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NEW MEXICO OIL CONSERVATION COMMISSION

NOV 8 1979

O. C. C.  
ARTESIA, OFFICE

30-015-23063

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. LG-5162
7. Unit Agreement Name
8. Farm or Lease Name Duffield St. Com.
9. Well No. 1
10. Field and Pool, or Wildcat Riverside (Morrow)
12. County Eddy
19. Proposed Depth 9000'
19A. Formation Morrow
20. Rotary or C.T. Rotary
21. Elevations (Show whether DF, RT, etc.) 3437.9' GR
21A. Kind & Status Plug. Bond Blanket on file
21B. Drilling Contractor Delta Drilling
22. Approx. Date Work will start Nov. 30, 1979

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>
b. Type of Well OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>
2. Name of Operator Texas Oil & Gas Corp. ✓
3. Address of Operator 900 Wilco Building, Midland, Texas 79701
4. Location of Well UNIT LETTER B LOCATED 660 FEET FROM THE North LINE AND 1980 FEET FROM THE East LINE OF SEC. 32 TWP. 16S RGE. 27E NMPM
19. Proposed Depth 9000'
19A. Formation Morrow
20. Rotary or C.T. Rotary
21. Elevations (Show whether DF, RT, etc.) 3437.9' GR
21A. Kind & Status Plug. Bond Blanket on file
21B. Drilling Contractor Delta Drilling
22. Approx. Date Work will start Nov. 30, 1979

23.

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
16"	11-3/4"	42#	350'	400 sxs	Circ
11"	8-5/8"	24#	2800'	1000 sxs	Circ
7-7/8"	4-1/2"	11.6#	9000'	500 sxs	6000'

- 1) Spud 16" hole to TD of 350'. Set 11-3/4", 42#, H-40, ST&C csg @ 350'. Cmt w/400 sxs Cl "C", 2% CaCl. Circ cmt to surf. Cut off 11-3/4" csg. NU Surf. head. Install 3000# test BOP. Test csg to 500#.
- 2) Drill out 11" hole to approx. 2800'. Rn 8-5/8", 24#, K-55, ST&C csg set @ 2800'. Cmt w/approx. 1000 sxs Cl "H". Circ cmt to surf. Cut off 8-5/8" csg. Install intermediate surface head & 3000# test BOP. Test csg to 1500#. Drill out cmt.
- 3) Drill 7-7/8" hole to TD of 9000'. Run open hole logs. If commercial producer, run 4 1/2" csg set @ 9000'. Cmt w/approx. 500 sxs cmt w/estimated TOC @ 6000'.

Gas is not dedicated.

APPROVAL VALID  
FOR 90 DAYS UNLESS  
DRILLING COMMENCED,

EXPIRES 2-14-80

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 Cecil Pearce Title Drilling Superintendent Date October 25, 1979

(This space for State Use)

APPROVED BY W. A. Gressett TITLE SUPERVISOR, DISTRICT II DATE NOV 14 1979

CONDITIONS OF APPROVAL, IF ANY:

Cement must be circulated to  
surface behind 11 3/4" & 8 7/8" casing

Notify N.M.O.C.C. in sufficient  
time to witness cementing  
8 7/8" casing

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O.C.D. HOBBS, OFFICE

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 <b>TEXAS OIL &amp; GAS CORPORATION</b>		Lease <b>DUFFIELD St. Com.</b>		Well No. <b>1</b>	
Unit Letter <b>B</b>	Section <b>32</b>	Township <b>16 SOUTH</b>	Range <b>27 EAST</b>	County <b>EDDY</b>	
Actual Footage Location of Well: <b>660</b> feet from the <b>NORTH</b> line and <b>1980</b> feet from the <b>EAST</b> line					
Ground Level Elev. <b>3437.9</b>	Producing Formation <b>Morrow</b>	Pool <b>Riverside</b>	Dedicated Acreage: <b>320</b> 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.

