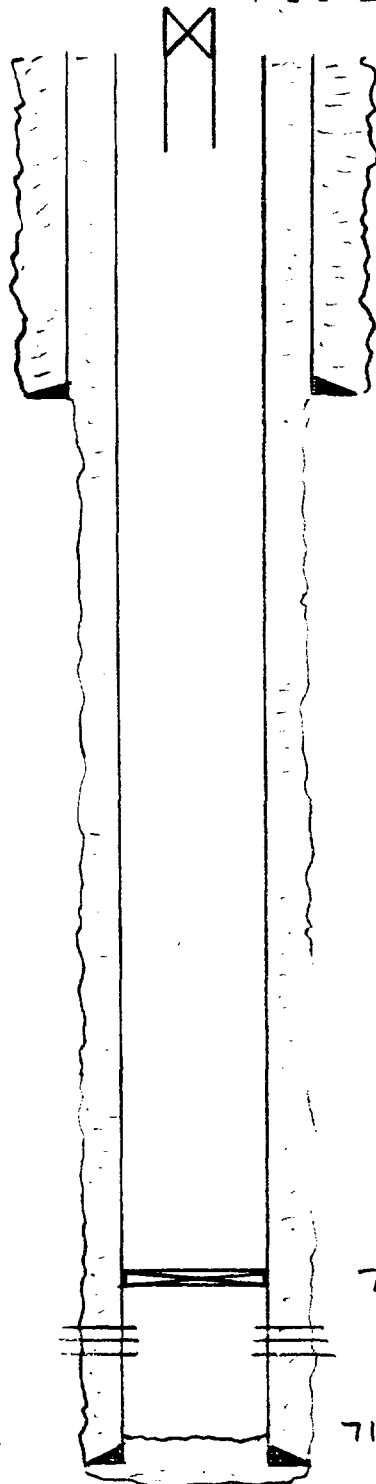
7000' C.I. BRIDGE PLUG TO  
ISOLATE PERFS @ 7042'-7058'

7165' PBD

4 1/2" X 11.6, 9.5# J-55 @ 7200'  
W/1300 SX

7200' T.D.

1.2.4000"



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYSUBMIT IN TRIPPLICATE\*  
(Other instructions on reverse side)Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

LC 029395 (b)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Turner "B"

9. WELL NO.

70

10. FIELD AND POOL, OR WILDCAT

Cedar Lake-Abo

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

Sec. 20, T-17S, R-31

12. COUNTY OR PARISH

Eddy

13. STATE

N.M.

## 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 ☒ Temporarily Abandoned
2. NAME OF OPERATOR  
Atlantic Richfield Company
3. ADDRESS OF OPERATOR  
P. O. Box 1978, Roswell, New Mexico 88201
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface
- 330' FSL & 660' FWL (Unit Letter M)

14. PERMIT NO.

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

3627' GR

## 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)

FULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON\*

CHANGE PLANS

## SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other) Temporarily Abandon

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

(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.)\*

This well has been temporarily abandoned in the following manner: Set a 4½" CIBP @ 7000'. Loaded 4½" casing w/ treated fresh water and capped w/ 2" 2000# WOG valve. We plan to hold wellbore for possible Grayburg-Jackson waterflood recompletion. Well Temporarily Abandoned 1/28/71.

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FEB 4 1971

U. S. GEOLOGICAL SURVEY  
ARTESIA, NEW MEXICO

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

SIGNED

*W. L. BEEKMAN*

TITLE

Dist. Drlg. Supervisor

DATE

2/3/71

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

APPROVED

R. L. BEEKMAN

\*See Instructions on Reverse Side

Form 9-380

U. S. LAND OFFICE Las Cruces  
SERIAL NUMBER 02935(b)  
LEASE OR PERMIT TO PROSPECT \_\_\_\_\_

Sec. 20-175-313

• 170

## LOCATE WELL CORRECTLY

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U. S. GEOLOGICAL SURVEY

UNITED STATES RECEIVED

ARTESIA, NEW DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

SEP 30 1960

O. F. M.  
ARTESIA, CALIF.

# LOG OF OIL OR GAS WELL

Company Sinclair Oil & Gas Company Address 520 E Broadway, Hobbs, New Mexico  
Lessor or Tract Turner "B" SP Field Undesignated State New Mexico  
Well No. 70 Sec. 20 T. 17S R. 31E Meridian NM County Eddy  
Location 330 ft. <sup>[N.]</sup><sub>S.</sub> of S. Line and 660 ft. <sup>[E.]</sup><sub>W.</sub> of W. Line of Sec. 20 Elevation 3627  
(Check box relative to W.)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed

Date **Sept. 23, 1960**

Title-----Dist. Supt.

The summary on this page is for the condition of the well at above date.

Commenced drilling \_\_\_\_\_ September 6 19\_\_\_\_

No. 1, from \_\_\_\_\_ to \_\_\_\_\_ No. 4, from \_\_\_\_\_ to \_\_\_\_\_

No. 2, from \_\_\_\_\_ to \_\_\_\_\_

No. 3, from \_\_\_\_\_ to \_\_\_\_\_

No. 1, from \_\_\_\_\_ to \_\_\_\_\_ No. 3, from \_\_\_\_\_ to \_\_\_\_\_

No. 2, from \_\_\_\_\_ to \_\_\_\_\_

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
8-5/8	21	8R	J-55	1600					Surfacing Cag
4-1/2	9.5	8R	J-55	1200					Production Cag
2-3/8	4.7	8R	J-55	700					Tubing
<p>THIS IS A SUMMARY OF THE DATA FOR THE PERFORATED TUBING AND CAGS USED IN THE FIELD.</p> <p>DATE: 10-1-53 BY: J. W. HARRIS, JR.</p>									

## MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
-5/8	1600	900	Halliburton		
-1/2	7200	1300	Halliburton		

## PLUGS AND ADAPTERS

### Heaving plug—Material

Length

**ILLEGIBLE**

8-5/8	1000	1300	Halliburton
4-1/2	7200		

### PLUGS AND ADAPTERS

Heaving plug—Material \_\_\_\_\_ Length \_\_\_\_\_ Depth set \_\_\_\_\_  
 Adapters—Material \_\_\_\_\_ Size \_\_\_\_\_

### SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

### TOOLS USED

Rotary tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
 Cable tools were used from **Surface** feet to **7200** feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

### DATES

\_\_\_\_\_, 19\_\_\_\_ Put to producing \_\_\_\_\_, 19\_\_\_\_  
 The production for the first 24 hours was \_\_\_\_\_ barrels of fluid of which **September 9** % was oil; **60** %  
 emulsion; \_\_\_\_\_ % water; and \_\_\_\_\_ % sediment. **356** Gravity, °Bé. **100** **0**  
 If gas well, cu. ft. per 24 hours \_\_\_\_\_ Gallons gasoline per 1,000 cu. ft. of gas **42.3**  
 Rock pressure, lbs. per sq. in. \_\_\_\_\_

### EMPLOYEES

\_\_\_\_\_, Driller \_\_\_\_\_, Driller  
**R.D. Whirley**, Driller **H.R. Jackson**, Driller  
**K.R. Stroud** **J.C. Yocum**

### FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	586	586	Redbed
586	1193	607	Redbed & Anhydrite
1193	1600	407	Anhydrite
1600	2105	505	Anhydrite & Gyp
2105	2645	540	Lime, Anhydrite & Gyp
2645	3093	448	Lime & Anhydrite
3093	7200	4107	Lime
7200 - Total Depth			

### GEOLOGICAL TOPS

Tates 1445  
 7 Rivers 1788  
 Queen 2415  
 San Andres 3173  
 Glorieta 4742  
 Abo 6820

### DEVIATION SURVEYS

**I**  
 1/2 @ 1000  
 1-3/4 @ 2015  
 1-3/4 @ 2461  
 1 @ 3119  
 1 @ 3497  
 2-1/4 @ 4003  
 1 @ 4475  
 1 @ 4974  
 3/4 @ 5565  
 1/2 @ 5925  
 3-3/4 @ 6570  
 3 @ 7137

LOUVE KEEL

CONVICTION

FORMATION RECORD—Continued

ILLEGIBLE

(SUBMIT IN TRIPLICATE)

Land Office Las CrucesLease No. 009295 (b)Unit Turner "B" SPUNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

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## SUNDRY NOTICES AND REPORTS ON WELLS

AUG 11 1960

NOTICE OF INTENTION TO DRILL	<input checked="" type="checkbox"/>	SUBSEQUENT REPORT OF WATER SHUT-OFF	<input type="checkbox"/>
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	<input type="checkbox"/>
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

August 4, 1960

Well No. 70 is located 330 ft. from NE line and 660 ft. from W line of sec. 20N1/4, Sec 20  
(1/4 Sec. and Sec. No.)17E  
(Twp.)11E  
(Range)104N  
(Meridian)Undesignated  
(Field)El Paso  
(County or Subdivision)New Mexico  
(State or Territory)

The elevation of the derrick floor above sea level is \_\_\_\_\_ ft.

## DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Sinclair Oil & Gas Company's Well No. 70, Turner "B" SP Lease

7-3/8" OD casing	24#	1400' (or thru Salt)	650 sacks & Ciro
4-1/2" OD casing	9.5#	7300'	1000 sacks (or cement back into surface casing)

Propose to drill with rotary tools to a depth of approximately 7300' to test the Abu Reef (6000' to TB).

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Sinclair Oil & Gas CompanyAddress P. O. Box 1470Midland, TexasBy L. D. Lattin  
(L. D. Lattin)  
Title Chief Clerk, Production Dept.

ILLEGIBLE

GPO 862040

676

## WELL LOCATION AND ACREAGE DEDICATION PLAT

SEE INSTRUCTIONS FOR COMPLETING THIS FORM ON THE REVERSE SIDE

## SECTION A

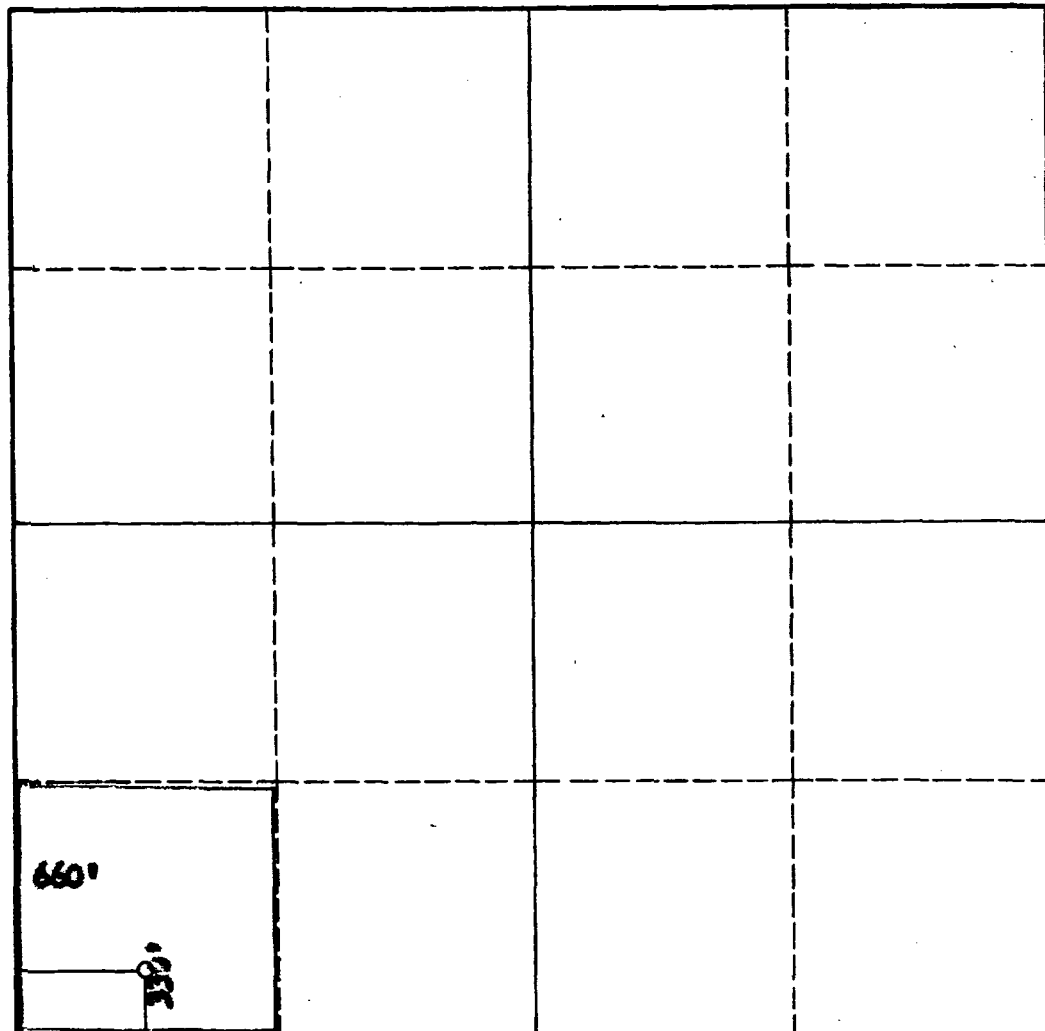
Operator <b>Sinclair Oil &amp; Gas Company</b>		Lease <b>Turner "B" SP</b>		Well No. <b>70</b>
Unit Letter <b>M</b>	Section <b>20</b>	Township <b>17 South</b>	Range <b>31 East</b>	County <b>Eddy</b>
Actual Footage Location of Well: <b>330</b> feet from the <b>South</b> line and <b>660</b> feet from the <b>West</b> line				
Ground Level Elev.	Producing Formation <b>Abo Reef</b>		Pool <i>Turner "B" SP</i>	Dedicated Acreage: <b>40</b> 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:

