Lorm 9-821 C (May 1963)

SUBMIT IN TRIPLICATE*

Form approved. Budget Bureau No. 42-R1425.

1 orm 9-821 C (May 1963)	*****	TED OTATEC	SUBMIT IN THE CONTROL OF CONTROL	ctions on	Form approved. Budget Bureau No. 42-R1425.
	UNII DEPARTMENT	TED STATES TOF THE INTER	reverse s	ade)	5. LEASE DESIGNATION AND SERIAL NO.
		GICAL SURVEY			NM 23048
APPLICATION	FOR PERMIT	TO DRILL, DEEPE	N, OR PLUG	BACK	6. IF INDIAN, ALLOTTER OR TRIBE NAME
1a. TYPE OF WORK		DEEPEN [PLUG BA		7. UNIT AGREEMENT NAME
b. TYPE OF WELL	L X		NGLE MOLTI		
OIL GAS WELL WE 2. NAME OF OPERATOR	S X OTHER		NE ZONE		8. FABM OR LEASE NAME Sherman Edward
	Production Cor	p.		· · · · · · · · · · · · · · · · · · ·	9. WELL NO.
3. ADDRESS OF OPERATOR				\$ 2	2B -10. FIELD AND POOL, OR WILDCAT
BOX 23	4, Farmington, port location clearly and	NM 8740 1 in accordance with any 8	tate requirements.*)		Blanco Mesaverde
At surface	940' FSL - 2	070' FEL		as l	11. SEC., T., B., M., OR BLK. AND SURVEY OR AREA
At proposed prod. zone	•			; }	Sec 3, T29N, R5W
		REST TOWN OR POST OFFICE			Sec 3, T29N, R5W
15. DISTANCE FROM PROPOS	heast of North	west Pipeline G	obernador Camp	17. No.	Rio Arriba NM
LOCATION TO NEAREST PROPERTY OF LEASE LI (Also to Bearest drig:	NE, FT. unit line, if any)	940'	320		320 320
18. DISTANCE FROM PROPO TO NEAREST WELL, DR	SED LOCATION*	Approx	OPOSED DEPTH	20. кот/	RY OR CABLE TOOLS
OR APPLIED FOR, ON THIS		1/2 mile	5750 '	<u> </u>	ROTATY 22. APPROX. DATE WORK WILL START*
6401'					6-10-77
23.	1	PROPOSED CASING ANI	CEMENTING PROGR	AM	
gram ap MATM	DIEM UM VIGINU	THE PER POOT	SEPTING DEPTH	1	QUANTITI OF CENERT
SILE OF HOLE	BIZE OF CLEINO	WBIGITT TREE LOCA	fattig bat sm	" ,	· · · · · · · · · · · · · · · · · · ·
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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-102 Supersedes C-128

WELL LOCATION AND ACREAGE DEDICATION PLAT All distances must be from the outer boundaries of the Section Operator 2B Sherman Edward Unit Lette 29 North 0 <u>Rio Arriba</u> 2070 East 940 South feet from the line and Dedicated Acreage: Ground Level Elev. Blanco Mesaverde 320 Mesaverde 6401 1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below. 2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty). 3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling. etc? If answer is "yes," type of consolidation _ If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.). No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commis-CERTIFICATION I hamby certify that the information con-Willed hersin is true and complete to the best of my knowledge up gelief.

NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102 Supersedes C-128 Effective 1-1-65

All distances must be from the outer boundaries of the Section Well No. Sherman Edward 2в Dugan Production Corporation
Unit Letter Section Township Range 5 West n 3 29 North Rio Arriba Actual Footage Location of Well: 2070 South 940 feet from the East line and feet from the line Ground Level Elev. Producing Formation Dedicated Acreage: Blanco Mesaverde Mesaverde 6401 320 1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below. 2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty). 3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling. etc? If answer is "yes," type of consolidation. Yes ____ No If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.). No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission. CERTIFICATION I hereby certify that the information conE.V.Echohawk LS

Certificate No. 3602

WELL LOCATION AND ACREAGE DEDICATION PLAT

and/or Land Surveyor Registered Professional Engineer 1 December 11, 1976 Sylvested and belief bowled my supervision, and housing same Toppow salahe Forth 10 salah blait man bayoth sow told sink hounged Language Control LAND Willing location LL-9T-9 Dugan Production Corp. Petroleum Engineer Dugan .A ssmodT sons of etelomos pro entre in iere to the I hereby certify that the information con-CERTIFICATION forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commis-No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, this form if necessary.)_ If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of If answer is "yes," type of consolidation dated by communitization, unitization, force-pooling etc? 3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consoliinterest and royalty). 2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working 1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below. 1079 Acres Blanco Mesaverde Mesaverde 350 Ground Level Elev. Dedicated Acreage: Producing Formation edt from the bno sail edt mont teet 076 gonfh East 2070 Actual Footage Location of Well: Rio Arriba 29 North ٤ 0 5 West Lownship Section Unit Letter Dugan Production Corporation Sherman Edward well No. All distances must be from the outer boundaries of the Section.

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092 0165 0861 0891 0261

SUBMIT IN TRIPLICATE* (Other instructions on reverse side)

Form approved.

1 orm 9-821 C (May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR

		Budge	t Burea	u No.	42-R1425
					1411
5.	LEAS	E DES	IGNATION	AND 8	ERIAL NO.
	BTR#	220	140		

A PPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK A. TITEO WORL DRILL DEEPEN PLUG BACK TO THE STATE OF		GEOLO	OGICAL SURV	EY			NM 23048		
DEPEN PLUG BACK SPAN MARKET TOWN OF THE PROPERTY SPAN MARKET TOWN OF THE PROPERT	APPLICATIO	N FOR PERMIT	TO DRILL, I	DEEPE	N, OR PLUG B	ACK	6. IF INDIAN, ALLOTTED	OR T RIBE NAME	
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At proposed prod. sone At proposed prod. sone At proposed prod. sone Sec 3, T29N, R5W Sec 3, T29N, R5W 12. COUNT OR FABRET 10. STATE Smiles northeast of Northwest Pipeline Gobernador Camp Roberton of Parkers French	BOX 2	234, Farmington	NM 8/40 L	th any S	tate requirements.*)				
At proposed prod. zone Sec 3, T29N, R5W	At surface				•	.	11. SEC., T., B., M., OR B	LK.	
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S miles northeast of Northwest Pipeline Gobernador Camp Rio Arriba NM 6. DIRLAGE FROM PROFESSION 7. DATE AND PROFESSION 8. DIRLAGE FROM PROFESSION (Also to searced Grig, until line, 1/ any) 940' 320 8. DIRLAGE FROM PROFESSION 8. DIRLAGE FROM PROFESSION PROFESS	A DISTANCE IN MILES	AND DIRECTION FROM NE.	AREST TOWN OR POS	T OFFICE	I.	<u>-</u> -			
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DOLLARY ON MARKET PROPERTY OF LEASE LAW. 100.0 (197) 940' 320 320 320 8. DEVIANCE FROM FORD LOCATION' TO MARKET PROPERTY DATA WILL, DELLING, COMPLETED, APPROX OF APPLIED FOR, ON THIS LEASE, FT. D. T. DEPOY. 1/2 mile 5750' RCCTATY OF CAMENT TO MARKET WILL, DELLING, COMPLETED, APPROX OF APPLIED FOR, ON THIS LEASE, FT. D. T. DEPOY. 1/2 mile 5750' RCCTATY OF CAMENT GROUP OF THE MARKET PROPOSED CASING AND CEMENTING PROGRAM 8. DEVIANCE FROM WHOLES DR. E. G. C. DEPOY. 1/2 mile 5750' RCCTATY OF CAMENT GROUP OF THE MARKET PROPOSED CASING AND CEMENTING PROGRAM 8. DEVIANCE FROM WHOLE DR. E. G. C. DEPOY. 1500' RCCTATY OF CAMENT GROUP OF THE MARKET PROPOSED CASING AND CEMENTING PROGRAM 8. DEVIANCE FROM WHOLE DR. E. G. C. DEPOY. 1500' RCCTATY OF CAMENT GROUP OF THE MARKET PROPOSED CASING AND CEMENTING PROGRAM 8. DEVIANCE FROM WHOLE DR. E. G. C. DEPOY. 1500' RCCTATY OF CAMENT GROUP OF THE MARKET PROPOSED PROPOSED CASING AND CEMENTING PROGRAM 8. DEVIANCE FROM WHOLE DR. E. G. C. DEPOY. 1500' RCCTATY OF CAMENT GROUP OF THE MARKET PROPOSED PROPOSED PROPOSED FROM THE MARKET PROPOSED PROPOS	5 miles nor	theast of North	west Pipeli	ine G	opernador Camp	1 17 NO	·	MM	
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M. HENYATONS (Show whether DF, RT, GR, etc.) 6401' GR PROPOSED CASING AND CEMENTING PROGRAM 6-10-77 8ELE OF HOLE SHIE OF CASING WEIGHT PER FOOT SETTING DEFTER QUANTIFIT OF CEMENT 12-1/2" 8-5/8" 24# 180' 1.50 cu ft 7-7/8" 5-1/2" 15.5# 5750' 800 cu ft (2 stages) Drill well to test Mesaverde formation using mud as circulating medium. Set 5-1/2" casing thru Mesaverde formation, selectively perforate, sand-water frac, and clean out after frac. If Pictured Cliffs formation is productive, selectively perforate, frac, clean out after frac, and dually complete well in Mesaverde and Pictured Cliffs formations. While drilling will use BOP furnished by drilling rig (10" 3000 psi hydraulic). While completing will use rental BOP (6" 3000 psi manual). NAMOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive save and proposed we productive program. If MOY. NAMOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive save and proposed we product we product to the proposal is to drill or deepen givectionally, give pertinent data on subsurface locations and measured and true mind depth. Graphow Corrections and Title Petroleum Engineer TITLE Petroleum Engineer APPROVALDATE APPROVALDATE APPROVALDATE	8. DISTANCE FROM PRO TO NEAREST WELL.	POSED LOCATION* DRILLING, COMPLETED.	Approx	19. PR	OPOSED DEPTH	20. BOTA	MEY OR CABLE TOOLS		
6-10-77 3. PROPOSED CASING AND CEMENTING PROGRAM SIZE OF HOLE SIZE OF CASING WEIGHT FER FOOT SETTING DEPTH QUANTITY OF CEMENT 12-1/2" 8-5/8" 24# 180' 150 cu ft 7-7/8" 5-1/2" 15.5# 5750' 800 cu ft (2 stages) Drill well to test Mesaverde formation using mud as circulating medium. Set 5-1/2" casing thru Mesaverde formation, selectively perforate, sand-water frac, and clean out after frac. If Pictured Cliffs formation is productive, selectively perforate, frac, clean out after frac, and dually complete well in Mesaverde and Pictured Cliffs formations. While drilling will use BOP furnished by drilling rig (10" 3000 psi hydraulic) While completing will use rental BOP (6" 3000 psi manual). NMERE Requirement: Gas dedicated to Northwest Pipeline Corporation NABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive and proposed the proposed of the proposed is to drill or deepen sleetionally, give pertinent data on subsurface locations and measured and true critical depth. City blows revenier program. If any. APPROVED BY TITLE Petroleum Engineer DATE 5-16-77 APPROVED BY TITLE PERMIT NO. APPROVED BY	OR APPLIED FOR, ON T	HIS LEASE, FT.	1/2 mile	1	5750'				
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5-1/2" casing thru Mesaverde formation, selectively perforate, sand-water frac, and clean out after frac. If Pictured Cliffs formation is productive, selectively perforate, frac, clean out after frac, and dually complete well in Mesaverde and Pictured Cliffs formations. While drilling will use BOP furnished by drilling rig (10" 3000 psi hydraulic). While completing will use rental BOP (6" 3000 psi manual). NAMERB Requirement: Gas dedicated to Northwest Pipeline Corporation. NABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive sole and proposed law productive reventer program, if any. TITLE Petroleum Engineer Thomas A. Dugan (This space for Federal or State office use) PERMIT NO. APPROVAL DATE DATE DATE DATE DATE PATE PAT	7-7/8"	5-1/2"	15.5	#	5750 '		800 cu ft (2 s	tages)	
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*See Instructions On Reverse Side

