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NEW MEXICO OIL CONSERVATION COMMISSION

30-005-60406

Form C-101
Revised 1-1-65

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work
b. Type of Well
DRILL [X] DEEPEN [ ] PLUG BACK [ ]
OIL WELL [ ] GAS WELL [X] OTHER SINGLE ZONE [X] MULTIPLE ZONE [ ]

2. Name of Operator
Read & Stevens, Inc. ✓

3. Address of Operator
P. O. Box 2126, Roswell, New Mexico 88201

4. Location of Well UNIT LETTER 0 LOCATED 660 FEET FROM THE South LINE AND 1980 FEET FROM THE East LINE OF SEC. 36 TWP. 15-S RGE. 26-E NMPM

5A. Indicate Type of Lease STATE [X] FEE [ ]

5. State Oil & Gas Lease No.
L-651 & L-1510

7. Unit Agreement Name
---

8. Farm or Lease Name
Sanders - State

9. Well No.
1

10. Field and Pool, or Wildcat
Undesignated

12. County
Chaves

19. Proposed Depth	19A. Formation	20. Rotary or C.T.
8400'	Atoka	Rotary

21. Elevations (Show whether DF, RT, etc.)	21A. Kind & Status Plug. Bond	21B. Drilling Contractor	22. Approx. Date Work will start
3451.4' GR - 3463' RKB	Statewide	WEK Drilling Co.	2-26-~~76~~ 77

23.

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17 1/2"	12 3/4"	34#	400'	225 sx.	circulated
11 1/4"	8 5/8"	24#	1450'	700 sx.	circulated
7 7/8"	4 1/2"	10.5# & 11.6#	8400'	625 sx.	6500'

See attached well prognosis and blow-out preventor diagram for proposed drilling program.

APPROVAL VALID
FOR 90 DAYS UNLESS
DRILLING COMMENCED,
EXPIRES 4-3-77

Gas not dedicated

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. 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.

Signed John L. Anderson Jr. Title Agent Date 12-22-76

(This space for State Use)

APPROVED BY W. A. Gressett TITLE SUPERVISOR, DISTRICT II DATE JAN 3 1977

CONDITIONS OF APPROVAL, IF ANY:

Cement must be circulated to surface behind 12 3/4" & 8 5/8" casing

Notify N.M.O.C.C. in sufficient time to witness cementing 8 5/8"

NEW MEXICO OIL CONSERVATION COMMISSION

WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section

Operator	Lease	Well No.
READ & STEVENS, INC.	Sanders-State	1

Unit Letter	Section	Township	Range	County
O	36	15 South	26 East	Chaves

Actual Footage Location of Well:
660 feet from the south line and 1980 feet from the east line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage
3451.4	Atoka	Undesignated	320.00

