

OIL CONSERVATION DIVISION  
P. O. BOX 2088  
SANTA FE, NEW MEXICO 8750130-615-25921  
Form C-101  
Revised 10-1-78

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SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

5A. Indicate Type of Lease	
STATE <input type="checkbox"/>	FEE <input checked="" type="checkbox"/>
5. State Oil & Gas Lease No.	

## 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"/>		7. Unit Agreement Name
b. Type of Well OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		8. Farm or Lease Name Shepherd & Kelsey "C"
2. Name of Operator Pioneer Production		9. Well No. #1
3. Address of Operator P O Box 208, Farmington, NM 87499		10. Field and Pool, or Wildcat Otero Chacra
4. Location of Well UNIT LETTER M LOCATED 790 FEET FROM THE South LINE AND 1130 FEET FROM THE West LINE OF SEC. 29 TWP. 29N RGE. 11W NMPM		12. County San Juan
19. Proposed Depth 3060'		19A. Formation Chacra
20. Rotary or C.T. Rotary		
21. Elevations (Show whether DF, RT, etc.) 5406' GL	21A. Kind & Status Plug. Bond State Wide	21B. Drilling Contractor Four Corners Drilling
22. Approx. Date Work will start April 1, 1984		

## 23. 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#	200'	147 cf	surface
7-7/8"	4-1/2"	10.5#	3060'	830 cf	surface

Plan to drill with spud mud, set 200' of 8-5/8" OD, 24# surface casing. Will then drill with a water-mud-gel mixture through the Chacra formation. Plan to run IES and CDL logs, and if deemed productive, will run 4 1/2" OD, 10.5# casing & cement in 1 stage. Will selectively perforate Chacra formation, frac, clean out after frac, and complete well.

GAS IS DEDICATED.

APPROVAL EXPIRES 7-4-84  
UNLESS DRILLING IS COMMENCED.  
SPUD NOTICE MUST BE SUBMITTED  
WITHIN 10 DAYS.

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MAR 14 1984  
OIL CON. DIV.  
DIST. 3

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 Sherman E. Dugan Title Geologist Date 3-12-84

(This space for State Use)

APPROVED BY Frank D. Gray TITLE SUPERVISOR DISTRICT # 3 DATE MAR 14 1984

CONDITIONS OF APPROVAL, IF ANY:

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

Operator <b>Pioneer Production Corporation</b>		Lease <b>Sheppard Kelsey C</b>		Well No. <b>1</b>
Unit Letter <b>M</b>	Section <b>29</b>	Township <b>29 North</b>	Range <b>11 West</b>	County <b>San Juan</b>
Actual Footage Location of Well:				
<b>790</b>	feet from the <b>South</b>	line and <b>1130</b>	feet from the <b>West</b>	line
Ground Level Elev. <b>5406</b>	Producing Formation <b>Chacra</b>	Pool <b>Otero Chacra</b>	Dedicated Acreage: <b>160</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?

☐ 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 Division.

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MAR 14 1984

OIL CON. DIV.  
DIST. 3

SEC 29

1130

790

PIONEER PROD.  
Fee Lease

CERTIFICATION

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

*Sherman E. Dugan*

Name

Sherman E. Dugan

Position

Geologist

Company

Dugan Production Corp.

Date

3-8-84

I hereby certify that the location shown on this plat was checked from field notes of actual survey 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

February 23, 1984

Registered Professional Engineer  
and/or Land Surveyor

*Edgar L. Risenhoover*

Certificate No. 5979

Edgar L. Risenhoover, L.S.