

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

30-045-24695  
Form C-101  
Revised 10-1-78

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SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work b. Type of Well OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5a. Indicate Type of Lease STATE <input type="checkbox"/> FEDERAL <input checked="" type="checkbox"/>
2. Name of Operator C & E Operators		7. Unit Agreement Name
3. Address of Operator One Energy Square, Suite 170, Dallas, Texas 75206		8. Firm or Lease Name Aztec
4. Location of Well UNIT LETTER M LOCATED 1000' FEET FROM THE South LINE AND 890 FEET FROM THE West LINE OF SEC. 8 TWP. 30N RGE. 11W NMPM		9. Well No. 8
10. Field and Pool, or Wildcat Aztec PC - Blanco		11. County San Juan
12. Proposed Depth 4700		13. Formation Mancos
14. Kind & Status Plug. Bond Blanket		15. Rotary or C.T.
16. Elevation (Show whether DE, RT, etc.) 5598' Gr.		17. Drilling Contractor Y-W Drilling Co.
18. Approx. Date Work will start On Approval		

23.

PROPOSED CASING AND CEMENT PROGRAM

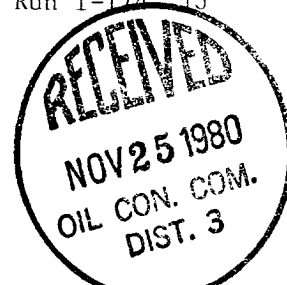
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12-1/4"	8-5/8"	24	250+	175 3% CaCl	Surface
7-7/8"	5-1/2"	15.5	4700	300	3025
	Stage collar	at approx. 2050'	& cement w/375		Surface

Propose to set 8-5/8" casing w/spud mud. Cement to surface. WOC - 8 hrs. Install BOP's and bleed off manifold. Press. test to 600 psi. - 30 min. Drill 7-7/8" hole with light gel-chemical mud to TD. Run IES & GRD/N Logs. Run 5-1/2" casing and stage cement. Perf. & stimulate Mesaverde; set BP; Perf. & stimulate Pictured Cliffs zone: Clean out PC zone, mill out plug and clean out Mesaverde zone. Run Baker Mod "D" prod. packer. Run 1-1/2" EUE tubing and seals on Mesaverde. Run 1-1/4" TJ 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 COMPLETION

2-23-81



IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM; IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE & 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. 4361, Box 1507, Durango, CO

(This space for State Use)

Original Signed by CHARLES PHOLSON

DEPUTY OIL & GAS INSPECTOR, DIST. #3

NOV 25 1980

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY: