

N. M. D. C. C. COPY
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
Other instructions on
reverse S

Form approved
Budget Bureau No. 42-R1425.

30-005-60376

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

<p>1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/></p> <p>b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/></p> <p>2. NAME OF OPERATOR Musgrave and Thomas ✓</p> <p>3. ADDRESS OF OPERATOR P. O. Box 1743, Abilene, Texas 79604</p> <p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface At proposed prod. zone 660' FN & WL</p> <p>14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 15 miles East of Hagerman, New Mexico</p> <table border="1" style="width: 100%; border-collapse: collapse;"><tr><td style="width: 33%;">15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest driz unit line, if any)</td><td style="width: 33%;">660'</td><td style="width: 33%;">16. NO. OF ACRES IN LEASE 1395.20</td></tr><tr><td>18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.</td><td>None</td><td>19. PROPOSED DEPTH 3500</td></tr></table> <p>21. ELEVATIONS (Show whether DE, RT, GR, etc.) 3638.3' GR.</p>		15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest driz unit line, if any)	660'	16. NO. OF ACRES IN LEASE 1395.20	18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.	None	19. PROPOSED DEPTH 3500	<p>5. LEASE DESIGNATION AND SERIAL NO. NM 87</p> <p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME</p> <p>7. UNIT AGREEMENT NAME</p> <p>8. FARM OR LEASE NAME Sams Ranch</p> <p>9. WELL NO. 1</p> <p>10. FIELD AND POOL, OR WILDCAT Wildcat</p> <p>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 7-T14S-R29E</p> <table border="1" style="width: 100%; border-collapse: collapse;"><tr><td style="width: 50%;">12. COUNTY OR PARISH Chaves</td><td style="width: 50%;">13. STATE N. M.</td></tr></table> <p>17. NO. OF ACRES ASSIGNED TO THIS WELL 40</p> <p>20. ROTARY OR CABLE TOOLS Rotary</p> <p>22. APPROX. DATE WORK WILL START* March 15, 1976</p>	12. COUNTY OR PARISH Chaves	13. STATE N. M.
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12. COUNTY OR PARISH Chaves	13. STATE N. M.									

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8-5/8"	28#	350'	150 sx
7-7/8"	4-1/2"	15 1/2#	3500'	150 sx

Will drill to an approximate depth of 3500' to test the San Andres.
If production is indicated, will set production string of casing and attempt completion.

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 prevention program, if any.

