Form 3160-3	5 BLM	1 File	-	n Jacobs		_	SUBMIT IN TRIPL			
(July 1992)						•	Other instruction	s on	OMB NO. 10	
				STATES	MITERIA		reverse side)	1	Expires: Februa	
				IT OF THE					5. LEASE DESIGNATION AND S	ERIAL NO.
	Apprila			LAND MAN			NI		NM-33050	TIPE NAME
	APPLIC	AHON	FUR PE	RMIT TO E	CALL OK				6. IF INDIAN, ALLOTTED OR TE	UDE NAME
1.a. TYPE OF WORK	DRII	لدلعا	~	DEEPEN		2001 M	18 13 PI	1 3: 4	3 UNIT AGREEMENT NAME	
b. TYPE OF WELL										
Oil Well		Gas Well X	Other		SINGLE ZONE	-	MULTIPLE ZONE	1 1	8. FARM OR LEASE NAME, WEL	1.NO. 715
2. Name of Operator		Well LAL	Ottel		2010				Jacobs #3	_ ,
Dugan Production	n Corp.								9. API Well No.	
3. Address and Telephone No.	<u></u>	-				يو ريسي ديو ريسي ديو	The same of the sa		<u>30-045- ろいら</u>	90
P.O. Box 420, F	armingto	on, NM	87499	(505) 32	<u>5 - 1821/</u>	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			10. FIELD AND POOL, OR WILL	
LOCATION OF WELL (Report loca	•				$f^{(i)}$		· (1)		Harper Hill FR	Sand PC -
At surface 1310'	FNL & 16	554' FW	L (NE/4 I	NVV/4)	f	APR 6	2001		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA	
At proposed prod. zone	same					# X			Unit C	
						(N)		<u> </u>	Sec. 26, T30N,	R14W
14. DISTANCE IN MILES AND DIR					\$	1	• •		12. COUNTY OR PARISH	13. STATE
Approx. 2 miles v		wy 170 8	& Twin M			· Ia	17. NO. OF ACRES A	SSIGNED	San Juan	NM
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST	•			16. NO. OF ACRES IN	T LEASE	·	TO THIS WELL	הפותונה		
PROPERTY OR LEASE LINE, FI		1200			400				160 N	\mathcal{W}
(Also to nearest drig, unit line, 18. DISTANCE FROM PROPOSED I		арргох.		19. PROPOSED DEPT	·····		20. ROTARY OR CAE	SLE TOOLS		
TO NEAREST WELL, DRILLING		from DF Jacobs			1420' —				Rotary	
OR APPLIED FOR, ON THIS LI 21. ELEVATIONS (Show whether !			#2	<u> </u>	1420 1				22. APPROX. DATE WORK WILL	L START*
5662' GL	or, kryok,esc.)								ASA	
23.				PROPOSED CASE	ING AND CEMEN	TING PROGR	MAS			
23. SIZE OF HOLE	GRADE	S, SIZES OF CAS	SING	T	ING AND CEMEN PER FOOT	SETT	RAM TING DEPTH		QUANTITY OF CEMENT	
SIZE OF HOLE 9-7/8"	7"	S, SIZES OF CAS	SING	weight 20#		SETT 120'	TING DEPTH		ft. circ. to surf.,	
SIZE OF HOLE 9-7/8" 6-1/4"	7" 4½"			weight 20# 10.5#	PER FOOT	seтт 120' 1420'	TING DEPTH	220 cu	ft. circ. to surf., I.ft. circ. to surf.	
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*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, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

DISTRICT I P.O. Box 1980, Hobbs, N.M. 88241-1980

State of New Mexico Energy, Minerals & Natural Resources Department

Form C-102 Revised Febuary 21, 1994 Instructions on back

Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

DISTRICT II P.O. Drawer DD, Artesia, N.M. 88211-0719

DISTRICT III 1000 Rio Brazos Rd., Aztec. N.M. 87410

OIL CONSERVATION DIVISION

P.O. Box 2088 Santa Fe, NM 87504-2088

☐ AMENDED REPORT

PO Box 2088, Santa Fe, NM 87504-2088

WELL LOCATION AND ACREAGE DEDICATION PLAT ⁵ Pool Name Pool Code API Number Harper Hills Fruitland Sand PC 78160 30 045 Well Number Property Name *Property Code 3 **JACOBS** • Elevation Operator Name OGRID No. DUGAN PRODUCTION CORPORATION 5662 006515 ¹⁰ Surface Location East/West line Feet from the County

