

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE\*  
(Other instructions 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 type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO. SF 080511
2. NAME OF OPERATOR LIVELY EXPLORATION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR c/o Walsh Engineering & Production Corp. P. O. Box 254, Farmington, New Mexico 87401		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  930' FNL, 800' FWL		8. FARM OR LEASE NAME Lively
14. PERMIT NO.		9. WELL NO. 21-E
15. ELEVATIONS (Show whether DE, RT, CR, etc.) 5990' GL		10. FIELD AND POOL, OR WILDCAT Basin Dakota
U.S. GEOLOGICAL SURVEY FARMINGTON, N. M.		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 31-T27N-R7W N.M.P.M.
		12. COUNTY OR PARISH Rio Arriba
		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.)\*

SEE ATTACHED FRACTURE TREATMENT.

FOR: LIVELY EXPLORATION CO.

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

ORIGINAL SIGNED BY

SIGNED EWELL N. WALSH

Ewell N. Walsh, P. E.

(This space for Federal or State office use)

President, Walsh Engr.

& Production Corp.

DATE 7/28/81

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

\*See Instructions on Reverse Side

NMOCC

SEP 10 1981  
OIL CON. COM.  
DIST. 3

SEP 10 1981

FARMINGTON DISTRICT  
BY sm

## FRACTURE TREATMENT

Formation Dakota Stage No. 1 Date 7/20/81Operator Lively Exploration Co. Lease and Well Lively 21-ECorrelation Log Type GR & CCL From 6688' To 6000'

Temporary Bridge Plug Type \_\_\_\_\_ Set At \_\_\_\_\_

Perforations 6568-78 and 6614-6626 and 6650-57 and 6663-67'  
1 Per foot type 3 1/8 jumbo jetPad 12,264 gallons. Additives 2 lbs. FR 20  
per 1000 gallons, 15 lbs. Adomite per 1000 gall  
1 gallon frac flo per 1000 gallons 2% potassium  
chlorideWater 80,000 gallons. Additives 2 lbs. FR-20  
per 1000 gallons 15 lbs. Adomite per 1000 galle  
in first 30,000 gallons 2% potassium chlorideSand 80,000 lbs. Size 20/40Flush 4,700 gallons. Additives 2 lbs. FR-20  
per 1000 gallons.Breakdown 1700 psig Picked up 1000 gallons 15% MCA.  
Ball off at 3800 psig.Ave. Treating Pressure 3500 psig Good ball action.Max. Treating Pressure 3600 psigAve. Injection Rate 48 BPMHydraulic Horsepower 4118 HHPInstantaneous SIP 2000 psig5 Minute SIP 1900 psig10 Minute SIP 1800 psig15 Minute SIP 1775 psigBall Drops: 0 Balls at \_\_\_\_\_ gallons \_\_\_\_\_ psig  
\_\_\_\_\_ Balls at \_\_\_\_\_ gallons \_\_\_\_\_ psig  
\_\_\_\_\_ Balls at \_\_\_\_\_ gallons \_\_\_\_\_ psig  
incre  
incre  
increRemarks: Did not drop balls due to pressure approximately 3500 lbs.**Walsh** ENGINEERING & PRODUCTION CORP.