

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires July 31, 1996

Oil Cons.
N.M. Div-2
1301 W. Grand Avenue
Artesia, NM 88210

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No.
2. Name of Operator Phillips Petroleum Company		6. Indian Allottee or Tribe Name
3a. Address 4001 Penbrook St., Odessa, TX 79762	3b. Phone No. (include area code) 915/368-1488	7. If Unit or CA/Agreement, Name and/or No.
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1980' FSL & 1980' FWL, Sec. 1, UL "K", T-22-S, R-30-E		8. Well Name and No. Livingston Ridge Federal #6
		9. API Well No. 30-015-26408
		10. Field and Pool, or Exploratory Area Cabin Lake (Delaware)
		11. County or Parish, State Eddy, NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <u>Perforate, Stimulate, Reactivate</u>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Add additional perforations within the Cherry Canyon zone, acidize & fracture treat, return TA'd well to production. Procedure attached.

RECEIVED
OCD ARTESIA

14. I hereby certify that the foregoing is true and correct Name (Printed/Typed) L. M. Sanders	Title Supervisor, Regulation/Proration
Signature <i>Celeste A. Sanders for L.M.S.</i>	Date 12/07/01

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by (ORIG. SGD.) ALEXIS C. SWOBODA	PETROLEUM ENGINEER DEC 13 2001
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office

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.

E. Recommended Procedure

1. MIRU DDU. Hook up workover pit. ND wellhead and NU shop tested, Class 1 BOP and environmental tray.
2. PU and TIH with 5 1/2" treating packer on 2 7/8" tubing. Set packer at 5890'+/-. Test CIBP at 7350' and casing below packer to 1000 psi. Test casing above packer to 500 psi. Unseat packer.
3. Spot 200 gallons of 10% acetic acid across 5800-5900'. COOH with 2 7/8" tubing and 5 1/2" packer.
4. Perforate Cherry Canyon Delaware 5840-5845' and 5856-5866' with 2 SPF top down (34 holes, 120 degree phasing) using 4" casing gun as per Schlumberger Compensated Neutron / Litho-Density Log dated 10/30/91 (log section attached). Correlate with Halliburton Depth Control Log dated 11/12/91.
5. PU and TIH with 5 1/2" treating packer on 2 7/8" tubing. Test tubing to 6000 psig while GIH. Set packer at 5820'+/-.
6. RU swab equipment and swab test. RD swab equipment.
7. Test surface lines to 5500 psig and pressure annulus to 500 psig. Fracture treat Cherry Canyon perforations 5840-5845' and 5856-5866' with 12,000 gal 25# Delta Frac 140 carrying 32,500 lbs of 16/30 mesh brown sand coated with SandWedge NT. Treat at 15 BPM and with a maximum pressure of 5000 psi as follows:
 - a. Pump 2000 gallons of 25# Linear Gel
 - b. Pump 4000 gallons of 25# Delta Frac Pad.
 - c. Pump 3000 gallons of 25# Delta Frac, Ramp 1-4 ppg 16/30 brown sand (7500 lbs).
 - d. Pump 3000 gallons of 25# Delta Frac, Ramp 4-5 ppg 16/30 brown sand (13500 lbs).
 - e. Pump 1000 gallons of 25# Delta Frac, Ramp 5-6 ppg 16/30 brown sand (5500 lbs).
 - f. Pump 1000 gallons of 25# Delta Frac, 6 ppg 16/30 brown sand (6000 lbs).
 - g. Flush w/ 34 barrels of slick water (one bbl short of top perf).
 - h. Record ISIP, 5 min, 10 min, and 15 min shut in pressures.
 - i. Shut in well until gel breaks.
8. RU swab equipment and swab well in. RD swab equipment.
9. TIH with 2 7/8" production tubing.
10. ND BOP and NU WH. RIH with pump and rods.
11. Install on lease, on hand Rotaflex pumping unit from Livingston Ridge #2.
12. Hang well on. RDMO DDU and place well on production. Report results on DIMS for three days and drop from report.