



STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION  
AZTEC DISTRICT OFFICE

1000 RIO BRAZOS ROAD  
AZTEC, NEW MEXICO 87410  
(505) 344-6178

OIL CONSERVATION DIVISION  
BOX 2088  
SANTA FE, NEW MEXICO 87501

DATE 6-1-81

RE: Proposed MC X  
Proposed DHC \_\_\_\_\_  
Proposed NSL \_\_\_\_\_  
Proposed SWD \_\_\_\_\_  
Proposed WFX \_\_\_\_\_  
Proposed PMX \_\_\_\_\_

Gentlemen:

I have examined the application dated 5-26-81  
for the Mine Section #11E 12-23-26N-6W  
Operator Lease and Well No. Unit, S-T-R

and my recommendations are as follows:

Agree  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Yours truly,

Frank J. Day




NEW MEXICO OIL CONSERVATION COMMISSION  
SANTA FE, NEW MEXICO  
APPLICATION FOR MULTIPLE COMPLETION

Form C-107  
5-1-61

Operator Mesa Petroleum Co.		County Rio Arriba		Date May 22, 1981
Address 1660 Lincoln St., #2800, Denver, CO 80264		Lease Federal		Well No. 11E
Location of Well	Unit P	Section 23	Township 26N	Range 6W

1. Has the New Mexico Oil Conservation Commission heretofore authorized the multiple completion of a well in these same pools or in the same zones within one mile of the subject well? YES XX NO
2. If answer is yes, identify one such instance: Order No.                     ; Operator Lease, and Well No.:

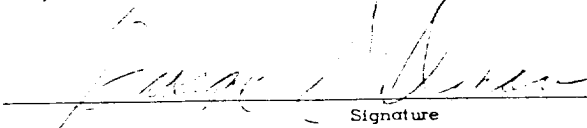
3. The following facts are submitted:	Upper Zone	Intermediate Zone	Lower Zone
a. Name of Pool and Formation	Mesaverde		Dakota
b. Top and Bottom of Pay Section (Perforations)	4922' - 4944'		6934' - 7234'
c. Type of production (Oil or Gas)	Gas		Gas
d. Method of Production (Flowing or Artificial Lift)	Flowing		Flowing

4. The following are attached. (Please check YES or NO)
- | Yes                                 | No                                  |   |
|-------------------------------------|-------------------------------------|---|
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | a. Diagrammatic Sketch of the Multiple Completion, showing all casing strings, including diameters and setting depths, centralizers and/or turbolizers and location thereof, quantities used and top of cement, perforated intervals, tubing strings, including diameters and setting depth, location and type of packers and side door chokes, and such other information as may be pertinent. |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | b. Plat showing the location of all wells on applicant's lease, all offset wells on offset leases, and the names and addresses of operators of all leases offsetting applicant's lease.   |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | c. Waivers consenting to such multiple completion from each offset operator, or in lieu thereof, evidence that said offset operators have been furnished copies of the application.*  |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | *d. Electrical log of the well or other acceptable log with tops and bottoms of producing zones and intervals of perforation indicated thereon. (If such log is not available at the time application is filed it shall be submitted as provided by Rule 112-A.)  |

5. List all offset operators to the lease on which this well is located together with their correct mailing address.
- \*4d logs sent prior to filing of this application Caulkins Oil Co., 2100 Colorado State Bank Bldg., 1600 Broadway, Denver, Colorado 80202
- El Paso Companies #1 Denver Place, Suite 1500, 999 18th Street, Denver, Colorado 80202

6. Were all operators listed in Item 5 above notified and furnished a copy of this application? YES X NO       . If answer is yes, give date of such notification 5/22/81.

CERTIFICATE: I, the undersigned, state that I am the Div. Production Supervisor of the Mesa Petroleum Co. (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

  
Signature

\*Should waivers from all offset operators not accompany an application for administrative approval, the New Mexico Oil Conservation Commission will hold the application for a period of twenty (20) days from date of receipt by the Commission's Santa Fe office. If, after said twenty-day period, no protest nor request for hearing is received by the Santa Fe office, the application will then be processed.

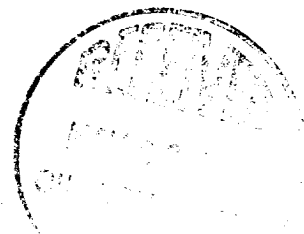
NOTE: If the proposed multiple completion will result in an unorthodox well location and/or a non-standard proration unit in one or more of the pools, then separate application for approval of the same should be filed simultaneously with this application.