RECEIVED

Owner	Land Description
	<b>AUG 3 1960</b>
	<b>U. S. GEOLOGICAL SURVEY</b>
	<b>ANTESIA, NEW MEXICO</b>
	<b>CERTIFICATION</b>

## SECTION B



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

Name *R. D. Gether*  
Position **Div. Clerk Prod. Dept.**  
Company **Sinclair Oil & Gas Co.**  
Date **August 3, 1960**

*W. J. M.*  
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 **8/3/60**  
Registered Professional Engineer and/or Land Surveyor  
*John W. West*

Certificate No. **676**

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SANTA FE		
FILE		
U.S.G.S.		
LAND OFFICE		
TRANSPORTER	OIL	
	GAS	
OPERATOR		
PRORATION OFFICE		

**NEW MEXICO OIL CONSERVATION COMMISSION**  
**REQUEST FOR ALLOWABLE RECEIPT**  
**AND**  
**AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS**

Form C-104  
 Supersedes Old C-104 and C-11  
 Effective 1-1-65

JUN 19 1972

O. C. C.  
 ARTESIA, NEW MEX.

Operator Atlantic Richfield Company	
Address P. O. Box 1978, Roswell, New Mexico 88201	
Reason(s) for filing (Check proper box)	Other (Please explain)
New Well <input type="checkbox"/>	Change in Transporter of:
Recompletion <input checked="" type="checkbox"/>	Oil <input type="checkbox"/> Dry Gas <input type="checkbox"/>
Change in Ownership <input type="checkbox"/>	Casinghead Gas <input type="checkbox"/> Condensate <input type="checkbox"/>

If change of ownership give name and address of previous owner \_\_\_\_\_

**II. DESCRIPTION OF WELL AND LEASE**

Lease Name Turner "B" (B)	Well No. 72	Pool Name, including Formation Grayburg Jackson Q.G.S.A.	Kind of Lease State, Federal or Fee Federal	Lease No. LC029395 (
Location				
Unit Letter <u>O</u> ; <u>1980</u> Feet From The <u>East</u> Line and <u>330</u> Feet From The <u>South</u>				
Line of Section <u>20</u> Township <u>17S</u> Range <u>31E</u> , NMPM, <u>Eddy</u> County				

**III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS**

Name of Authorized Transporter of Oil <input checked="" type="checkbox"/> or Condensate <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)	
Texas New Mex Pipeline Co.	P. O. Box 1510, Midland, Texas 79701	
Name of Authorized Transporter of Casinghead Gas <input checked="" type="checkbox"/> or Dry Gas <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)	
Continental Oil Company	P. O. Box 2197, Houston, Texas 77001	
If well produces oil or liquids, give location of tanks.	Unit D	Sec. 29
	Twp. 17S	Rge. 31E
	Is gas actually connected? Yes	
	When 6-1-72	

If this production is commingled with that from any other lease or pool, give commingling order number: CTB 202

**IV. COMPLETION DATA**

Designate Type of Completion - (X)	Oil Well <input checked="" type="checkbox"/>	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
	X					X		X
Date Spudded 9-21-60	Date Compl. Ready to Prod. 6-2-72		Total Depth 7233			P.B.T.D. 7100'		
Elevations (DF, RKB, RT, GR, etc.) 3708GR	Name of Producing Formation Grayburg Jackson (GQSA)		Top Oil/Gas Pay 3162'			Tubing Depth 3372'		
Perforations 3162, 64, 82, 84, 86, 3233, 64, 66, 82 & 86'						Depth Casing Shoe 7233'		
<b>TUBING, CASING, AND CEMENTING RECORD</b>								
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET			SACKS CEMENT		
11"	8-5/8" OD		1600'			600 sks circ.		
7-7/8"	4-1/2" OD		7233'			1300 sks circ.		
	2-3/8" OD		3372'					

**V. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL** (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

Date First New Oil Run To Tanks 6-2-72	Date of Test 6-11-72	Producing Method (Flow, pump, gas lift, etc.) Pump	
Length of Test 24 hours	Tubing Pressure 0	Casing Pressure 0	Choke Size -
Actual Prod. During Test 51	Oil-Bbls. 28	Water-Bbls. 23	Gas-MCF 37

**GAS WELL**

Actual Prod. Test-MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
-------------------------	----------------	-----------------------	-----------------------

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYSUBMIT IN DUPLICATE\*  
(Other instructions on re-  
verse side)Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

LC 029395 (b)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Turner "B"

9. WELL NO.

72

10. FIELD AND POOL, OR WILDCAT

Grayburg Jackson

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

Sec. 20, T17S, R31E

12. COUNTY OR PARISH

Eddy

13. STATE

N.M.

1. OIL ☒ GAS ☐  
WELL WELL OTHER

2. NAME OF OPERATOR

Atlantic Richfield Company

3. ADDRESS OF OPERATOR

P. O. Box 1978, Roswell, New Mexico 88201

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface

330' FSL &amp; 1980' FEL (Unit letter O)

14. PERMIT NO.

15. ELEVATIONS (Show whether OF, RT, GR, etc.)

3708' GR

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) Recompletion ☒REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT\* ☐(NOTE: Report results of multiple completion on Well  
Completion or Recombination 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 perti-  
nent to this work.)\*

Ran GR-N log. Perforated Premier @ 3162, 64, 82, 84, 86, 3233, 64, 66, 82 & 86. Treated perfs 3162-3286' w/total of 1000 gal 15% HCl-LSTNE acid, and ball sealers. Frac'd w/15,000# 20/40 sand in 12,000 gal of slick 9# brine water. Swabbed back load. Ran 2-3/8" tubing to 3372.36' GL, placed well on rod pump. On 6/13/72 well pumped 16 BO & 8 BW in 24 hrs.

RECEIVED  
JUN 16 1972  
U. S. GEOLOGICAL SURVEY  
ARTESIA, NEW MEXICO

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

SIGNED

TITLE Dist. Dirg. Supervisor DATE 6/14/72

(This space for Federal or State office use)

APPROVED BY  
COMMISSIONER OF APPROVAL, IF ANY:

TITLE

DATE

APPROVED  
JUN 14 1972  
R. L. BECKMAIN  
DISTRICT ENGINEER

\*See Instructions on Reverse Side



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN  
(Other inst.  
verse side)

PLICATE\*  
ons on re-

Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

LC 029395 (b)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Turner "B"

WELL NO.

72

10. FIELD AND POOL, OR WILDCAT

Cedar Lake-Abo

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

Sec. 20, T-17S, R-31

12. COUNTY OR PARISH

Eddy N.M.

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 ☐ Temporarily Abandoned

2. NAME OF OPERATOR  
Atlantic Richfield Company

3. ADDRESS OF OPERATOR  
P. O. Box 1978, Roswell, New Mexico 88201

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\* See also space 17 below.)  
At surface

330' FSL & 1980' FEL (Unit letter O)

14. PERMIT NO. 15. ELEVATIONS (Show whether DF, RT, GR, etc.)  
3708' GR

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 ☐

REPAIRING WELL ☐  
ALTERING CASING ☐  
ABANDONMENT\* ☐

(Other) Temporarily Abandoned ☒

(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.)\*

This well has been temporarily abandoned in the following manner:  
Set Baker Model "N" CIBP @ 7100'. Loaded 4 1/2" casing with chemically treated water and capped well with 2" 2000# WOG valve. We plan to hold the well for possible Grayburg-Jackson waterflood recompletion. Well Temporarily Abandoned 1/27/71

RECEIVED

FEB 4 1971

U. S. GEOLOGICAL SURVEY  
ARTESIA, NEW MEXICO

18. I hereby certify that the foregoing is true and correct  
SIGNED Ed. L. Butcher TITLE Dist. Dir. Superv. DATE 2/3/71

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY: \_\_\_\_\_

APPROVED

\*See Instructions on Reverse Side

FOLD MAR

4-1/2	7233	1300	HALLOWELL
-------	------	------	-----------

**PLUGS AND ADAPTERS**  
 Heaving plug—Material \_\_\_\_\_ Length \_\_\_\_\_ Depth set \_\_\_\_\_  
 Adapters—Material \_\_\_\_\_ Size \_\_\_\_\_

**SHOOTING RECORD**

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

**TOOLS USED**

Rotary tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

**DATES**

Put to producing \_\_\_\_\_, 19\_\_\_\_

The production for the first 24 hours was \_\_\_\_\_ barrels of fluid of which \_\_\_\_\_% was oil; \_\_\_\_\_% emulsion; \_\_\_\_\_% water; and \_\_\_\_\_% sediment. Gravity, °Bé \_\_\_\_\_

If gas well, cu. ft. per 24 hours \_\_\_\_\_ Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_

Rock pressure, lbs. per sq. in. \_\_\_\_\_

**EMPLOYEES**  
 \_\_\_\_\_, Driller  
 \_\_\_\_\_, Driller

**FORMATION RECORD**

FROM SURF TO	TOTAL FEET	FORMATION
0	200	Redbed
200	664	Redbed & Anhydrite
664	1444	Anhydrite & Salt
1444	2078	Anhydrite & Gyp
2078	2742	Anhydrite & Lime
2742	2988	Lime & Shale
2988	7233	Lime
7233		

Deviation Surveys	Geological Tops
1/2 950	Dates 1531
1-1/2 2274	Queen 2502
2-1/4 2856	San Andres 3291
2-1/4 3589	Glorieta 4832
1-3/4 4448	Abu Reef 6907
3-1/4 7250	

FROM—	TO—	LOGS KEEL	FORMATION

ILLEGIBLE

FILE	
U.S.G.S.	
LAND OFFICE	
TRANSPORTER	OIL GAS
PRORATION OFFICE	
OPERATOR	

# REQUEST FOR (OIL) - (GAS) ALLOWABLE

NOV 21 1960

New Well  
Recompletion

This form shall be submitted by the operator before an initial allowable will be assigned to any completed Oil or Gas well. Form C-104 is to be submitted in QUADRUPLICATE to the same District Office to which Form C-101 was sent. The allowable will be assigned effective 7:00 A.M. on date of completion or recompletion, provided this form is filed during calendar month of completion or recompletion. The completion date shall be that date in the case of an oil well when new oil is delivered into the stock tanks. Gas must be reported on 15.025 psia at 60° Fahrenheit.

