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NEW MEXICO RECONSTRUCTION COMMISSION

FEB 17 1977

D. C. C.  
ARTESIA, OFFICE

Form C-101  
Revised 1-1-65

5A. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEL <input type="checkbox"/>
5. State Oil & Gas Lease No. 648
7. Unit Agreement Name
8. Farm or Lease Name Artesia Metex Unit
9. Well No. 16
10. Field and Pool, or Wildcat Artesia
12. County Eddy
19. Proposed Depth 2150
19A. Formation San Andres
20. Rotary or C.T. Reverse Unit
21. Elevations (Show whether DF, RT, etc.) 3568 GR
21A. Kind & Status Plug. Bond Blanket
21B. Drilling Contractor
22. Approx. Date Work will start

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work b. Type of Well OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> DEEPEN <input checked="" type="checkbox"/> PLUG BACK <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>	2. Name of Operator Yates Drilling Company	3. Address of Operator 207 So. 4th St., Artesia, NM 88210	4. Location of Well UNIT LETTER <u>N</u> LOCATED <u>4950</u> FEET FROM THE <u>North</u> LINE AND <u>4290</u> FEET FROM THE <u>East</u> LINE OF SEC. <u>24</u> TWP. <u>18S</u> RGE. <u>27E</u> NMPM
23. PROPOSED CASING AND CEMENT PROGRAM			

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
(10")	(8-5/8")	(28#)	(486)	(50)	(Existing Surf)
7-5/8"	5 1/2"	14#	2150	175	486

Existing: Producing well - TD 2000' - 8-5/8" csg at 486' w/50 sx cmt. 2" upset tbg set at 1944". Presently producing approx 1 BOPD & 1 BWPD.

Propose: Pull rods, pump & tbg. Deepen w/reverse unit, from existing 2000' TD to approx 2150' (top S.A.). Run GR-N log 2150' to 1500'. Run 5 1/2" 14# csg to 2150' and cement w/175 sx cmt. Run tie-in log and perforate pay zones. Treat w/250 gal 15% HCL, frac with 30,000# 20/40 sand and 40,000 gal treated water. Run approx 1900' of upset tbg and return well to production.

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 Raymond J. [Signature] Title Agent Date 2/17/77

(This space for State Use)

APPROVED BY W. A. Gessert TITLE SUPERVISOR, DISTRICT 7 DATE FEB 18 1977

CONDITIONS OF APPROVAL, IF ANY: