

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CONTACT READING
OFFICE FOR NUMBER
OF COPIES REQUIRED
(Other instructions on
reverse side)

30-025-31615
BLM Roswell District
Modified Form No.
NMD60-3160-2

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 ZONE ☐

2. NAME OF OPERATOR

STRATA PRODUCTION COMPANY

3a. Area Code & Phone No.
505-622-1126

3. ADDRESS OF OPERATOR

POST OFFICE BOX 1030, ROSWELL, NM 88202

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

At surface
1650' FWL & 2310' FNL Unit F
At proposed prod. zone
Delaware

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

35 miles east of Carlsbad, NM

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any) 1650'

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT. 1320'

16. NO. OF ACRES IN LEASE

640.0

17. NO. OF ACRES ASSIGNED

TO THIS WELL 40.0

19. PROPOSED DEPTH

8750'

20. ROTARY OR CABLE TOOLS

Rotary

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

3758' GR

22. APPROX. DATE WORK WILL START*

July 8, 1992

PROPOSED CASING AND CEMENTING PROGRAM

HOLE SIZE	CASING SIZE	WEIGHT/FOOT	GRADE	THREAD TYPE	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	13 3/8"	48#	H-40	8 RD ST&C	600'	Circ
11 "	8 5/8"	28 & 24#	J-55	8 RD ST&C	4460'	600' inside surf csc
7 7/8"	5 1/2"	17#	J-55	8 RD LT&C	8750'	tie back to intermediate csg

SEE STIPS

- A. Will drill to a depth sufficient to test Delaware formation
B. Mud Program: 0'- 580' Native Mud
580'-4460' Brine
4460'-6800' Cut Brine 70-80K Chloride
6800'- TD Cut Brine & Starch, WL=15-25, Vis 31
C. BOP will be installed-See Exhibit "D" attached
D. Logs to be run: CNL/FDC, DLL/MSFL, GR/Neutron

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL stipulations
ATTACHED

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 preventer program, if any.

SIGNED Régina Jivley

TITLE Production Records/Land Mgr DATE May 14, 1992

(This space for Federal or State office use)

PERMIT NO. _____

APPROVAL DATE _____

APPROVED BY _____

TITLE _____

DATE 6-11-92

*See Instructions On Reverse Side

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

Submit to Appropriate
District Office
State Lease - 4 copies
Fee Lease - 3 copies

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator STRATA PRODUCTION			Lease PAISANO FEDERAL		Well No. 2
Unit Letter F	Section 15	Township 22 SOUTH	Range 32 EAST	County LEA COUNTY, NM	
Actual Footage Location of Well: 1650 feet from the WEST line and 2310 feet from the NORTH line			Dedicated Acreage: 40.0 Acres		
Ground level Elev. 3758.	Producing Formation Delaware		Pool East Livingston Ridge		

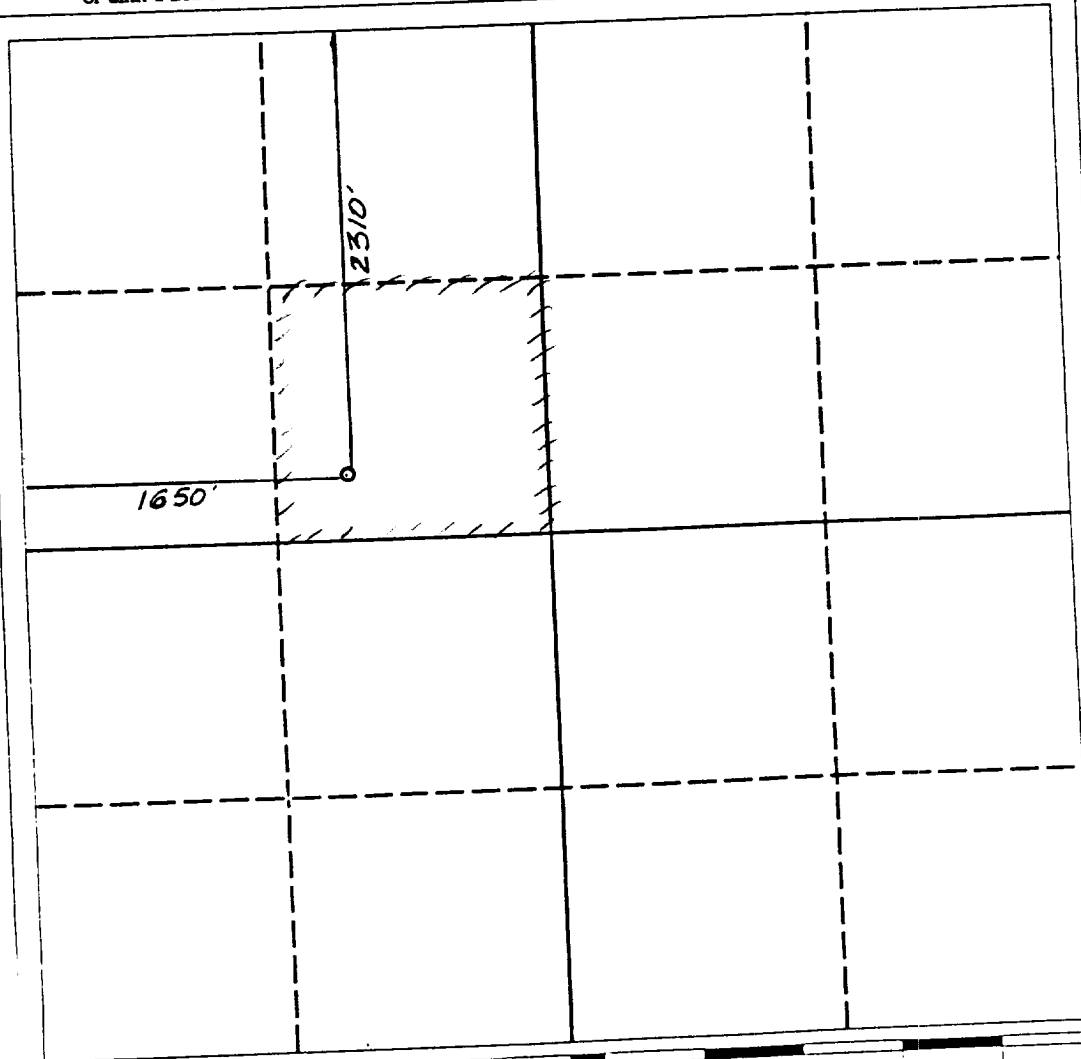
1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.

