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OPERATOR	

5A. Indicate Type of Lease  
STATE  FEE

5. State Oil & Gas Lease No.

Fee

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		7. Unit Agreement Name	
b. Type of Well OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		8. Firm or Lease Name Fee	
2. Name of Operator C & E Operators		9. Well No. 8-A	
3. Address of Operator One Energy Square, Suite 170, Dallas, Texas 75206		10. Field and Pool, or Willcat <i>Aztec PC + Mancos MV</i>	
4. Location of Well UNIT LETTER <u>C</u> LOCATED <u>950</u> FEET FROM THE <u>North</u> LINE AND <u>1450</u> FEET FROM THE <u>West</u> LINE OF SEC. <u>8</u> TWP. <u>30N</u> RGE. <u>11W</u> NMPM		11. County San Juan	
19. Proposed Depth 4800		19A. Formation Mancos	20. Rotary or C.T. Rotary
21. Elevations (Show whether DF, RI, etc.) 5700' Gr.	21A. Kind & Status Plug. Bond Blanket	21B. Drilling Contractor Y-W Drilling Co.	22. Approx. Date Work will start On Approval

23.

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12-1/4"	9-5/8"	36	250+	130 3% CaCl	Surface
8-3/4"	7"	23	4800	280	3100' 1st st.
		stage collar @	approx. 2200'	& cement w/350s	Surface

Propose to set 9-5/8" casing with spud mud. Cement back to surface. WOC - 8 hrs. Install BOP's and bleed off lines. Press. test to 600 psi - 30 min. Drill 8-3/4" hole with light gel-chemical mud to TD. Run IES & GR D/N Logs. Run 7" casing and stage cement. Perf. & stimulate Mesaverde zone; set BP; Perf. & stimulate Pictured Cliffs zone. Clean up PC; mill out plug; clean up Mesaverde. Set Baker Mod. "D" packer. Ran 2-3/8" tubing with seals on Mesaverde. Run 1-1/4" IJ tubing on Pictured Cliffs. Install dual well head; clean up and test.

(Location inside City limits of Aztec).

APPROVAL VALID  
FOR 90 DAYS UNLESS  
DRILLING COMMENCES

EXPIRES 2-23-81



IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM; IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

Signed John M. Heller Title Consultant Date 11-24-80  
NM Reg. Eng. No. 4361, P.O. Box 1507, Durango, CO

(This space for State Use)

Original Signed by CHARLES GHOLSON

APPROVED BY \_\_\_\_\_ TITLE DEPUTY OIL & GAS INSPECTOR, DIST. #3 DATE NOV 25 1980

CONDITIONS OF APPROVAL, IF ANY:

*[Handwritten signature]*

All distances must be from the outer boundaries of the Section

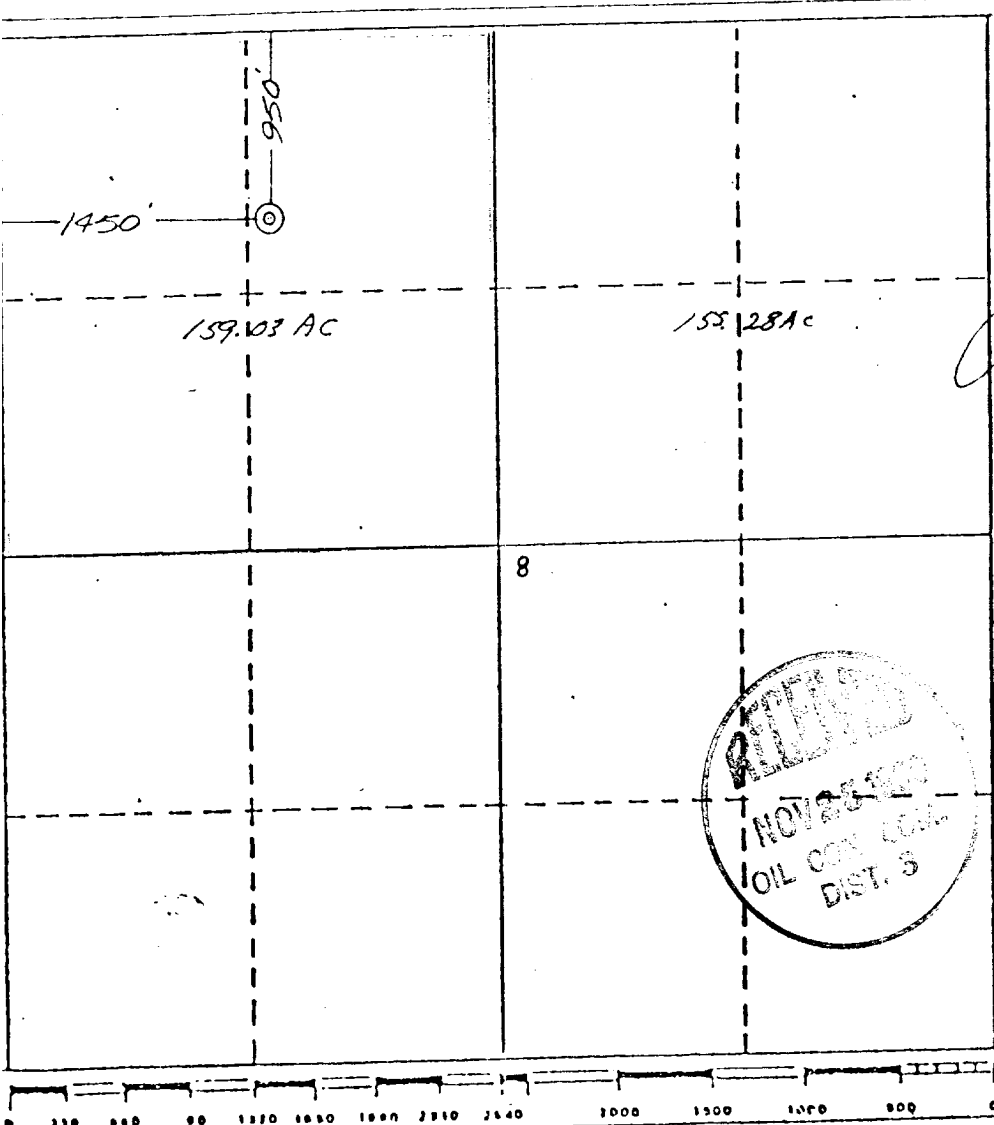
Operator <b>C &amp; E OPERATORS, INC.</b>		Lease <b>FEE</b>		Well No. <b>8-A</b>
Well Letter <b>C</b>	Section <b>8</b>	Township <b>30 NORTH</b>	Range <b>11 WEST</b>	County <b>SAN JUAN</b>
Ground Level Elev. <b>5700</b>		Producing Formation <b>Mesaverde Pictured Cliffs</b>	Pool <b>Blanco <sup>North</sup> Aztec FC</b>	Dedicated Acreage <b>159.03</b> Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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? N/A