DEVELOPMENT PLAN

	Dugan Production Corp.
	Sherman Edward #2B
1.	Existing roads are shown on attached plat.
2.	Planned access from existing road approximately 1000 to new location. Will leave natural grass and small vegetation on roadway. Will remove large brush or trees from road. Do not plan to make road grade or bar ditches. Will bottom-out any arroyo we cross and not install culverts.
3.	Location of well: 940' FSL - 2070' FEL
	Section 3, T29N, R5W
	Rio Arriba County, New Mexico
4.	No additional well(s) planned on this lease at this time.
5.	Separator and flow line will be located within 50' of wellhead.
6.	Water will be secured from La Jara Wash
7.	Waste materials will be buried on location or in reserve pit.
8.	No permanent camp is planned; trailer house will be used on location while drilling.
9.	Do not plan to build airstrip.
10.	See attached plat for proposed location layout.
11.	Will clean up location, fill and level pits, level ruts in road, reseed location and road with Seed Mixture #2 and paint equipment with #34127 .
12.	Operator's Representative: Thomas A. Dugan Box 234 Farmington, New Mexico 87401
13.	Certification: The following statement must be signed by the lessee's or operator's field representative who is identified in Item #12 of the Plan:
	I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this Plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by
	and its contractors and subcontractors in conformity with this Plan and the terms and conditions under which it is approved.
	Date: 5-16-77 Thomas A. Dugan

Dugan Production Corp.

Sherman Edward #2B

Proposed Location Layout