OFFSET WELLS

Federal #11E  
Rio Arriba County, New Mexico

<u>OPERATOR</u>	<u>WELL NAME</u>	<u>LEGAL DESCRIPTION</u>
Mesa Petroleum Co.	#12 Pubco Federal	23-26-6 NENW
Mesa Petroleum Co.	#11 Pubco Federal	23-26-6 NWN
Caulkins Oil Company	#346 Breech D	22-26-6 NENE
Caulkins Oil Company	#387 Breech D	22-26-6 SWSE
Caulkins Oil Company	PC-343 Breech D	22-26-6 NWN
Caulkins Oil Company	#1 Sanchez	24-26-6 NWNW
El Paso Natural Gas	#8 Vaughn	26-26-6 NENE
El Paso Natural Gas	#26 Vaughn	26-26-6 SWNW



Federal 11E  
Sec. 23 - T26N - R6W  
Rio Arriba Co., N. M.

a = #12 Pubco Federal  
b = #11 Pubco Federal  
c = #346 Breech D  
d = #387 Breech D  
e = PC-343 Breech D  
f = #1 Sanchez  
g = #8 Vaughn  
h = #26 Vaughn



15	14	13
e ☀ c 22 d ☀	a ☀ b ☀ 23 ☀	f ☀ 24
27	h ☀ g ☀ 26	25

T 26

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE\*

(See other in-  
structions on  
reverse side)Form approved.  
Budget Bureau No. 42-R355.5.

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> Other _____						5. LEASE DESIGNATION AND SERIAL NO. SF0079296, SF079295									
b. TYPE OF COMPLETION: NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> Other _____						6. IF INDIAN, ALLOTTEE OR TRIBE NAME									
2. NAME OF OPERATOR Mesa Petroleum Co.						7. UNIT AGREEMENT NAME									
3. ADDRESS OF OPERATOR 1660 Lincoln Street, #2800, Denver, CO 80264						8. FARM OR LEASE NAME Federal									
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1190' FSL and 1190' FEL  At top prod. interval reported below  At total depth						9. WELL NO. 11E									
14. PERMIT NO. _____ DATE ISSUED 1/4/80						10. FIELD AND POOL, OR WILDCAT Basin - Dakota									
15. DATE SPUDDED 10/31/80 16. DATE T.D. REACHED 11/14/80 17. DATE COMPL. (Ready to prod.) 5/19/81 18. ELEVATIONS (DF, REB, BT, GR, ETC.)* 6370' GR 19. ELEV. CASINGHEAD 6370' GR						11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 23-T26N-R6W									
20. TOTAL DEPTH, MD & TVD 7293' 21. PLUG, BACK T.D., MD & TVD 7251' 22. IF MULTIPLE COMPL., HOW MANY* 2 zones 23. INTERVALS DRILLED BY → 0-7293' 24. ROTARY TOOLS CABLE TOOLS -0-						12. COUNTY OR PARISH Rio Arriba									
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 6934' - 7234' Dakota						13. STATE NM									
26. TYPE ELECTRIC AND OTHER LOGS RUN Density Neutron, GR-CBL, IES						25. WAS DIRECTIONAL SURVEY MADE No									
27. WAS WELL CORED No															
28. CASING RECORD (Report all strings set in well)															
CASING SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED					
8 5/8"		24#		330'		12 1/4"		225 sxs Class "B"		-0-					
5 1/2"		15.5#, 17#		7293'		7 7/8"		755 sxs 50/50 pozmix,		-0-					
								150 sxs Light							
29. LINER RECORD								30. TUBING RECORD							
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT*		SCREEN (MD)		SIZE		DEPTH SET (MD)		PACKER SET (MD)	
										2 1/16"		6880'		6494'	
										1 1/2"		4870'		-0-	
31. PERFORATION RECORDED (Interval, size and number) 7231, 28, 21, 13, 10 & 7204 6 Holes .40" 7198, 51, 45, 42, 38, 11, 09, 7079, 75, 69, 53 11 Holes .40", 7190-7234' - 1SPF .40" 7136-51, 7108-12, 7060-80, 6934-56, 80-82 1 HPF .40"								32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.							
								DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED					
								7053-7234'		2000 Gal. 15% HCL Acid					
										87,000 Gal. x link w/124,000 #s					
										20-40 sd.					
								6934-82'		1,500 Gal. 15% HCL					
33. PRODUCTION															
DATE FIRST PRODUCTION N/A		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing						WELL STATUS (Producing or shut-in) Shut in							
DATE OF TEST 5/11/81		HOURS TESTED 3		CHOKE SIZE .750		PROD'N. FOR TEST PERIOD →		OIL—BBL. -0-		GAS—MCF. 2622		WATER—BBL. -0-		GAS-OIL RATIO N/A	
FLOW. TUBING PRESS. 160 psig		CASING PRESSURE -0-		CALCULATED 24-HOUR RATE →		OIL—BBL. -0-		GAS—MCF. 2622		WATER—BBL. -0-		OIL GRAVITY-API (CORR.) -0-			
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Vented for test purposes only												TEST WITNESSED BY J.L. Archer			
35. LIST OF ATTACHMENTS C-104 w/deviation, C-107, C-122															
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records															
SIGNED <u>[Signature]</u> TITLE Div Production Supervisor DATE 5/22/81															

\*(See Instructions and Spaces for Additional Data on Reverse Side)