SUBMIT IN TRIPLICATE*

(Other instructions on reverse side)

Form approved. Budget Bureau No. 42-R1425.

UNITED STATES DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

	9202	SGICAL SURVEY			NM 03733			
APPLICATION	Y FOR PERMIT	TO DRILL, DE	EPEN, OR PLUG	BACK	6. IF INDIAN, ALLOTTER OR TRIBE NAME			
. TTPS OF WORK	u . 67	DEEDEN!	21.110.24		7. UNIT AGREEMENT NAME			
UK. TYPE OF WELL	ILL 🖾	DEEPEN	PLUG BA	CK 📋	. Out administra trans			
OIL C	AS OTHER	••	SINGLE MULTIN	LE X	S. FARM OR LEASE NAME			
WELL W	ELL OTHER		ZONE ZONE		Breech			
Caul	cins Oil Compan	ıy			9. WELL NO.			
ADDRESS OF OPERATOR		<u>-</u>			224 – A			
Post	Office Box 780). Farmington.	New Mexico 8740	1	10. FIELD AND POOL, OR WILDCAT			
			ny State requirements.*)		Basin Dakota Chero Cum			
12 790V	from the West	and 9/8' from	the North		11. SBC., T., R., M., OE BLE. AND SURVEY OR AREA			
At proposed prod. zone				4				
	Same			<u> </u>				
	AND DIRECTION FROM NE.			.51	12. COUNTY OR PARISH 13. STATE			
35 miles Sou	theast of Blar				Rio Arriba New Mexic			
LOCATION TO NEARES?	•	10	B. NO. OF ACRES IN LEASE		O. OF ACRES ASSIGNED THIS WELL 320 160			
(Also to nearest drig	g. unit line, if any)		2400					
DISTANCE FROM PROP TO NEAREST WELL, D	RILLING, COMPLETED,	19	PROPOSED DEPTH	20. ROTA	20. ROTARY OR CABLE TOOLS			
GR APPLIED FOR, ON TH			7300'	<u> </u>	Rotary			
MEVATIONS (Show who	ether DF, RT, GR, etc.) 6499 GR.			<i>‡</i>	22. APPROX. DATE WORK WILL START*			
		PROPOSED CASING	AND CEMENTING PROGRA	A.W	1			
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT		1	QUANTITY OF CEMENT			
13 3/4"	9 5/8"	36#	300	Suffi	cient to circulate			
8 3/4	7!!	23 and 26#	7300	1 54111	1250 Sacks			
New 7" 23# 8 to circulate rotating scr Stage tools	& 26# J-55 Smls to surface. ratchers over I will be run be	s Casing will Pipe will be Pictured Cliff elow base of F	be cemented at TI cemented in 3 sta 's, Chacra, Mesa V) with ages. Verde a below	nd Dakota Zones. base of Pictured			
	s. Centralizer	rs and cement	baskets will also	be ru	n on casing thru			
pay zones.		•		:				
while drill: (over) ABOVE SPACE DESCRIBE E. If proposal is to	ing and cements your is proposed Program: If drill or deepen direction	proposal is to deepen	prevntor will be or plug back, give data on p	tested	in use at all times leach day. ductive some and proposed new productive and true vertical depths. Give blowout			
venter program, if an	y							
SIGNED LA	les E De	eque TITLE	Superintendent	The state of the s	DATE 1-10-79			
(This space for Fede	ral or State office use)	7	1400					
PERMIT NO			_ APPROVAL DATE	<u>``</u> '&	SO VEIVED			
					U U			
CONDITIONS OF APPROV	AL, IP ANY :	TITLE		8 3°	3AN 11 1979			
151				W 6				
- 40 - A-			_	_	and the second of the second o			

*See Instructions On Reverse Side

General: This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may and the number of copies to be submitted, particularly be obtained from, the local Federal and/or State office. General: This form is designed for submitting

Item 1: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local Item 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, show-the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices. State or Federal office for specific instructions. lng

Items 15 and 18: If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone. Item 22: Consult applicatie Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started. N

U.S. GOVERNMENT PRINTING OFFICE: 1963--O-711-396

proposed to run New 2 3/8" tubing to Dakota zone with packer set between Mesa Verde zone and Dakota zone.

3/8" EUE tubing will be run to Mesa Verde for Mesa Verde, Chacra and Pictured Cliffs Production.

Completion of this well as shown above subject to approval by New Mexico Oil Conservation Commission for commingling of Mesa Verde, Chacra and Pictured Cliffs in wellbore. If commingling denied well will be completed as Mesa Verde - Dakota Dual.

All zones to be completed will be fractured to stimulate production.

NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

	All dist	ances must be fro	on the outer	boundaries of	the Section.			
Operator			Lease				Well No.	
Caulk	ins Oil Company			NM 0373	3		224 A	
Unit Letter Section D		46 North	Ronge	7West	County	Arriba		·
Actual Footage Location of					<u> </u>			
070	from the North	line and	790	fee	t from the	West	line	
Ground Level Elev:	Producing Formation		Pool				Dedicated Acreage:	
6499	Dakota		Bas	in Dakota		المستعمد	320	Acres
	eage dedicated to the ne lease is dedicate alty).							rking
If answer is "ne this form if nece	o," list the owners a	yes," type of d tract descr	g. etc? consolid iptions w interests	ation hich have ac	tually bee	n consolida	ated. (Use reverse si munitization, unitiza	de of
sion.					T		CERTIFICATION	
790	; 		1 1 1			tained he	certify that the information rein is true and complete to y knowledge and belief.	
	 		 			Compony	rintendent rins Oil Company	, -
	Sec.	13	1					
	 		TEN U	79_}		mater and under my is the c known by	this plat was plotted from actual surveys made by supervision, and that was a correct to the best and belief. OF NEW ME	field be or same
		OIL	CIST.				er 29, 1978 Professional Engineer	
0 230 640 190 1	320 1650 1980 2310 2	640 2000	1500	1000	00 0	Certificate Clifton	No. 4624 n S. Sivil IS	

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

NEW MEXICO OIL CONSERVATION COMMISSING WELL LOCATION AND ACREAGE DEDICATION PLAT

All distances must be from the outer boundaries of the Section. Well No. 224 A Operator Legac Caulkins Oil Company Nm 03733 Unit Letter Section County Rio Arriba 46 North 7West 13 Actual Footage Location of Well: 978 North feet from the West line and feet from the line Ground Level Elev: Producing Formation Dedicated Acreage: 6499 320 Mesa Verde Blanco Mesa Verde Infil Acres 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 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 hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. 790 Superintendent Company Caulkins Oil Company Date 1-10-79 Sec. 13 UNIVAR 1919 OF NEW W OIL COM. COM Date Surveyed December 29, 1978 Registered Professional Engineer and/or Land Surveyor Certificate No. 1624 1320 1660 Clifton S. Sivil 1980, 2310 2000

NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

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

Clifton S. Sivil

All distances must be from the outer boundaries of the Section. Operator Well No. Caulkins Oil Company 224 A Unit Letter Section County Rio Arriba Range 46 North 7West **Actual Footage Location of Well:** 978 North feet from the line and feet from the Ground Level Elev: Producing Formation Dedicated Acreage: 6499 160 Otero Chacra Chacra Acres 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 hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. 790 Superintendent Caulkins Oil Company Date 1-1079 Sec. 13 Date Surveyed December 29, 1978 Registered Professional Engineer and/or Land Surveyor Certificate No. 4624

1500

CAULKINS OIL CO.

Post Office Box 780
Farmington, New Mexico 87401

Date <u>January 10, 1979</u>

United States Dept. of the Interior Geological Survey Post Office Box 1809 Durango, Colorado 81301

Gentlemen:

Following is our multi-point development plan for surface use and restoration for our well No. 224 Å, located in $NM_{\frac{1}{4}}$ of Section 13, North, 7 West, Rio Arriba County, New Mexico.

- (1) (3) Existing roads and wells in area shown on Topo Map.
- (2) No new road required for this location.
- (4) A 210 bbl. stock tank and water, oil and gas separator will be set on location approx. 100' from well. Oil produced will be hauled as needed to pipeline delivery tank located in NW_{4}^{1} of Section 9, 26 North 6West, Rio Arriba County, New Mexico. Gas Company of New Mexico will purchase gas and furnish all facilities downstream of oil, water and gas separator. A pit 12' X 12° X 4' will be built next to sparator and tank, then firewall will be built around tank, pit and separator. Fence will be built outside of firewall. Note: Permission for unlined pit will be requested after well completed and daily water production determined.
- (5) Water will be hauled from Caulkins Oil Company water well No. 130, located in NW_{4}^{1} of Section 9 26N 6W, Rio Arriba County, New Mexico. Water well identified on topo map with red circle. Roads used to transport water also marked in red.
- (6)(8) No camp or construction materials needed for roads or location.
- (9) Layout plat for location and reserve pit attached. Location lays on 5% slope. A 5* cut on Bast side of location will be required to build location. Reserve pit will be built from earth materials, banks will be packed by tractor. Reserve pit will not be lined.
- (10) All disturbed area will be cleaned up then reseeded with 2 1/2# Crested Wheatgrass, 2 1/2# Smooth Brome, 1/2# Fourwing Saltbrush (dewinged) and 1# Nomad Alfalfa per acre. Reseeded area will include all location and reserve pit area to within 5° of all facilities. Seeding shall be done between July 15 and October 15. All facilities maintained by Caulkins Oil Company shall be painted ______, number___36357_____.

(11) New location will beon	from Kexisting	road. Vegetation	•
on area to be disturbed for roads and	location is _	Sage Brush, Blue	Gama
Juniper and Cedar.			_•

(12) Operator's representative:

Charles E. Verquer, Supt. Post Office Box 780 Farmington, New Mexico 87401

Phone: 325 0481

(13) Certification:

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 will be performed by CAULKINS OIL COMPANY and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

January 10, 1979

Charles E. Verquer, Supt. Caulkins Oil Company