Form 3160-3	5 BLM	1 File			SUBMIT IN TRIPLICATE*	FORMAPPR	OVED
(July 1992)	•				(Other instructions on	ОМВ 100. 1004-0136	
			UNITED STATES		reverse side)	Expires: Februar	y 28, 1995
		DEP	PARTMENT OF THE INTE	RIOR		5. LEASE DESIGNATION AND S	ERIAL NO.
		BUR	REAU OF LAND MANAGE	MENT		SF-078110 `	
	APPLIC		FOR PERMIT TO DRILL		N	6. IF INDIAN, ALLOTTED OR TRI	IBE NAME
1.a. TYPE OF WORK		₇ - 5	J	 1		1	
	DRI	LL	DEEPEN	RE-EN	ITER X	7. UNIT AGREEMENT NAME	
b. TYPE OF WELL		_		ana: 5	10 U TIDI E		
Oil Well		Gas Well	Other X	ZONE X	ZONE	8. FARM OR LEASE NAME, WEL	39
2. Name of Operator						Locke #1 SWD	
Dugan Production	n Corp.					9, API Well No.	
Address and Telephone No.		_				30-045-25630	
P.O. Box 420,	armingto	n, NM	87499 (505) 325 - 18	21	7 (1) (1) (1) (1) (1) (1) (1) (1	10. FIELD AND POOL , OR WILD	XAT SWD:
LOCATION OF WELL (Report is				-,,		Undesignated Me	esa Verde
) FSL & 1			H.C.	1 2002	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA	
At proposed prod. zone	same					Sec. 3, T29N, R1	14W
14. DISTANCE IN MILES AND S	DIRECTION FROM	NEAREST TO	WN OR POST OFFICE"			12. COUNTY OR PARISH San Juan	13. STATE
15. DISTANCE FROM PROPOS	ED*		16. NO. OF ACRES IN LEASE		17. NO. OF ACRES ASSIGNED		
LOCATION TO NEAREST		1 120	N		TO THIS WELL	N/A	· –
PROPERTY OR LEASE LINE (Also to nearest drig, unit line		1,120	′ 5	192.51		318.4	5
18. DISTANCE FROM PROPOS			19. PROPOSED DEPTH		20. ROTARY OR CABLE TOOLS		
TO NEAREST WELL, DRILL					:		
OR APPLIED FOR, ON THE	S LEASE, FT.	750'	3,50	D'		N/A	
21. ELEVATIONS (Show whether	r DF, RT, GR, etc		6' GL			22. APPROX. DATE WORK WILL	L START*
23.			PROPOSED CASING	AND CEMENTING	PROGRAM		
SIZE OF HOLE	GRADE	S. SIZES OF C	CASING WEIGHT PER FOO	T SE	TTING DEPTH	QUANTITY OF CEMENT	
		attache					
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41	JBIECH TO GENERAL !	(LQUIREN	ACM193		procedural revi and appeal put	ew pursuant to 43 repart to 43 cFR 3	CFR 3165. 1 65.4.

ations and measured and true vertical depths. Give blowout preve	Date <u>2/14/2002</u>
	., /
APPROVAL DATE	4/16/0-
s legal or equitable title to those rights in the subject lease which would entitle tr	ne applicant to conduct operations thereon.
vicz _{Title} AFM	Date APR 16
s	s legal or equitable title to those rights in the subject lease which would entitle to

*See Instructions on Reverse Side

Title 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 fictilious or fraudulent statements or representations as to any matter within its jurisdiction.

OIL CONSERVATION DIVISION

P. O. UOX 2048

STATE OF HEW MEXICO

SANTA FE. NEW MEXICO 87501

Form C-107 Revised 10-1-78

All distances must be from the cuter boundaries of the Jectim.

