

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
DRILL ☒ DEEPEN ☐ PLUG BACK ☐

b. TYPE OF WELL
OIL WELL ☒ GAS WELL ☐ OTHER ☐ SINGLE ZONE ☒ MULTIPLE ZONE ☐

2. NAME OF OPERATOR
MESA PETROLEUM CO.

3. ADDRESS OF OPERATOR
1660 Lincoln, 2800 Lincoln Center, Denver, Colorado 80264

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface 1980'N & 1980'W
At proposed prod. zone same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE
FARMINGTON, N. M.

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

16. NO. OF ACRES IN LEASE
960

17. NO. OF ACRES ASSIGNED TO THIS WELL
40

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH
5800'

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
6897 GL

22. APPROX. DATE WORK WILL START*
Aug 1, 1981

23. DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED GENERAL REQUIREMENTS CEMENTING PROGRAM

24. This action is subject to administrative appeal pursuant to 30 CFR 290.

QUANTITY OF CEMENT

250 sks Circ. to surface

950

(See Attachments)

Gas under this lease is dedicated to a contract.



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. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED John Alexander TITLE Agent DATE May 29, 1981
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____

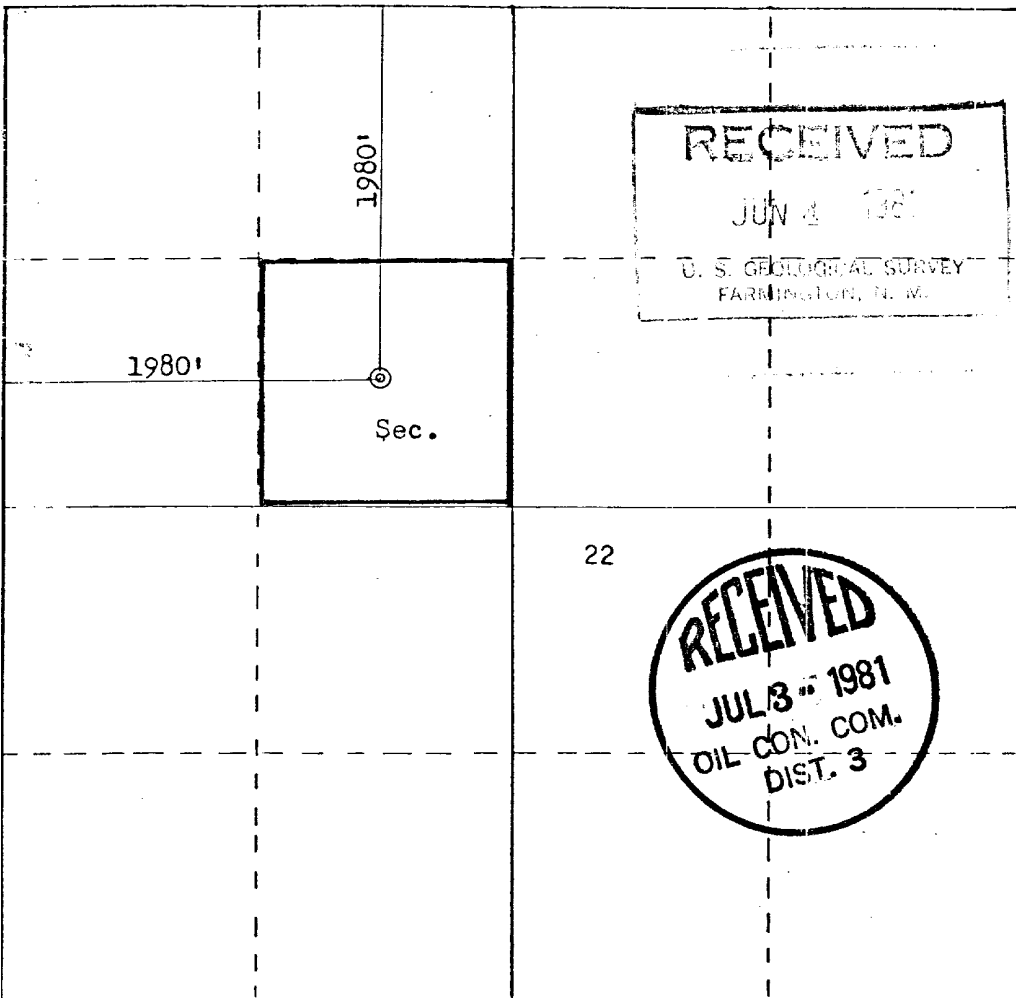
CONDITIONS OF APPROVAL, IF ANY: oh 3-

APPROVED
AS AMENDED
JUL 29 1981
Dean Elliott
S. F. SIMS
DISTRICT ENGINEER

NMOCC

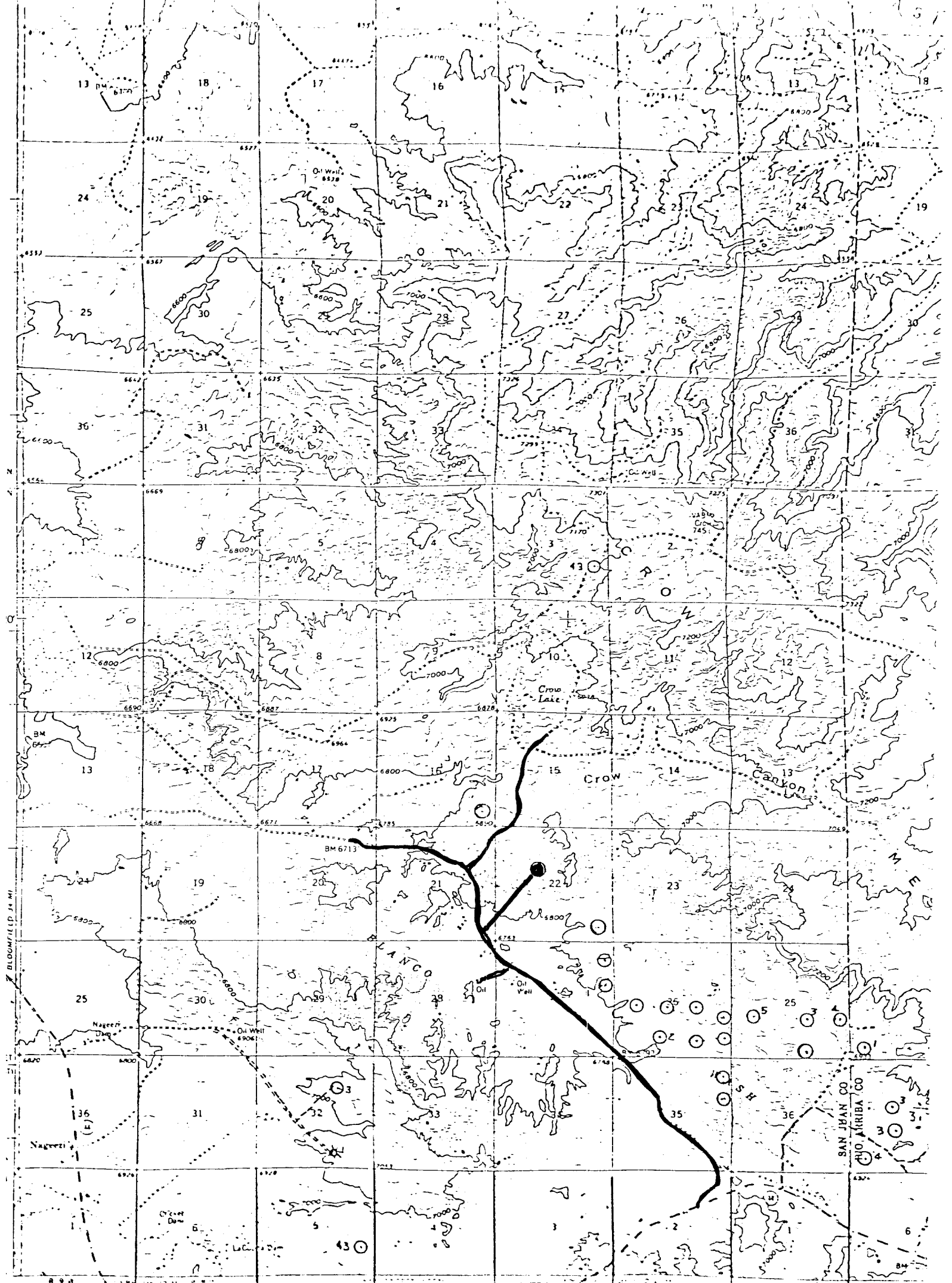
All distances must be from the outer boundaries of the Section.

Operator MESA PETROLEUM CO.		Lease SOUTH BLANCO-FEDERAL 22		Well No. 1
Unit Letter F	Section 22	Township 24N	Range 8W	County San Juan
