

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
ZONES ☐

2. NAME OF OPERATOR

Reese & Jones

3. ADDRESS OF OPERATOR

900 Bank of New Mexico Building, Albuquerque, New Mexico 87102

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface

1650' fsl, 1980' fel

At proposed prod. zone

1650' fsl, 1980' fel

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

19 miles south of Laguna, New Mexico

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any)

1650'

16. NO. OF ACRES IN LEASE

2552.48

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

None

19. PROPOSED DEPTH

4000'

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

6225' GR

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
10-3/4"	8-5/8"	32#	100'	180 sacks
7-7/8"	5-1/2"	11#	4000'	200 sacks

Plan to drill 10-3/4" hole to 100', set 8-5/8" casing @ 100', and circulate cement to surface. Will drill to approximately 4000' total depth to test the Pennsylvanian. If production is encountered, plan to run 5-1/2" casing to total depth and complete by selective perforation.

RECEIVED

FEB 28 1974

U. S. GEOLOGICAL SURVEY
DURANGO, COLO.

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. Also blowout preventer program, if any.

24.

SIGNED

TITLE

Partner

DATE

February 19, 1974

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

**NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form C-102
Supersedes C-101
Effective 1-1-68

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

Operator Reese & Jones		Locality Tecolote		Well No. 1
Unit Letter J	8	6 NORTH	3 WEST	County VALENCIA
Actual Section 1650		SOUTH	1980	EAST
Ground Level (ft.) 6225	Formation Pennsylvanian		Flow Wildcat	Dedicated Acreage 40

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).

One Lease Only

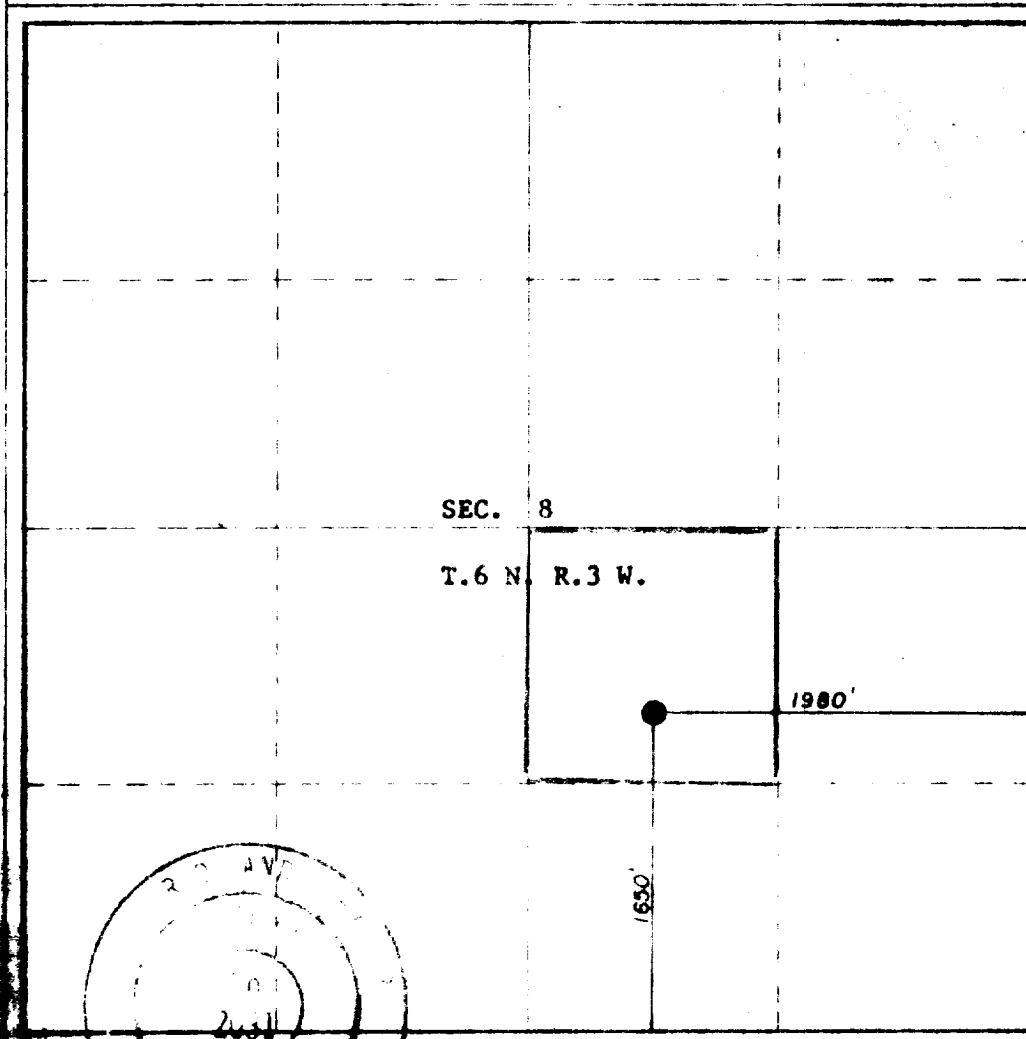
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

One Lease Only

☐ 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 following data appearing herein is true and correct to the best of my knowledge and belief.