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

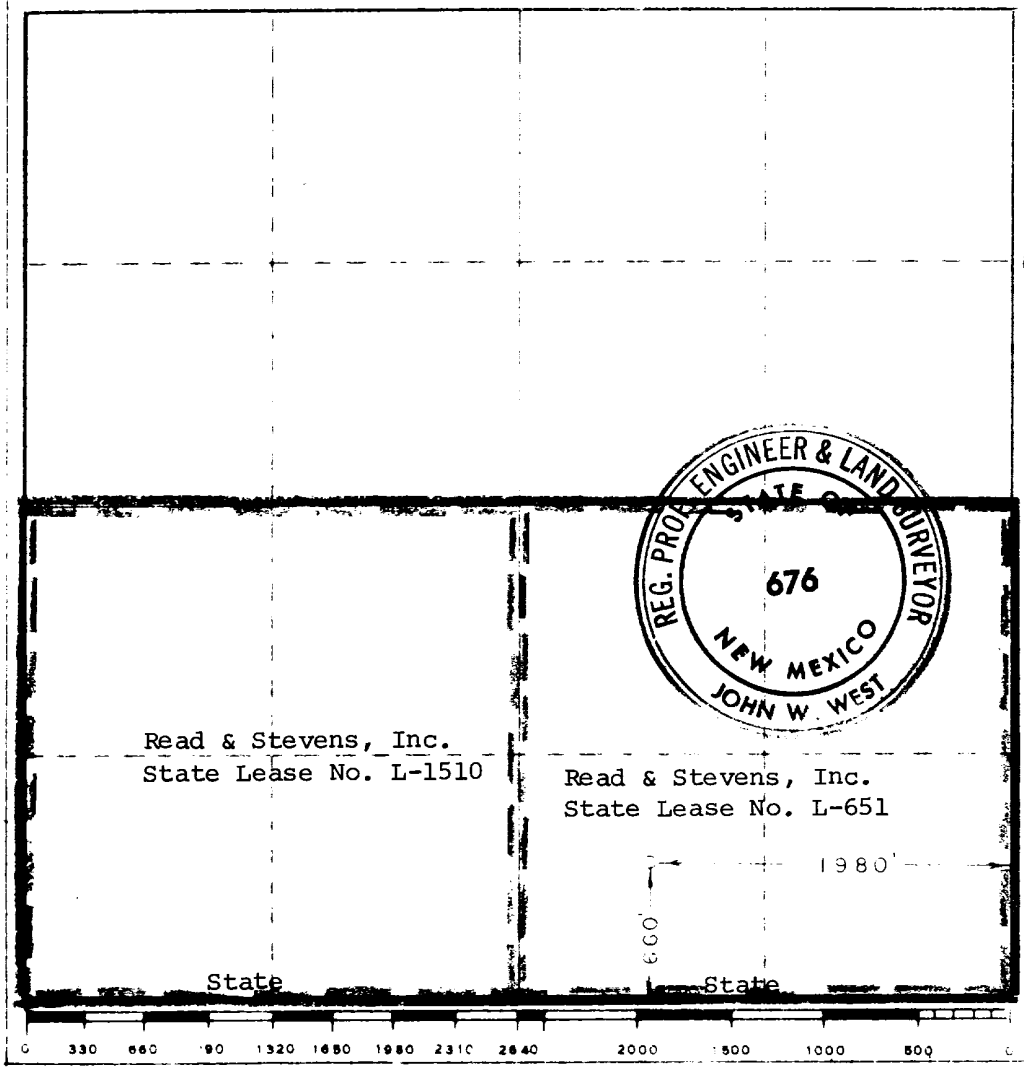
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

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 will be communitized prior to commencing drilling operations.

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.

Name: John L. Anderson, Jr.

Position: Agent

Company: READ & STEVENS, INC.

Date: 12-22-76

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: Dec. 18, 1976

Registered Professional Engineer and/or Land Surveyor: John W West

Certificate No. 676

WEK DRILLING CO., INC. - RIG 2
EQUIPMENT DESCRIPTION

All equipment should be at least 3,000 psi WP or higher unless otherwise specified.

1. Bell nipple.
2. Hydril bag type preventer
3. Ram type pressure operated blowout preventer with blind rams.
4. Flanged spool with one 3-inch and one 2-inch (minimum) outlet.
5. 2-inch (minimum) flanged plug or gate valve.
6. 2-inch by 2-inch by 2-inch (minimum) flanged tee.
7. 3-inch gate valve.
8. Ram type pressure operated blowout preventer with pipe rams.
9. Flanged type casing head with one side outlet.
10. 2-inch threaded (or flanged) plug or gate valve.
    Flanged on 5000# WP, threaded on 3000# WP or less.
11. 3-inch flanged spacer spool.
12. 3-inch by 2-inch by 2-inch by 2-inch flanged cross.
13. 2-inch flanged plug or gate valve.
14. 2-inch flanged adjustable choke.
15. 2-inch threaded flange.
16. 2-inch XXH nipple.
17. 2-inch forged steel 90° Ell.
18. Cameron (or equal.) threaded pressure gage.
19. Threaded flange.
20. 2-inch flanged tee.
21. 2-inch flanged plug or gate valve.
22. 2½-inch pipe, 300' to pit, anchored.
23. 2½-inch SE valve.
24. 2½-inch line to steel pit or separator.