DIGAN PRODUCTION CORP. Township County Co			All distances must be fo					Well No.
County Product Letter Section Powerable 29N Name 1120 San Juan	Operator			1 -				1 SWD
Account Printings Location of Walls 120 test from the South time and 1120 test from the East lines Committee Printing Printi			Tamabla			County		
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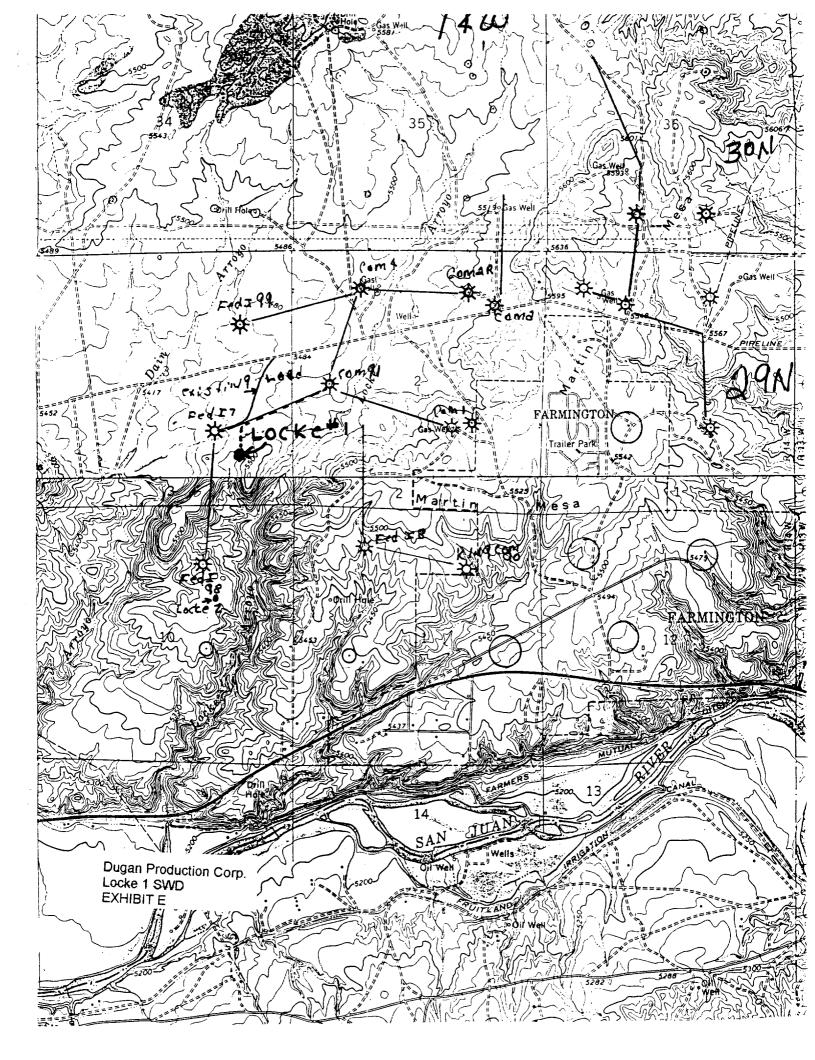


EXHIBIT B OPERATIONS PLAN

Locke 1 SWD
Sec. 3, T-29-N, R-14-W, NMPM
1120' FSL - 1120' FEL
San Juan County, New Mexico

FORMATION TOPS From Completion Report:

Kirtland	surface
Fruitland	700'
Pictured Cliffs	1020'
Lewis	1150'
Chacra	1668'
Cliff House	2560'
Point Lookout	3515'
Gallup	4750'
Dakota	5616'
Total Depth	6000'

LOGGING PROGRAM: No logs will be run.

CASING PROGRAM:

This is an existing well. Following is the original casing and cement information:

Hole Size	Casing Size	Wt./Ft.	Setting Depth	Grade
12-1/4	8-5/8	24	236	J-55
7-7/8	4-1/2	10.5	5988	J-55

CEMENTING PROGRAM:

Surface: 189 Cu. Ft. Class B with 3% CaCl₂. Circulated to surface.

Production Casing:

Stage 1: 276 cu. ft. Class B 50/50, 6% gel, tail with 13 cu. ft. Class B, 2% CaCl₂. Stage 2: Stage Tool at 3810'. 730 cu. ft. Class B 50/50, 6% gel, tail with 59 cu. ft.

Class B, 2% CaCl₂.

Stage 3: Stage Tool at 2453'. 201 cu. ft. Class B 50/50, 6% gel, tail with 59 cu. ft.

Class B, 2% CaCl₂.

The well will be re-entered by removing the dry hole marker. The production casing will be re-attached to the surface and well heads installed. The cement used to plug the well will be drilled out to below the Mesaverde. The Mesaverde will be perforated and used to dispose of salt water.

WELLHEAD EQUIPMENT:

Huber 8-5/8" x 4-1/2" casing head, 1000#WP, tested to 2000# Huber 4-1/2" x 2-3/8" tubing head, 2000# WP, tested to 2000#

A conventional 7-1/16" 2000 psi blowout preventer will be installed on the production casing during the workover. No choke manifold will be used. All operations will be inside existing production casing.

Dugan Prod. Corp. Office & Radio Dispatch: 325-1821 Kurt Fagrelius 325-4327 Mark Brown 327-3632 John Alexander 325-6927 John Roe 326-1034