

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

30-005-61011
Form C-101
Revised 10-1-78

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LAND OFFICE	
OPERATOR	

AMENDED

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

Type of Work		7. Unit Agreement Name	
Type of Well	DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>	8. Farm or Lease Name	
OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>	SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>	Curtis "OR" Com.	
Name of Operator		9. Well No.	
Cates Petroleum Corporation		1	
Address of Operator		10. Field and Pool, or Wildcat	
407 South 4th Street, Artesia, NM 88210		Abo	
Location of Well		11. County	
UNIT LETTER A LOCATED 660' FEET FROM THE North LINE		Chaves	
660' FEET FROM THE East LINE OF SEC. 26 TWP. 5S RCF. 24E		12. County	
		Chaves	
19. Proposed Depth		19A. Formation	20. Rotary or C.T.
4450'		Abo	Rotary
Elevation (show whether BL, RL, etc.)		21B. Drilling Contractor	22. Approx. Date Work will start
3943.3 GR		L & M #1	ASAP
21A. Kind & Status Plug. Bond			
Blanket			

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
7 1/2"	13 3/8"	48# J-55	approx. 950'	800 sx.	circulate
7/8"	5 1/2" or 4 1/2"	15.5# or 10.5#	TD	450 sx	

We propose to drill and test the Abo and intermediate formations. Approximately 950' of surface casing will be set and cement circulated to shut off gravel and caving. If needed (lost circulation) 8 5/8" intermediate casing will be run to 1500' and cemented with enough cement calculated to tie back into surface casing. Temperature survey will be run. If commercial, production casing will be run and cemented with adequate cover, perforate, and stimulate as needed for production.

WID PROGRAM: FW gel and LCM to 1500', brine KCL to 3200', KCL drispak and starch to TD.
MW 10-10.2, Vis. 34-39, WL 14-7.

ROP PROGRAM: BOP's will be installed on 13 3/8" casing and tested daily.

CAS NOT DEDICATED.

APPROVAL VALID FOR 180 DAYS
PERMIT EXPIRES 1-7-82
UNLESS DRILLING UNDERWAY

Note: This amended APD reflects change in the surface casing string per Oil Conservation Commission request.

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

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

Glenn Rodriguez Title Geographer Date 7-8-81
(This space for State Use)

APPROVED BY W.A. Gossert TITLE SUPERVISOR, DISTRICT II DATE JUL 13 1981
REMARKS OF APPROVAL, IF ANY: