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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101
Revised 1-1-65

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

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

| | | | |
|---|--|--|--|
| 1a. Type of Work | | 7. Unit Agreement Name | |
| b. Type of Well OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> | | 8. Farm or Lease Name John Shults | |
| 2. Name of Operator ARCO Oil and Gas Company Division of Atlantic Richfield Company | | 9. Well No. 6 | |
| 3. Address of Operator P. O. Box 1710, Hobbs, New Mexico 88240 | | 10. Field and Pool, or Wildcat Gladola Devonian | |
| 4. Location of Well UNIT LETTER I LOCATED 660 FEET FROM THE East LINE AND 1980 FEET FROM THE South LINE OF SEC. 13 TWP. 12S RGE. 37E NMPM | | 12. County Lea | |
| 19. Proposed Depth PB to 11,800' | | 19A. Formation Mississippian | |
| 20. Rotary or C.T. Compl Rig | | 21. Elevations (Show whether DF, RT, etc.) 3875' GR | |
| 21A. Kind & Status Plug. Bond GCA #8 | | 21B. Drilling Contractor not selected | |
| 22. Approx. Date Work will start 10/24/83 | | | |

23.

PROPOSED CASING AND CEMENT PROGRAM Casing now in hole

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | SACKS OF CEMENT | EST. TOP |
|--------------|----------------|-----------------|---------------|-----------------|---------------|
| 17 1/4" | 13-3/8" OD | 48# | 308' | 375 | Circ. |
| 11 1/4" | 8-5/8" OD | 24, 32# | 4475' | 2000 | Circ. |
| 7-7/8" | 5 1/2" OD | 20, 17# | 11,940' | 150 | 11,220' by TS |

Run GR-CET log 11,430-9430', determine TOC behind 5 1/2" csg. Perforate Miss zone @ 11,394, 11,402, 12, 21' w/3 JSPF = 12 holes. Set pkr @ 11,300' & acidize 11,394-11,421' w/1500 gals 15% HCL acid. Swab test. If zone test wet, squeeze off perms w/amt & kind of cmt to be determined. If zone not wet, then perf Upper Miss zone 11,250, 54, 58, 62, 66, 70, 74, 11,310' w/3 JSPF. Set RBP @ 11,350' & pkr @ 11,100' & acidize perms 11,250-11,310' w/1500 gals 15% HCL. Swab test. If Upper zone wet, dump sd on BP & cmt squeeze perms 11,250-11,310'. If both zones not wet, retrieve BP & POH. Set pkr @ 11,200' & frac w/30,000 gals 40# gelled acid. Swab test. If upper zone is wet, set pkr @ 11,350' & frac w/30,000 gals 40# gelled acid & swab test. POH w/pkr. RIH w/compl assy & test for prod.

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 E. G. Bush Title Drlg. Engr. Date 10/14/83

(This space for State Use)

ORIGINAL SIGNED BY JERRY SEXTON

APPROVED BY DISTRICT 1 SUPERVISOR TITLE

CONDITIONS OF APPROVAL, IF ANY:

DATE OCT 19 1983

RECEIVED
OCT 18 1983
O.C.D.
HOBBS OFFICE