Hobbs, New Mexico

November 17, 1960

(Place)

(Date)

WE ARE HEREBY REQUESTING AN ALLOWABLE FOR A WELL KNOWN AS:

**Sinclair Oil & Gas Company**

**Turner "B" SP**, Well No. **72**

in **SW**  $\frac{1}{4}$  **SE**  $\frac{1}{4}$

(Company or Operator)

(Lease)

Unit Letter  
**Eddy**

Sec. **20**

T. **17S**

R. **31E**

NMPM,

**Undesignated**

Pool

Please indicate location:

D	C	B	A
E	F	G	H
L	K	J	I
M	N	O	P
		X	

**330' 2/8 & 1980' 2/8**

Tubing, Casing and Cementing Record

Size	Feet	Sax
<b>8-5/8</b>	<b>1600</b>	<b>600</b>
<b>4-1/2</b>	<b>7233</b>	<b>1300</b>
<b>2-3/8</b>	<b>5000</b>	<b>Tbg</b>

County. Date Spudded **9-21-60**

Date Drilling Completed **10-3-60**

Elevation **3708**

Total Depth **7233**

PBTD **7160**

Top Oil/Gas Pay **6907**

Name of Prod. Form. **Abu Reef**

PRODUCING INTERVAL -

Perforations **7152-7156**

Open Hole

Depth Casing Shoe **7233**

Depth Tubing **5000**

OIL WELL TEST -

Natural Prod. Test: \_\_\_\_\_ bbls. oil, \_\_\_\_\_ bbls water in \_\_\_\_\_ hrs, \_\_\_\_\_ min. Choke Size \_\_\_\_\_

Test After Acid or Fracture Treatment (after recovery of volume of oil equal to volume of load oil used): **18** bbls. oil, **144** bbls water in **24** hrs, **0** min. Choke Size **PUMP**

GAS WELL TEST -

Natural Prod. Test: \_\_\_\_\_ MCF/Day; Hours flowed \_\_\_\_\_ Choke Size \_\_\_\_\_

Method of Testing (pitot, back pressure, etc.): \_\_\_\_\_

Test After Acid or Fracture Treatment: \_\_\_\_\_ MCF/Day; Hours flowed \_\_\_\_\_

Choke Size \_\_\_\_\_ Method of Testing: \_\_\_\_\_

Acid or Fracture Treatment (Give amounts of materials used, such as acid, water, oil, and sand): **80 gal mud acid**

Casing Press. **0** Tubing Press. **0** Date first new oil run to tanks **November 16, 1960**

Oil Transporter **Texas-New Mexico Pipeline Company**

Gas Transporter **Shelly Oil Company**

Remarks:

**ILLEGIBLE**

I hereby certify that the information given above is true and complete to the best of my knowledge.

Approved **NOV 21 1960**, 19\_\_\_\_\_

**Sinclair Oil & Gas Company**

(Company or Operator)

OIL CONSERVATION COMMISSION

By: **Fred Burn** (Signature)

Title **Dist. Supt.**

Send Communications regarding well to:

Name **Fred Burn**

Address **520 E Broadway, Hobbs, N.M.**

By: **M. L. Armstrong**

Title **OIL AND GAS INSPECTOR**

Originals: OCG; cc: HFD, JM, File

(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office Las Cruces  
Lease No. 029395 (b)  
Unit Turner "B" SP

RECEIVED

SUNDRY NOTICES AND REPORTS ON WELLS SEP 29 1960

NOTICE OF INTENTION TO DRILL	<input checked="" type="checkbox"/>	SUBSEQUENT REPORT OF WATER SHUT-OFF	<input type="checkbox"/>
NOTICE OF INTENTION TO CHANGE PLANS	<input type="checkbox"/>	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	<input type="checkbox"/>
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	<input type="checkbox"/>	SUBSEQUENT REPORT OF ALTERING CASING	<input type="checkbox"/>
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	<input type="checkbox"/>	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	<input type="checkbox"/>
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	<input type="checkbox"/>	SUBSEQUENT REPORT OF ABANDONMENT	<input type="checkbox"/>
NOTICE OF INTENTION TO PULL OR ALTER CASING	<input type="checkbox"/>	SUPPLEMENTARY WELL HISTORY	<input type="checkbox"/>
NOTICE OF INTENTION TO ABANDON WELL	<input type="checkbox"/>		<input type="checkbox"/>

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

September 19, 1960

Well No. 72 is located 330 ft. from S line and 1980 ft. from E line of sec. 20  
SE/4 Sec. 20 17S 31E RMPM  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Undesignated Eddy New Mexico  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is \_\_\_\_\_ ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Sinclair Oil & Gas Company's Well No. 72, Turner "B" SP Lease

8-5/8"OD casing 24# 1600' (or thru salt) 650 sacks & circ  
 4-1/2"OD casing 9.5# 7300' 1000 sacks (or cement back into surface casing)

Propose to drill with rotary tools to a depth of approximately 7300' to test the Abo Reef 6850' to TD.

RECEIVED

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Sinclair Oil & Gas Company  
 Address P. O. Box 1470  
Midland, Texas

SEP 22 1960

U. S. GEOLOGICAL SURVEY  
ARTESIA, NEW MEXICO

By R. D. Satterwhite  
 Title Chief Clerk, Production Dept.

# WELL LOCATION AND ACREAGE DEDICATION PLAT

SEE INSTRUCTIONS FOR COMPLETING THIS FORM ON THE REVERSE SIDE

## SECTION A

Operator <b>Sinclair Oil &amp; Gas Company</b>			Lease <b>Turner " " SP</b>		Well No. <b>72</b>
Unit Letter <b>0</b>	Section <b>20</b>	Township <b>17 South</b>	Range <b>31 East</b>	County <b>Eddy</b>	
Actual Footage Location of Well: <b>330</b> feet from the <b>South</b> line and <b>1980</b> feet from the <b>East</b> line					
Ground Level Elev.	Producing Formation <b>Abo Reef</b>		Pool <b>Undesignated</b>	Dedicated Acreage: <b>40</b> 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

RECEIVED

SEP 22 1960

U. S. GEOLOGICAL SURVEY  
ARTESIA, NEW MEXICO

## SECTION B

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 <i>[Signature]</i>
Position <b>Div. Clerk Prod. Dept.</b>
Company <b>Sinclair Oil &amp; Gas Company</b>
Date <b>September 16, 1960</b>

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 <b>9/17/60</b>
Registered Professional Engineer and/or Land Surveyor <i>[Signature]</i>
Certificate No. <b>676</b>

0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0

Form 9-331  
(May 1963)UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYSUBMIT IN **PLICATE\***  
(Other instructions on re-  
verse side)Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

LC 029395 - B

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Turner "B"

9. WELL NO.

73

10. FIELD AND POOL, OR WILDCAT

Cedar Lake Abo

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

Sec. 29-T17S-R31E

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 <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> Salt Water Disposal Well	
2. NAME OF OPERATOR Sinclair Oil & Gas Company	
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 380' fr North line and 1980' fr West line	
14. PERMIT NO.	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 3660' GR	

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

## NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	

## SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <input checked="" type="checkbox"/> Convert non-producing oilwell	

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

to  
SWDS.

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.)\*

5-5-68 Ran 2-3/8"OD tubing (plastic-coated) and Model N Packer set @ 6898'. Casing annulus loaded w/inhibited fresh water. Acidized perfs. 6982-7092' w/1500 gals. 15% acid, 150# citric acid and 15 gals. B-1-A added. Max. Press. 1900#, Avg. treating press. 1600#, Inst. SIP 600#, on vacuum in 1 min. Rate 3.9 BPM. Converted from shut-in producing well to salt water disposal well in Abo perfs. 6982-7092' as Cedar Lake Abo Salt Water Disposal System effective 5-13-68.

RECEIVED

RECEIVED  
MAY 15 1968  
GEOLOGICAL SURVEY  
NEW MEXICO

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

SIGNED

TITLE

Superintendent

DATE

5-14-68

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

Original cc: USGS, Artesia, cc: Regional Office, cc: file

\*See Instructions on Reverse Side

APPROVED

R. L. O. HAN

Form 9-381a  
(Feb. 1951)

APPROVED

NOV 8 1962  
RONNIE E. SHOOK  
DISTRICT ENGINEER

(SUBMIT IN TRIPLICATE)

RECEIVED  
NOV 9 1962

Land Office **Las Cruces**  
Lease No. **029395(b)**  
Unit **Turkey #2 SP**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY  
ARTESIA, OFFICE

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL	<b>Subsequent Report of Perforation, &amp; Acidizing</b>	<b>1</b>

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

November 1, 1962

Well No. **73** is located **300** ft. from **N** line and **1980** ft. from **W** line of sec. **29**  
**N 1/4 Sec 29** (1/4 Sec. and Sec. No.) **17S** (Twp.) **1E** (Range) **WPM** (Meridian)  
**Cedar Lake Abo** (Field) **Eddy** (County or Subdivision) **New Mexico** (State or Territory)

The elevation of the derrick floor above sea level is \_\_\_\_\_ ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

4-26-62 716FHD moved in IDU. Pulled rodstring. Jet perforated @ 7081-36 w/16 1/2" holes. Set retrievable bridge plug @ 7060. Ran 2" tbg to 7030 w/packer @ 6936. Had acid washed parts 7081-92 & 7081-36 w/500 gals. Max Press 1700, Min Press 1100, inj rate 3 BPM. Pulled tbg & packer. Ran 2" tbg to 7023 & placed on pump. Testing.  
5/5/62 Pumped 16 bbls new oil & 152 bbls formation water in 24 hrs.  
5/17/62 Pumped 12 bbls new oil & 129 bbls formation water in 24 hrs.  
5/31/62 Pumped 5 bbls new oil & 138 bbls formation water in 24 hrs.  
6/17/62 Pumped 5 bbls new oil & 118 bbls formation water in 24 hrs.  
6/30/62 Pumped 4 bbls new oil & 140 bbls formation water in 24 hrs.  
7/15/62 Pumped 4 bbls new oil & 160 bbls formation water in 24 hrs.  
8/10/62 Pulled rods & tbg. Perforated @ 6982-86 & 6994-7008 w/16 1/2" holes. Ran 2" tbg, and straddle packers set at 6958, 6996 & 7016. Had acid washed parts 6994-7008 w/850 gals. Max Press 6500, Min Press 2800, inj rate 1 BPM.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

**CONFIDENTIAL**

Company **Sinclair Oil & Gas Company**

Address **520 E Broadway**

**Hobbs, New Mexico**

By

*E. R. [Signature]*

Title **Asst Dist Supt.**

Origination: USGS; cc:WFD, M, File

ILLEGIBLE

Acidized perforations 6982-86 w/250 gals mud acid. Max Press 5000, Min Press 5000, inj rate 2 BPM. Pulled tag & straddle packers. Rarum tubing to 5510 and placed well on pump.

8/15/62

Pumped 8 bbls new oil & 130 bbls formation water in 24 hrs.

8/19/62

Pumped 6 bbls new oil & 290 bbls formation water in 24 hrs.

9/1/62

Pumped 5 bbls new oil & 170 bbls formation water in 24 hrs.

9/15/62

Pumped 4 bbls new oil & 185 bbls formation water in 24 hrs.

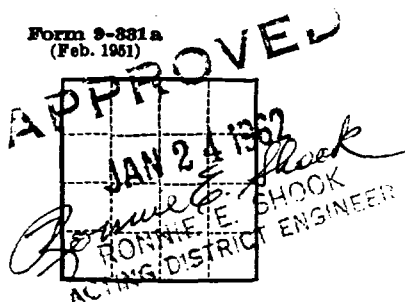
9/26/62

7166FWD - Ake - On potential test - well pumped 4 bbls new oil and 152 bbls formation water from perforations 6974-7000, 6982-86, 7024-26 & 7084-92 in 24 hours. Final report - unable to increase rate of production.

ILLEGIBLE



(SUBMIT IN TRIPLICATE)

Land Office **Las Cruces**  
Lease No. **029395(b)**  
Unit **Turner "B" SP**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	<b>X</b>
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

**January 22**, 19 **62**

Well No. **73** is located **380** ft. from **N** line and **1980** ft. from **W** line of sec. **29**

**N 1/4 Sec 29** **17E** **31E** **NPM**  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

**Cedar Lake Abo** **Eddy** **New Mexico**  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is ..... ft.

## DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Moved in IDU (Davis Well Service). Pulled rods. Acidized Abo Parts 7084-7092 down tubing w/7500 gals 15% regular acid. Max Press 3500#, Min Press 2000#, inj rate 4.2 BPM, 5 min SIP 1200#. Ran rods & placed well back on pump. On 24 hr potential test ending 6:00 AM 1-17-62, well pumped 57 bbls new 44.0 gravity oil & 209 bbls formation water; OGR 760 to 1.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company **Sinclair Oil & Gas Company**Address **520 E Broadway**  
**Hobbs, New Mexico**By **E. R. [Signature]**Title **Asst Dist Supt**

Orig:2cc: USGS; cc:HFD, JM, File

ILLEGIBLE

8 620 40

SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
TRANSPORTER	OIL GAS
PRORATION OFFICE	
OPERATOR	

Santa Fe, New Mexico  
**REQUEST FOR (OIL) - (GAS) ALLOWABLE**

**RECEIVED**  
**OCT 28 1960**

New Well  
Recompletion

This form shall be submitted by the operator before an initial allowable will be assigned to any completed Oil or Gas well. Form C-104 is to be submitted in QUADRUPLICATE to the same District Office to which Form C-101 was sent. The allowable will be assigned effective 7:00 A.M. on date of completion or recompletion, provided this form is filed during calendar month of completion or recompletion. The completion date shall be that date in the case of an oil well when new oil is delivered into the stock tanks. Gas must be reported on 15.025 psia at 60° Fahrenheit.

Hobbs, New Mexico

October 27, 1960

(Place)

(Date)

WE ARE HEREBY REQUESTING AN ALLOWABLE FOR A WELL KNOWN AS:

Sinclair Oil & Gas Company

Turner "B" SP

Well No. 73

in NE

SW

1/4

(Company or Operator)

(Lease)

6

Sec. 22

T. 17S

R. 31E

NMPM,

Undesignated

Pool

Unit Letter

Eddy

County. Date Spudded 9-22-60

Date Drilling Completed 10-23-60

Please indicate location:

Elevation 3660

Total Depth 7185

PSTD

7185

Top Oil/Gas Pay 6952

Name of Prod. Form. Also Reef

PRODUCING INTERVAL -

Perforations 7084 - 7092

Open Hole

Depth

7185

Depth

7182

OIL WELL TEST -

Natural Prod. Test: \_\_\_\_\_ bbls. oil, \_\_\_\_\_ bbls water in \_\_\_\_\_ hrs, \_\_\_\_\_ min. Size \_\_\_\_\_

Test After Acid or Fracture Treatment (after recovery of volume of oil equal to volume of

load oil used): 92 bbls. oil, 0 bbls water in 7 hrs, 0 min. Size 16/64"

GAS WELL TEST -

Natural Prod. Test: \_\_\_\_\_ MCF/Day; Hours flowed \_\_\_\_\_ Choke Size \_\_\_\_\_

Method of Testing (pitot, back pressure, etc.): \_\_\_\_\_

Test After Acid or Fracture Treatment: \_\_\_\_\_ MCF/Day; Hours flowed \_\_\_\_\_

Choke Size \_\_\_\_\_ Method of Testing: \_\_\_\_\_

Acid or Fracture Treatment (Give amounts of materials used, such as acid, water, oil, and sand): 500 gallons mud acid

Casing Press. Packer Tubing Press. 1020 Date first new oil run to tanks October 26, 1960

Oil Transporter Texas-New Mexico Pipe Line Company

Gas Transporter Shelly Oil Company

Tubing, Casing and Cementing Record

Size Feet Sax

<u>8-5/8</u>	<u>1600</u>	<u>800</u>
<u>4-1/2</u>	<u>7185</u>	<u>1100</u>
<u>2-3/8</u>	<u>7062</u>	<u>Tbg</u>

Remarks:..

**ILLEGIBLE**

I hereby certify that the information given above is true and complete to the best of my knowledge.

Approved OCT-28-1960, 19

Sinclair Oil & Gas Company

(Company or Operator)

By: E.R. Wood

(Signature)

Title Asst. Dist. Supt.

Send Communications regarding well to:

Name E.R. Wood

520 E Broadway, Hobbs, N.M.

Address

OIL CONSERVATION COMMISSION

By: M.L. Armstrong

Title

Originals: OCC-NEW Mexico; cc WFD, M, File

(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYLand Office \_\_\_\_\_  
Lease No. 089395 (B)  
Unit Turner "B" SP

RECEIVED

SEP 29 1960

## SUNDRY NOTICES AND REPORTS ON WELLS

D. C. C.  
ARTESIA OFFICE

NOTICE OF INTENTION TO DRILL	<input checked="" type="checkbox"/>	SUBSEQUENT REPORT OF WATER SHUT-OFF	<input type="checkbox"/>
NOTICE OF INTENTION TO CHANGE PLANS	<input type="checkbox"/>	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	<input type="checkbox"/>
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	<input type="checkbox"/>	SUBSEQUENT REPORT OF ALTERING CASING	<input type="checkbox"/>
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	<input type="checkbox"/>	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	<input type="checkbox"/>
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	<input type="checkbox"/>	SUBSEQUENT REPORT OF ABANDONMENT	<input type="checkbox"/>
NOTICE OF INTENTION TO PULL OR ALTER CASING	<input type="checkbox"/>	SUPPLEMENTARY WELL HISTORY	<input type="checkbox"/>
NOTICE OF INTENTION TO ABANDON WELL	<input type="checkbox"/>		<input type="checkbox"/>

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

September 19, 1960

Well No. 73 is located 350 ft. from [N] line and 1900 ft. from [W] line of sec. 29  
NW/4 Sec. 29 17S 31E N4M  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Undermined Eddy New Mexico  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is \_\_\_\_\_ ft.

## DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudlogging jobs, cementing points, and all other important proposed work)

Sinclair Oil &amp; Gas Company's Well No. 73, Turner "B" SP Lease

8-5/8" OD casing	2 1/4"	1600' (or thru salt)	650 sacks & circ
4-1/2" OD casing	9.5"	7300'	1000 sacks (or cement back into surface casing)

Propose to drill with rotary tools to a depth of approximately 7300' to test the Abu Reef 6850' to TD.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Sinclair Oil &amp; Gas Company

Address P. O. Box 1470

Midland, Texas

By [Signature]  
(K. D. Satterwhite)  
Title Chief Clerk, Production Dept.

# WELL LOCATION AND ACREAGE DEDICATION PLAT

SEE INSTRUCTIONS FOR COMPLETING THIS FORM ON THE REVERSE SIDE

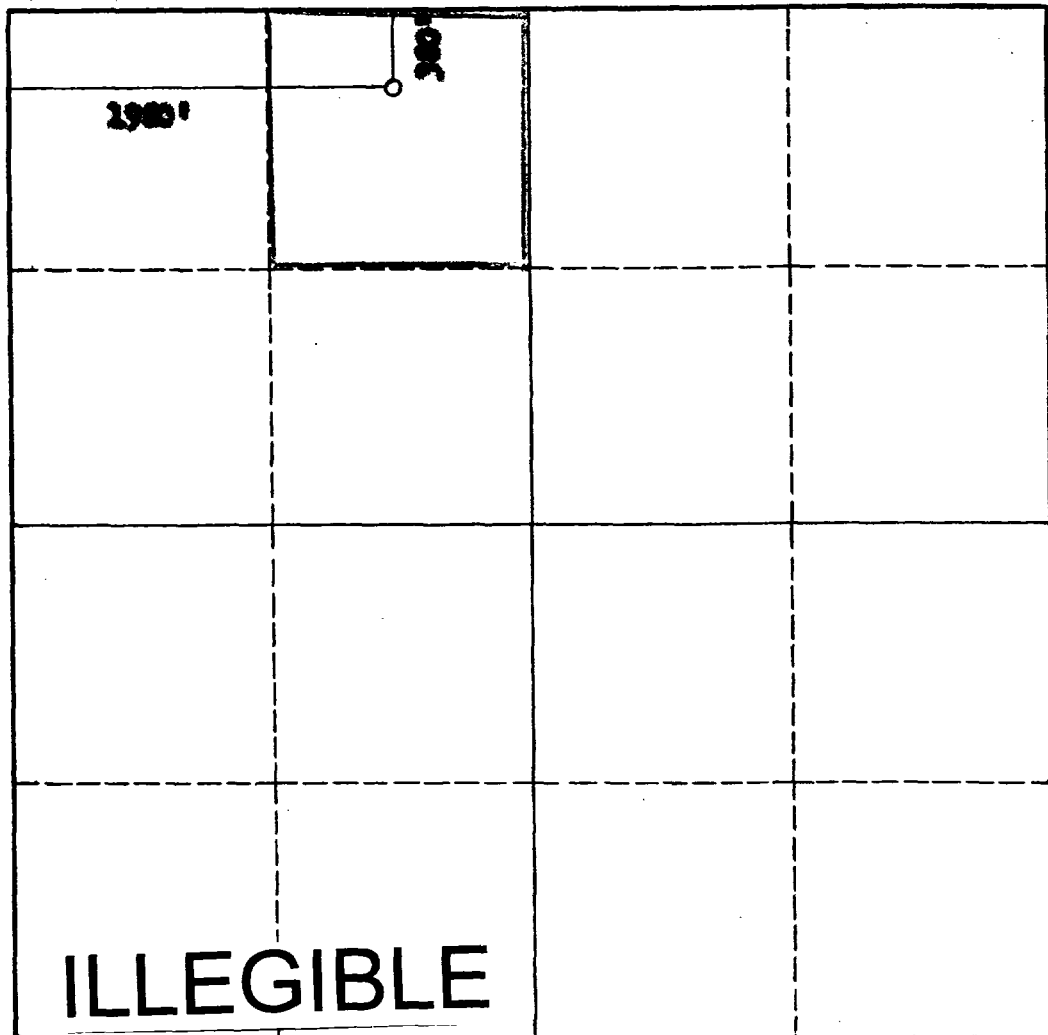
## SECTION A

Operator <b>Sinclair Oil &amp; Gas Company</b>		Lease <b>Turner "B" SP</b>		Well No. <b>73</b>
Unit Letter <b>C</b>	Section <b>29</b>	Township <b>17 South</b>	Range <b>11 East</b>	County <b>Log</b>
Actual Footage Location of Well: <b>380</b> feet from the <b>North</b> line and <b>1980</b> feet from the <b>West</b> line				
Ground Level Elev.	Producing Formation <b>Alb. Reef</b>	Pool <b>Undesignated</b>	Dedicated Acreage: <b>60</b> 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 communization agreement or otherwise? YES \_\_\_\_ NO \_\_\_\_ . If answer is "yes," Type of Consolidation RENTAL AGREEMENT
3. If the answer to question two is "no," list all the owners and their respective interests below:

Owner	Land Description
	<i>[Signature]</i>
	<i>[Signature]</i>

## SECTION B



## CERTIFICATION

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

Name	<i>[Signature]</i>
Position	<b>Div. Chief, Prod. Dept.</b>
Company	<b>Sinclair Oil &amp; Gas Company</b>
Date	<b>September 16, 1960</b>

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	<b>9/27/60</b>
Registered Professional Engineer and/or Land Surveyor	<i>[Signature]</i>
Certificate No.	<b>676</b>

0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

(Other Instructions on  
reverse side)

5. LEASE DESIGNATION AND SERIAL NO.  
LC 029395 (b)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Turner "B"

9. WELL NO.  
74

10. FIELD AND POOL, OR WILDCAT  
Cedar Lake Abo

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

29-17S-31E

12. COUNTY OR PARISH 13. STATE  
Eddy NM

1. OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR  
ARCO Oil and Gas Company

3. ADDRESS OF OPERATOR

P. O. Box 1610, Midland, Texas 79702

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)  
At surface 330 FNL & 990 FEL

14. PERMIT NO.  
30-015-05456

15. ELEVATIONS (Show whether OF, RT, GR, etc.)  
3735 GR

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\* ☒

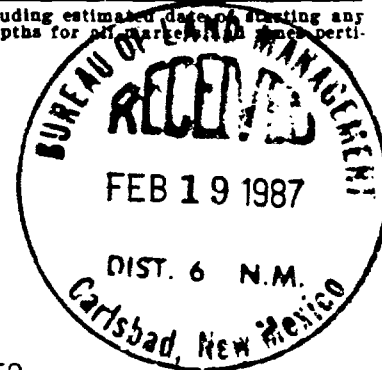
(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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 pertinent data pertinent to this work.)

12-1-86 RU PU. P&A'd as follows:

Plug	Interval	Cmt	Remarks
1	3194-3550	25 sx	Spot. (B-Grybg/SA)
2	2594-2950	25 sx	Spot. (T-Grybg/SA)
3	1984-2250	25 sx	Spot. (Fren Seven Rivers)
4	675-1395	200 sx	Perf @ 1515'. Could not pump into. Perf @ 1395'. CR @ 685' w/10' cmt.
5	0-360	350 sx	Perf @ 360'. Pmpd 200 sx w/no circ. WOC. TS indicate TOC @ 200' Perf @ 175'. Pmpd 100 sx cmt w/no circ. WOC. Perf @ 70'. Pmpd 50 sx. Circ cmt to surf.

Install dry hole marker  
Well P&A'd 12-14-86



Post ID-2  
2-17-87  
P+R

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

915-688-5672

SIGNED Ken W. Sosnell

TITLE Engr. Tech. Spec.

