

NO. OF COPIES RECEIVED	6
DISTRIBUTION	
SANTA FE	1
FILE	1 ✓
U.S.G.S.	2
LAND OFFICE	1
OPERATOR	1

# NEW MEXICO OIL & GAS COMMISSION

JAN 26 1977

O. C. C.  
ARTESIA, OFFICE

20-015-22037

Form C-101  
Revised 1-4-65

5A. Indicate Type of Lease	
STATE <input checked="" type="checkbox"/>	FEE <input type="checkbox"/>
5. State Oil & Gas Lease No.	
B-7596	

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work		7. Unit Agreement Name	
b. 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"/>		Robinson Gas Com.	
2. Name of Operator		9. Well No.	
Atlantic Richfield Company ✓		1	
3. Address of Operator		10. Field and Pool, or Wildcat	
P. O. Box 1710, Hobbs, New Mexico 88240		Grayburg Morrow	
4. Location of Well		12. County	
UNIT LETTER E LOCATED 1850 FEET FROM THE North LINE		Eddy	
AND 660 FEET FROM THE West LINE OF SEC. 27 TWP. 17S RGE. 29E NMPM			
19. Proposed Depth		19A. Formation	
11,150'		Morrow Gas	
20. Rotary or C.T.		Rotary	
21. Elevations (Show whether DF, RT, etc.)		22. Approx. Date Work will start	
3547.3' GL		2-2-77	
21A. Kind & Status Plug. Bond		21B. Drilling Contractor	
GCA #8		Not selected	

23.

## PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
26"	20" OD	Conductor	20'	3 yds	Surface
17-1/2"	13-3/8" OD	54.5# K-55	750'	325 sx	Circulate
11"	8-5/8" OD	24 & 32# K-55	3500'	1000 sx	Circulate
7-7/8"	5-1/2" OD	17# N-80	11,150'	900 sx	6500'
		17# K-55	8,250'		
		15.5# K-55	6,070'		
		17# K-55	1,550'		
		17# N-80	290'		

APPROVAL VALID  
FOR 90 DAYS UNLESS  
DRILLING COMMENCED,

Propose to drill a development gas well to test the Grayburg Morrow sand.

Mud Program: 0 - 750' Spud Mud

EXPIRES 5-1-77

750 - 3500' Native Mud

3500 - 7200' Fresh wtr w/lime for PH control & paper for seepage loss.

7200 - 10100' Brackish wtr w/3% KCL 9.2#/gal lime for PH control & paper for seepage loss.

10000 - 11150' Cut brine w/polymer 9.6-9.8#/gal. FL below 10.

Two ram hydraulic BOPs will be used on 13-3/8" & 8-5/8" csg string & a Hydril BOP will be added on the 8-5/8" csg string. See BOP diagram attached.

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 Ally Knott Title Dist. Drlg. Supt. Date 1/25/77

(This space for State Use)

APPROVED BY W. A. Grasset TITLE SUPERVISOR, DISTRICT II DATE FEB 1 1977

CONDITIONS OF APPROVAL, IF ANY: