SUBMIT IN TRIPLICATE*

FORM APPROVED

(Other

UNITED STATES				
DEPARTMENT OF THE INTERIOR				

instructions on	OMB NO. 1004-0:

	UNITE	D STATES		reverse side)		Expires: February	28, 1995
	DEPARTMEN	NT OF THE INTERIOR	₹			5. LEASE DESIGNATION AND SERIA	L NO.
	BUREAU OF	LAND MANAGEMEN	IT			NM-628	
	APPLICATION FOR PE	RMIT TO DRILL OR	DEEPE	N		6. IF INDIAN, ALLOTTED OR TRIBE	NAME
1.a. TYPE OF WORK							
b. TYPE OF WELL	DRILLLX	DEEPEN				7. UNIT AGREEMENT NAME	77/
Oil Oil	Gas	SINGLI		MULTIPLE		8. FARM OR LEASE NAME, WELL NO).
Well	Well X Other	ZONI	لعا	ZONE			
2. Name of Operator			75	75.00		Molly Pitcher #3	
Dugan Production	n Corp.	, di				9. API Well No.	
3. Address and Telephone No.	· · · · · · · · · · · · · · · · · · ·					30-045-30915	
P.O. Box 420 , F	armington, NM 87499	(505) 325 - 1821	APP	2 002	-	10. FIELD AND POOL , OR WILDCAT	r
	tion clearly and in accordance with any State requ	uirements.*)	Thank i			Harper Hill FR Sar	nd PC
	FSL & 1895' FEL (NW/4 \$		74.	<i>K</i>		11. SEC., T., R., M., OR BLK.	
						AND SURVEY OR AREA	
At proposed prod. zone	same	÷			1.	Sec. 14, T30N, R1	4W
			·.			12. COUNTY OR PARISH	13. STATE
	ECTION FROM NEAREST TOWN OR POST OFFICE	; -	**	3		San Juan	NM
5 miles north of F	ammington,rvivi	16. NO. OF ACRES IN LEASE		17. NO. OF ACRES A	SSIGNED	1	1
LOCATION TO NEAREST				TO THIS WELL			
PROPERTY OR LEASE LINE, FT	46201	320)			160 (SE/4)	
(Also to nearest drig, unit line, 18. DISTANCE FROM PROPOSED L		19. PROPOSED DEPTH		20. ROTARY OR CAE	SLE TOOLS	<u> </u>	
TO NEAREST WELL, DRILLING							
OR APPLIED FOR, ON THIS LE	EASE, FT. 1100°	1765'		<u></u>		Rotary	
21. ELEVATIONS (Show whether D	OF, RT, GR, etc.)					22. APPROX. DATE WORK WILL STA	ART*
5938' GL						ASAP	
23.		PROPOSED CASING AND CEME	ITING PROC	GRAM			
SIZE OF HOLE	GRADES, SIZES OF CASING	WEIGHT PER FOOT		TTING DEPTH	70	QUANTITY OF CEMENT	
8-3/4"	7"	20#	120'			ft. circ. to surf.	
61/4"	41/2"	10.5#	1765'		270 CL	ı.ft. circ. to surf.	
will be used to dri 1638'-1648'. The This action is su procedural review	el-mud will be used to drill production hole. The P interval will be fractured. Open to the control and w pursuant to 43 CFR 3165.4	ictured Cliffs Sandsto	ne will b	ne complete	ed from	approximately	
				٠ د د	endustics ==	one. If proposal is to diff or	
IN ABOVE SPACE DESCRIBE deepen directionally, give pe	PROPOSED PROGRAM: If proposal is to or rtinent data on subsurface locations and r	deepen, give data on present produ- measured and true vertical depths.	tive zone an Give blowou	a proposed new p t preventer progra	m, if any.	ine. It proposal is to drill or	
24. SIGNED Kur	1 Fagreling Title	_■ Geologist			_ Date	11/7/01	-
(This space for Federal or St	ate office use)				41	12.62	
PERMIT NO.		APPROVAL DAT	E		1/	22/22	
CONDITIONS OF APPROVAL	rant or certify that the applicant holds legal or ec , IF ANY: wid J. Mankiewicz	quitable title to those nghts in the subject	lease which wo	ould entitle the applica	ant to conduct Date	APR 2.2 (C	02

*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 PO Box 1980, Horbs, NM 88241-1980