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 interest 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 interest, has been approved by the Division.



OPERATOR CERTIFICATION

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

Signature

Regina Finley

Printed Name

REGINA FINLEY

Position

PRODUCTION RECORDS/LAND MGR

Company

STRATA PRODUCTION COMPANY

Date

May 14, 1992

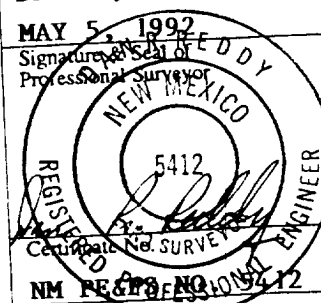
SURVEYOR CERTIFICATION

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

MAY 5, 1992

Signature and Seal of Professional Surveyor



NM REG. ENG. NO. 5412

NOTE PROGRAMS
APPLICATION FOR PERMIT TO DRILL
STRATA PRODUCTION COMPANY
PAISANO FEDERAL #2 WELL
1550' FWL & 2210' FWL
SECTION 14, T22N, R32E

In conjunction with form 3160-3, Application for Permit to Drill, Strata Production Company submits the following items in accordance with Onshore Oil and Gas Order Numbers 1 & 2, and with all other applicable Federal and state regulations.

1. The Geologic surface formation is of Permian Age.
2. Estimated tops of geologic markers are as follows:

Rustler	370'	Bone Spring	3610'
Top of Salt	1020'	T.D.	3750'
Base of Salt	4410'		
Lamar	4720'		

3. The estimated depths at which water, oil or gas formations are expected to be encountered are:

*Water: 150'
**Oil or Gas: Delaware 4720' - 3750'

- * NOTE: Groundwater to be protected by 15 3/8" surface casing with cement circulated to the surface.
**NOTE: Potentially productive horizons to be protected by 5 1/2" production casing with cement tied back to intermediate casing.

4. Casing Program: (See Form 3160-3)
5. Pressure Control Equipment: See Exhibit "D", BOP diagram.
6. Mud Program: See Application to Drill 3160-3.
7. Auxiliary Equipment: None required.
8. Testing, Logging, and Coring Program:

Yes (X) - a Mudlogging unit from top of Delaware to TD
DIL-MDTL, CNL-Density, Gamma Ray, Caliper.

9. Geopressure, Temperature, or other Hazards:

None of recordable is possible in the Delaware section of the hole, however, no loss was seen in the recent drilling of offsetting wells.