NOTES:

1. Items 3, 4 and 8 may be replaced with double ram type preventer with side outlets between the rams.

2. The two valves next to the stack on the fill and kill line to be closed unless drill string is being pulled.

3. Kill line is for emergency use only. This connection shall not be used for filling.

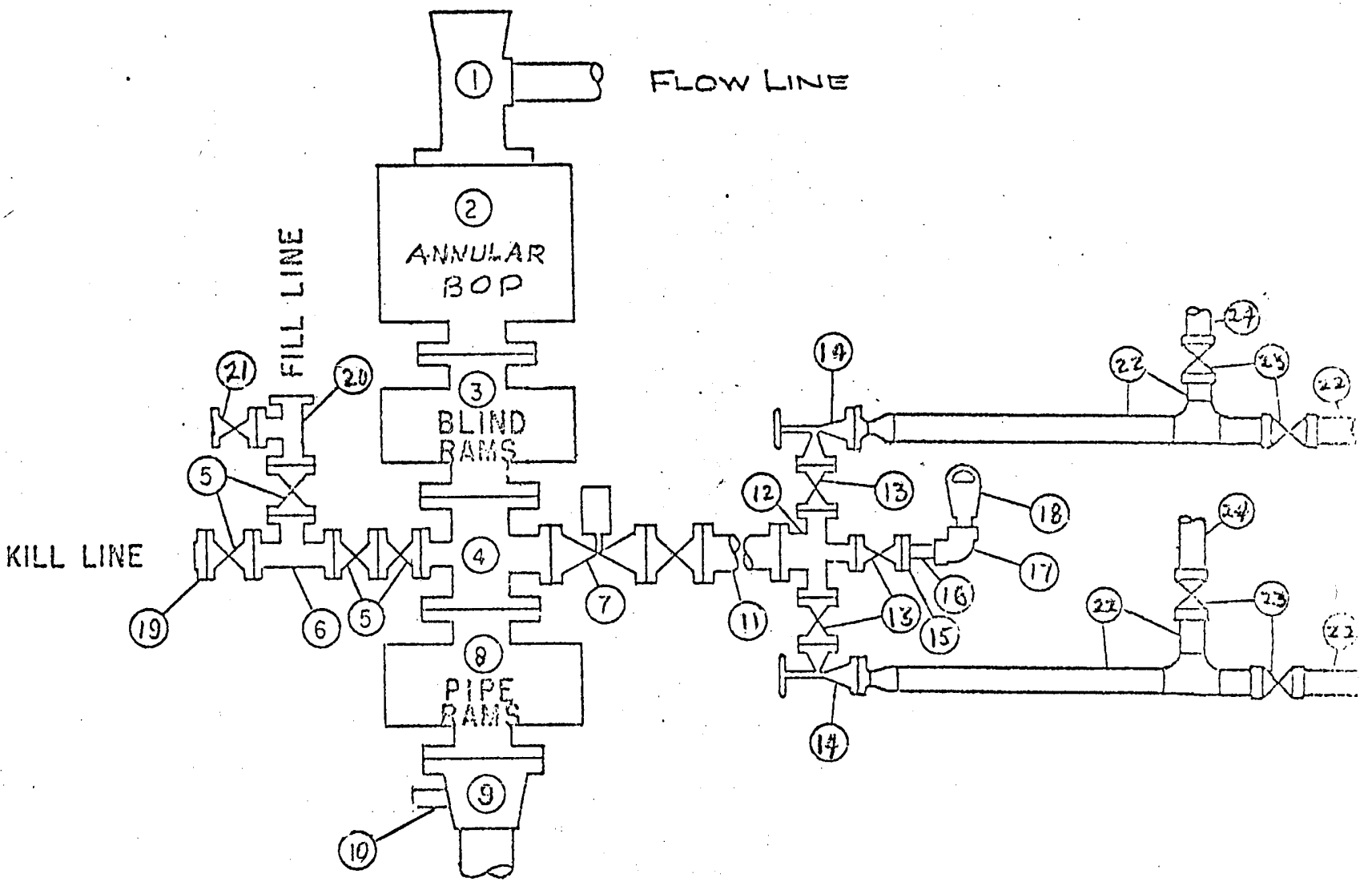
4. Replacement pipe rams and blind rams shall be on location at all times.

5. Only type U, LSW and QRC ram type preventers with secondary seals are acceptable for 5000 psi WP and higher BOP stacks.

