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NEW MEXICO OIL CONSERVATION COMMISSION

30-095-24682
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. NMLG 1034-2
7. Unit Agreement Name
8. Farm or Lease Name SOUTH BLANCO STATE 36
9. Well No. 4
10. Field and Pool or Wildcat LYBROOK - GALLUP
12. County SAN JUAN
19. Proposed Depth 5625
19A. Formation GALLUP
20. Rotary or C.T. ROTARY
21. Approx. Date Work will start December 15, 1980

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

a. Type of Work b. Type of Well OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> c. Name of Operator MESA PETROLEUM CO. d. Address of Operator 1660 Lincoln, 2800 Lincoln Center, Denver, Colorado 80264 e. Location of Well UNIT LETTER J LOCATED 1910 FEET FROM THE SOUTH LINE ND 1770 FEET FROM THE EAST LINE OF SEC. 36 TWP. 24N RGE. 8W NMPM f. Elevations (Show whether DF, RT, etc.) 6898 GL 21A. Kind & Status Plug. Bond STATEWIDE 21B. Drilling Contractor YOUNG	DRILL <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>
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PROPOSED CASING AND CEMENT PROGRAM

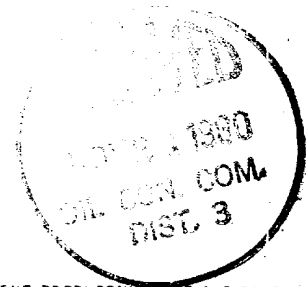
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12 1/4	8 5/8	24	250	200	Surface
7 7/8	4 1/2	10.5	5625	1000	900'

GAS UNDER THIS LEASE IS NOT DEDICATED TO A CONTRACT.

A 10" 900 series BOP will be in service from under surface casing. Surface casing and BOP will be tested to 2,000 psi. The BOP will be operated daily. Adequate mud supplies will be available on location to control any blowout situation.

APPROVAL VALID
FOR 90 DAYS UNLESS
DRILLING COMMENCED

EXPIRES 2-22-81



ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTION 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.

By <u>John Alexander</u> (This space for State Use)	Title <u>AGENT</u>	Date <u>November 19, 1980</u>
By <u>Frank J. Day</u>	SUPERVISOR DISTRICT # <u>3</u>	DATE <u>NOV 24 1980</u>
CONDITIONS OF APPROVAL, IF ANY:		

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO

P. O. BOX 2088

Form C-102
Revised 10-1-78

OIL AND MINERALS DEPARTMENT

SANTA FE, NEW MEXICO 87501

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

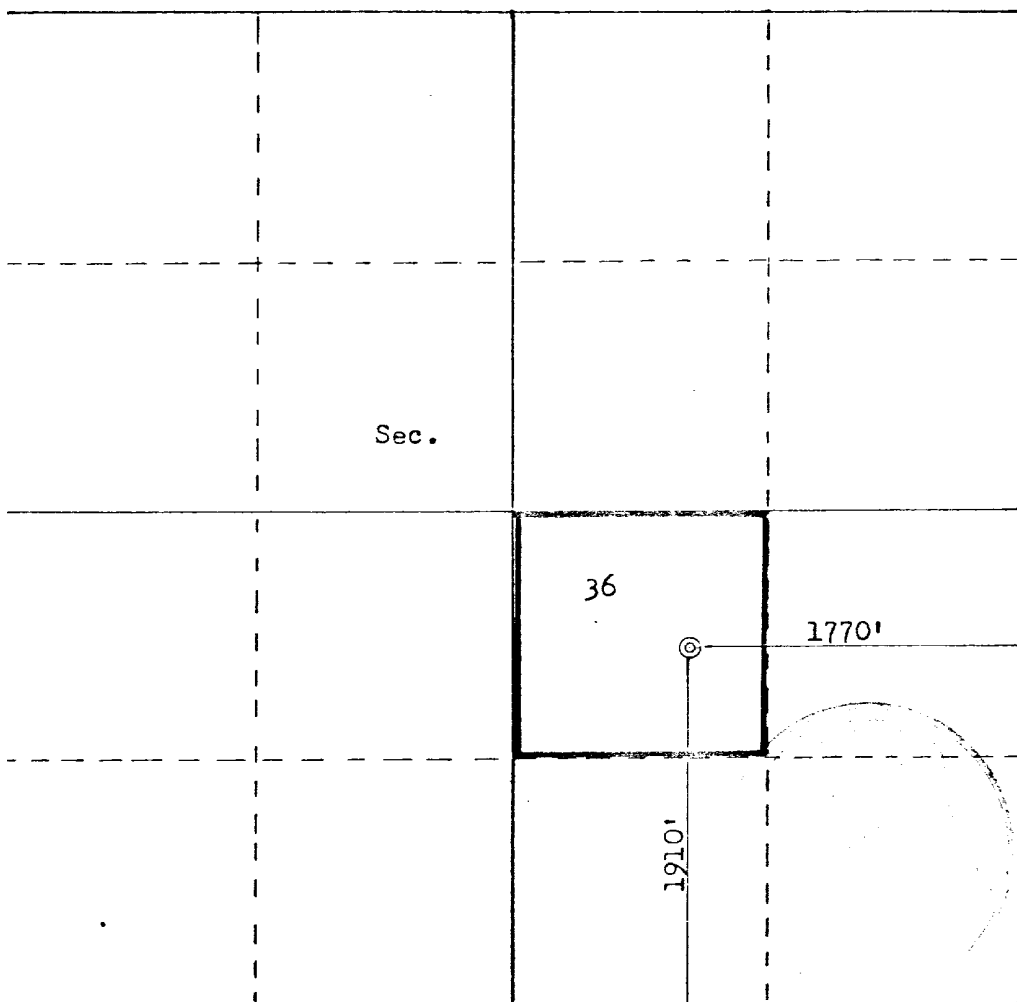
Operator MESA PETROLEUM COMPANY		Lease SOUTH BLANCO-STATE 36		Well No. 4
Unit Letter J	Section 36	Township 24N	Range 3W	County San Juan
Actual Footage Location of Wells				
1910	feet from the South	line and	1770	feet from the East line
Ground Level Elev: 6898	Producing Formation GALLUP	Pool LYBROOK - GALLUP	Dedicated Acreage 40 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
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).
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?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

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.



CERTIFICATION

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

John Alexander
Name
JOHN ALEXANDER

Position
AGENT

Company
MESA PETROLEUM CO.

Date
November 20, 1980

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
November 7, 1980

Registered Professional Engineer
and Land Surveyor

Fred B. Kerr Jr.
Fred B. Kerr Jr.

Certificate No. **3950**

WELL NAME South Blanco #4-36 State FIELD Undesignated Gallup DATE 10-16-80
 REFERENCE LOCATION 2000' Fm S Line & 1650' Fm E Line, Sec. 36 T 24N R 8W

COUNTY San Juan STATE New Mexico PROPOSED TD 5625'

ANTICIPATED FORMATION TOPS:

Formation	Depth	Content	Formation	Depth	Content
Pictured Cliffs	/ 1875'	/	* Upper Gallup	/ 5250'	/ Oil & Gas
Lewis	/ 1950'	/	* Marye Sand	/ 5410'	/ Oil & Gas
Chacra	/ 2740'	/ Gas	* Lower Gallup	/ 5430'	/ Oil & Gas
Cliffhouse	/ 3400'	/		/	/
Point Lookout	/ 4200'	/		/	/
Mancos	/ 4450'	/		/	/

* Denotes primary zones of interest

DRILLING SAMPLES:

<u>10</u> ft. Samples	From <u>1875'</u> To <u>1975'</u>
<u>10</u> ft. Samples	From <u>2740'</u> To <u>2840'</u>
<u>10</u> ft. Samples	From <u>5250'</u> To <u>TD</u>
<u> </u> ft. Samples	From <u> </u> To <u> </u>

CORING PROGRAM: NONE

	Formation	Interval From -- To	Total Footage
1.	<u> </u>	<u> </u>	<u> </u>
2.	<u> </u>	<u> </u>	<u> </u>
3.	<u> </u>	<u> </u>	<u> </u>
4.	<u> </u>	<u> </u>	<u> </u>

DRILL STEM TESTS: NONE

	Depth	Formation		Depth	Formation
1.	<u> </u>	<u>/</u>	4.	<u> </u>	<u>/</u>
2.	<u> </u>	<u>/</u>	5.	<u> </u>	<u>/</u>
3.	<u> </u>	<u>/</u>	6.	<u> </u>	<u>/</u>

PROPOSED OPEN HOLE LOGGING PROGRAM:

Type	From	Depth	To
IES	Base surf. csg.	/	TD
Gamma Ray - Cal., CNL-FDC	Base surf. csg.	/	TD
		/	
		/	

MUD LOGGING PROGRAM:

One man with trailer on at 1500'.

Well site Geologist on well site at 1500' depth.

NOTIFICATION: Telephone Mesa's Denver Office, Operations Dept., Monday thru Friday by 9:00
 with drilling reports. Call Alex Nash's residence on Weekends & Holidays at 303/741-3353
 1st. alternate Jim Farrell's residence at 303/759-3165.

All Geological information to Mesa's Denver office 303/861-4243, Attn. <u>David Hamilton</u>	
Weekends & Holidays call <u>David Hamilton</u>	at 303/ <u>751-9560</u>
1st. Alternate <u>John Barwin</u>	at 303/ <u>279-9732</u>
2nd. Alternate <u>Bob King</u>	at 303/ <u>759-2083</u>