Actual Footage Location of Well: 1980 feet from the North line and 1980 feet from the West line				
Ground Level Elev: 6897	Producing Formation Gallup	Pool Lybrook Gallup Ext.	Dedicated Acreage 40 Acres	
<p>1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.</p> <p>2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).</p> <p>3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No If answer is "yes," type of consolidation _____</p> <p>If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____</p> <p>No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.</p>				



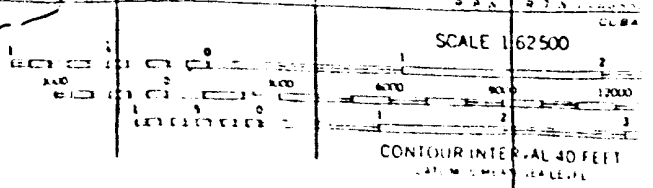
Scale: 1"=1000'

CERTIFICATION	
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.	
Name	<i>John Alexander</i>
Position	Agent
Company	MESA PETROLEUM CO.
Date	May 26, 1981
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.	
Date Surveyed	May 8, 1981
Registered Professional Engineer and Land Surveyor	<i>Fred B. Kerr, Jr.</i>
Certificate No.	3950



0745
Mapped, edited, and published by the Geological Survey
Control by USGS and USC&GS
Topography by photogrammetric methods *H.W.Y.-44*
photographs taken 1955 field checked 1959
Polyconic projection 1927 North American datum
10 000 foot grid based on New Mex
west and central zones
1000 meter Universal Transverse M
zone 13 shown in blue
Dashed and lines indicate approx
Certain land lines omitted because

Vicinity Map for
MESA PETROLEUM CO. #1 SOUTH BLANCO-FEDERAL 22
1980'FWL 1980'FWL Sec. 22-T24N-R8W
SAN JUAN COUNTY, NEW MEXICO



U.S. GEOLOGICAL SURVEY
SURVEY DENVER 25, COLORADO
A PUBLICATION OF THE UNITED STATES GEOLOGICAL SURVEY