District II FO Fraker DD. Antesia, NM 88211-0719

District III 1000 Rio Brazos Rd., Aztec. NM 87410

District IV PO Sox 2008, Santa Fe. NM 87504-2088

State of New Mexico Energy, Minerals & Natural Resources Department

PO Box 2088

Santa Fe. NM 87504-2088

Revised February 21, 1994 Instructions on beak OIL CONSERVATION DIVISION

Submit to Appropriate District Office State Lease - 4 Copies

Fee Lease - 3 Copies

AMENDED REPORT

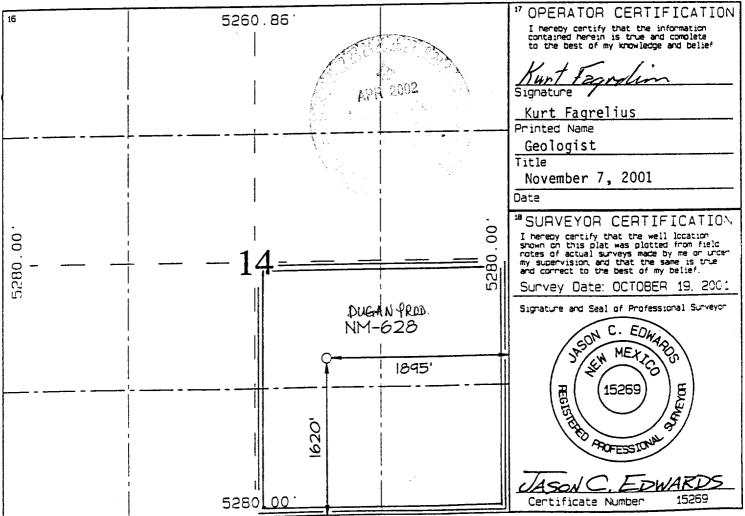
Form C-102

WELL LOCATION AND ACREAGE DEDICATION PLAT

'AFI Number 30 045 30 945	*Pool Code 78160	HARPER HILL FRUITLAND SAN	ND PICTURED CLIFFS
'Fraperty Code	MOL.	Well Number	
'CGAID No. 006515	DUGAN PROD	'Elevation 5938	

¹⁰ Surface Location Feet from the East/West line Councy Feet from the Lot Ion Township LL or let no. Section 1895 EAST SOUTH SAN JUAN 1620 14 MOE 14W From Surface Different 11 Bottom Hole Location Feet from the East/West line County Nocto/South line Lat Ion UL or let no. Section TOWNSDID ²⁵ Order No. 14 Consolidation Code 13 Joint or Infill 12 Cedicated Acres 160 Acres (SE/4)

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



DUGAN PRODUCTION CORPORATION MOLLY PITCHER #3 1620' FSL & 1895' FEL, SECTION 14, T30N, R14W, N.M.P.M. SAN JUAN COUNTY, NEW MEXICO NO N Proposed Road €Existing Road® Exhibit E.

EXHIBIT B OPERATIONS PLAN

Molly Pitcher #3

APPROXIMATE FORMATION TOPS:

Ojo Alamo/McDermott - surface Kirtland - 180' Fruitland - 1320' Pictured Cliffs - 1638'

Total Depth 1765'

LOGGING PROGRAM: Run cased hole CNL-CDL

Catch samples every 10 feet from 1450 feet to total depth.

CASING PROGRAM:

Hole Casing		Sett	Grade and	
Size	Size	<pre>Wt./ft.</pre>	<u>Depth</u>	<u>Condition</u>
8-3/4"	7"	20#	±120'	J-55
6-1/4"	4-1/2"	10.5# ±	±1765'	J-55

Plan to drill a 8-3/4" 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.

Surface: 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 - Molly Pitcher #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)

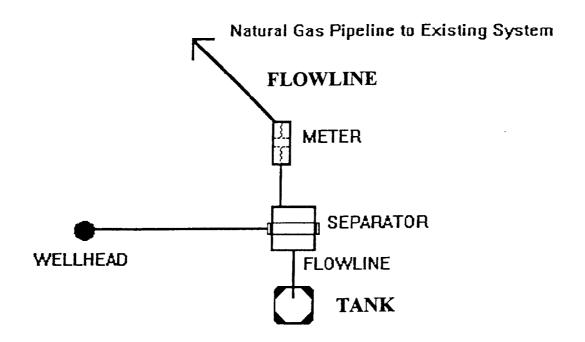
1 kill line valve (2" minimum)

1 choke line valve

2 chokes

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
Fill-up line

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



PLAT #1

Anticipated Production Facilities

Pictured Cliffs Well

DUGAN PRODUCTION CORP.

MOLLY PITCHER #3