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NEW MEXICO OIL CONSERVATION COMMISSION

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30-015-23109

Form C-101
Revised 1-1-75

5A. Indicate Type of Lease	
STATE <input checked="" type="checkbox"/>	FEE <input type="checkbox"/>
5. State Oil & Gas Lease No.	
K-6949-2	

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work		7. Unit Agreement Name	
b. Type of Well OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		Parkway West	
DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		8. Farm or Lease Name	
SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		Parkway West Unit	
2. Name of Operator		9. Well No.	
The Petroleum Corporation		9	
3. Address of Operator		10. Field and Pool, or oil/gas	
One Marienfeld Place, Suite 555, Midland, Texas 79701		Undesignated Parkway West (Morrow)	
4. Location of Well		12. County	
UNIT LETTER K <u>A</u> LOCATED 1980 FEET FROM THE North LINE		Eddy	
AND 1980 FEET FROM THE East LINE OF SEC. 21 TWP. 19S RGE. 29E NMPM			
11. Proposed Depth		19A. Formation	
11,800'		Morrow	
11. Elevations (Show whether DF, RL, etc.)		12. Rotary or C.T.	
3342 3319.1 GR		Rotary	
21A. Kind & Status Plug. Bond		22. Approx. Date Work will start	
Blanket		Undetermined at this time. Due to rig availability	

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#	11,000'	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' to 10,800': cut brine water gel, MW 9.4, vis 35, 10,800' - 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 p. No abnormal pressure expected.

BOP PROGRAM: BOP's to be installed on 13-3/8" and 8-5/8" casing. BOP to be tested daily. Test with yellow jacket prior to drilling Wolfcamp formation.

APPROVAL VALID FOR 180 DAYS
PERMIT EXPIRES 3-1-82
UNLESS DRILLING UNDERWAY

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 Claudia Field Title Engineering Assistant Date August 10, 1981

(This space for State Use)

APPROVED BY W.A. Gussert TITLE SUPERVISOR, DISTRICT II DATE 8-31-81

CONDITIONS OF APPROVAL, IF ANY:

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