DATE 1-27-87

(This space for Federal or State official use)

APPROVED BY Area Manager

TITLE

DATE 2-20-87

CONDITIONS OF APPROVAL, IF ANY:

See Instructions on Reverse Side

## BUREAU OF LAND MANAGEMENT

## 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 <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. LC 029395 (B)
2. NAME OF OPERATOR ARCO Oil and Gas Company -Division of Atlantic Richfield Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P.O. Box 1610, Midland, Texas 79702		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface  330 FNL & 990 FEL (Unit A)		8. FARM OR LEASE NAME Turner "B"
14. PERMIT NO. API #30-015-05456		9. WELL NO. 74
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 3735 GR		10. FIELD AND POOL, OR WILDCAT Cedar Lake - Abo
		11. SEC. T., S., M., OR BLK. AND SURVEY OR AREA 29-17S-31E
		12. COUNTY OR PARISH Eddy
		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 <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input checked="" type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	(Other) <input type="checkbox"/>

(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.\*

Propose to P&A as follows:

1. 25 SX 3194-3550. (Base of Grayburg - San Andres)
2. 25 SX 2594-2950. (Top of Grayburg - San Andres)
3. 25 SX 1984-2250. (Fren Seven Rivers)
4. 220 SX 680-1515. Perfs @ 1515. CR @ 680. (Top & btm salt, shoe)
5. 140 SX 0-360. Perf @ 360. In & behind 4-1/2" csg. (Surface)

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

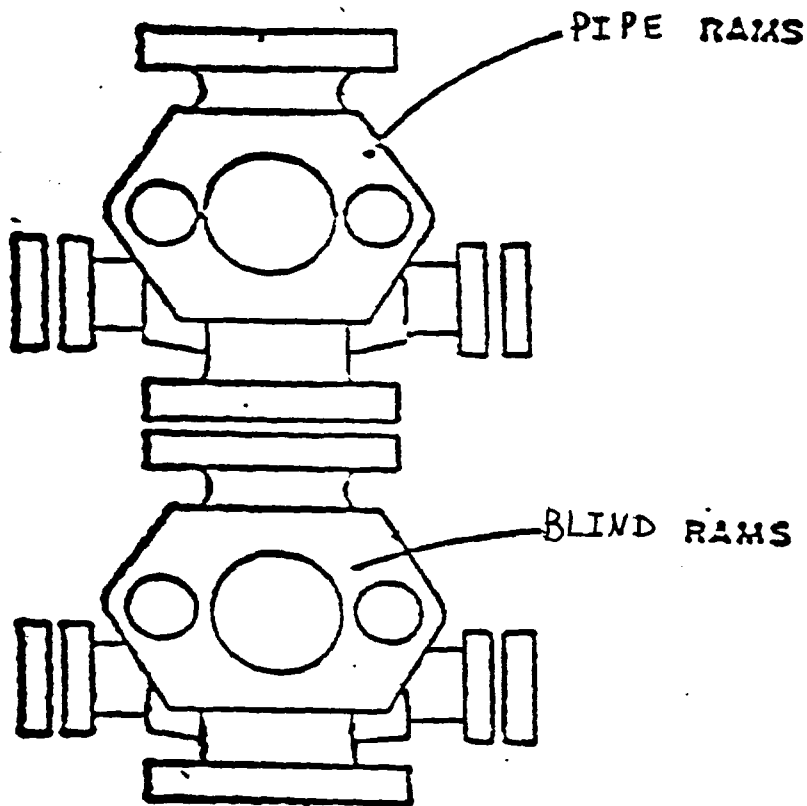
SIGNED Ken W. Larned TITLE Engr. Tech. Spec. DATE 12-17-85

(This space for Federal or State office use)

APPROVED BY J. Mark Hudson TITLE Atty DATE 2-28-86

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side



ARCO Oil & Gas Company

Division of Atlantic Richfield Company

**Blow Out Preventer Program**

**Lease Name** Turner "B"

**Well No.** 74

**Location** 330 FNL + 490 FEL (Unit A)  
29-17S-31E Eddy Co., NM

**BOP to be tested when installed on well and will be maintained in good working condition during drilling. All wellhead fittings to be of sufficient pressure to operate in a safe manner.**

Well Name and No. Turner "B" No. 74 Location 330' FNL &  
990' FEL, 29-17S-31E, Eddy Co., New Mexico Drilled 1960

Type of Job P&A Field Cedar Lake - Abo  
 TD 7250' PBD 6799' DATUM GL Elevation KB 3748' By: D. Steinert/R. Chivvis

## Wellhead Information

Casing Information:	Size	Weight	Grade	Set @	Sx Cmt	Top
Surface	<u>8-5/8"</u>	<u>24#</u>	<u>J-55</u>	<u>1600'</u>	<u>776</u>	<u>Surf - Circ</u>
Intermediate						
Producing	<u>4-1/2"</u>	<u>11.6 9.5</u>	<u>J-55</u>	<u>7250'</u>	<u>1300</u>	<u>1520 Temp</u>
Liner						<u>Survey</u>

Present Perfs: From NONE To \_\_\_\_\_ Holes \_\_\_\_\_ Stimulation \_\_\_\_\_  
 From \_\_\_\_\_ To \_\_\_\_\_ Stimulation \_\_\_\_\_

Present Open Hole: Size NONE From \_\_\_\_\_ To \_\_\_\_\_ Stimulation \_\_\_\_\_

Tubing Data: Size 2-3/8" Wt. 4.7 Grade J-55 Thd EUE 8rd Btmd @ 3022  
 Jts. 96 Misc \_\_\_\_\_

Packer \_\_\_\_\_ Depth \_\_\_\_\_ Tension \_\_\_\_\_ Comp \_\_\_\_\_  
 Tbg Anchor \_\_\_\_\_

Miscellaneous: 3-24-65 spotted 25 sx cement 6799-7126' over CIBP at 7126' and perfs  
at 7076'-7117'. 11-20-61 sqz Abo 7182-7192' w/133 sx.

## PROCEDURE

1. Notify BLM of intention to P&A. MIRU PU. NU BOP.
2. POH w/96 joints 2-3/8", 4.7#, J-55, EUE-8rd tubing.
3. TIH with 2-3/8" WS OE. Verify PBD at 6799'. Circulate w/9.5 ppg GBW (25#/BBL Gel).
4. POH LD WS to 3550'. Set a balanced cement plug w/25 sx Cl "C" Neat from 3550-3194'. (Base of Grayburg - San Andres plug).
5. POH LD WS to 2950'. Set a balanced cement plug w/25 sx Cl "C" Neat from 2950'-2594' (Top of Grayburg - San Andres plug).
6. POH LD WS to 2250'. Set a balanced cement plug w/25 sx Cl "C" Neat from 2250-1894'. (Fren Seven Rivers plug).
7. Perforate 4-1/2" casing with 4 shots at 1515'.
8. TIH w/FBRC and set at 680'. Test annulus to 500 psi. Establish injection rate. POH.
9. TIH w/CR and set at 680'. Test annulus to 500 psi. Cement 4-1/2" casing and 4-1/2" x 8-5/8" annulus w/220 sx Cl "C" Neat. Calculated TOC in 4-1/2" x 8-5/8" annulus is 666'. (Shoe, top and base of salt plug).
10. Perforate 4-1/2" casing with 4 shots at 360'. Close blind rams. Establish circulation out 4-1/2" x 8-5/8" annulus if possible.
11. Cement 4-1/2" casing and 4-1/2" x 8-5/8" annulus with 140 sx Cl "C" Neat. (Surface plug).
12. Install 4" x 4' steel marker with well name, well number and well location stenciled or beaded on marker. The marker must be cemented permanently in the ground, and the top should be closed with a screw cap, welding or a cement plug.



# General Purpose Worksheet

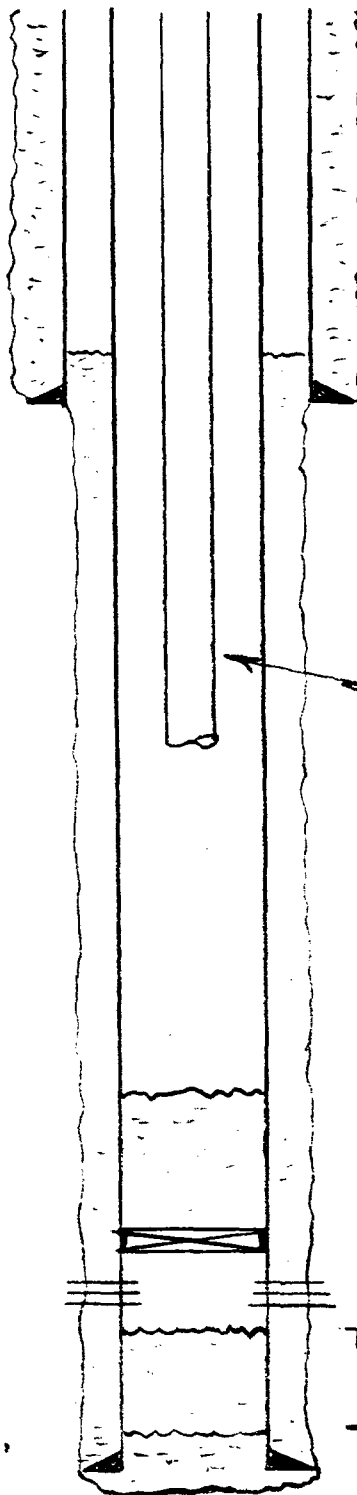
Subject	TURNER 'B' NO. 74		Page No.	Of
File	By	RWC	Date	10-28-85

8 5/8" x 24# J-55 @ 1600'  
w/ 776 SX

1.2 8.077

4 1/2" x 11.6, 9.5# J-55 @ 7250'  
w/ 1300 SX

1.2 4.070



TOC @ SURF. (CIRC.)

SALT @ 736' - 1600'

TOC @ 1520' (TEMP SURVEY)

OTHER PRODUCING FM.  
FREN 7 RIVERS @ 2200'  
GRAYBERG-SANANDRES 2900'-3500'

96 JTS 2 3/8", 27',  
-1735, EVE - BAD 736

6799' PBD. SPOTTED 25 SX ACROSS  
PERFS 7076'-7117'

7126' C.I. BRIDGE PLUG TO  
ISOLATE PERFS. AT 7134'-7141'

7142' PBD SQZ PERFS. 7182'-7192  
W/ 133 SX

7207' PBD

7250' TD

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE\*

(See other in-  
structions on  
reverse side)Form approved.  
Budget Bureau No. 42-R355.5.

5. LEASE DESIGNATION AND SERIAL NO.

**Las Cruces 029395 (b)**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

**Turner "B" / W / Abo**

9. WELL NO.

**74**

10. FIELD AND POOL, OR WILDCAT

**Cedar Lake Abo**11. SEC., T., R., M., OR BLOCK AND SURVEY  
OR AREA**29-717S-R31E**12. COUNTY OR  
PARISH**Eddy**

13. STATE

**New Mexico**

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG\*

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other ☐

b. TYPE OF COMPLETION:

NEW WELL ☐ WORK OVER ☒ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other **APR 16 1965**

2. NAME OF OPERATOR

**Sinclair Oil & Gas Company****O. C. C.**

3. ADDRESS OF OPERATOR

**P. O. Box 1920, Hobbs, New Mexico****ARTESIA, OFFICE**

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

At surface **330' from the North line and 990' from East line**

At top prod. interval reported below

At total depth **as above**

14. PERMIT NO.

DATE ISSUED

15. DATE SPUDDED

**10-27-60**

16. DATE T.D. REACHED

**11-21-60**

17. DATE COMPL. (Ready to prod.)

**3-18-65**

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\*

**3735' GR**

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD &amp; TVD

**7450'**

21. PLUG, BACK T.D., MD &amp; TVD

**7126'**22. IF MULTIPLE COMPL.,  
HOW MANY\***3735' GR****0-7250'**23. INTERVALS  
DRILLED BY

ROTARY TOOLS

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*

**7076-7117' Abo**25. WAS DIRECTIONAL  
SURVEY MADE**No**

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
<b>8-5/8"</b>	<b>24#</b>	<b>1600'</b>	<b>11"</b>	<b>776 Sacks</b>	<b>None</b>
<b>4-1/2"</b>	<b>9.5#</b>		<b>7-7/8"</b>		
<b>4-1/2"</b>	<b>11.6#</b>	<b>7250'</b>	<b>7-7/8"</b>	<b>1300 Sacks</b>	<b>None</b>

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACK SET (MD)

31. PERFORATION RECORD (Interval, size and number)

**7076-84', 7098-7102', 7104-7108',  
7113-7117' w/ 40 - 3/8" holes**

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
<b>7076-7117'</b>	<b>1000 Gals. Acid w/Max 2</b>
<b>7076-7117'</b>	<b>Squeeze w/25 sks. cement</b>

33.\* PRODUCTION

DATE FIRST PRODUCTION 3-18-65		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Pumping				WELL STATUS (Producing or shut-in) Shut-in (Hold F/Future Dev)	
DATE OF TEST 3-18-65	HOURS TESTED 24	CHOKE SIZE Pumping	PROD'N. FOR TEST PERIOD →	OIL—BBL. 1/2	GAS—MCF. -	WATER—BBL. 159	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

**M. L. Moore, Jr.**

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

TITLE

**Superintendent**

DATE

**4-13-65**

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

Grizx2cc: JGS. Artesia. cc: Mr. RFS. cc: file

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TR. DATE\*  
(Other instructions on re-  
verse side)

Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

Las Cruces 029395 (b)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Turner "B" SP / Abo Reef

9. WELL NO.

74

10. FIELD AND POOL, OR WILDCAT

Cedar Lake Abo

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

29-T17S-R31E

12. COUNTY OR PARISH 13. STATE

Eddy

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 ☐

2. NAME OF OPERATOR

Sinclair Oil & Gas Company

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

330' from the North line and 990' from East line of  
Section 29-T17S-R31E NM PM Eddy County, New Mexico

14. PERMIT NO.

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

3748' DF

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\*

(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.)\*

3-6-65 Set C.I. Bridge Plug @ 7126'.

