

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TRIPPLICATE\*  
(Other instructions on re-  
verse side)

Form approved.  
Budget Bureau No. 42-R1424.  
5. LEASE DESIGNATION AND SERIAL NO.

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 checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		7. UNIT AGREEMENT NAME
2. NAME OF OPERATOR J. FELIX HICKMAN		8. FARM OR LEASE NAME Clark
3. ADDRESS OF OPERATOR P.O. BOX 12307 El Paso, Texas 79912		9. WELL NO. 7
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 330'FSL, 2310'FEL		10. FIELD AND POOL, OR WILDCAT Lindrith Gallup - Dakota West
14. PERMIT NO.		11. SEC., T., E., M., OR BLK. AND SURVEY OR AREA Sec. 6-T24N-R3W N.M.P.M.
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6983'G.L., 6996'D.F., 6997'K.B.		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 <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	

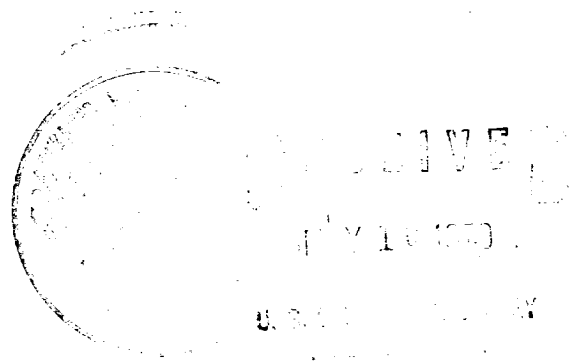
SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input checked="" type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <input type="checkbox"/>	

(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 FOR FRACTURE TREATMENTS.



FOR: J. FELIX HICKMAN

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

SIGNED Ewell N. Walsh, P.E.

PRESIDENT, WALSH ENGIN.  
& PROD. CORP.

DATE 5/7/79

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

TITLE \_\_\_\_\_

DATE \_\_\_\_\_



# FRACTURE TREATMENT

Formation Dakota "D" Stage No. I

Date 5/5/79

Operator J. Felix Hickman Lease and Well Clark No. 7

Correlation Log Type GR - CL From 7754' To 6450'

Temporary Bridge Plug Type None Set At \_\_\_\_\_

Perforations 7636'-7639', 7641'-7647' & 7649'-7654'  
2 Per foot type 3-1/2" Glass Strip Jet

Pad 7,000 gallons. Additives 1% Kcl. 2 lbs.  
FR-20 per 1000 gallons. 1 gallon Frac Flo per  
1000 gallons. 15 lbs. Adomite per 1000 gallons.

Water 42,500 gallons. Additives 1% Kcl. 2 lbs.  
FR-20 per 1000 gallons. 15 lbs. Adomite per  
1000 gallons.

Sand 40,000 lbs. Size 20-40

Flush 6,250 gallons. Additives 1% Kcl. 2 lbs.  
FR-20 & 1 gallon Frac Flo per 1000 gallons.  
15 lbs. Adomite per 1000 gallons.

Breakdown 4000 psig

Ave. Treating Pressure 3800 psig

Max. Treating Pressure 3850 psig

Ave. Injection Rate 42 BPM

Hydraulic Horsepower 3963 HHP

Instantaneous SIP 2400 psig

5 Minute SIP 2100 psig

10 Minute SIP 2000 psig

15 Minute SIP 1900 psig

Ball Drops: 8 Balls at 25,000 gallons 100 psig  
 \_\_\_\_\_ Balls at \_\_\_\_\_ gallons \_\_\_\_\_ psig increase  
 \_\_\_\_\_ Balls at \_\_\_\_\_ gallons \_\_\_\_\_ psig increase  
 \_\_\_\_\_ Balls at \_\_\_\_\_ gallons \_\_\_\_\_ psig increase

Remarks: Pressure test casing and B.O.P. with 4000 psig. Test ok.  
Spot 500 gallons 15% MCA across interval **Walsh** ENGINEERING & PRODUCTION CORP.  
to perforate.



# FRACTURE TREATMENT

Formation Dakota "A" Stage No. 2 Date 5/5/79

Operator J. Felix Hickman Lease and Well Clark No. 7

Correlation Log Type -- From                      To                     

Temporary Bridge Plug Type Halliburton Speed-E-Line Set At 7600'

Perforations 7433'-7438', 7440'-7456'

7460'-7477' & 7513'7517'

1 Per foot type 3-1/2" Glass Strip Jet

Pad 11,600 gallons. Additives 1% Kcl. 2 lbs.

FR-20 per 1000 gallons. 1 gallon Frac Flo per

1000 gallons. 15 lbs. Adomite per 1000 gallons.

Water 82,500 gallons. Additives 1% Kcl. 2 lbs.

FR-20 per 1000 gallons. 15 lbs. Adomite per

1000 gallons.

Sand 80,000 lbs. Size 20-40

Flush 5,050 gallons. Additives 1% Kcl. 2 lbs.

FR-20 per 1000 gallons.

Breakdown 2500 psig Breakdown & Spearhead 250  
gallons 15% MCA into Farmington.

Ave. Treating Pressure 3600 psig

Max. Treating Pressure 3750 psig

Ave. Injecton Rate 51 BPM

Hydraulic Horsepower 4533 HHP

Instantaneous SIP 1900 psig

5 Minute SIP 1600 psig

10 Minute SIP 1500 psig

15 Minute SIP 1500 psig

Ball Drops: 10 Balls at 40,000 gallons Slight psig  
increase

5 Balls at 60,000 gallons Slight psig  
increase

                     Balls at                      gallons                      psig  
increase

Remarks: Pressure test bridge plug with 4000 psig, Test ok.

**Walsh** ENGINEERING & PRODUCTION CORP.

