



(SUBMIT IN TRIPLICATE)

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

Budget Bureau 42-R358.3.  
Approval expires 12-31-55.**Las Cruces**

Land Office

**LC 032099 b**

Lease No.

Unit **NMPU****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 Plugback X</b>

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

**Lockhart R-31****September 24**, 19 **56**Well No. **4** is located **330** ft. from **SW** line and **660** ft. from **E** line of sec. **31****SE/4 Sec 31**  
(1/4 Sec. and Sec. No.)**21 S 36 E**  
(Twp.) (Range)**NMPM**  
(Meridian)**Jalmat**  
(Field)**Lea**  
(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 mudlogging jobs, cementing points, and all other important proposed work)

**BEFORE WORKOVER:** TD Line 3674', PB 3841', DP 10', elev 3629', Pay Seven Rivers and Queen 3788-3841' open hole. Casing point 5 1/2" set at 3788'. Shut in. **WORK DONE:** Set retainer 3715', plugback to 3715' with 250 sacks cement within limits of Jalmat Pool. Perf 5 1/2" cas 3145-3255' w/2 bullets/ft, sandfree with 6000 gal treatment. **AFTER WORKOVER:** TD Line 3674', PB 3715', DP 10', elev 3629', Jalmat Gas Pool completion: Pay Yates 3145-3255', perf 3145-3255'. Calculated open flow potential 8,480 MCFFD. S.I.P. 1219.2 PSIA. DELIVERABILITY at 600 PSIG is 7,760 MCFFD, at 150 PSIG is 8,450 MCFFD. Estimated daily allowable 1050 MCFFD. Probable pipe line conn: El Paso Natural Gas Co.

**Workover started 9-12-56, completed 9-20-56, tested 9-20-56.**

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

Company **Continental Oil Company**Address **Box 68****Dumas, New Mexico**

By \_\_\_\_\_

Title **District Superintendent**