

THE APPLICATION OF MESA PETROLEUM
COMPANY FOR A DUAL COMPLETION

ORDER NO. MC-2841

ADMINISTRATIVE ORDER
OF THE OIL CONSERVATION DIVISION

Under the provisions of Rule 112-A Mesa Petroleum Company made application to the New Mexico Oil Conservation Division on April 1, 1981, for permission to dually complete its State Com AG Well No. 29E located in Unit F of Section 36, Township 29 North, Range 10 West, NMPM, San Juan County, New Mexico, in such a manner as to permit production of gas from the Blanco Mesaverde Pool and the Basin Dakota Pool.

Now, on this 18th day of May, 1981, the Division Director finds:

1. That application has been filed under the provisions of Rule 112-A of the Division's Rules and Regulations;

2. That satisfactory information has been provided that all operators of offset acreage have been duly notified;

3. That no objections have been received within the waiting period as prescribed by said rule;

4. That the proposed dual completion will not cause waste nor impair correlative rights;

5. That the mechanics of the proposed dual completion are feasible and consonant with good conservation practices.

IT IS THEREFORE ORDERED:

That the applicant herein, Mesa Petroleum Company, be and the same is hereby authorized to dually complete its State Com AG Well No. 29E located in Unit F of Section 36, Township 29 North, Range 10 West, NMPM, San Juan County, New Mexico, in such a manner as to permit production of gas from the Blanco Mesaverde Pool and the Basin Dakota Pool through parallel strings of tubing.

PROVIDED HOWEVER, That applicant shall complete, operate, and produce said well in accordance with the provisions of Rule 112-A.

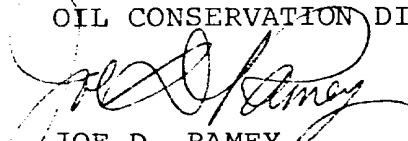
PROVIDED FURTHER, That applicant shall take packer-leakage tests upon completion and annually thereafter.

IT IS FURTHER ORDERED:

That jurisdiction of this cause is hereby retained for the entry of such further orders as the Division may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION


JOE D. RAMEY



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE

1000 RIO BRAZOS ROAD
AZTEC, NEW MEXICO 87410
(505) 334-6178

OIL CONSERVATION DIVISION
BOX 2088
SANTA FE, NEW MEXICO 87501

DATE 3-30-81

RE: Proposed MC α
Proposed DHC _____
Proposed NSL _____
Proposed SWD _____
Proposed WFX _____
Proposed PMX _____

Gentlemen:

I have examined the application dated 3-26-81
for the Min. Pet. Co. State Com AG #29E F-36-29N-10W
Operator Lease and Well No. Unit, S-T-R

and my recommendations are as follows:

Approve

Yours truly,

Frank J. Dewey

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

Form C-107
5-1-61

Operator Mesa Petroleum Co.		County San Juan	Date 3/20/81
Address 1660 Lincoln St., #2800, Denver, CO 80264		Lease State Com AG	Well No. 29E
Location of Well Unit F	Section 36	Township 29N	Range 10W

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 ☒ NO ☐
2. If answer is yes, identify one such instance: Order No. _____; Operator Lease, and Well No.: State Com AF 28E

3. The following facts are submitted:

	Upper Zone	Intermediate Zone	Lower Zone
a. Name of Pool and Formation	Dakota		Mesaverde
b. Top and Bottom of Pay Section (Perforations)	6307'-6469'		3823'-4256'
c. Type of production (Oil or Gas)	Gas		Gas
d. Method of Production (Flowing or Artificial Lift)	Flowing		Flowing

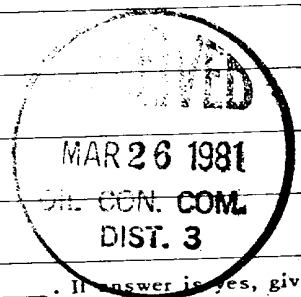
4. The following are attached. (Please check YES or NO)

- | Yes | No | |
|-------------------------------------|-------------------------------------|---|
| ☒ | ☐ | 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. |
| ☒ | ☐ | 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. |
| ☒ | ☐ | 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.* |
| ☐ | ☒ | 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.

#4 (d) - Logs were sent prior to filing of this application

#5 - See attached



6. Were all operators listed in Item 5 above notified and furnished a copy of this application? YES ☒ NO ☐. If answer is yes, give date of such notification 3/23/81.

