Form 9-331 C (May 1963)		GICAL SURVE	TERIOR	(Other instru- reverse sid	ie) C	Budget Bureau 30 - 0/5 - 2. 5. LEASE DESIGNATION / NM #15867	No. 42-B1425. 30-53 IND BEBIAL NO.
APPLICATION	FOR PERMIN	OCDENLL ND	EEPEN, C	R PLUG B	ACK	6. IF INDIAN, ALLOTTER	OR TRIBE NAME
18. TYPE OF WORK		DEEPEN NOV 5 197]	PLUG BAC		7. UNIT AGREEMENT NA	MB
				MULTIPI ZONE		S. FARM OR LEASE NAM	8
2. NAME OF OPERATOR	/	O. C. C.				Hagen Federa	1
Collier	& Collier 🔺	RTESIA, OFFIC	۲ ۲			9. WELL NO. #1	
3. ADDRESS OF OPERATOR	700 Artopia	Now Movico		FINED		10. FIELD AND POOL, OI	B WILDCAT
4. LOCATION OF WELL (R At surface	x 798, Artesia, eport location clearly and FNL & 660' FEL	in accordance with	any state req	uirements.*) 2 6 1379	un	Logan Draw - 11. SEC., T., B., M., OR B AND SURVEY OR AR	LK.
At proposed prod. 202	e					UL-H	C D_27_F
Slaught 14. DISTANCE IN MILES	er and direction from NEAD 1 1/2 miles so	REST TOWN OR POST	U.S. GEOLO	<u>)GICAL SURVE</u> New Mexico	¥	Sec. 19, T-17 12. COUNTY OR PARISH Eddy	
APPIOX. 10. DISTANCE FROM PROP LOCATION TO NEARES PROPERTY OR LEASE I (Also to nearest dr)	I I/Z MIIES 30 08ED* T LINE, FT.	·	16. NO. OF AC		17. NO.	DF ACRES ASSIGNED HIS WELL 40	I
18. DISTANCE FROM PROL	POSED LOCATION [*] DRILLING, COMPLETED,		19. proposed 1800			RY OR CABLE TOOLS Cable Tool.	
21. ELEVATIONS (Show wh	ether DF, RT, GR, etc.)					22. APPROX. DATE WO	1
3359.2						October 28,	1979
23.	I	PROPOSED CASIN	G AND CEME	INTING PROGR.	AM		
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FO	OT SE	TTING DEPTH		QUANTITY OF CEMEN	
** 12 1/2"	10 3/4"	40#		150'	Pipe	will be pulled	27 CaCl
10"	7" API	20#	And a state of the second	400'	860	Sxs. Class C -	2% CaC1
6 3/4"	4 1/2"	11#		800'	100	Sxs. Class C -	Zh Udul

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6 3/4"

Plan to test the San Andres formation. 7" casing will be set through the Artesian Zone. Cement will be circulated to surface. Will drill out of the 7" with 6 3/4" bit and test the Slaughter Zone at approximately 1735'. If sufficient shows are encountered will run 4 1/2" casing and set with 100 Sxs. of Class C cement, log, perforate and complete.

No known usable surface water in three (3) mile radius. 10 3/4" will ** be run only if required for drilling operations' expediency.

4 1/2"

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM : If proposal is to deepen or plug back, give data on present productive sone 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.

24. BIGNE TIMOTHAY D. Coller	TITLE	Partner	DATE October 25, 1979
(This space for Federar or State office use)		APPROVAL DATE 10-31-79	>
APPROVED BY CONDITIONS OF APPROVAL, IF ANY :	тіті <i>і</i> е		DATE

*See Instructions On Reverse Side

N. MEXICO OIL CONSERVATION COMMISS, WELL LOCATION AND ACREAGE DEDICATION PLAT

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

		All distances must be f	om the outer b	oundaries of th	he Section.		
Operator			Lease				Well No.
COLLIE	R & COLLIEF	₹		Hagen Fe	ederal		#1
Unit Letter	Section	Township	Range		County		
А	19	17 Sout	h 21	7 East	Ι	Eddy	
Actual Footage Loc	the second	** **********************************					
660	feet from the NC	orth line and	660	feet	from the	East	line
Ground Level Elev.	Producing For	mation San Andres-	Pool				dicated Acreage;
3359.2	Slaugh	nter	Loga	an Draw			40 Acres
	l				D .1		
1. Uutline th	e acreage dedica	ted to the subject we	. Koke of the	E bleuder Et	achure n	narks on the p	lat below.
		.					
2. If more th	ian one lease is	dedicated to the well	, outline ea	^{ch} and iden	tily the ov	wnership there	eof (both as to working
interest ar	nd royalty).		NUV	9 1919			
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					ave the in	terests of all	l owners been consoli-
dated by c	ommunitization, u	nitization, force-pooli	ng. etaares	A. OFFICE			
							
