Form	9-331
May	1963

14. PERMIT NO.

UNITED STATES DEPARTMENT OF THE INTERIOR

SUBMIT	IN	TRIPL	ICA'	re•
(Other 1		uctions	on	16-
verse side	•)			

	Form a Budget	pproved Bureau	No.	42-J	1424
LEASE	DESIGN	ATION A	ND B	CRIAL.	NO.

THU CACE TO	
5. LEASE DESIGNAT	ION AND BERLAL NO.
Jicarilla	Joint Venture

12. COUNTY OR PARISH | 13. STATE

Rio Arriba

GEOLOGICAL	SURVEY

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.)	Jicarilla Apache
OIL GAS V	7. UNIT AGREEMENT NAME
WELL GAS WELL OTHER	
NAME OF OFERATOR Odessa Natural Corporation	8. FARM OR LEASE NAME. Jicarilla Joint Venture "PC"
ADDRESS OF OPERATOR	9. WELL NO.
P.O. Box 3908 Odessa, Texas 79760	103
 Location of well (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 	10. FIELD AND POOL, OR WILDCAT Ballard Pictured Cliffs
790' FNL, 1850' FEL	11. SEC., T., E., M., OR BLE. AND SURVEY OR AREA SEC. 10-T23N- R3W
	N M P M

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

NOT	ICE O	F INTENTION TO:		SUBSEQUENT	REPORT OF:	
TEST WATER SHUT-OFF		PULL OR ALTER CASING MULTIPLE COMPLETE ABANDON*		WATER SHUT-OFF FRACTURE TREATMENT SHOOTING OR ACIDIZING	REPAIRING WELL ALTERING CASING ABANDONMENT*	_
REPAIR WELL (Other)		CHANGE PLANS	_	(Other) (Note: Report results of recompletion or Recompletion	multiple completion on Well n Report and Log form.)	_

7157' G.L., 7168' D.F., 7169' KB

17. DENCRIBE 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 treatment



For:Qdessa Natural	Corp	oration
18. I hereby certify that the foregring is trace and careful	TITLE	President Walsh Engineering Production Corp. DATE 7-19-78
Ewell N. Walsh, P.E.		
(This space for Federal or State office use)	TITLE	ECEIVE
APPROVED BY	TITLE _	UH 0 4 1079

JUL 24 19/8

FRACTURE TREATMENT

Sta	age No. 1 Date 6-29-78
Operator Odessa Natural	Jicarilla Joint Corporation Lease and Well Venture PC No. 103
Correlation Log	Type GR-Collar From 2450 to 3143
Temporary Bridge Plug	Type None Set At
Perforations	2984-2992' and 3005-3020' 2 per foot type 3½" Glass Strip Jet
Pad	5000 gallons. Additives 2% KCl and 2 lbs. FR-20 per 1000 gallons.
Water	55,000 gallons. Additives 2% KCl and 2 lbs. FR-20 per 1000 gallons and 1 gallon Howco Suds per 1000 gals. in last 30,000 gals.
Sand	55,000 lbs. Size 20-40
Flush	2,100 gallons. Additives 2% KCl and 2 lbs. FR-20 and 1 gallon Howco Suds per 1000 gallons.
Breakdown	1600 psig
Ave. Treating Pressure	
Max. Treating Pressure	psig
Ave. Injecton Rate	BPM
Hydraulic Horsepower	980 HHP
Instantaneous SIP	
5 Minute SIP	600 _psig
10 Minute SIP	550 _psig
15 Minute SIP	525psig
Ball Drops:	10 Balls at 25,000 gallons None psig incre
	10 Balls at 40,000 gallons 75 psig incre
	Balls at gallons psig incre
Remarks: Well Shut in o	
	Walsh Engineering & PRODUCTION CORP.