

Form 9-331a
(Feb. 1961)Budget Bureau No. 42-R368.4.
Approval expires 12-31-60.

(SUBMIT IN TRIPLICATE)

Land Office Las CrucesLease No. LC-058603Unit DUNITED 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
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 of Perforating and Fracture Treatment</u>

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

Ballard "B" ☒ February 14, 1964Well No. 2 is located 990 ft. from N line and 990 ft. from EX line of sec. 8NW 1/4 of NW 1/4 18 29-E NMP
(1/4 Sec. and 1/4 Sec. No.) (Twp.) (Range) (Meridian)Loco Hills Eddy New Mexico
(Field) (County or Subdivision) (State or Territory)The elevation of the derrick floor above sea level is 3550 ft.

DETAILS OF WORK Performed 1-22 to 2-10-64

(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)

Ran Schlumberger Log (1-22-64). Perforated 5 1/2" casing with 2 Jet holes per foot as follows: 2453-55; 2463-65; 2479-81; 2492-94; 2554-58; 2576-89; 2618-32 and 2649-57. Fractured various sections down 2 1/2" tubing using Lynes straddle packers & slick water as follows:

1st stage-(open Hole) 2695 to 3086; 11,000 gallons & 10,000# sand.

2nd stage-2649-57; 5,200 gallons & 1,500# sand

3rd stage-2618-32 (communication to csg. annulus)

4th stage-2576-89; 8,000 gallons & 4,000# sand

5th stage-2554-58; 3,800 gallons & 1,800# sand

6th stage-2479-81 & 2492-94; (communication to csg. annulus)

7th stage-2453-55 & 2463-65; (communicated to csg. annulus)

Average Injection rate 12.4 BPM, Average Pressure 4100 PSI. Ran 2 3/8" OD tubing to 2999 and put on pump (2-10-64). (Cont. on reverse side)

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

Company Harlan Production CompanyAddress Box 355Monahans, TexasBy [Signature]Title Petroleum Engineer

ORIGINAL WELL DATA
 D.F. Elev. 3550; T.D. 3086; Producing Interval (San Andres open hole to 2695 to 3086) Comp. date (1-4-53); 5" casing at 2695. This well has been inactive since July, 1953.

RESULTS OF WORKOVER

Date of Test
 BOPD
 MCOPD
 BOPD

Before	Inactive	After
"	"	2-13-64
"	"	27
"	"	38
"	"	0