Plan to drill 121/4" hole to 320' and set 8-5/8" OD, 24#, J-55 surface casing. A 7-7/8" hole will then be drilled with mud to total depth (6600') to test the Dakota formation. IES and CDL logs will be run. If considered productive, 41/2", 10.5# & 11.6# J-55 production casing with stage tool will be run. The Dakota will then be tested and completed for production. UNITEDNO OPERATIONS AUTHORIMED ARE SUBJECT TO COMPLIANCE WITH ATTACHED file sie the is surply to a formation and "GENERAL REQUIREMENTS". procedural review pursuant to 43 CFR 51551. and appeal pursuant to 43 CFR 3165.4. IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any, Date 6/29/2001 ⊝ πde Geologist *luri* SIGNED Kurt Fagrelius (This space for Federal or State office use) APPROVAL DATE PERMIT NO.

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.

CONDITIONS OF APPROVAL

Approved by 2

District I PO Box 1986, Hebbs, NM 32241-1980 District [] PO Drawer DD, Arlesia, NM 28211-8719 District III

1000 Rin Brums Rd., Antoc, NM 87410

006515

District IV

State of New Mexico Energy, Minerals & Natural Resources Department

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

OIL CONSERVATION DIVISION PO Box 2088 Santa Fe, NM 87504-2088

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

2001 JUL -5 PM 2: 26 AMENDED REPORT

PO Bax 2088, Santa Fe, NM 87504-2088 WELL LOCATION AND ACREAGE DEDICATION PLAT U/U CIP Paul Name 1 Pool Code ATI Number 30 045 30714 Basin Dakota 71599 * Well Number Property Code 1 E Davis Federal 3675 * Develies OGRID Ne. 64171 Dugan Production Corporation

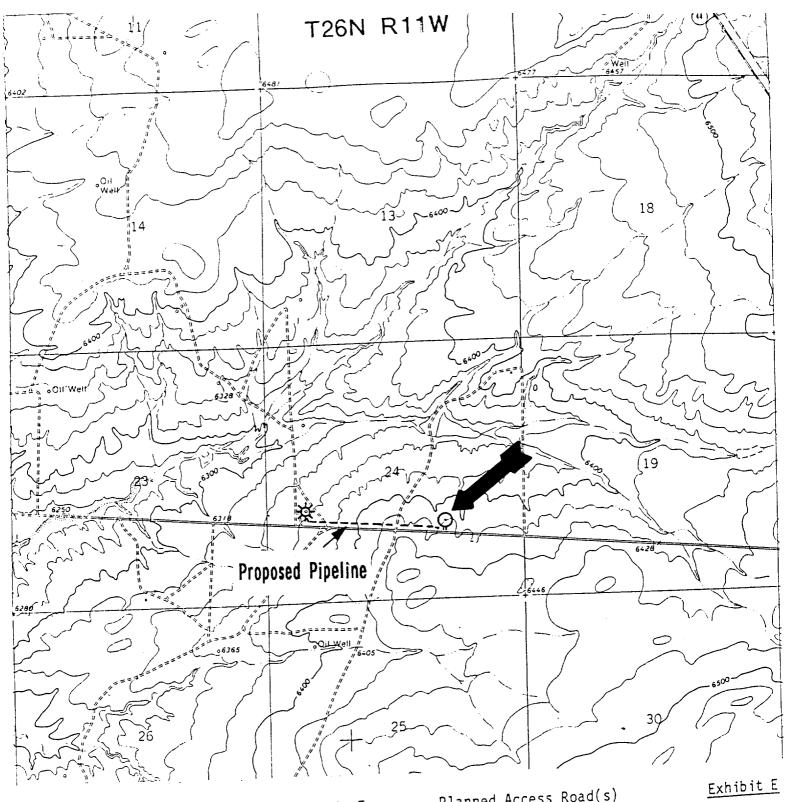
·		,		Let Ida	Feet from the	North/South Sec	Feed from the	East/West fine	County
UL or let se.	Section	Township	Range	Let lam	FOR HOME CAL	,,,,,,	1510	East	San Juan
<u> </u>	24	26N	11₩	1	1620	South	1610	East	3411 34411
J 24 26N 118 Bottom Hole Location If Different From Surface									
UL or ist ma.	Section	Township	Range	Lat lds	Foot from the	North/South Enc	Feet from the	East/West line	. County
42 44 4 4 4	i		l	1					<u> </u>
1				i	ł		<u> </u>	·	

18 Surface Location

¹³ Dedicated Acres ¹³ Joint or Infill | ¹⁴ Consolidation Code | ¹⁵ Order No.