North/South line Feet from the Lot Idn Township Range Section UL or lot no. SAN JUAN 1654 WEST NORTH 1310 14W 26 30N C Location If Different From Surface 11 Bottom Hole North/South line Feet from the East/West line County Lot Idn UL or lot no. Section Township Range 14 Consolidation Code 15 Order No. 2 Dedicated Acres 13 Joint or Infill 160 N W

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	OR A NON-STAN	DARD UNIT HAS BEEN APP	NOVED DI III DIVISION
Dugan Prod. NM-33050			17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and bettef
	1310'		
1654'	-	A 200	Last Fegrelian
	N=36°47°19.85° W=10876'54.66	- Pop soci	Signature
	SECTION	26	March 12, 2001 Date
			18 SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and
			Date of Survey
			Date of Survey Signature and sull ASENAGO Survey Signature and sull ASENAGO Survey Continued Number ALA DIS #50.70
			E Selling of the Million
			Certificate Number N.M. PLS #5979

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Jan	
1:4:5:	4-W
Existing Roads Exhibit E	Planned Access Road(s) Exhibit E
Vicinity of nearest town or reference pt. Approx. 15 mi. N & W of Farmington, NM	Width Maximum grades Drainage design as required Cuts & Fills as required
Type of surface <u>dirt</u>	Surfacing material none
Conditions good	Culverts \ \ Waterbars
Other	Cattleguards Access Road & Pipeline
Reference map: USGS map - Youngs Lake Quad DUGAN PRODUCTION CORP - JACOBS #3	Access road(s) do/do not cross Fed/Ind land.

EXHIBIT B OPERATIONS PLAN

Jacobs #3

APPROXIMATE FORMATION TOPS:

Ojo Alamo surface Kirtland surface Fruitland 950' Pictured Cliffs 1295'

Total Depth

1420'

LOGGING PROGRAM: Run cased hole CNL-CDL

Catch samples every 10 feet from 900 feet to total depth.

CASING PROGRAM:

Hole	Casing		Setting	Grade and
<u>Size</u>	<u>Size</u>	Wt./ft.	<u>Depth</u>	<u>Condition</u>
9-7/8"	7"	20#	±120'	J - 55
6-1/4"	4-1/2"	10.5#	±1420'	J - 55

Plan to drill a 9-7/8" hole and set 120' of 7" OD, 20#, J-55 surface casing; then plan to drill a 6-1/4" hole to total depth with gel-water-mud program to test Fruitland Sand/PC Formation. 4½", 10.5# J-55 casing will be run and cemented. Cased hole CNL-CDL log will be run. Productive zone will be perforated and fractured. After frac the well will be cleaned out and production equipment will be installed.

CEMENTING PROGRAM: All volumes are contingent upon Caliper logs.

<u>Surface</u>: Cement with 70 cu.ft. Class "B" neat. Circulate to surface

An adequate spacer will be pumped ahead of the cement slurry to help prevent mud contamination of the cement. An adequate number of casing centralizers will be run through usable water zones to ensure that casing is centralized through these zones. The adequate number of centralizers will be determined based on API standards. Centralizers to impart a swirling action around the casing will be used just below and into the base of the lowest usable water zone. These devices will assist mud displacement, increase cement bonding potential and create an effective hydraulic seal. A chronological log will be kept which records the pump rate, pump pressure, slurry density, and slurry volume for the cement job. The log will be sent to the BLM after completion of the job.

Exhibit B - Jacobs #3

Page 2 of 2

WELLHEAD EQUIPMENT:

Huber 7" x 4-1/2" casing head, 1000#WP, tested to 2000# Huber 4-1/2" x 2-7/8" tubing head, 1000# WP, tested to 2000#

BOP and Related Equipment will include for a 2000 psi system:

Annual preventer, double ram, or 2 rams with one being blind and one being a pipe ram

Kill line (2" minimum)

- 1 kill line valve (2" minimum)
- 1 choke line valve
- 2 chokes

Fill-up line

Upper kelly cock valve with handle available Safety valve and subs to fit all drill string connections in use Pressure gauge on choke manifold 2" minimum choke line

Dugan Prod.Corp	. Office &	Radio Dispatch:	325-1821
_		Kurt Fagreliu	is 325-4327
John Alexander	325-6927	Mark Brown	327-3632
Sherman Dugan	327-3121	John Roe	326-1034