

30025-30833

KEN REYNOLDS--PRESIDENT
ARNIE NEWKIRK--VICE-PRESIDENT



DRILLING CO., INC. - OIL WELL DRILLING CONTRACTORS

P. O. BOX 1498 ROSWELL, NEW MEXICO 88202-1498
505/623-5070 ROSWELL, NM
505/746-2719 ARTESIA, NM

April 15, 1990

Strat Production Company
648 Petroleum Building
Roswell, N.M. 88201

REF: New Mexico "A" Fed #3 *660/N + 200/W 4-21-32*

Gentlemen:

The following is a Deviation Survey on the above referenced well located in Lea County, New Mexico.

483' - 1/4°	3252' - 1 1/4°	5045' - 1 1/2°
775' - 1/2°	3360' - 2°	5539' - 2°
1067' - 1/2°	3546' - 3°	6031' - 2°
1791' - 3/4°	3667' - 2 1/4°	6526' - 2 1/4°
2286' - 1°	4160' - 1 3/4°	7018' - 2 1/2°
2775' - 3/4°	4571' - 1 1/2°	7150' - 2 1/2° TD
3207' - 1°		

STATE OF NEW MEXICO)
COUNTY OF CHAVES)

Sincerely,
Arnold Newkirk
Arnold Newkirk
Vice-President

The foregoing was acknowledged before me this 16th day of April 1990 by Arnold Newkirk.

MY COMMISSION EXPIRES
October 07, 1992

NOTARY PUBLIC

Submit 5 Copies
 Appropriate District Office
 DISTRICT I
 P.O. Box 1980, Hobbs, NM 88240

State of New Mexico
 Energy, Minerals and Natural Resources Department

Form C-104
 Revised 1-1-89
 See Instructions
 at Bottom of Page
RECEIVED

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

OIL CONSERVATION DIVISION

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

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

**REQUEST FOR ALLOWABLE AND AUTHORIZATION
 TO TRANSPORT OIL AND NATURAL GAS**

MAY 15 1990

I. OPERATOR

Operator Strata Production Company	Well API No. 30-025-30833
Address 648 Petroleum Bldg., Roswell, New Mexico 88201	
Reason(s) for Filing (Check proper box)	
New Well <input checked="" type="checkbox"/>	Change in Transporter of:
Recompletion <input type="checkbox"/>	Oil <input type="checkbox"/> Dry Gas <input type="checkbox"/>
Change in Operator <input type="checkbox"/>	Casinghead Gas <input type="checkbox"/> Condensate <input type="checkbox"/>
If change of operator give name and address of previous operator _____	

II. DESCRIPTION OF WELL AND LEASE

Lease Name New Mexico "A" Federal	Well No. 3	Pool Name, Including Formation Hat Mesa Delaware	Kind of Lease State, Federal or Other	Lease No. NM14791
Location				
Unit Letter C	660'	Feet From The North Line and	2100'	Feet From The West
Section 4	Township 21S	Range 32E	, NMPM, Lea	

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input checked="" type="checkbox"/> or Condensate <input type="checkbox"/> Navajo Refining Company	Address (Give address to which approved copy of this form is to be sent) PO Box 159, Artesia, NM 88210			
Name of Authorized Transporter of Casinghead Gas <input checked="" type="checkbox"/> or Dry Gas <input type="checkbox"/> Delaware Natural Gas	Address (Give address to which approved copy of this form is to be sent) 9111 Jollyville #215, Austin, TX 78759			
If well produces oil or liquids, give location of tanks.	Unit F	Sec. 4	Twp. 21	Rge. 32
If this production is commingled with that from any other lease or pool, give commingling order number: _____		Is gas actually connected? Yes	When? 10-5-89	

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well <input checked="" type="checkbox"/>	Gas Well	New Well <input checked="" type="checkbox"/>	Workover	Deepen	Plug Back	Same Res'v	Diff. Res'v
Date Spudded 3-15-90	Date Compl. Ready to Prod. 5-2-90	Total Depth 7150'	P.B.T.D.					
Elevations (DF, RKB, RT, GR, etc.) 3651' GR	Name of Producing Formation Delaware	Top Oil/Gas Pay 6612'	Tubing Depth 6538'					
Perforations 6612' - 6722'	Depth Casing Shoe							

TUBING, CASING AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
12 1/4"	8 - 5/8" 24#	1342'	410sx"Lite 200sx"
7 7/8"	5 - 1/2" 17 & 15.5#	7150'	540sx"Poz" 1900sx"
5 1/2"	2 - 7/8" TBG J-55	6538'	

V. TEST DATA AND REQUEST FOR ALLOWABLE

OIL WELL (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

Date First New Oil Run To Tank 5-2-90	Date of Test 5-10-90	Producing Method (Flow, pump, gas lift, etc.) Pumping	
Length of Test 24 hours	Tubing Pressure	Casing Pressure 40#	Choke Size
Actual Prod. During Test 118 BTF	Oil - Bbls. 60	Water - Bbls. 196	Gas - MCF 68

GAS WELL

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (puot, back pr)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

VI. OPERATOR CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

James G. McClelland
 Signature
James G. McClelland Vice-President
 Printed Name
5-11-90 Date
505-622-1127 Telephone No.