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

NO ALLOWABLE A	OR A NON-STAN	DARD UNIT HAS BE	EEN APPROVED BY	THE DIVISION
16				17 OPERATOR CERTIFICATION 1 hereby certify that the information contained herein is true and complete to the best of my knowledge and belief
		NOV 2001		Kurt Fagralius
		RECEIVED OIL CON. DIV	010717277	Kurt Fagrelius Printed Name Geologist Title June 29, 2001
	Section	24		18SURVEYOR CERTIFICATION
	Dugan Prod. SF-078937	N=36°28'T4.88" W=107°57'07.36"		I hereby certify that the well location shown on this plot was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.
	·	<u> </u>	1610'	Date of Survey
		1620'		Constitute Newson Market Newson Newso
				too thinks



Fxi	sting	Roads
	301119	

Exhibit E

Vicinity of nearest town or reference pt. Approx. 20 miles south of Bloomfield, NM

Type of surface ______dirt

Conditions good

Other ____ Reference map: USGS map-Hnerfano Trading Post (NW) Quadrangle Map.

DUGAN PRODUCTION CORP - DAVIS FEDERAL #1E

Planned Access Road(s)

Width 20' Maximum grades 2% Drainage design <u>as required</u>
Cuts & Fills <u>as required</u> Cuts & Fills ___ Surfacing material none

⇒ Turnouts

<u>□</u>Culverts

∀ Waterbars

Cattleguards Access Road & Pipeline

Access road(s) do/do not cross ed/Ind land

EXHIBIT B OPERATIONS PLAN

Davis Federal #1E

APPROXIMATE FORMATION TOPS:

Ojo Alamo	710'	Point Lookout	4190'
Kirtland	825'	Mancos	4435'
Fruitland	1475'	Gallup	5275'
Pictured Cliffs	1760'	Greenhom	6140'
Lewis	2000'	Graneros	6195'
Cliff House	2630'	Dakota (+175)	6255'
Menefee	2705'		

Total Depth 6600'

LOGGING PROGRAM: Run IES, CDL & CNL logs

Catch samples every 10 feet from 5200' feet to 5800' & from 6100' to total depth.

CASING PROGRAM:

Hole	Casing		Setting	Grade and
<u>Size</u>	<u>Size</u>	Wt./ft.	Depth	Condition
121/4"	8-5/8"	24#	±320'	J-55
7-7/8"	4-1/2"	10.5# & 11.6#	±6600'	J-55

Plan to drill a 12-1/4" hole and set 320' of 8-5/8", 24#, J-55 surface casing; then plan to drill a 7-7/8" hole to total depth with gel-water-mud program to test Dakota Formation. IES, CDL & CNL logs will be run. If determined productive, 4½", 10.5# & 11.6# J-55 production casing will be run. The 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.

Approximate location of the first stage tool: 4400'
Approximate location of second stage tool: 1900'

Surface- Cement surface pipe w/220 sx (250 cu ft) of Class "G" cement + 2% CaCl2. Circulate to

surface.

1st Stage- Cement w/200 sx 65/35/8 w/8#/sx kol seal (420 cu ft) followed w/200 sx Class "H" w/0.3%

FL-52 & 0.4% CD-32 (210 cu ft).

Total cement slurry for 1st stage is 630 cu ft. Projected cement top for 1st stage is 4500 feet.

2nd Stage- Cement with 350 sx 65/35/8 w/8#/sx kol seal (795 cu ft) followed by 50 sx "B" w/6.25%

Gilsonite/sx (60 cu ft). Circulate to surface. Total cement slurry for 2nd stage is 855 cu ft. Total cement slurry for both stages is 1485 cu ft.

3rd Stage- Cement with 370 sx 65/35/8 with 8#/sx kol seal (800 cu ft) followed by 50 sx "B" with 6.25%

Gilsonite/sx (60 cu ft). Circulate to surface. Total cement slurry for 3rd stage is 850 cu ft. Total cement slurry for all stages is 2345 cu ft.

An adequate spacer will be pumped ahead of 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 - Davis Federal #1E 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
John Alexander	325-6927	Mark Brown	327-3632
Sherman Dugan	327-3121	John Roe	326-1034