Yes Yes	No If an	nswer is "yes," type o	t consolidat	ion			
		, ,					· /*/
		owners and tract desc	riptions whi	ch have act	ually been	n consolidated	l. (Use reverse side of
	f necessary.)		<u></u>				
No allowat	ole will be assigne	ed to the well until all	interests ha	ive been co	onsolidate	d (by commun	nitization, unitization,
forced-pool	ling, or otherwise)	or until a non-standar	l unit, elimi	nating such	interests	, has been ap	proved by the Commis-
sion.							
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N.M.O.C.D. COPY United States Department of the Interior

RECEIVED

NOV 5 1979

GEOLOGICAL SURVEY P. O. Drawer U Artesia, New Mexico 88210

O. C. C. ARTESIA, OFFICE

OCT 31 1979

Collier & Collier P. O. Box 798 Artesia, New Mexico 88210

and the following conditions:

COLLIER & COLLIER Hagen Federal No. 1 660 FNL 660 FEL Sec. 19 T.17S R.27E Eddy County Lease No. NM 15867

Above Data Required on Well Sign

Gentlemen:

Your APPLICATION FOR PERMIT TO DRILL the above-described well to a depth of 1,800 feet to test the San Andres formation is hereby approved subject to compliance with the OIL AND GAS OPERATING REGULATIONS (30 CFR 221)

- 1. Drilling operations authorized are subject to compliance with the GENERAL REQUIREMENTS FOR OIL AND GAS OPERATIONS ON FEDERAL LEASES, dated July 1, 1978.
- 2. Prior to commencing construction of road, pad, or other associated developments, operator will provide the dirt contractor with a copy of the SURFACE USE PLAN and this approval including the GENERAL REQUIREMENTS.
- 3. Submit a Daily Report of Operations from spud date until the Well Completion Report (form 9-330) is filed. The progress report should be not less than 8" x 5" in size and each page should identify the well.
- 4. All permanent above-ground structures and equipment shall be painted in accordance with the attached Painting Requirements. The color used should simulate Sandstone Brown (Federal Standard No. 595A, color 20318 or 30318).
- 5. Cement behind the 10-3/4" and 7" casing must be circulated.
- Notify Survey in sufficient time to witness the cementing of 7" casing.
- 7. Please have anyone contacting the Survey in regard to this well to identify the well with all of the information required above for the well sign.

Sincerely yours,

JULGE H. STRVART

George H. Stewart Acting District Engineer



Collier & Collier $\Leftrightarrow_{\diamondsuit}$

PHONE 505-746-6520 BOX 798 ARTESIA, NEW MEXICO 88210

Independent Oil Producers

TIMOTHY D.

SUPPLEMENT

Hagen Fed. #1 Lease No. NM#15867 660' FNL & 660' FEL N.M.P.M. Eddy County, New Mexico

This form is provided as a supplement to U.S.G.S. Form 9-331C, "Application to Drill". The following additional information is submitted:

- 1. See Form 9-331C.
- 2. See Form 9-331C.
- 3. The geologic name of surface formation: Permian Yates.
- 4. Cable Tool.

DAVID C.

- 5. See Form 9-331C.
- 6. The estimated tops of important geologic markers are: Seven Rivers 200', Queen 535', San Andres 1228'
- 7. Estimated depths at which water, oil, gas and other miners bearing formations are expected to be encountered are:

Seven Rivers	-	+	200'	Water
Queen		+	535 '	Water
San Andres	_	+	1228'	Oil & Gas
Slaughter	-	<u>+</u>	1726'	Oil (Objective)

- 8. The proposed casing program including size, grade and weight per foot at each string has been indicated on form 9-331C. All strings will be J-55 new or grade #1 used.
- 9. See Form 9-331C for cement. 10 3/4" surface pipe will not be cemented nor do we anticipate running same unless casing problems exist during drilling operations. 7" casing will be set through the Artesian Zone and circulated back to the surface.
- Pressure control head for cable tool drilling operation attached to Form 9-331C. Type DV pressure operated control.
- 11. Not applicable Cable tool.
- 12. Testing will be bail test on all formations.

TYPE DV PRESSURE OPERATED GATE VALVES

3000-4000-6000 and 10,000 Lbs, Test



This fait, pusitis e-scaling Cameron Pressure Operated Gate the taux positive-seating cameron Pressure Operated Gate before a bindler of features of design and construction which be it to provide the highest degree of safe, dependable con-near designetive well pressures. Used either as a drilling meth talse, as a flow-line valve, or at any vital point in a find or completion control book-up, it affords maximum se-ty against loss of control.

Remains control and pressure operation, eliminating virtually remains hazard to sheethers of a drilling crew, inspire com-constitution in handling high pressures. The Construct Plasare Operated Gate Valve can be depended

CAMERON IRON WORKS, INC.

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See pages 552-551 of the 1911 Composite Califar for construction and the construction of full details will shadly for previous request.

ORIGHCIMR BE

HOUSTON, TEXAS

TIMOTHY D.

