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NEW MEXICO OIL CONSERVATION COMMISSION

DEC 4 - 1979

O. C. C.  
ARTESIA, OFFICE

30-015-23109

Form C-101  
Revised 1-1-65

5A. Indicate Type of Lease  
STATE ☒ FEE ☐

5. State Oil & Gas Lease No.  
L-6520

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 Parkway West
b. Type of Well OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		8. Farm or Lease Name Parkway West Unit
2. Name of Operator The Petroleum Corporation		9. Well No. 11
3. Address of Operator 1440 Midland Natl. Bank Tower, Midland, TX 79701		10. Field and Pool, or Wildcat Undesignated
4. Location of Well UNIT LETTER G LOCATED 1980 FEET FROM THE north LINE AND 1980 FEET FROM THE east LINE OF SEC. 21 TWP. 19-S RGE. 29-E NADPM		11. Field and Pool, or Wildcat Parkway West (Morrow)
19. Proposed Depth 11,800 ft.		19A. Formation Morrow
20. Kind & Status Plug. Bond Blanket		20. Rotary or C.T. Rotary
21. Elevations (Show whether L.F., R.I., etc.) 3342.4 GR		22. Approx. Date Work will start 4-23-80

PROPOSED CASING AND CEMENT PROGRAM					
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17 1/2"	13-3/8"	48#	350'	600	Circ.
12 1/4"	8-5/8"	24# & 32#	3100'	1400	Circ.
7-7/8"	4-1/2"	11.6# & 13.5#	11000'	1000	8500'

Set surface casing into T/salt estimated to be 350', circ. cement. Drill 12-1/4" hole with brine water to prevent washout to 3100', set 8-5/8" casing @ 3100', circ. cement. Drill 7-7/8" hole with fresh water to 9000'. Add brine water @ 9500' to raise mud weight. Drill to TD of 11,800' to test Morrow and intermediate horizons. If commercial, will run casing to TD. Cement with sufficient cement to bring cement above all prospective zones. Estimated T/cement to be 8500'. Perf and stimulate Morrow for production.

NOTE: Gas is not dedicated.

MUD PROGRAM: 0-350': spud mud; 350-3100': 10# brine water; 3100-9000': fresh water; 9000-10800': cut brine water gel, MW 9.4, vis 35; 10800-TD: starch, salt gel and Drispac MW 9.7, vis 36-40 @ TD. WL 6 cc thru Morrow. Bottom hole pressure @ TD anticipated to be 4700 psi. No abnormal pressures expected. BOP PROGRAM: BOPs to be installed on 13-3/8" and 8-5/8" casing. Diagram attached. BOP to be tested daily. Test with yellow jacket prior to drilling Wolfcamp formation.

EXPIRES 3-26-80

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM; IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTION 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 J. K. G. [Signature] Title District Engineer Date 12-3-79

(This space for State Use)

APPROVED BY W. A. Gussert TITLE SUPERVISOR, DISTRICT M DATE DEC 26 1979

CONDITIONS OF APPROVAL, IF ANY:

Cement must be circulated to surface behind 13 3/8" - 8 5/8" casing