Yes  No 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 Division.



**CERTIFICATION**

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Name John M. Keller  
 Position Consultant  
 Company C & E Operators  
 Date Nov. 24, 1980

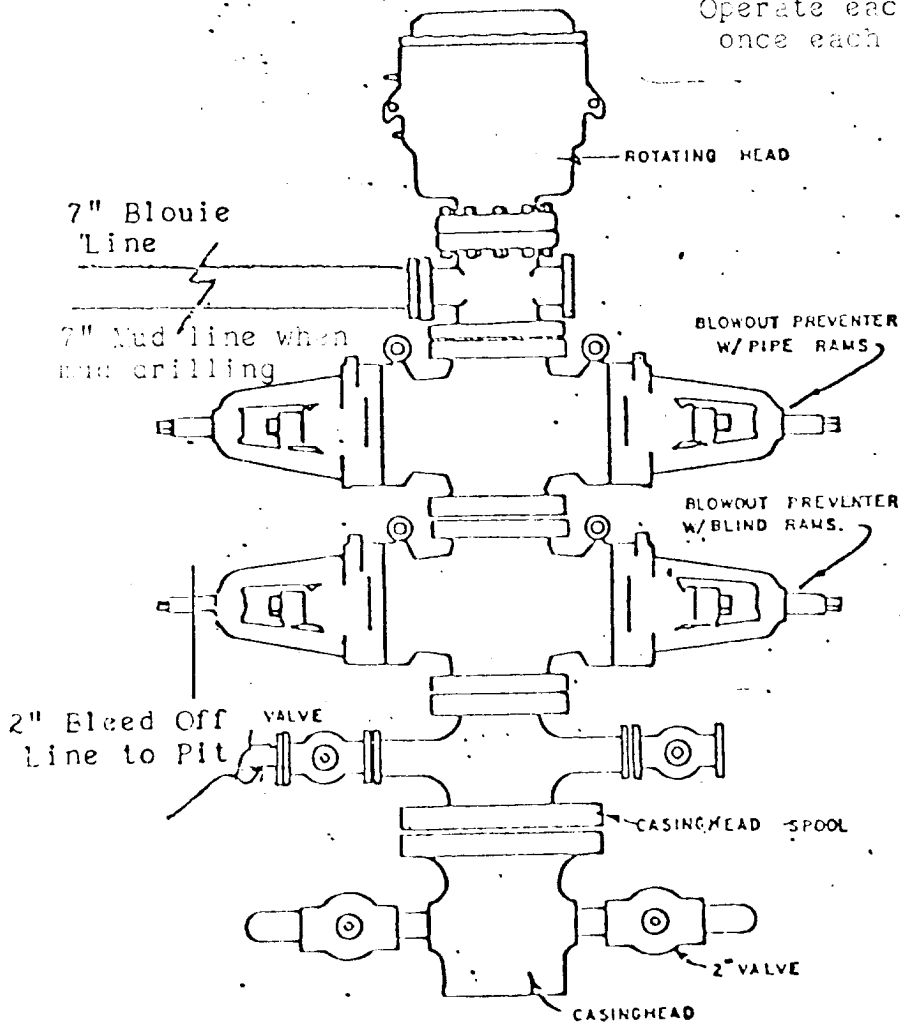
I hereby certify that the location shown on this plat was plotted from field notes and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed October 27, 1980  
 Registered Professional Engineer and/or Land Surveyor  
James P. Leese  
 Certificate No. James P. Leese 1463

C & E Operators

Typical Blowout Preventer  
Installation for Mesaverde and  
Pictured Cliffs Wells.  
10' Series 900 3000 psi. BP

Pressure test to 600 psi. on  
surface casing.  
Pressure test to 300 psi. on  
intermediate casing strings.  
Operate each trip and or at least  
once each 24 hour period.



BLOWOUT PREVENTER HOOKUP