3-7-65 Jet perforate Abo 7076'-84', 7088'-7102', 7104'-7108', 7113'-7117' w/40 - 3/8" holes.

3-8-65 Spot 1,000 gallons acid w/Flax-2 over perms. 7076'-7117', Max. Press. 1100#, Min. Press. 0#, Inst. SIP 1000#, 10 min. SIP 500# @ .45 EPM.

3-17-65 Pump Abo perforations 7076'-7117' 159 BFW and 1/2 BO in 24 hours.

RECEIVED

MAR 29 1965

U. S. G.  
ARTESIA, OFFICE

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

SIGNED

TITLE

Superintendent

DATE

3-23-65

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

Original: USGS, Artesia, CC:Mr.R.F.S. cc:file

\*See Instructions on Reverse Side

FOLD MARK

8-5/8 4-3/2	1000 7250	110 1300	Halliburton		
----------------	--------------	-------------	-------------	--	--

PLUGS AND ADAPTERS

Heaving plug—Material \_\_\_\_\_ Length \_\_\_\_\_ Depth set \_\_\_\_\_

Adapters—Material \_\_\_\_\_ Size \_\_\_\_\_

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

TOOLS USED

Rotary tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

Cable tools were used from **Surface** feet to **7250** feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

DATES

\_\_\_\_\_, 19\_\_\_\_ Put to producing \_\_\_\_\_, 19\_\_\_\_

The production for the first 24 hours was \_\_\_\_\_ barrels of fluid of which **December 3** % was oil; **60** %  
 emulsion; \_\_\_\_\_ % water; and \_\_\_\_\_ % sediment. **314** Gravity, °Bé. **29** **0**

If gas well, cu. ft. per 24 hours **71** **0** Gallons gasoline per 1,000 cu. ft. of gas **40.0**

Rock pressure, lbs. per sq. in. \_\_\_\_\_

EMPLOYEES

\_\_\_\_\_, Driller \_\_\_\_\_, Driller

**K. R. Stroud** \_\_\_\_\_, Driller **R. D. Whirley** \_\_\_\_\_, Driller

**H. R. Jackson** \_\_\_\_\_

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	736	736	Redbed & Anhydrite
736	1235	499	Redbed, Anhydrite & Salt
1235	1600	365	Anhydrite & Salt
1600	2627	1027	Anhydrite & Gyp
2627	2734	107	Anhydrite & Lime
<del>2734</del>	<del>2734</del>		
2734	7250	4516	Lime
7250	Total Depth		

Deviation Surveys				Geological Tops	
1	●	550	2 ●	3986	Yates 1597
1	●	1005	1-3/4 ●	5047	Queen 2575
2	●	1600	1-1/2 ●	5725	San Andres 3373
1-1/2	●	2351	4-1/2 ●	6439	Glorieta 4920
2-1/2	●	2978	4-3/4 ●	6975	Abo Reef 7083
2	●	3452			

FROM—	TO—	TOTAL FEET	FORMATION

## 16-43094-2 U. S. GOVERNMENT PRINTING OFFICE

SURF NO.	DCL FOOT DEPTH	LOGS DURATION	DISK	VOLUME	KIND OF LOG	REMARKS	FROM -	TO -	DATE
11-22-60						Run Electric logs. Cemented 7250' of 4-1/2" OD 9.5 & 11.6 J-55 Casing at 7250' w/total of 1300 sks cement (1100 sks 50/50 diamix plus 6% gel & 200 sks 50/50 diamix plus 2% gel). Completed 4:00 AM 11-22-60. WOC.			

11-24-60 Top of cement behind 4-1/2" csg at 1520' f/surface. Tested 4-1/2" csg. w/2000 lbs pump pressure for 30 mins w/o decrease in pressure. (Cement set 24 hrs before starting test). Jet perforated 4-1/2" csg f/7148 to 7160 @ 24 1/2' holes. Treated perfor w/250 gals acid. Max Press 5000#, inj rate 2 BPM. Stabbed dry.

11-25-60 Acidized perf 7148-60 w/1500 gals acid, Max Press 4400, Min Press 3100, inj rate 2-1/2 BPM, SIP 2400, 10 min SIP 1750. Tested 4 bbls formation water per hour. OIL OK GAS SANDS OK ZONES

11-27-60 Pulled tubing & Packer. Set Cast Iron Retainer at 7125' and squeezed off  
perfs 7148-60 w/ 30 mcs cement. Max Press 5000#, reversed out 3 mcs.

11-29-60 Drilled out retainer & cement. Tested casing w/1000 lbs pump pressure for 30 mins - tested OK. 215166

11-30-60 Jet perforated 4-1/2" sag 1/7152-92 w/20 1/2" holes, Ran 2" tbg & packer  
 Location --- 3336-7170, # --- Time and --- of --- Time of --- Sec. --- Elevation --- 3332

12-1-60 Mud acid washed perfs 7182-92 w/250 gals. Max Press 5100, Min Press 4000,  
inj rate 2.5 BPM, 5 min SIP 3050, Subbed dry. Acidized perfs 7183-92  
w/1500 gals regular acid, Max Press 4500, Min Press 4300, inj rate 2.0 BPM  
5 min SIP 3050. Subbed dry.

12-2-60 Acidized perfs 7182-92 w/6000 gals LST Acid, Max Press 4100, Min Press 3400,  
inj rate 3.8 BPM. 5 min SIP 2700. Swabbing & Tested.

12-3-60 7207:PB Abo - on 24 hour potential test - ending 6:00 AM 12-4-60, well flows 93 bbls new 40.0 gravity oil & 221 bbls formation water thru 36/64" choke. The Press 752, Cag Press-Packer, GOR-1680 to 12" completed as an oil well thru perms 7182-7192 at top allowable of 80 bbls oil per calendar day.

UNITED STATES RECEIVED

DEPT OF JUSTICE TO DIRECTOR  
 DEPT OF JUSTICE  
 DEPT OF JUSTICE

ADMINISTRATIVE EXPLOSIVES IS-31-60  
 15. 10/10/61 20:30-1039213

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SANTA FE	
U.S.G.S.	
LAND OFFICE	
TRANSPORTER	OIL GAS
PRODUCTION OFFICE	
OPERATOR	

# NEW MEXICO OIL CONSERVATION COMMISSION Santa Fe, New Mexico

(Form C-104)  
Revised 7/1/57

## REQUEST FOR (OIL) - (GAS) ALLOWABLE

DEC 9 1960 New Well  
Recompletion

This form shall be submitted by the operator before an initial allowable will be assigned to any completed Oil or Gas well. Form C-104 is to be submitted in QUADRUPLICATE to the same District Office to which Form C-101 is sent. The allowable will be assigned effective 7:00 A.M. on date of completion or recompletion, provided this form is filed during calendar month of completion or recompletion. The completion date shall be that date in the case of an oil well when new oil is delivered into the stock tanks. Gas must be reported on 15.025 psia at 60° Fahrenheit.

Hobbs, New Mexico  
(Place)

December 6, 1960  
(Date)

WE ARE HEREBY REQUESTING AN ALLOWABLE FOR A WELL KNOWN AS:

**Sinclair Oil & Gas Company** **Turner "B" SP**, Well No. **74**, in **NE**  $\frac{1}{4}$  **NE**  $\frac{1}{4}$ ,  
(Company or Operator) (Lease)  
**A**, Sec. **22**, T. **17S**, R. **31E**, NMPM., **Cedar Lake Abo** Pool  
Unit Letter

**Bldy**

County. Date Spudded **10-27-60** Date Drilling Completed **11-21-60**  
Elevation **7735** Total Depth **7250** PBDT **7207**

Please indicate location:

D	C	B	A <b>X</b>
E	F	G	H
L	K	J	I
M	N	O	P

Top Oil/Gas Pay **7083** Name of Prod. Form. **Abo Reef**

### PRODUCING INTERVAL -

Perforations **7182-7192**  
Open Hole \_\_\_\_\_ Depth \_\_\_\_\_ Casing Shoe **7207** Depth \_\_\_\_\_ Tubing **7170**

### OIL WELL TEST -

Natural Prod. Test: \_\_\_\_\_ bbls. oil, \_\_\_\_\_ bbls water in \_\_\_\_\_ hrs, \_\_\_\_\_ min. Choke Size \_\_\_\_\_  
Test After Acid or Fracture Treatment (after recovery of volume of oil equal to volume of load oil used): **93** bbls. oil, **221** bbls water in **24** hrs, **0** min. Choke Size **Pump**

### GAS WELL TEST -

Natural Prod. Test: \_\_\_\_\_ MCF/Day; Hours flowed \_\_\_\_\_ Choke Size \_\_\_\_\_

Tubing, Casing and Cementing Record  
Size Feet Sx

<b>8-5/8</b>	<b>1600</b>	<b>776</b>
<b>4-1/2</b>	<b>7207</b>	<b>1300</b>
<b>2-3/8</b>	<b>7170</b>	<b>tdg</b>

Method of Testing (pitot, back pressure, etc.): \_\_\_\_\_

Test After Acid or Fracture Treatment: \_\_\_\_\_ MCF/Day; Hours flowed \_\_\_\_\_

Choke Size \_\_\_\_\_ Method of Testing: \_\_\_\_\_

Acid or Fracture Treatment (Give amounts of materials used, such as acid, water, oil, and sand): **250 gals. mud acid & 7500 gals. regular acid**

Casing \_\_\_\_\_ Tubing \_\_\_\_\_ Date first new \_\_\_\_\_  
Press. **75** Press. **Packer** oil run to tanks **December 3, 1960**

Oil Transporter **Texas-New Mexico Pipeline Company**

Gas Transporter **Skelly Oil Company**

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

I hereby certify that the information given above is true and complete to the best of my knowledge.

Approved **DEC 9 1960**, 19\_\_\_\_

**Sinclair Oil & Gas Company**  
(Company or Operator)

By: **ER Wood**  
(Signature)

Title **Ass't. Dist. Supt.**

Send Communications regarding well to:

Name **E. R. Wood**

OIL CONSERVATION COMMISSION

By: **ML Armstrong**

Title \_\_\_\_\_

(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYLand Office Las CrucesLease No. 029395 (b)Unit Turner "B" SP

RECEIVED

NOV 2 1960

## SUNDRY NOTICES AND REPORTS ON WELLS

O. C. C.

ARTESIA, OFFICE

NOTICE OF INTENTION TO DRILL.....	<input checked="" type="checkbox"/>	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....		SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....		SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....		SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

October 24, 1960

Well No. 74 is located 330 ft. from [N] line and 3990 ft. from [E] line of sec. 29NE 1/4 Sec. 29

(1/4 Sec. and Sec. No.)

17S

(Twp.)

31E

(Range)

NMPM

(Meridian)

Cedar Lake - Abo

(Field)

Eddy

(County or Subdivision)

New Mexico

(State or Territory)

The elevation of the derrick floor above sea level is \_\_\_\_\_ ft.

## DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

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OCT 27 1960

Sinclair Oil & Gas Company's Well No. 74, Turner "B" SP Lease

U. S. GEOLOGICAL SURVEY

ARTESIA, NEW MEXICO

8-5/8" OD casing 2 1/2" 1600' (or thru salt)650 sacks & circ4-1/2" OD casing 9.5" 7300'1000 sacks (or cement back into surface casing)

Propose to drill with rotary tools to a depth of approximately 7300' to test the Abo Reef 6850' to TD.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Sinclair Oil & Gas CompanyAddress P. O. Box 1470Midland, TexasBy C. D. Satterwhite  
(R. D. Satterwhite)  
Title Chief Clerk, Production Dept.

**NEW MEXICO OIL CONSERVATION COMMISSION**  
**WELL LOCATION AND ACREAGE DEDICATION PLAT**

FORM O-126  
 Revised 5/1/57

SEE INSTRUCTIONS FOR COMPLETING THIS FORM ON THE REVERSE SIDE

**SECTION A**

Operator <b>Sinclair Oil &amp; Gas Company</b>		Lease <b>Turner "B" SP</b>		Well No. <b>74</b>
Unit Letter <b>A</b>	Section <b>29</b>	Township <b>17 South</b>	Range <b>31 East</b>	County <b>Eddy</b>
Actual Footage Location of Well: <b>330</b> feet from the <b>North</b> line and <b>990</b> feet from the <b>East</b> line				
Ground Level Elev.	Producing Formation <b>Abo Reef</b>	Pool <b>Cedar Lake - Abo</b>	Dedicated Acreage: <b>40</b> 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:

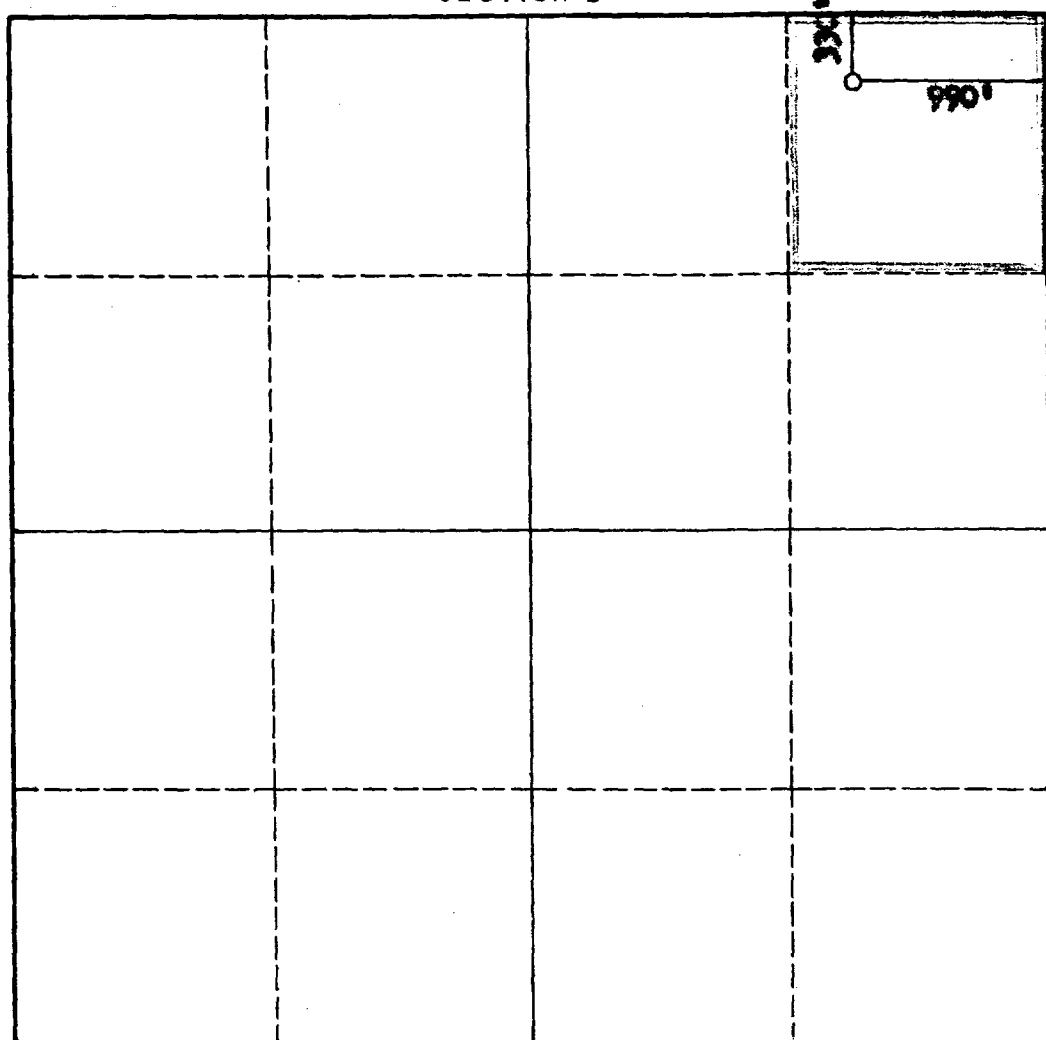
Owner	Land Description

**RECEIVED**

**OCT 27 1960**

**U. S. GEOLOGICAL SURVEY  
 ARTESIA, NEW MEXICO  
 CERTIFICATION**

**SECTION B**



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

Name *R. T. Lathrop*  
 Position **Div. Clerk Prod. Dept.**  
 Company **Sinclair Oil & Gas Co.**  
 Date **October 21, 1960**

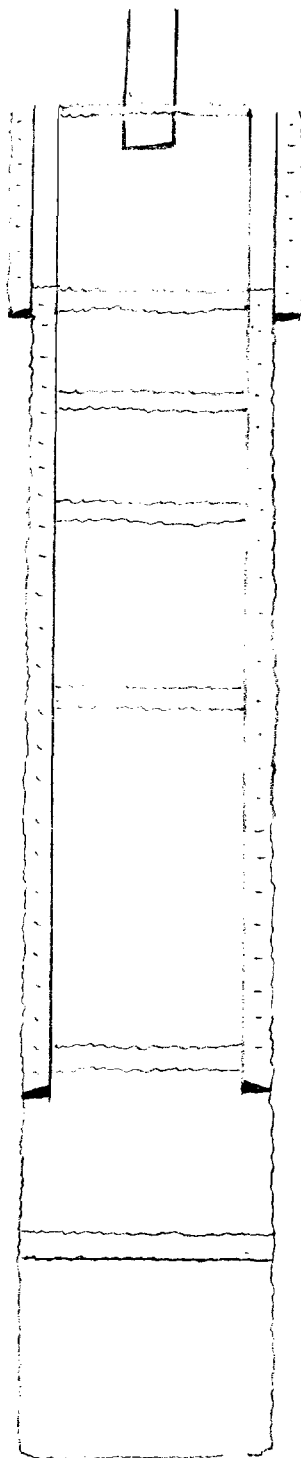
I hereby certify that the well location shown on the plat in SECTION B was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed **10/21/60**  
 Registered Professional Engineer and/or Land Surveyor *John W. West*

Certificate No. **676**

0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0





DRY HOLE MARKER

TOC @ SURF. (CIRC.)

SALT @ 425' - 1476'

CEMENT PLUG 1675' - 1575'

CEMENT PLUG 2240' - 2140'

CEMENT PLUG 3140' - 2940'

CEMENT PLUG 4625' - 4525'

CEMENT PLUG 7260' - 7160'

CEMENT PLUG 8466' - 8366'

9900' TD

8 5/8" x 24# J55 @ 1600'

4 1/2" x 11.6, 9.5# J-55 @  
7300'

(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYLand Office Las Cruces  
Lease No. 029375 (b)  
Unit Turner "B" 3P

RECEIVED

MAR 30 1961

## SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF		ARTESIA, OFFICE
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING		
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING		
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR		
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT		<input checked="" type="checkbox"/>
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY		
NOTICE OF INTENTION TO ABANDON WELL	<input checked="" type="checkbox"/>			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Hobbs, New Mexico Jan. 9, 19 61Well No. 73 is located 330 ft. from N line and 660 ft. from W line of sec. 29

<u>1/4 Sec. 29</u> (1/4 Sec. and Sec. No.)	<u>17S</u> (Twp.)	<u>31E</u> (Range)	<u>101M</u> (Meridian)
<u>Undesignated</u> (Field)	<u>ddy</u> (County or Subdivision)	<u>New Mexico</u> (State or Territory)	

The elevation of the derrick floor above sea level is \_\_\_\_\_ ft.

Verbal approval from Jim Knopf to  
C.C. Oethard 1/7/61

## DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

TD 9900' - Dry - Set 8 5/8" Casing 3 1608' Cement Circulated

DST# 1 - 7160 to 7190' - Abs - 2 Hrs. Recovered 3994' Black Sulphur Water

IFF 1328- FFF 2500- 2Hr. SIP 2694'

DST# 2 - 9730 to 9779' - Penn.-2 Hrs. Recovered 20' Drlg. Mud- no show oil, gas or Water

IFF &amp; FFF Zero- 2Hr. SIP 504'

Fill hole with heavy mud and set;

40 Sk. Cement Plug 1/ 8366 to 8466'

40 " " " 1/ 7188 to 7225'

40 " " " 1/ 4525 to 4625'

80 " " " 1/ 2940 to 3140'

40 " " " 1/ 2140 to 2240'

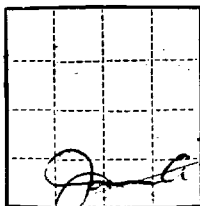
40 " " " 1/ 1525 to 1625'

Set 4" "Regulation "Marker" 4' Above surface level in 15Sk. Cement in top 8 5/8" Cg. &  
Bottom of Celler- Fill Celler & Level Location. P&A Completed

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Sinclair Oil & Gas CompanyAddress 520 E. Broadway, Hobbs, N.M.By Lee L. L...Title Dist. Supt.

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(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office **Las Cruces**  
Lease No. **029395 (b)**  
Unit **TURKEY**

DEC 22 1960

SUNDRY NOTICES AND REPORTS ON WELLS O. C. C.  
ARTESIA, OFFICE

NOTICE OF INTENTION TO DRILL.....		SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....	<b>XX</b>	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....		SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....		SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....		SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Hobbs, New Mexico, Dec. 10, 19 60

Well No. **75** is located **330** ft. from **N** line and **660** ft. from **E** line of sec. **29**  
**N 1/4 Sec. 29** **17S** **31E** **RMPM**  
 (1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
**Undesignated** **body** **New Mexico**  
 (Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is \_\_\_\_\_ ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Original proposal: To drill to 7300 feet and set 4 1/2" OD Casing & Cement back into Surface Casing

PROPOSE TO CHANGE TO:

To deepen to 9900 feet and set 4 1/2" OD Casing @ 9900 feet and cement back into surface casing

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company **Sinclair Oil & Gas Company**

Address **520 E. Broadway, Hobbs, N.M.**

By

Title **Dist. Supt.**

**ILLEGIBLE**

TURNER D	15
NW/4 NW/4	29-17S-31E

## PLUGS AND ADAPTERS

Heaving plug—Material ..... Length ..... Depth set .....

Adapters—Material \_\_\_\_\_ Size \_\_\_\_\_

## SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

## TOOLS USED

Rotary tools were used from Surface feet to 9900 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

## DATES

**PLUGGED AND ABANDONED**  
**JANUARY 10 1961**

-----, 19-----

Put to producing January 10, 19 61

The production for the first 24 hours was \_\_\_\_\_ barrels of fluid of which \_\_\_\_\_% was oil; \_\_\_\_\_% emulsion; \_\_\_\_\_% water; and \_\_\_\_\_% sediment. Gravity, °Bé. \_\_\_\_\_

Gravity, °Bé.