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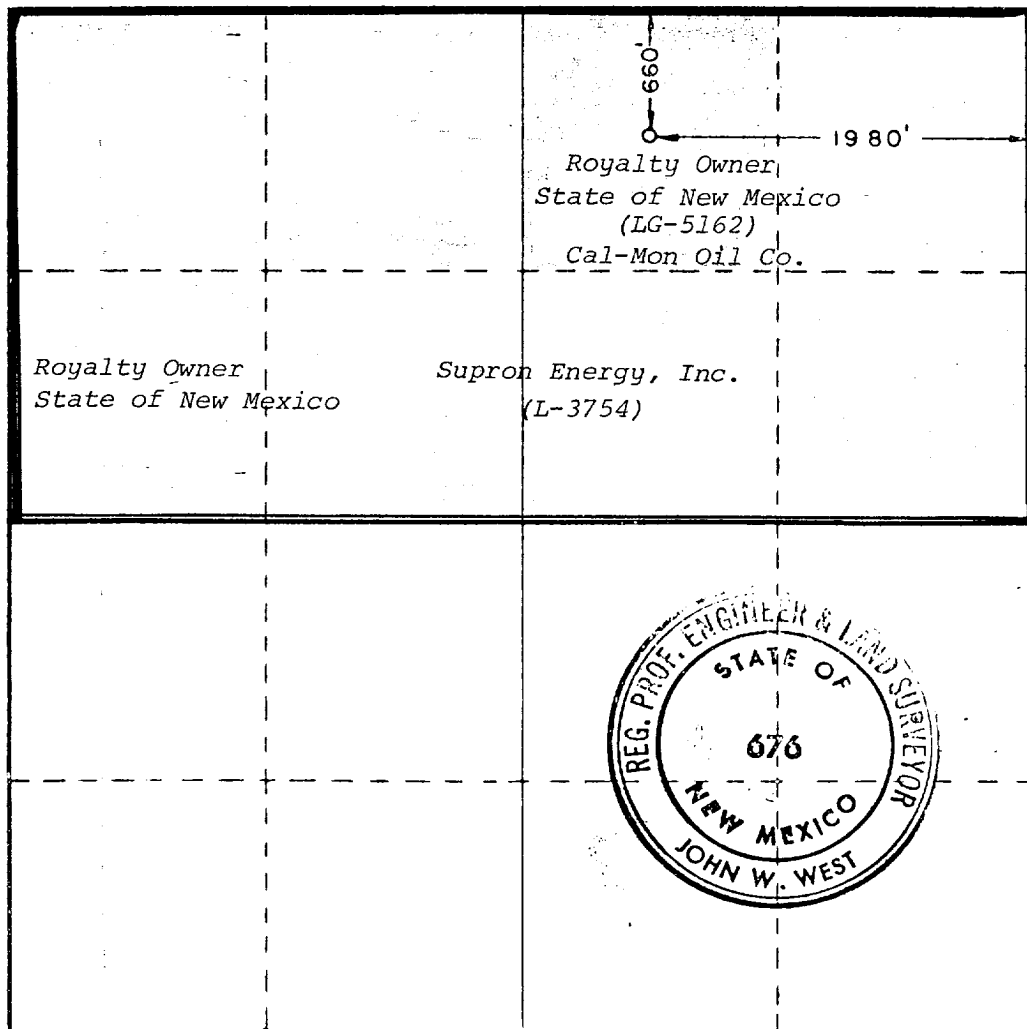
**NOV - 8 1979**

**O. C. C.  
ARTESIA, OFFICE**

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

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  
**Cecil Pearce**

Position  
**Drilling Superintendent**

Company  
**Texas Oil & Gas Corp.**

Date  
**October 25, 1979**

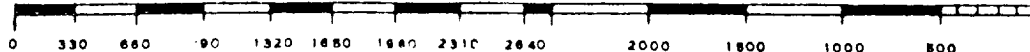
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed  
**AUGUST 15, 1979**