[Signature]

Name
Morris B. Jones
Position
Partner

Company
Reese & Jones

Date
February 19, 1974

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.

AUG. 18, 1973

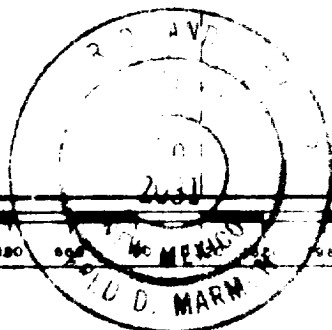
Date Surveyed

Registered Professional Engineer and/or Land Surveyor

[Signature]

Certification

2031



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other in-
structions on
reverse side)Form approved.
Budget Bureau No. 42-R355.6.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ DRY ☒ Other _____		5. LEASE DESIGNATION AND SERIAL NO. NM 11837	
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other _____		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Federal	
2. NAME OF OPERATOR RENSE & SONS		7. UNIT AGREEMENT NAME None	
3. ADDRESS OF OPERATOR 900 Bank of New Mexico Building, Albuquerque, New Mexico		8. FARM OR LEASE NAME Tecolote	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1650' fsl, 1980' fel At top prod. interval reported below 1650' fsl, 1980' fel At total depth 1650' fsl, 1980' fel		9. WELL NO. 1	
14. PERMIT NO. USGS 2-7-74		DATE ISSUED 3-7-74	
15. DATE SPUNDED 4-10-74		16. DATE T.D. REACHED 5-3-74	
17. DATE COMPL. (Ready to prod.) D&A		18. ELEVATIONS (OF BBL, RT, GR, ETC.)* 6225' G1, 6236' E	
20. TOTAL DEPTH, MD & TVD 3512'		21. PLUG, BACK T.D., MD & TVD	
22. IF MULTIPLE COMPL., HOW MANY*		23. INTERVALS DRILLED BY →	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* None		25. WAS DIRECTIONAL SURVEY MADE Yes	
26. TYPE ELECTRIC AND OTHER LOGS RUN Dual Laterolog, Formation Density, Microlog		27. WAS WELL CORED No	
28. CASING RECORD (Report all strings set in well)			
CASING SIZE 8-5/8"	WEIGHT, LB./FT. 28	DEPTH SET (MD) 211'	HOLE SIZE 10-3/4"
CEMENTING RECORD 150 sx Cl B w/25 cc, circulated		AMOUNT PULLED	
29. LINER RECORD			
SIZE None	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*
30. TUBING RECORD		PACKER SET (MD)	
SIZE	DEPTH SET (MD)	PACKER SET (MD)	
31. PERFORATION RECORD (Interval, size and number) None			
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED	
3125-3270'		55 sx cement plug	
1650-1550'		40 sx cement plug	
240-190'		20 sx cement plug	
Surface		10 sx cement plug	
33. PRODUCTION			
DATE FIRST PRODUCTION None		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	
DATE OF TEST		WELL STATUS (Producing or shut-in)	
HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL—BBL. GAS—MCF. WATER—BBL. GAS-OIL RATIO
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL—BBL. GAS—MCF. WATER—BBL. OIL GRAVITY-API (CORR.)
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)			
35. LIST OF ATTACHMENTS None - logs sent direct			
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records			

SIGNED M. S. L. [Signature]TITLE Petroleum EngineerDATE July 15, 1974

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

11-52

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Seals Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

NO CORES. DST #1 2468-2528' (60') recovered 20' mud. Op 30 min weak blow, SI 1 hr. SIP 841-898', PP 26-76%, HP 1171-1225%. DST #2 2584-2614' min run. DST #3 2540-2614' (74') recovered 15' mud. Op 30 min, weak blow and died, shut in 1 hr. SIP 2364', PP 73-79, HP 1250-1250%. DST #4 3310-3350' (40') recovered 30' water and mud, 2217' gas cut mud and water. Op 3 hrs, weak to good blow, SI 1 hr, Op 1 hr with weak blow, SI 1 hr. ISIP 1109%, FSIP 1096%, IFP 11-207', WFP 820-89%, HP 1479-1479%.