6. Type E ram-type BOP's with factory modified side outlets may be used on 3000 psi or lower WP BOP stacks.

WEK DRILLING CO., INC. - Rig 2

BLOWOUT PREVENTER SPECIFICATION



10/15/74

WELL PROGNOSIS

OPERATOR: Read & Stevens, Inc.
WELL: #1 Sanders - State
FIELD & DEPTH: Undesignated - Atoka 8400'
LOCATION: 1980' FEL & 660' FSL Sec. 36, T-15-S, R-26-E, Chaves Co., N.M.
CONTRACTOR: WEK Drilling Company
ELEVATION: 3451.4' GR, 3463' RKB

ESTIMATED FORMATION TOPS

T/San Andres	1190'(+2273)
T/Tubb	3930'(-467)
T/Abo	4680'(-1217)
T/Wolfcamp	5830'(-2367)
T/Cisco	6580'(-3117)
T/Strawn	7500'(-4037)
T/Atoka	7890'(-4427)
T/Mississippian Lime	8240'(-4777)

CASING PROGRAM

Hole Size	Casing Size	Wt. Per Foot	Setting Depth	Cement
17 1/2"	12 3/4"	34# Foster	400'	225 sx. - Circu.
11 1/4"	8 5/8"	24# J-55	1450'	700 sx. - Circu.
7 7/8'	5 1/2"	10.5# & 11.6#	8400'	625 sx.

MUD PROGRAM

0'-4650'	Clear water and native mud unless lost circulation is encountered on surface hole. If circulation is lost then dry drill to 400' and run surface casing. Then use clear water and native mud from 400' to 4650' or top of Abo.
4650'-7400'	Fresh water mud system. Mud wt. 8.5#-9.0#, Vis. 34-36, WL 100.
7400'-8400'	Chemical mud system. Mud wt. 9.0#-9.5#, Vis. 36-46, WL 10.

LOGGING PROGRAM

Run Schlumberger Simultaneous Gamma Ray-Caliper, Compensated Neutron Formation Density as porosity tool with Dual Laterolog as Resistivity tool. Detail from base of 8 5/8" to total depth.

DRILLING PROGRAM

1. Drill 17 1/2" hole to 400' and set 12 3/4", 34#, Foster type, S.T. & C. surface casing. Cement with 125 sx. Class "C" w/2% $CaCl_2$, 1/4# Floseal & 5# gilsonite per sx., followed with 100 sx. Class "C" with 2% $CaCl_2$. Cement will be circulated.

2. Drill 11 1/4" hole from 400' to 1450', or 100' into San Andres. Set 1450' of 8 5/8", 24#, J-55, S.T. & C. casing, cemented with 700 sx. Class "H" cement with 2% $CaCl_2$. Cement will be circulated.

3. Drill 7 7/8" hole from 1450' to 8400'. Use clear water for drilling fluid to 4650'. Use fresh water mud system from 4650' to 7400' with mud wt. 8.5# to 9.0#, Vis. 34-36 and WL 100. From 7400' to 8400' use chemical mud system with mud wt. 9.0#-9.5#, Vis. 36-46, WL 20-10. Run 8400' of 4 1/2", 10.5# & 11.6#, J-55 casing, cemented with 625 sx. Class "C" cement with 3/4 of 1% CFR-2 with 8# salt per sx., preceded by 500 gallons of muc flush ahead of cement, if completion attempt is warranted.

WELL SUPERVISION

Well site supervision will be maintained from surface to total depth. Samples will be caught, washed and sacked from below surface string at 400' to total depth at 10 foot intervals. Mud logging and gas detector unit will be operative from 6800' to total depth. All significant shows of oil and/or gas will be drill stem tested. Mechanically recorded drilling time will be maintained from surface to total depth. Blowout preventor stack and casing head will be independently pressure tested before drilling into the Wolfcamp Formation. A daily check of the blowout preventor system will be made from 6500' to total depth.

2:00 P.M.
12 30 ~ o Called John and discussed the acreage dedication & that the well is within a mile of Lake either Penn. The acreage dedication will be [illegible] up on completion of the well depending on what zone it is comp. in.