24. SIGNED John L. McClellan TITLE Agent DATE March 1, 1976
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

Verbally 4-28-76
KRE
X-1 Bucher

THIS PERMIT
DOES NOT
EXPIRE
AUG 1976

*See Instructions On Reverse Side

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE LOCATION PLAT

Form 7-1-1
Superseded 6-1-68
Effective 1-1-65

MUSGRAVE & THOMAS

SAMS RANCH

1

D 7 14 S 29 E CHAVES

660 NORTH 660 WEST

Ground level 3638.3' San Andres Wildcat

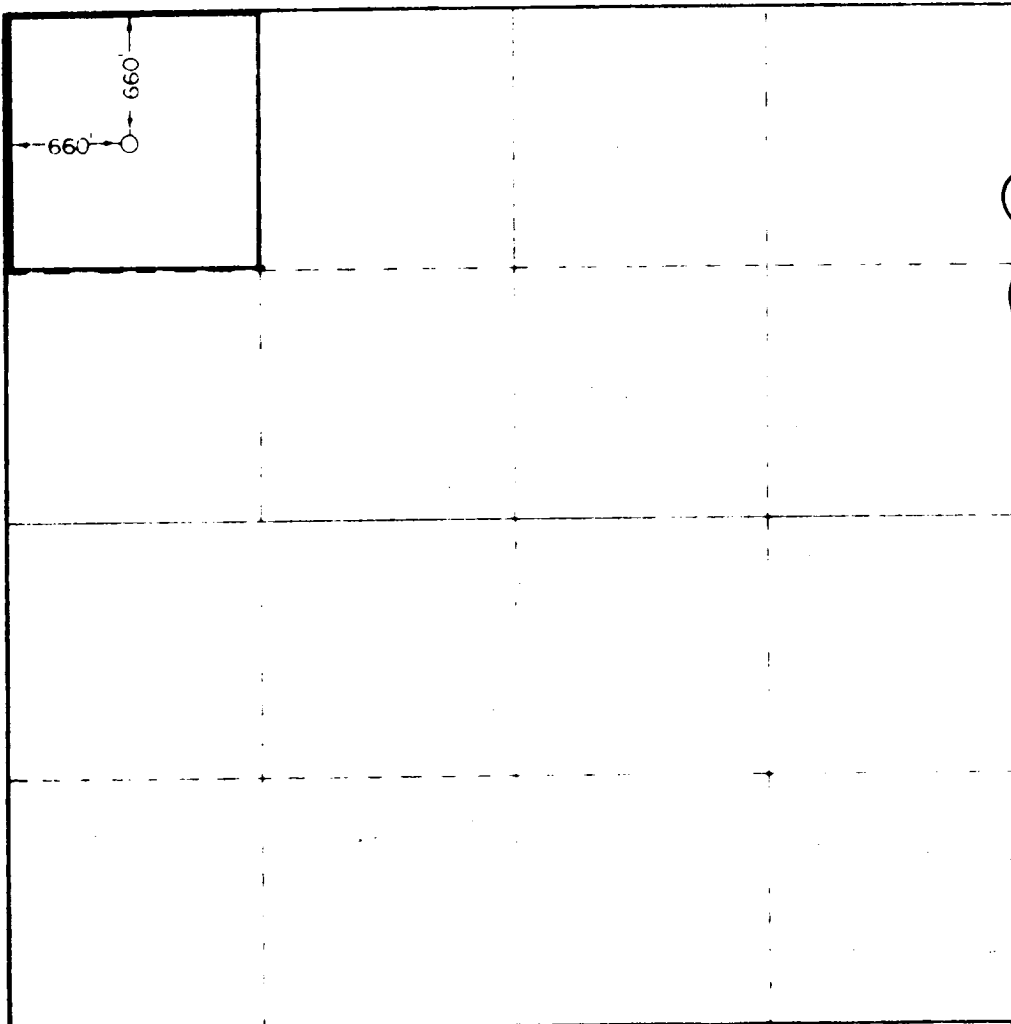
40 39.98

1. Outline the acreage dedicated to the subject well by colored pencil or inkature 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, forced-pooling or

☐ 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 hereon is true and complete to the best of my knowledge and belief.

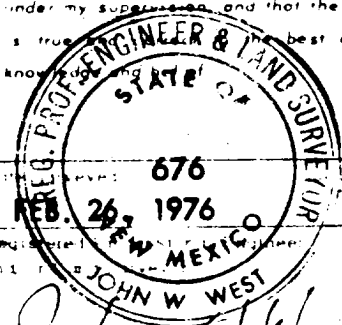
Jack L. McClellan

Agent

Musgrave & Thomas

March 1, 1976

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 to the best of my knowledge.



JOHN W. WEST

676

0 330 660 990 120 660 1980 2310 2640 2970 3300 3630 3960 4290 4620 4950 5280 5610 5940 6270 6600

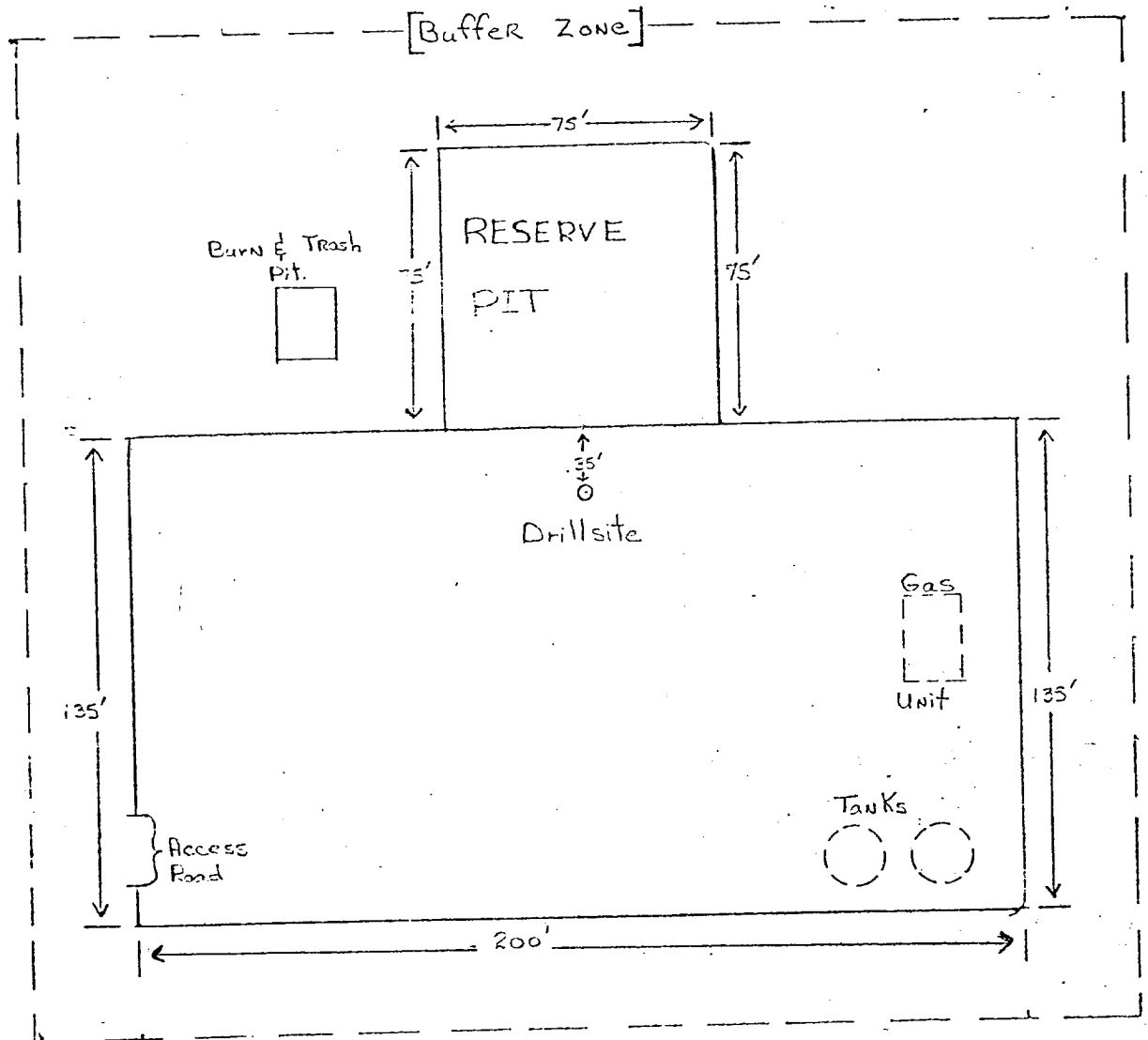
Re: Musgrave & Thomas
Sams Ranch No. 1
660' FN & WL Sec. 7-14S-29E
Chaves County, New Mexico

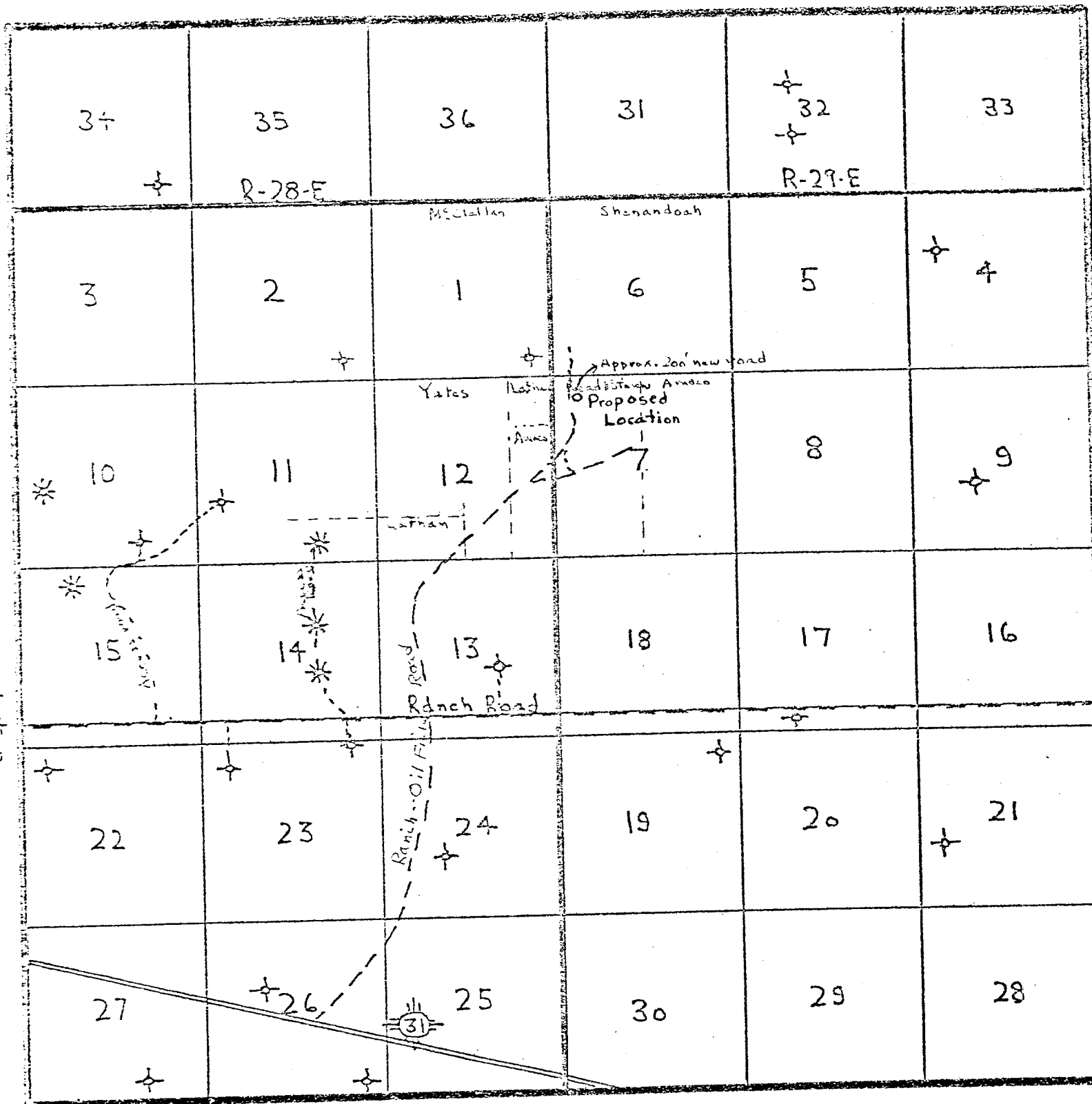
The following is a Plan of Development for Surface use required to drill the proposed well attached to this application:

1. State Highway 31 is approximately $3\frac{1}{2}$ miles South of the proposed location.
2. The proposed road will be the only road into the proposed drillsite. Approximately 200' of road will be constructed.
3. It is possible that other roads will be necessary to the North and West if this test is successful.
4. The production, if achieved, will be pumped into a tank battery adjacent to the lease location pad.
5. Drilling water will have to be trucked in as there is no source of fresh water in this area.
6. After completion of drilling operations all waste will be buried in a separate pit or hauled away.
7. Any produced brine water will be removed by truck in order to prevent contamination of any possible fresh water bearing sands in this area.
8. Application for connection will be made immediately upon completion, if any gas is encountered.
9. An attached development plat indicates location layout, rig plan, etc.
10. In the event a dry hole is achieved, all pits will be filled and the location restored, as near as possible to its original condition.
11. If production is achieved, pad and roads will remain in effect however pits will be filled and restored, as near as possible, to their original condition.
12. National Twin T-20 Draw Works powered by Twin 671 GM Diesel Engines. 97' LCM VC More Mast, 6' substitute. Oilwell 18P $7\frac{1}{2}$ " X 18" Pump powered by twin 671 N GM Diesels. D-175 Emsco 7" X 12" powered by 8-V71N GM Diesel standby pump. $4\frac{1}{2}$ ", 16.60# S.S. Drill Pipe. 10 - 5-5/8" X 5-5/16" X 2-3/8" Drill Collars. Cameron Q. R. C. hydraulic or Schaffer 10" 900 Manuel Blowout Preventers.

Misgrave & Thomas Sams Ranch No. 1
660' FN & WL Section 7-T14S-R29E
Chaves County, New Mexico

↑
NORTH





County CHAVES State NEW MEXICO

Section _____ Township _____ Range _____

Remarks:

INTERIOR
VEY