CERTIFICATE: I, the undersigned, state that I am the Division Drilling Super. 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]
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.

Multiple completion will result in an unorthodox well location and/or a non-standard perforation unit in one or more of the zones. Such application should be filed simultaneously with this application.

OFFSET OPERATORS - State Com AG 29E

Aztec
Division Southland Royalty Co.
1000 Fort Worth Club Tower
Fort Worth, TX 76102

Southern Union Exploration Co.
P. O. Box 750
208 E. Apache
Farmington, NM 84701

El Paso Oil & Gas Co.
Division Odessa Natural Corp.
P.O. Box 3908
Odessa, TX 79760

Stanolind
Division of Amoco
P. O. Box 5340-A
Chicago, IL 60680

Pan American Petroleum Co.
Division Amoco
P. O. Box 5340-A
Chicago, IL 60680

Supron Energy
Bldg. 5, 5th Floor
10300 N. Central Expressway
Dallas, TX 75231

Well Name: State Com. AG29E (T29N-R10W, Sec. 36: SWNW - Dual Completion-MV/Dak)

Offset Wells

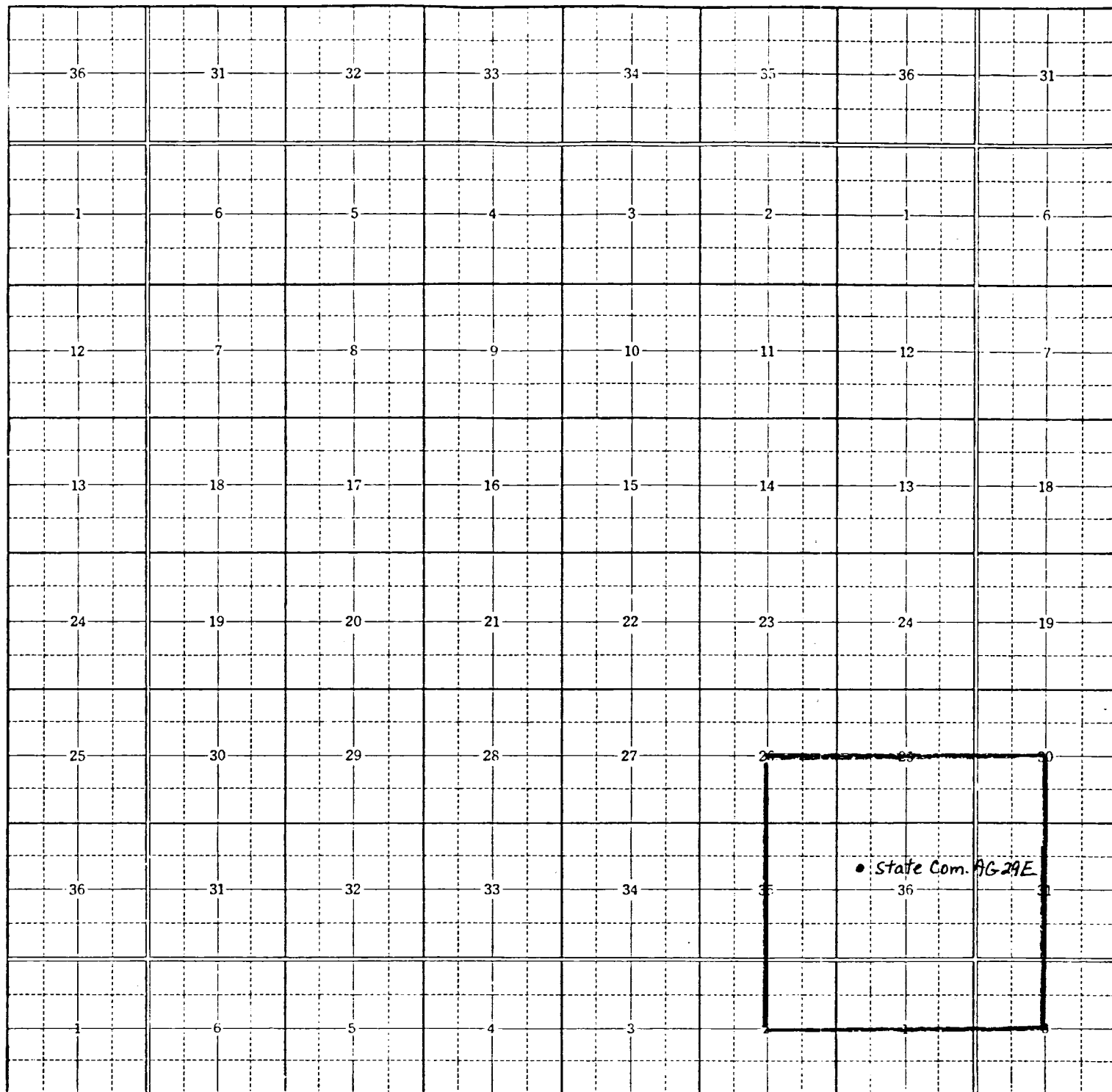
<u>Operator</u>	<u>Well Name</u>	<u>Legal Description</u>	<u>Formation</u>
Aztec (SRC)	Cain #16-D	30-29-9 SWSW	Dakota
*Southern Union	#3 Cain	30-29-9 SESW	
*Aztec (SRC)	#3 Cain	30-29-9 SESW	
Aztec (SRC)	#4 Cain	31-29-9 SESW	Pictured Cliffs
El Paso	#4C Atlantic	31-29-9 SESW	
**Aztec (SRC)	#15 Cain	31-29-9 SWSW	MV/Dak.
**Aztec (SRC)	#15 Cain D	31-29-9 SWSW	Dakota
Stanolind	#1 Abrams B	25-29-10 SWSW	Pictured Cliffs
Pan Am. Pet. (Amoco)	#1 Hare Gas Unit C	25-29-10 SWSW	Dakota
Aztec (SRC)	#4 Hare	25-29-10 SWSE	Pictured Cliffs
Pan Am. Pet. (Amoco)	#2 Abrams Gas Com. B	25-29-10 SWSW	Pictured Cliffs
Amoco	#1-E Morris Gas Com. C	26-29-10 NESE	Dakota
Stanolind	#1 Abrams (A)	26-29-10 NESE	Pictured Cliffs
El Paso	#2 Neudecker	35-29-10 SWNE	Pictured Cliffs
Supron Energy	#17E Zachary	35-29-10 SWSE	
Mesa Pet. Co.	State Com. AF28	36-29-10 NWNE	Dakota
Mesa Pet. Co.	State Com. AF28E	36-29-10 NESE	Dakota
Mesa Pet. Co.	State Com. AG29	36-29-10 SESW	Dakota