If gas well, cu. ft. per 24 hours \_\_\_\_\_ Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_

Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in. \_\_\_\_\_

## EMPLOYEES

D. V. Harrison -----, Driller

S.O. Throgmorton ..... Driller

B. J. Green Driller

Driller

## FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	425	425	Redbed
425	1476	1051	Anhydrite & Salt
1476	2934	1458	Anhydrite
2934	3108	174	Anhydrite & Lime
3108	9260	6152	Lime
9260	9817	557	Lime & Shale
9817	9900	83	Shale
9900 - Total Depth Drilled.			
<u>DEVIATION SURVEYS</u>			<u>GEOLOGICAL TONS</u>
1 @ 570			Yates 1462
1 1/2 @ 1174			7 Rivers 1822
1 @ 1732			Queen 2148
2 1/2 @ 2298			Grayburg 2825
3 3/4 @ 3046			San Andres 3247
3 1/2 @ 3766			Abo Reef 7162
2 @ 4485			Wolfcamp 8340
3 1/2 @ 5819			Penn.
5 @ 6435			
5 @ 6916			
3-3/4 @ 7525			
2 1/2 @ 8163			
2 1/2 @ 8850			
1 @ 9445			

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**"LOVERJ**

1A-43194-2

**FORMATION RECORD—Continued**

ILLEGIBLE

NEW NEW 29-175-31E

16-43094-2 U. S. GOVERNMENT PRINTING OFFICE

CLASS 256	DEL 1961 1961-62	TYPE DIRECTOR DEL	TYPE	AMOUNT	DATE OF DEL.	CURRENT VALUE, DOLL.	FROM— RECEIPTS	TO— EXPENDITURE	REMARKS
--------------	---------------------	----------------------	------	--------	--------------	----------------------	-------------------	--------------------	---------

Spudded 11" hole 11-6-60,  
11-8-60 - set 1608' of 8-5/8" OD J-55 2 1/2" osg at 1608' & cemented w/650 sks cement.

1-6-61 DST #2 - f/9730-9779 - tool open 2 hrs, recovered 20' drig mud. IFP-Zero,  
BR IFP-Zero, BR IFP-200, BR IFP-50.

(Dewofe daz pñ G)

**1-10-61 DRY HOLE - Plugged and abandoned.**

100 North Vermont, Chicago 2, Illinois 2/12/60-7160

10 snok cement plug 2/1625-4525

DO NOT REMOVE FROM FILE 1/31/60-2910

b6  
b7C

NO WORK CURRENT PLUS 1/280-2119

12675-1575

15 black cement block in top of 8-5/8" car and bottom of cellar. Set

regulation / "fish market," floundered and abandoned.

3X

12 200 1 112 5 116 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000 1001 1002 1003 1004 1005 1006 1007 1008 1009 1010 1011 1012 1013 1014 1015 1016 1017 1018 1019 1020 1021 1022 1023 1024 1025 1026 1027 1028 1029 1030 1031 1032 1033 1034 1035 1036 1037 1038 1039 1040 1041 1042 1043 1044 1045 1046 1047 1048 1049 1050 1051 1052 1053 1054 1055 1056 1057 1058 1059 1060 1061 1062 1063 1064 1065 1066 1067 1068 1069 1070 1071 1072 1073 1074 1075 1076 1077 1078 1079 1080 1081 1082 1083 1084 1085 1086 1087 1088 1089 1090 1091 1092 1093 1094 1095 1096 1097 1098 1099 1100 1101 1102 1103 1104 1105 1106 1107

DATE	30	31	32	33	34
1966					

JUNGE. 1960 76

799622

[illegible]

ГОСУДЕ АМЕР СОУВЕСТИА

## GEOLOGICAL BULLETIN

MAILED 21/1/53

PRICE OF LEVANT TO GREECE

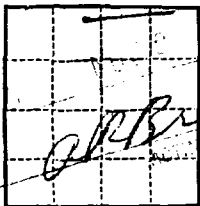
~~СЛУЖБА~~

U.S. FISH COMMISSION

DECLASSIFIED BY: 62401 15-01-00  
 AUTHORITY: 62401 15-01-00

FOUO 0-330

ILLEGIBLE



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYLand Office Los Alamos  
Lease No. 089395 (b)  
Unit Turner "B" SP

RECEIVED

## SUNDRY NOTICES AND REPORTS ON WELLS NOV 3 1960

NOTICE OF INTENTION TO DRILL.....	<input checked="" type="checkbox"/>	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	<input type="checkbox"/>
NOTICE OF INTENTION TO CHANGE PLANS.....	<input type="checkbox"/>	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	<input type="checkbox"/>
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	<input type="checkbox"/>	SUBSEQUENT REPORT OF ALTERING CASING.....	<input type="checkbox"/>
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	<input type="checkbox"/>	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	<input type="checkbox"/>
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	<input type="checkbox"/>	SUBSEQUENT REPORT OF ABANDONMENT.....	<input type="checkbox"/>
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	<input type="checkbox"/>	SUPPLEMENTARY WELL HISTORY.....	<input type="checkbox"/>
NOTICE OF INTENTION TO ABANDON WELL.....	<input type="checkbox"/>		<input type="checkbox"/>

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

October 28, 19 60

Well No. 75 is located 330 ft. from N line and 660 ft. from W line of sec. 29  
NW/4 Sec 29 17S 31E NMPM  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Cedar Lake - Abo Eddy New Mexico  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is \_\_\_\_\_ ft.

## DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Sinclair Oil & Gas Company's Well No. 75, Turner "B" SP Lease

8-5/8"OD casing	24#	1600' (or thru salt)	650 sacks & circ
4-1/2"OD casing	9.5#	7300'	1000 sacks (or cement back into surface casing)

Propose to drill with rotary tools to a depth of approximately 7300' to test the Abo Reef 6850' to TD.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Sinclair Oil & Gas CompanyAddress P. O. Box 1470Midland, TexasBy R. D. Satterwhite  
(R. D. Satterwhite)  
Title Chief Clerk, Production Dept.

**U. S. GEOLOGICAL SURVEY  
LOCATION AND ACREAGE DEDICATION PLAT**

FORM G-128  
REVISED 5-1-57

INSTRUCTIONS FOR COMPLETING THIS FORM ON THE REVERSE SIDE

**SECTION A**

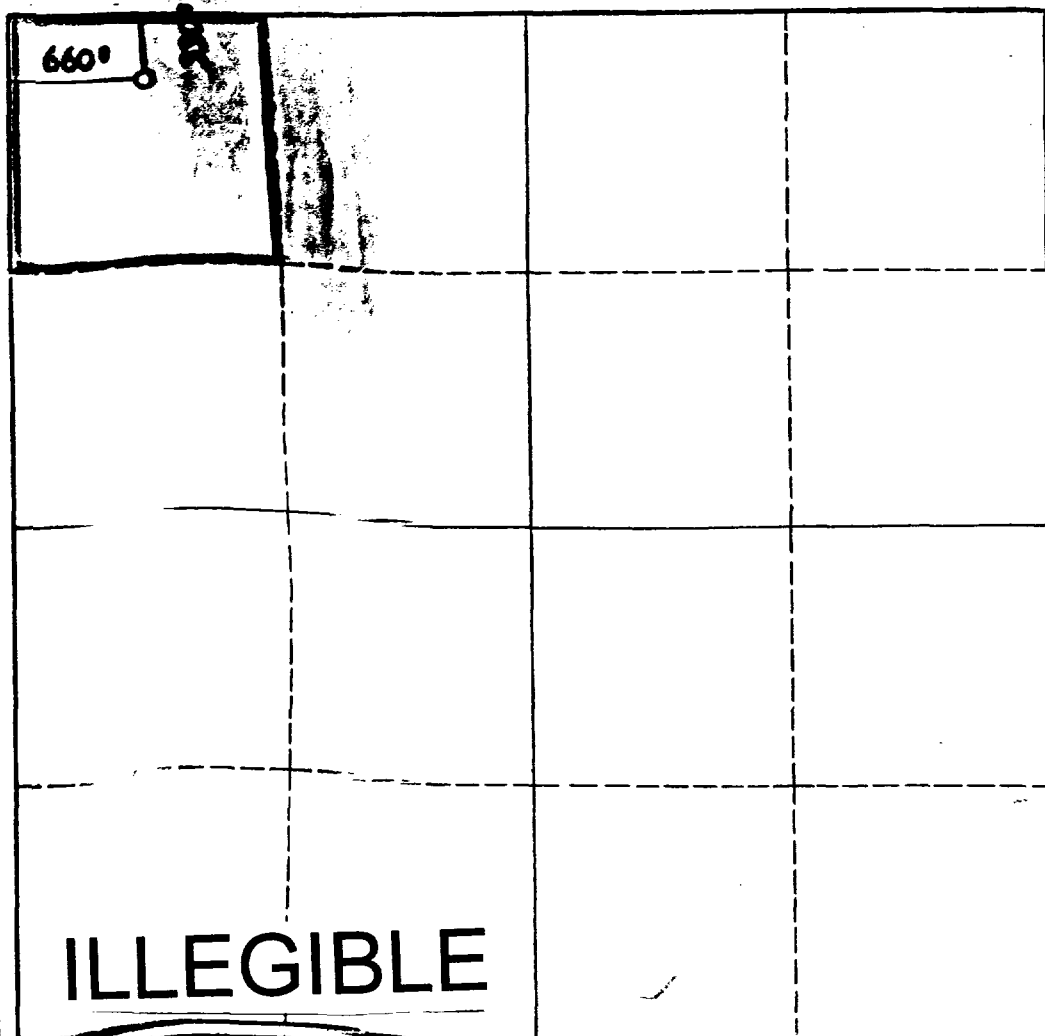
Operator <b>Sinclair Oil &amp; Gas Company</b>		Lease <b>Turner "B" SP</b>		Well No. <b>75</b>
Unit Letter <b>D</b>	Section <b>29</b>	Township <b>17 South</b>	Range <b>31 East</b>	County <b>Eddy</b>
Actual Footage Location of Well: <b>330</b> feet from the <b>North</b> line and <b>660</b> feet from the <b>West</b> line				
Ground Level Elev.	Producing Formation <b>Abo Reef</b>	Pool <b>Cedar Lake - Abo</b>	Dedicated Acreage: <b>40</b> 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:

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Owner	Land Description
	NOV 1 1960
	U. S. GEOLOGICAL SURVEY, ARTESIA, NEW MEXICO

**SECTION B**



**CERTIFICATION**

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

Name *L. D. Luthersick*  
Position  
**Div. Clerk Prod. Dept.**  
Company  
**Sinclair Oil & Gas Co.**  
Date  
**October 28, 1960**

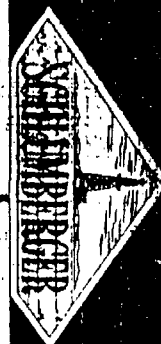
I hereby certify that the well location shown on the plat in SECTION B was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed **10/29/60**  
Registered Professional Engineer  
and/or Land Surveyor

Certificate No. **676**

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0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500



*Laboratory - Gamma Ray - Neutron*

COUNTY EDDY  
FIELD or LOCATION WILDCAT  
WELL TURNER "B" #65  
COMPANY SINCLAIR OIL & GAS CO.

COMPANY SINCLAIR OIL & GAS COMPANY  
WELL TURNER "B" #65  
FIELD WILDCAT  
COUNTY EDDY STATE NEW MEXICO  
Location: 330' FSL  
1980' FWL  
Sec. 20 Twp. 17S Rge. 31E  
Other Services: MLH

Permanent Datum: GROUND LEVEL Elev.:         
Log Measured From GROUND LEVEL Ft. Above Perm. Datum  
Drilling Measured From GROUND LEVEL

Elev.: K.B.         
D.D.F.         
G.L. 3676

Date 5-12-60  
Run No. 1  
Depth - Driller 7497  
Depth - Schlum. 7488  
Btm. Log. Interval 7483  
Top Log. Interval 9  
Casing - Driller 8 5/8 @ 3800 @         
Casing - Schlum. 3796 @         
Bit Size 7 7/8  
Type Fluid in Hole GEL, CHEM

Dens. 9.2 Visc. 40  
PH Fluid Loss 1.5 CC  
Source of Sample 1.5 CC  
Rm @ Meas. Temp.        @         
Rmf @ A.        @         
Rmc @ A.        @         
Rmf @ B. H. T.        @         
Rmc @ B. H. T.        @         
Source: Kmf Rmc        @         
mf @ B. H. T.        @         
mc @ B. H. T.        @       

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THIS HEADING AND LOG CONFORM TO API RECOMMENDED STANDARD PRACTICE RP - 31



Additional Samples

Type Log	Depth	Scale Changes	Scale Up Hole	Scale Down Hole
NEUTRON	3770	240-640-1040	360-960-155	
Run No.	Tool Type	Pad Type	Tool Position	Other
1	GNT - G RLT - B		ECCENTRIC	

ALIBRATION: GAMMA RAY Backgnd. C.P.S. 115 Test S. + Bkgd. C.P.S. 470 Galv. Incr. (Divisions) 100 Sens. Tap (For Cal.) 500 Sens. Tap (Record) 300 Time Const. 2 Record Speed (Ft./Min.) 30 & 60