37. SUMMARY OF POROUS ZONES:
SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
<u>Neotoma</u> <u>Yeso</u>	0	602'	Interbedded red sh, wh amy, dk brn dol, and org to pk and lt gry sandstone and siltstone. Org to pk sandstones w/red to brn sh and siltstones, some thin-bedded cyp and amy.	Mersta Blanca	602'	602'
<u>Albo</u>	602'	826'	Tk red to org and pk sh and siltstone w/some interbedded limestones near base.	Albo	826'	826'
<u>Pennsylvanian:</u> <u>Red Tanks</u>	1586'	1856'	Tan to gry limestones w/interbedded red sh and some fine grained quartitic sandstone	Red Tanks	1586'	1586'
<u>Atrasado</u>	1856'	2151'	Tan to gry to chalky wh limestones, lt gry to dk gry sh w/some interbedded red sh and interbedded fine grained sandstone.	Atrasado	1856'	1856'
<u>Gray Mesa</u>	2151'	3092'	Wh to brn massive limestones, dk gry sh, some fine grained quartitic sandstones, oil shows.	Gray Mesa	2151'	2151'
<u>Sandia</u>	3092'	3497'	Coarse grained, angular gry to wh porous sandstones and dk gry to blk sh w/some interbedded wh to dk gry limestones, oil shows.	Sandia	3092'	3092'
<u>Pre-Cambrian</u>	3497'	3512' T.O.	Quartzites.	Pre-Cambrian	3497'	3497'

38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
<u>Neotoma</u> <u>Yeso</u>	0	602'	Interbedded red sh, wh amy, dk brn dol, and org to pk and lt gry sandstone and siltstone. Org to pk sandstones w/red to brn sh and siltstones, some thin-bedded cyp and amy.	Mersta Blanca	602'	602'
<u>Albo</u>	602'	826'	Tk red to org and pk sh and siltstone w/some interbedded limestones near base.	Albo	826'	826'
<u>Pennsylvanian:</u> <u>Red Tanks</u>	1586'	1856'	Tan to gry limestones w/interbedded red sh and some fine grained quartitic sandstone	Red Tanks	1586'	1586'
<u>Atrasado</u>	1856'	2151'	Tan to gry to chalky wh limestones, lt gry to dk gry sh w/some interbedded red sh and interbedded fine grained sandstone.	Atrasado	1856'	1856'
<u>Gray Mesa</u>	2151'	3092'	Wh to brn massive limestones, dk gry sh, some fine grained quartitic sandstones, oil shows.	Gray Mesa	2151'	2151'
<u>Sandia</u>	3092'	3497'	Coarse grained, angular gry to wh porous sandstones and dk gry to blk sh w/some interbedded wh to dk gry limestones, oil shows.	Sandia	3092'	3092'
<u>Pre-Cambrian</u>	3497'	3512' T.O.	Quartzites.	Pre-Cambrian	3497'	3497'

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

NM 11837

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Federal

7. UNIT AGREEMENT NAME

Name

8. FARM OR LEASE NAME

Teconote

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Indicant

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Sec 8, T4N, R3W, N4PM

12. COUNTY OR PARISH

W. Lincoln

13. STATE

New Mexico

1.

OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR

Waco & Jones

3. ADDRESS OF OPERATOR

900 Bank of New Mexico Building, Albuquerque, New Mexico

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)

At surface

1450' P.S.I., 1000' G.S.I.

14. PERMIT NO.

W-11837-7

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

6225' G.S.I.

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

(Other) ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

ABANDON* ☐

CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐

FRACTURE TREATMENT ☐

SHOOTING OR ACIDIZING ☐

(Other) ☐

REPAIRING WELL ☐

ALTERING CASING ☐

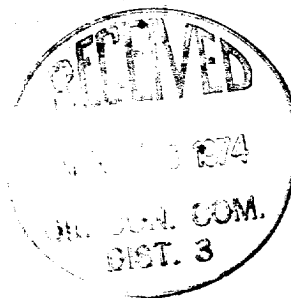
ABANDONMENT* ☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Completed 9:00 P.M. April 10, 1974. Drilled to 280'. Ran 5 jts 8-5/8" 28 casing (177'), set 211' and cemented w/150 sz G.I.B. w/2 calcium chloride. Cement circulated. Plug on bottom 4:30 P.M. April 11, 1974. Waiting on cement.

After 12 hours, tested surface casing w/600 p.s.i. head okay.



18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE

DATE

(This space for Federal or State office use)

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

RECEIVED

APR 15 1974

*See Instructions on Reverse Side

U. S. GEOLOGICAL SURVEY
DURANGO, COLO.

Instructions

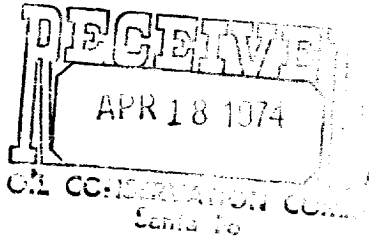
General: This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 17: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by local Federal and/or State offices. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site contained for final inspection looking to approval of the abandonment.

U.S. GOVERNMENT PRINTING OFFICE: 1963—O-685229

847 - 485



APR 18 1974

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