Registered Professional Engineer and/or Land Surveyor

**John W. West**

Certificate No. **John W. West** 575  
**Ronald J. Eldson** 3230



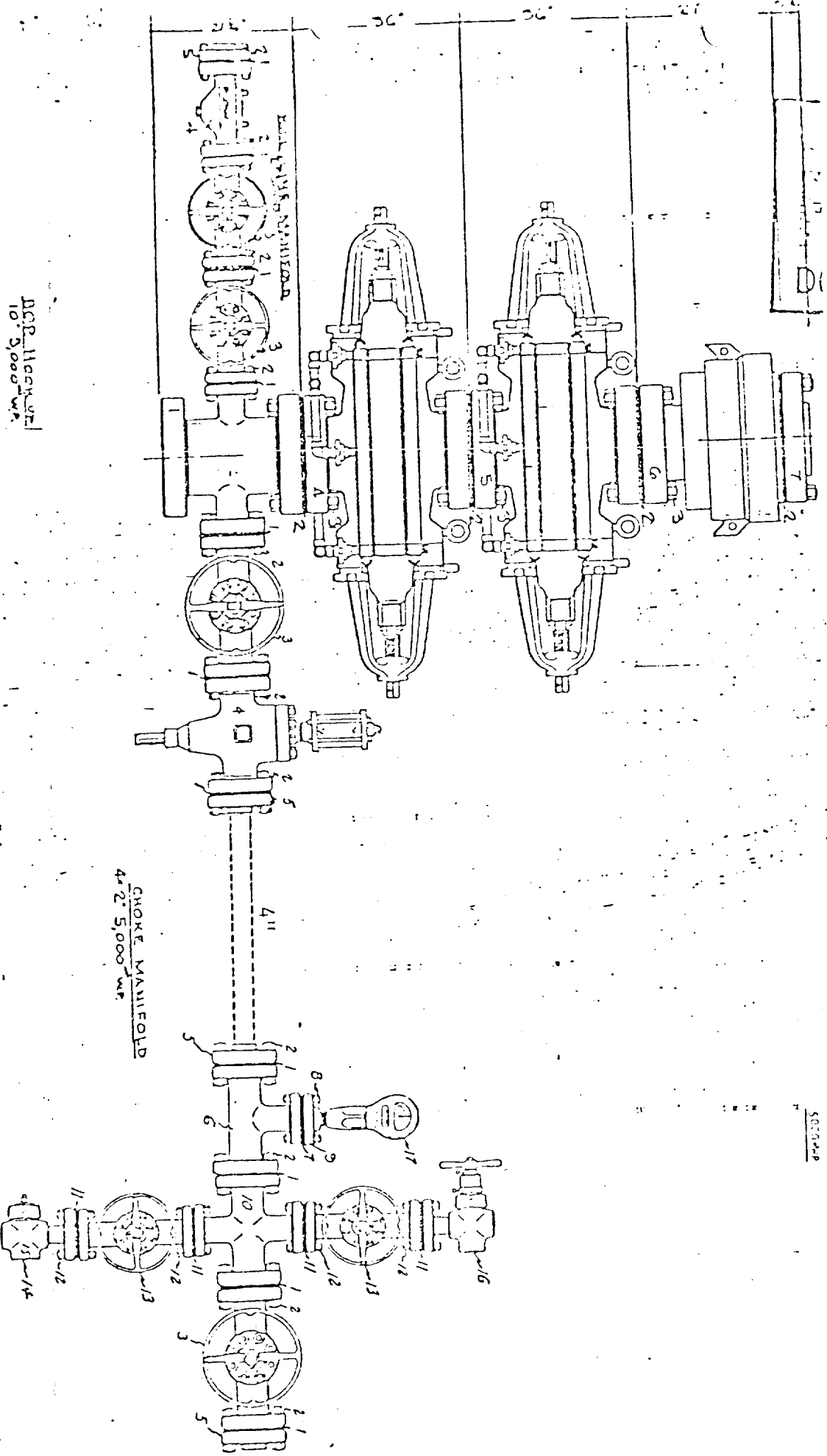
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O.C.D., HOBBS, OFFICE

**BLOWOUT PREVENTER SKETCH**  
**DUFFIELD STATE COM. #1**  
**Eddy County, New Mexico**

- 1 - QRC Cameron; 10"; 1500 series; 5,000 lbs. W.P.; double B.O.P.
- Choke Manifold; 1 1/2"; 1500 series; 5,000 lbs. W.P.; w/Cameron hydraulic valve.
- 1 - Positive; 1 - Adjustable choke
- 1 - Kooimey Accumulator; 7 Station w/remote control stand; 3,000 lbs. P.S.I.
- 1 - 12"; 900 series; 3,000 lbs. P.S.I.; double Shaffer B.O.P.; to be used for drilling intermediate hole



DCR. HOGUE  
 10-5,000 W.P.

PROPERTY OF CAMERON IRON WORKS, INC. DIVISION-1950		
DATE	NO. 52	SCALE
BY	DATE	BY

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TEXAS OIL & GAS CORP.

900 WILCO BUILDING

MIDLAND, TEXAS 79701

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O. C. C.  
ARTESIA, OFFICE

November 5, 1979

New Mexico Oil Conservation  
Commission  
District I  
P. O. Box 1980  
Hobbs, New Mexico 88240

Re: Duffield State Com. #1  
Eddy County, New Mexico

Gentlemen:

Enclosed are corrected Forms C-101 and C-102 for your approval. Application has been made for changes in the Riverside (Morrow) gas pool spacing rules to agree with the spacing indicated on the previously mentioned forms.

We elect to maintain the casing program shown in order to alleviate drilling problems which might occur.

Thank you for your assistance in this matter.

Sincerely,



Cecil Pearce  
Drilling Superintendent

CP/mcw  
Attachments

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O.C.D. HOBBS, OFFICE





STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT  
OIL CONSERVATION DIVISION  
ARTESIA DISTRICT OFFICE

BRUCE KING  
GOVERNOR  
LARRY KEHOE  
SECRETARY

P.O. DRAWER DD  
ARTESIA, NEW MEXICO 88210  
(505) 746-4861

October 31, 1979

Texas Oil & Gas Corporation  
900 Wilco Building  
Midland, Texas 79701

Re: Duffield State Com.  
#1-B-32-16-27  
Eddy County, N.M.

Gentlemen:

We are returning the enclosed Forms C-101 and C-102 on the subject well for corrections and additional information.

This well is located less than one mile from the boundary of the Riverside Morrow Gas Pool which is on 160-acre spacing. Therefore, the well should have 160 acres dedicated to it or make application to Santa Fe to get the spacing changed.

On Form C-101 show the State Lease Number, change the pool name, show if the gas is or is not dedicated, and approximately 1400' of 8 5/8" is all that will be required.

On Form C-102 change the pool name, dedicated acreage and show the royalty owners.

If you have any questions concerning this matter, feel free to contact me.

Sincerely,

W. A. Gressett  
Supervisor, District II

WAG:ar  
Encls.