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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101  
Revised 1-1-65

5A. Indicate Type of Lease
STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
5. State Oil & Gas Lease No.
B-5310

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work		7. Unit Agreement Name	
b. Type of Well DRILL <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER Re-enter SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		8. Farm or Lease Name Cockburn A-State	
2. Name of Operator OXY USA Inc.		9. Well No. 5	
3. Address of Operator P.O. Box 50250 - Midland, Texas 79710		10. Field and Pool, or Wildcat Maljamar (G-SA)	
4. Location of Well UNIT LETTER F LOCATED 1980 FEET FROM THE North LINE AND 1980 FEET FROM THE West LINE OF SEC. 32 TWP. 17S RGE. 33E NMPM		12. County Lea	
19. Proposed Depth 4600'		19A. Formation Grayburg	
20. Rotary or C.T. Completion Ut		21. Elevations (show whether DF, RT, etc.) 4036' GR	
21A. Kind & Status Plug. Bond Required/Blanket		21B. Drilling Contractor Unknown	
22. Approx. Date Work will start After permit approval			

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"		456'	475	Circulated
12-1/4"	9-5/8"		5270'	1800	100'

O.T.D. 13705' Shale. This well was originally drilled by American Quasar as their Corbin State #1 to a T.D. of 13705' and was plugged and abandoned as a dry hole on 9-12-76. It is proposed to DO to 4600' and test the Grayburg Formation in the following manner:

1. Dig out surface pipe, dig working pit, and install anchors. MIRU a completion unit, weld on 9-5/8" head and NU BOP's.
2. RU reverse unit and DO the 18 sack surface plug. RIH w/8-1/2" RB on 2-7/8" tubing to 1150' and circulate the hole w/fresh water. DO the cement plug @ 1150 - 1250' and RIH to 4600' and circulate the hole w/2% KCl water. Pressure test the 9-5/8" casing to 2000# and POOH w/RB and tubing.
3. RU wireline and run GR/CCL/CNL from 4600 - 3500' and perforate the Grayburg Formation w/4 SPF from perfs picked from the logs.
4. RIH w/packer on 2-7/8" tubing and set the packer 100' above the perfs.

(Continued on reverse side)

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 [Signature] Title Lead Petroleum Engineer Date 5-23-88

(This space for State Use)

ORIGINAL SIGNED BY JERRY SEXTON

APPROVED BY DISTRICT 1 SUPERVISOR TITLE  DATE

CONDITIONS OF APPROVAL, IF ANY:

MAY 26 1988

Permit Expires 6 Months From Approval  
Date Unless Drilling Underway

4. Acidize thru Grayburg Perfs w/2500 gals of 15% NeFe HCl acid.
5. Swab test and recover load.  
Frac thru Grayburg Perfs w/21,000 gals crosslinked gelled 2% KCl water + 52,100# 20/40 sand. Swab test and recover load.
6. Release packer and POOH w/packer and tubing. RIH w/2-3/8" production tubing. ND BOP's, NU WH and RIH w/BHP and rods and put well on production for potential test.