PHONE 505-746-6520 BOX 798 ARTESIA, NEW MEXICO 88210

Independent Oil Producers

SURFACE USE PLAN



Hagen Fed. #1 Lease No. NM#15867 OCT 2 6 1979 660' FNL & 660' FEL N.M.P.M. Eddy County, New Mexico Cable Tool Hole U.S. GEOLOGICAL SURVEY ARTESIA, NEW NEXCO

This plan is submitted with the application for permit to drill the above described well. Purpose is to describe the location of proposed well, construction activities, operations and magnitude of surface disturbance along with rehabilitation plan of impacted surface upon completion of operations. Trust complete appraisal of effects associated with operation can be made with information contained herein:

- 1. Existing Roads:
 - A. Exhibit "A" is a portion of map showing the location of proposed well as staked, outlining existing roads in a one (1) mile radius.
- 2. Planned Access Roads:
 - A. Access will be made to well site area on existing county roads all of which are in proper condition to accomodate movement of equipment and personnel.
 - B. No culverts, cattleguards, gates will be installed.
 - C. No cuts or fill or dirt work of any kind on existing roads will be needed. Well site is located approximately 210 feet off existing road. No construction is necessary on location or road work required with the exception of digging the pit necessary for drilling operations.
- 3. Location of Existing Wells:
 - A. Existing well within a two (2) mile radius is shown on Exhibit "B".
- 4. Location of Existing and/or Proposed Facilities:
 - A. Exhibit "C" outlines location of production equipment if well is commercial. Flowline and tank battery will be located on well site and no new surface disturbance will be involved.

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5. Location and Type of Water Supply.

-2-

- A. Water for drilling will be purchased from local water transportation company and/or hauled by company trucks transported to well site. Cable tool operations do not require large amounts of water.
- 6. Source of Construction Materials:
 - A. If caliche is encountered when **digging** cuttings pit as outlined in paragraph #7, it will be used in the immediate area of rig. No additional construction materials required.
- 7. Methods of Handling Waste Disposal:
 - A. Drill cuttings will be disposed of in drilling pit. See Exhibit "C".
 - B. Drilling fluids will be allowed to evaporate in drilling pit until dry. Pit will be closed upon drying.
 - C. Produced water druing any test will be placed in drilling pit. Oil produced during testing will be stored in test tanks until sold.
 - D. Current laws and regulations pertaining to human waste will be complied with.
 - E. Trash, garbage, junk and any debris buried in a separate pit covered with a minimum of 24" of dirt. All trash will be contained to prevent scattering. Location of trash pit is in Exhibit "C". All trash will be buried or removed within 30 days.
- 8. Auxillary Facilities:

A. None required.

- 9. Well Site Layout:
 - A. Exhibit "C" shows the relative locations and dimensions of the well site, cuttings, pit, trash pit, and major components of drilling equipment.
 - B. Leveling off well site can be done by shovel if any needed. No cuts and fills are required. 210' road and pad will be scraped if so required but not needed for operations.

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PHONE 505-746-6520 BOX 798 ARTESIA, NEW MEXICO 88210

-3-

- C. "Pad" and pit area stated and flagged as outlined in Exhibit "C".
- 10. Plans for Restoration of Surface:
 - A. After completion of drilling and/or completion of operations all equipment and other material not needed for operations will be removed. Pits will be filled and location cleaned to leave well site aesthetically pleasing as possible.
 - B. Any pits containing fluids will be fenced until they are filled.
 - C. Any special revegetation requirement of Surface Management Agency will be complied with and accomplished as expecitiously as feasible.
- 11. Other Information:
 - A. Land surface is relatively flat and smooth. Elevation is 3359' GL at well site. No gullies, washes or depressions are in immediate area.
 - B. Soil: Sand red clay underlain by caliche.

Flora and Fauna:

A. Vegetative cover is relatively spare consisting mainly of broom weed and perenial native range grassed dotted with mesquite and greasewood. Wildlife is typical of our semiarid desert in New Mexico; rabbits, rodents, reptiles, dove, quail, and an occasional coyote.

Ponds and Streams:

A. None in area.

Residence and Other Structures:

A. Mo occupied structures in three (3) mile radius. This area consists primarily of oil field supply and salvage yards. Drilling of well will pose no threat to inhabitants or passersby in this area.

. . . .



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PHONE 505-746-6520 BOX 798 ARTESIA, NEW MEXICO 88210

-4-

Land Use:

A. Grazing and seasonal hunting.

Surface Ownership:

- A. Well site is on Bureau of Land Management surface. Existing roads are on state and federal lands. The 210' of additional road way will be on Bureau of Land Management surface.
- 12. Operator's Representatives:

The field representatives responsible for assuring compliance with approved surface use and operations plan are as follows:

Tim Collier	James W. (Pete) McGuire
P.O. Box 798	P.O. Box 798
Artesia, New Mexico 88210	Artesia, New Mexico 88210
Office Phone: 505-746-6520	Office Phone: 505-746-6520
746-4531	746-4531
Home Phone 505-748-1052	Home Phone: 505-746-4874

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 herein will be performed by Collier & Collier and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

Date: October 25, 1979

Collier Collier

Partner



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