* Possibly a workover

** Same Location

Township _____, Range _____, County _____, State _____

Island Township Plat



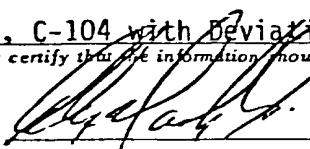
State Com. AG29E
T29N-R10W, N.M.P.M.
Section 36: SW $\frac{1}{4}$ NW $\frac{1}{4}$
San Juan County, New Mexico

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

Form C-105
Revised 1-1-65

NEW MEXICO OIL CONSERVATION COMMISSION WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5a. Indicate Type of Lease	State ☒ Fee ☐
5. State Oil & Gas Lease No.	***

10. TYPE OF WELL						7. Unit Agreement Name	
a. TYPE OF COMPLETION NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER ☐ OIL WELL ☐ GAS WELL ☒ DRY ☐ OTHER ☐						8. Farm or Lease Name State Com AG	
2. Name of Operator Mesa Petroleum Co.						9. Well No. 29E	
3. Address of Operator 1660 Lincoln St., #2800, Denver, CO 80264						10. Field and Pool, or Wildcat Basin Dakota	
4. Location of Well							
UNIT LETTER <u>F</u> LOCATED <u>1500</u> FEET FROM THE <u>North</u> LINE AND <u>1565</u> FEET FROM THE <u>West</u> LINE OF SEC. <u>36</u> TWP. <u>29N</u> RGE. <u>10W</u> NMPM						12. County San Juan	
15. Date Spudded 9/22/80	16. Date T.D. Reached 10/7/80	17. Date Compl. (Ready to Prod.) 2/14/81	18. Elevations (DF, RKB, RT, GR, etc.) 5605' GL ungraded	19. Elev. Casinghead 5605'			
20. Total Depth 6525'	21. Plug Back T.D. 6482'	22. If Multiple Compl., How Many two	23. Intervals Drilled By 0' - 5605'	Rotary Tools 0 -		Cable Tools 0 -	
24. Producing Interval(s), of this completion - Top, Bottom, Name 6307' - 6469' Dakota						25. Was Directional Survey Made No	
26. Type Electric and Other Logs Run Induction Electrolog, Densi Neutron, After Frac. Temperature, GR-CBL						27. Was Well Cored No	
28. CASING RECORD (Report all strings set in well)							
CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD		AMOUNT PULLED	
8 5/8"	24#	329'	12 1/4"	200 sxs Class "B"		0 -	
5 1/2"	15.5#	6525'	7 7/8"	725 sxs 50/50 P07, 500 sxs 65/35 P07		0 -	
29. LINER RECORD							
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	30. TUBING RECORD		
					SIZE	DEPTH SET	PACKER SET
					2 1/16"	6240'	6000'
					1 1/2"	3750'	3750'
31. Perforation Record (Interval, size and number) 6469'-67', 6377'-74', 71', 70', 69', 67', 10', 09', 07', 12 Holes, .40" diameter				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
DEPTH INTERVAL				AMOUNT AND KIND MATERIAL USED			
6307'-6469'				56,470 gals. x-link gel, 2% diesel, 55,000# 20/40 sand, 20,000# 10/20 sand			
33. PRODUCTION							
Date First Production 2/23/81		Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing				Well Status (Prod. or Shut-in) SI	
Date of Test 2/23/81	Hours Tested 4	Choke Size 3/4"	Prod'n. For Test Period →	Oil - Bbl. ---	Gas - MCF ---	Water - Bbl. ---	Gas - Oil Ratio ---
Flow Tubing Press. 44	Casing Pressure 1141	Calculated 24-Hour Rate →	Oil - Bbl. trace	Gas - MCF 804 AOF	Water - Bbl. 0	Oil Gravity - API (Corr.) N/A	
34. Disposition of Gas (Sold, used for fuel, vented, etc.) Vented for test purposes only						Test Witnessed By J. Archer	
35. List of Attachments C-122, C-104 with Deviation Record, Well Bore Schematic							
36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.							
SIGNED 				TITLE Div. Drilling Supervisor		DATE 3/10/81	

** Lease Numbers: B10735 #37, E6348 original E 70 #26, B11017, B10405 #56, B10405 #55,

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Commission not later than 20 days after the completion of any newly-drilled or reopened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 30 through 34 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northwestern New Mexico

T. Anhy	T. Canyon	T. Ojo Alamo	T. Penn. "B"
T. Salt	T. Strawn	T. Kirtland-Fruitland	T. Penn. "C"
B. Salt	T. Atoka	T. Pictured Cliffs	T. Penn. "D"
T. Yates	T. Miss	T. Cliff House	T. Leadville
T. 7 Rivers	T. Devonian	T. Menefee	T. Madison
T. Queen	T. Silurian	T. Point Lookout	T. Elbert
T. Grayburg	T. Montoya	T. Mancos	T. McCracken
T. San Andres	T. Simpson	T. Gallup	T. Ignacio Qizte
T. Glorieta	T. McKee	Base Greenhorn	T. Granite
T. Paddock	T. Ellenburger	T. Dakota	T.
T. Elinebry	T. Gr. Wash.	T. Morrison	T.
T. Tubb	T. Granite	T. Todilto	T.
T. Drinkard	T. Delaware Sand	T. Entrada	T.
T. Abo	T. Bone Springs	T. Wingate	T.
T. Wolfcamp	T.	T. Chinle	T.
T. Penn.	T.	T. Permian	T.
T. Cisco (Bough C)	T.	T. Penn. "A"	T.

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
915'			Kirtland				
1673'			Fruitland				
1918'			Pictured Cliffs				
1981'			Lewis				
3552'			Cliff House				
3652'			Menefee				
4208'			Pt. Lookout				
4384'			Mancos				
6176'			Greenhorn				
6249'			Graneros				
6364'			Dakota				



State Com AG 29E
Sec. 36-T29N-R10W
San Juan Co., NM

1½" IJ tubing set @ 3750'

8 5/8" 24#/ft new STC K-55 csg set at
329', cemented to the surface.

Cliff House perfs @ 3825'-3988' (gross)

Pt. Lookout perfs @ 4887'-4256' (gross)

Lok-set production packer set @ 6048'

2 1/16" IJ tubing set at 6240'

Dakota-Graneros perfs @ 6307'-6469' (gross)

PBTD @ 6483'

5½" 15.5#/ft K-55 New STC csg set @ TD
of 6525', cement top at surface