OIL CONSERVATION DIVISION

Date Approved **MAY 22 1990**

By **JERRY SEXTON**
 ORIGINAL SIGNED BY JERRY SEXTON
 DISTRICT I SUPERVISOR

Title _____

- INSTRUCTIONS:** This form is to be filed in compliance with Rule 1104
- 1) Request for allowable for newly drilled or deepened well must be accompanied by tabulation of deviation tests taken in accordance with Rule 111.
 - 2) All sections of this form must be filled out for allowable on new and recompleted wells.
 - 3) Fill out only Sections I, II, III, and VI for changes of operator, well name or number, transporter, or other such changes.
 - 4) Separate Form C-104 must be filed for each pool in multiply completed wells.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

5. LEASE DESIGNATION AND SERIAL NO.

NM 14791

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

New Mexico "A" Federal

9. WELL NO.

3

10. FIELD AND POOL, OR WILDCAT

Hat Mesa Delaware

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

Sec 4, T-21-S, R-32-E

12. COUNTY OR PARISH

Lea

13. STATE

NM

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
Strata Production Company

3. ADDRESS OF OPERATOR
648 Petroleum Building Roswell, NM 88201

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

660'/N and 2100'/W

Unit 2

14. PERMIT NO.
30-025-30833

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
3651' GR

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) setting casing

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.)*

1. Set surface casing:
 - A) 31 JTS of 24#, 8-5/8" J-55 to 1342'.
 - B) Cemented w/ 410 sx "Lite" and 200 sx "B".
 - C) Circ. 80 sx to Sfc. PD 8:45 AM, 3-17-90.
2. Set production casing:
 - A) 173 JTS of 15.5# & 17#, 5-1/2" J-55 to 7150'.
 - B) 1st stage cement w/ 540 sx of 50/50 "premium Pozmix", PD @ 6:30 PM 4-8-90.
 - C) 2nd stage cement thru DV Tool @ 4900', w/ 1900 sx Halide "Lite" Premium. Circ. 280 sx to Sfc. PD @ 2:00 AM, 4-9-90.

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APR 10 11 03 AM '90

CAS. AREA

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

SIGNED James G. Mc Clelland

TITLE Vice President

DATE April 9, 1990

(This space for Federal or State office use)

APPROVED BY _____

TITLE _____

DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

CONTACT RECEIVING
OFFICE FOR NUMBER
OF COPIES REQUIRED
(Check instructions on
reverse side)

30-025-30935

BLM Roswell District
Modified Form No.
NMD60-3160-2

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

2. NAME OF OPERATOR
 Strata Production Company

3a. Area Code & Phone No.
 505-622-1127

3. ADDRESS OF OPERATOR
 648 Petroleum Bldg., Roswell, New Mexico 88201

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
 At surface: 4 miles South East of Halfway Bar, Halfway, New Mexico
 At proposed prod. zone: 660' / 11" ~ 2100' W unit C

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 30 miles West of Hobbs, NM

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit lbe, if any)
 560' FNL & 2100' FWL

16. NO. OF ACRES IN LEASE
 320 acres

17. NO. OF ACRES ASSIGNED TO THIS WELL
 40 acres

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

19. PROPOSED DEPTH
 7150'

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 3651' GR

22. APPROX. DATE WORK WILL START*
 March 17, 1990

5. LEASE DESIGNATION AND SERIAL NO.
 NM-14791

6. IF INDIAN, ALLOTED OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
 New Mexico "A" Federal

9. WELL NO.
 #3

10. FIELD AND POOL, OR WILDCAT
 Hat Mesa Delaware

11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA
 Sec. 4, T-21-S, R-32-E

12. COUNTY OR PARISH
 Lee

13. STATE
 N.M.

PROPOSED CASING AND CEMENTING PROGRAM

HOLE SIZE	CASING SIZE	WEIGHT/FOOT	GRADE	THREAD TYPE	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8"	24#	K-55	LTC	1300'	600 lite & 200 sx C circulate to SFL.
7 7/8"	5 1/2"	15#	K-55	STC	7150'	300 sx Lite & 100 sx C (see slips) tie in to SFL

A.) Will Drill to a depth sufficient to test the Delaware Formation.