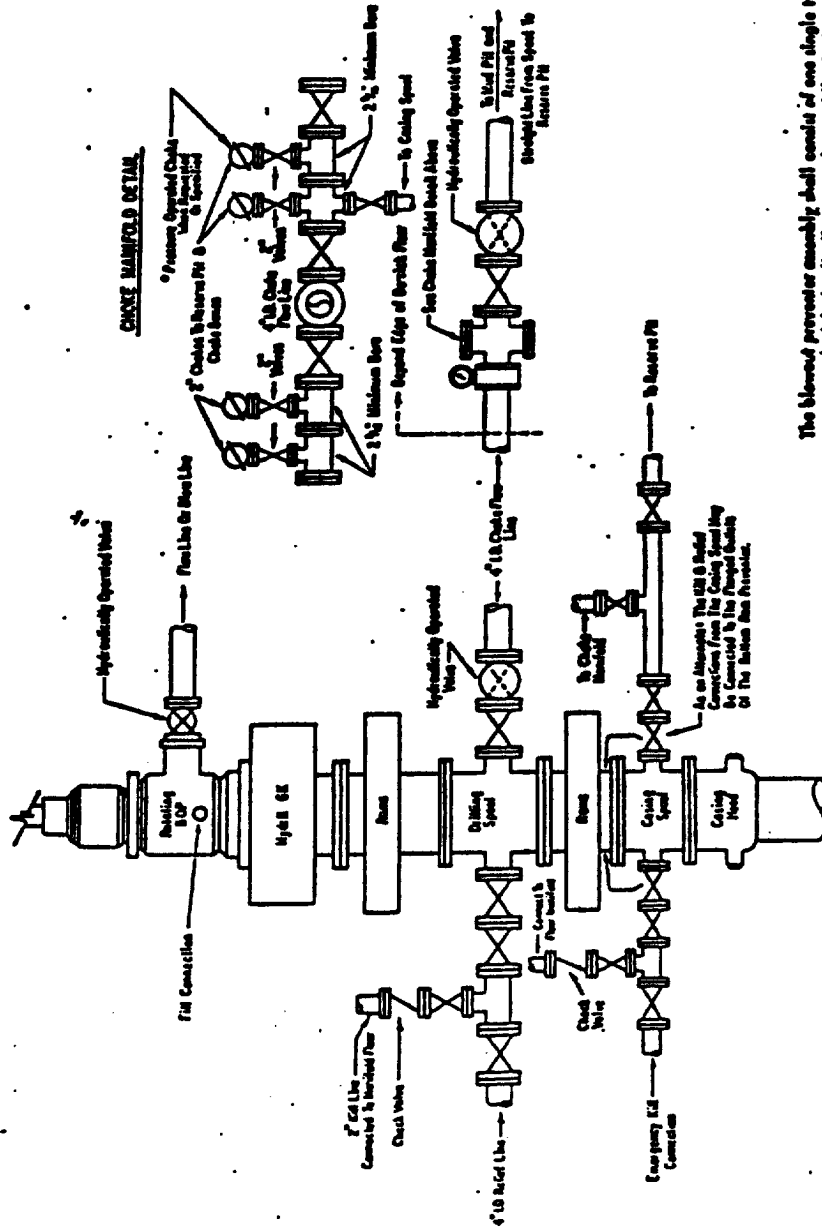
10. Anticipated start & dates: July 3, 1971

See the location of operations.

Drilling: 25 days

Completion: 12 days

ADDITIONS-DELETIONS-CHANGES SPECIFY	
--	--



5000 # PSI WORKING PRESSURE BLOWOUT PREVENTER HOOK-UP

The blowout preventer assembly shall consist of one single type blind ram preventer and one single type pipe ram preventer, both hydraulically operated by a Hydril "GK" system, a rotating blowout preventer, valve chokes and connections, as illustrated. If a tapered drill string is used, a ram preventer must be provided for each size of drill pipe. Casing and tubing runs to fit the preventer are to be available as needed. If correct in size, the flanged outlet of the ram preventer may be used for connecting to the 4-inch I.D. choke flow line and 4-inch I.D. relief line, except when air or gas drilling. All preventer connections are to be open-face flanged.

Minimum operating equipment for the preventer and hydraulically operated valves shall be as follows: (1) Multiple pumps, driven by a continuous source of power, capable of fluid charging the total accumulator volume from the nitrogen precharge pressure to its rated pressure within _____ minutes. Also, the pumps are to be connected to the accumulator precharge pressure of not less than 750 PSI and connected to it so as to resolve the aforementioned fluid charge. With the charging pumps shut down, the pressurized fluid volume stored in the accumulator must be sufficient to close all the pressure-operated devices simultaneously within _____ seconds after closure, the remaining accumulator pressure shall be not less than 1000 PSI with the remaining accumulator fluid volume of less than _____ percent of the original. (3) When required, an additional source of power, remote and equivalent, is to be available to operate the above pumps or these shall be additional pumps operated by separate power and equal in performance capabilities.

The closing manifold and remote closing manifold shall have a separate control for each pressure-operated device. Controls are to be labeled, with control handles indicating open and closed positions. A pressure reducer and regulator must be provided for operating the Hydril preventer. When required, a second pressure reducer shall be available to limit operating fluid pressure to ram preventers. A pressure reducer, an equivalent or better, is to be used as the fluid in operates the hydraulic equipment.

The choke manifold, choke flow line, relief line, and choke lines are to be supported by metal stands and adequately anchored. The choke flow line, relief line, and choke lines shall be constructed as straight as possible and without sharp bends. Easy and safe access is to be maintained to the choke manifold. If deemed necessary, walkways and stairways shall be erected in and around the choke manifold. All valves are to be selected for operation in the presence of oil, gas, and drilling fluids. The choke flow line valves and relief line valves connected to the drilling spool and all ram type preventers must be equipped with stem extensions, universal joints if needed, and hand wheels which are to extend beyond the edge of the derrick substructure. All other valves are to be equipped with handles.