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NEW MEXICO OIL CONSERVATION COMMISSION

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MAY 18 1981

O. C. D.
ARTESIA OFFICEForm C-103
Supersedes Old
C-102 and C-103
Effective 1-1-65

5a. Indicate Type of Lease
State <input type="checkbox"/> Fee <input checked="" type="checkbox"/>
5. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR.
USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>	7. Unit Agreement Name
2. Name of Operator Mesa Petroleum Co.	8. Farm or Lease Name Cook Federal Com
3. Address of Operator 1000 Vaughn Bldg. / Midland, TX 79701	9. Well No. 1
4. Location of Well UNIT LETTER <u>H</u> , <u>1980</u> FEET FROM THE <u>North</u> LINE AND <u>660</u> FEET FROM <u>East</u> LINE, SECTION <u>10</u> TOWNSHIP <u>17S</u> RANGE <u>27E</u> NMPM.	10. Field and Pool, or Wildcat <u>Desmond mound</u> <u>Undersaturated Atoka-Morrow</u>
15. Elevation (Show whether DF, RT, GR, etc.) 3574.0 GL	12. County Eddy

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data	
NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>
OTHER <input type="checkbox"/>	OTHER <u>Bring cmt up & frac Atoka-Morrow perfs</u> <input checked="" type="checkbox"/>

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

Commenced workover 3/3/81. Ran vertilog from 6170'-1588'. Perfed two .34" holes @ 5124' (cmt top @ 5170'). Pumped down tbq @ 2000 psi & 4 BPM into perfs 5124' and broke circ out 8-5/8" csg. Pumped 200 gals mud flush, 820 sx Halliburton Lite w/18% salt, 4# gilsonite, 1/4#/sx flocele + 100 sx Class "C" w/2% CaCl. Displaced cmt to 4997' w/fresh wtr. Circ 87 sx cmt to pit. Drld cmt from 5030'-5215'. Tstd csg to 2000 psi-OK. Frac treated Morrow perfs 8570'-8580' w/20,000 gals 50/50 crosslinked gel & CO₂ containing 9000# 100 mesh sand & 29,000# 20-40 sand. Well flowed est 50 BLW & died. Blew well down. WIH w/1" coiled tbq & tagged sand @ 8200'. Jetted sand with nitrogen to 8533'. Attempted to pull coiled tbq-tbg stuck. Pumped 10 bbls gelled 2% KCL down coiled tbq @ 4500 psi. Pulled coiled tbq from 8520'-8420'. Tbg parted. POH & rec 189' of coiled tbq. Latched onto fish @ 60' w/15/16" overshot. Coiled tbq parted 10' below overshot. WIH with 3/8" x 12' sinker bar & tie on shot. Stuck wireline and left sinker bar & tie on shot in hole. On third attempt, worked coiled tbq free & rec 7500'. POH & LD 2-7/8" tbq & WIH w/2-3/8" tbq. Tagged fill @ 8527'. Drld to 8542'. Ran impression block on sand line which showed square object in hole. WIH with magnet on sand line-no recovery. Milled w/reverse circ to rec metal cuttings, cmt & shale chunks. Drld from 8588'-8615'. Ran 4.7# J-55 8rd mod 2-3/8" tbq, set pkr @ 8416'. Made several swab runs, SI; SITP 300 psi. Blew down, well flowed 3 hrs, & died. 16 hr SITP-1650 psi; blew down in 20 min. Treated Morrow zone 8570'-8580' w/4000 gals 50/50 mixture 7-1/2% acid & CO₂ & 6000 gals 50/50 mixture methanol & CO₂. Swabbed & flowed w/12' flare & heavy mist. Est avg rate 500 MCFPD. SI - waiting on pipeline company to resume taking gas.

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

TO <u>Cathy Wilkerson</u> <u>EW</u>	TITLE <u>Production Records Analyst</u>	DATE <u>5/14/81</u>
APPROVED BY <u>W.A. Gressitt</u>	TITLE <u>SUPERVISOR, DISTRICT II</u>	DATE <u>MAY 21 1981</u>
CONDITIONS OF APPROVAL, IF ANY: <u>None</u>		