

(SUBMIT IN TRIPLICATE) *copy*UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYLand Office Las Cruces  
Lease No. 029126 (a)  
Unit N.E. 1/4 Sec. 4

## 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.....            | <u>Subsequent report deepening, setting X</u><br><u>liner, perforating &amp; convert to water inj. well.</u> |

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

September 26, 1962

Well No. 4 is located 1980 ft. from [N] line and 1280 ft. from [E] line of sec. 4

|                                                 |                                        |                                           |                           |
|-------------------------------------------------|----------------------------------------|-------------------------------------------|---------------------------|
| <u>NE 1/4 Sec. 4</u><br>(1/4 Sec. and Sec. No.) | <u>17S</u><br>(Twp.)                   | <u>11E</u><br>(Range)                     | <u>RMPM</u><br>(Meridian) |
| <u>Grayburg Jackson</u><br>(Field)              | <u>Eddy</u><br>(County or Subdivision) | <u>New Mexico</u><br>(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)

- 8-23-62 - 3341TD Moved in cable tools, Kincaid & Watson, contractor.
- 9-13-62 - 3042TD Completed deepening well from 3341 to new total depth of 3842.
- 9-14-62 - Set 774' of 9.5# 4-1/2" CD liner at 3042, top of liner at 3066. Cemented liner w/95 lbs regular cement, reversed out 15 lbs. Completed @ 4:00 PM 9-14-62. WOC.
- 9-18-62 - 302575TD Jet perforated 4-1/2" liner 3760-63 & 3016-22 w/18 1/2" holes. Ran 2" tbg to 3025 w/packer at 3735. Had acid washed perfs w/250 gals. Max press 3000, Min press 2500, inj rate 2 BPM. Pulled tbg & packer.
- 9-19-62 - Jet perforated 4-1/2" liner 3331-40, 3350-54, 3366-68, 3438-46, 3457-60, 3463-69, 3473-75, 3477-79, 3482-86, 3504-06, 3518-20, 3535-37, 3544-46, 3554-56, 3560-62, 3572-80, & 3595-3604 w/total 132 1/2" holes.

cont'd back of page.

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,Albuquerque, New MexicoBy [Signature]Title Dist. Supt.

Orig 2cc: USGS; cashFD, JM, File

9-19-62 Set retrievable bridge plug at 3719, 2" plug at 3500 w/packer at 3525. Had acid washed perfor 3572-80 & 3595-3601 w/250 gals. Max press 2300#, min press 1900#, inj rate 2 BPM.

9-20-62 Moved bridge plug to 3566 & packer to 3191. Had acid washed perfor 3501-06, 3518-20, 3535-37, 3541-46 & 3551-56 w/250 gals. Max press 3000#, min press 1100#, inj rate 2 BPM. Moved packer to 3130 & had acid washed perfor 3136-46, 3157-60 & 3163-67 w/250 gals. Max press 2100#, min press 1750#, inj rate 3 BPM, 5 min SIP 600#. Moved bridge plug to 3100 & packer to 1300. Had acid washed perfor 1331-40, 1350-51, & 1366-68 w/250 gals. Max press 3800, min press 1600, inj rate 3 BPM, 5 min SIP-vacuum. Pulled plug, packer & bridge plug.

9-21-62 Ran 2" tubing w/Outbore L30 packer & holdown to 3101 w/packer Model K dual packer at 3000.

9-21-62 Ran 3000' of 2" tubing to Model K packer set at 3000'.

9-21-62 Injected 202 bolts water into perforations below Outbore packer set at 3101, in 12 hrs. Max Press Zero. Injected 171 bolts water into perforations above Outbore packer set at 3101 in 12 hrs. Max Press Zero. FINAL REPORT - wells worked over, deepened, perforated & created & completed as a dual water injection well for use in Grayburg Jackson Waterflood Project.

**APPROVED**  
AUG 17 1962  
ROMAN E. SHOOK  
ACTING DISTRICT ENGINEER

(SUBMIT IN TRIPLICATE)

Land Office Las Cruces

Lease No. 029426

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY**

ARTESIA, OFFICE

**SUNDRY NOTICES AND REPORTS ON WELL**

|                                                  |                                                 |
|--------------------------------------------------|-------------------------------------------------|
| 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.....             | 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.....         |                                                 |

Log-log Liner - Treat dual zones - Convert well from oil to water injection

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

**RECEIVED**

AUG 16 1962

U. S. GEOLOGICAL SURVEY  
ARTESIA, NEW MEXICO

Monterey, New Mexico, August 14, 1962

Well No. 4 is located 1980 ft. from N line and 1980 ft. from E line of sec. 4

104/4 (1/4 Sec. and Sec. No.) 12 (Twp.) 31 (Range) 104/4 (Meridian)

Crayburg-Jackson (County or Subdivision) New Mexico (State)

The elevation of the derrick floor above sea level is 5942 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)

ID- 3341 - 7" Casing set to 3169' w/ 200 lbs.

Propose to deepen approx. 500' and cement Electric Log & selectively perforate. Set 5 1/2" liner on bottom

Treat individual zones and complete as dual water injection well

First action taken on 4, E. West "A" and "B" Crayburg-Jackson Water Flood per Oil Conservation Commission order B-2268

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  [Signature]

Title  Dist. Mgt.