B.) Mud Program: 0 - 1300' = Native mud

1300 (Base of Salt) - Total Depth = Cut Brine with starch for WL control and caustic for PH control (10.0 - 11.0). Before drilling into Delaware, lower wl to ± 10 cc's and raise vis to 35 - 40 with salt gel and flocele and raise chlorides above 125,000 ppm. Mud program may be altered as conditions dictate.

APPROVAL SUBJECT TO
 GENERAL REQUIREMENTS AND
 SPECIAL STIPULATIONS
 ATTACHED

*All changes & additions as per telecon w/J. MSC/ell and 3/12/90. SJS

C.) B.O.P. will be installed. (see Exhibit)

D.) Logs will be run.(CNL/DLL/GR-CAL/VOLAN).

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 James G. Mc Clellan TITLE Vice President DATE 2-26-90

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE 3-12-90

CONDITIONS OF APPROVAL, IF ANY:

RECEIVED

MAR 14 1996

OCD
MOBBS OFFICE

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

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

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 Co.			Lease N. M. Federal		Well No. 3
Unit Letter C	Section 4	Township 21 South	Range 32 East	County NMPM Lea	

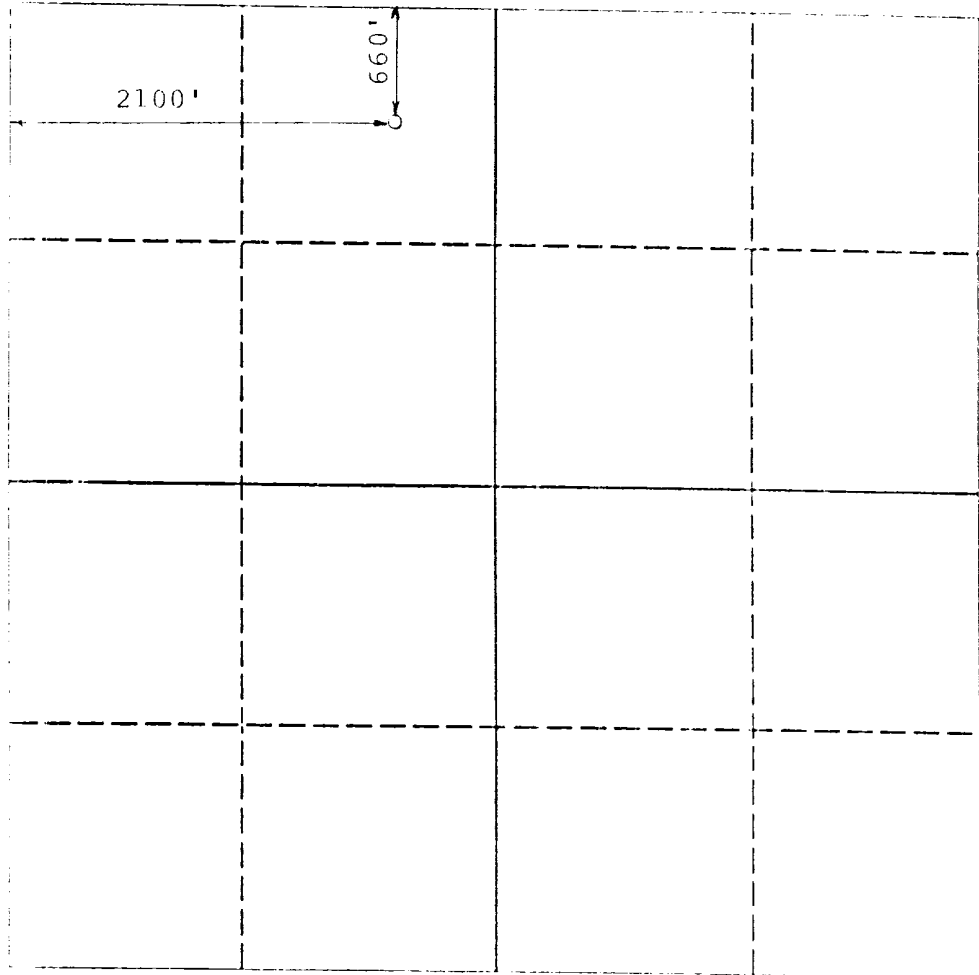
Actual Footage Location of Well:
660 feet from the **North** line and **2100** feet from the **West** line
 Surface level Elev. **3651'** Producing Formation **Delaware** Pool **Hat Mesa Delaware** Dedicated Acreage **40** Acres

- Outline the acreage dedicated to the subject well by colored pencil or ballpoint marker on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (such as working interest and royalty).
- 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.
James G. McClelland
 Signature
James G. McClelland
 Printed Name
Vice President
 Position
Strata Production Co.
 Company
March 5, 1990
 Date

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
March 5, 1990
 Signature & Seal of Professional Surveyor **P. B. Patton**

