

## UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

P. O. Drawer 1857 Roswell, New Mexico 88201

copy to

April 27, 1965

Mr. Slwyn C. Hale 120 Requa Road Pledmont, California

Dear Mr. Hale:

Your Notice of Intention to Drill well No. 1 Federal (copy attached) in the NWSEL sec. 22, T. 20 S., R. 30 B., N.M.P.M., Eddy County, New Mexico, lease Las Cruces 063610, to a depth of 2,000 feet to test the Yates-Seven Rivers formations, has been forwarded to this office for approval.

Pursuant to authority delegated to the Regional Oil and Gas Supervisor on May 10, 1962, 27 F.R. 4814, I hereby approve the Notice of Intention to Drill described in the foregoing.

Please notify the D strict Engineer, Geological Survey, Drawer U, Artesia, New Mexico, in sufficient time for a representative to witness all cementing operations.

Sincerely yours,

(ORIG. SGD.) JOHN A. ANDERSON

JOHN A. ANDERSON Regional Oil & Gas Supervisor

Attachment

cc:
Washington
Mining Branch (2)
NMOCC-Artesia (2) (w/2 cys Notice)
Artesia
Roswell (2)

JAKnauf/gs 4-26-65

ाक्षा वरका अपन्य अस्तर अस्

## STATE CELLAG SOPPLE DISHT CONSSISSION (202 Menting langton (112)

• •

## UNITED STATES

DEPARTMENT OF THE INTERIOR

UBMIT	IN	TPE	LIC	ATE*
(Other	ins	tr <u>.</u>	as	on
(Other re	vers	ببرجوح	e)	

Form approved. Budget Bureau No. 42-R1425.

$\mathcal{L}^{0}$	
copy of.	5. LEASE DESIGNATION AND SERIAL NO.
VI 1 Y D'.	Las Cruces 063610

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK  18. TIPE OF WORK  DRILL IX  DEEPEN DEEPEN DELOTED  PLUG BACK  7. ONTA AGREEMENT NAME  5. TARM OR DEAGES NAME  Federal  5. TARM OR DEAGES NAME  Federal  5. TARM OR DEAGES NAME  Federal  7. ONTA AGREEMENT NAME  12. OR AGRUA ROad, Piedmont, California.  12. Requa Road, Piedmont, California.  12. Requa Road, Piedmont, California.  12. Requa Road, Piedmont, California.  12. Cocky of Well (Report location clearly and in accordance with any State requirements.)  Althoroposch prod. Dobe  13. ADDIEST NO. DIRECTION ROOM NAMEST TOWN OR POST OFFICE*  13. Bill es northeast of Carlsbad, New Mexico  15. DIRECTION ROOM NAMEST PROD. PROPOSED  16. No. OF ACRES IN LEASE  17. No. OF AGREES ASSIGNED  TO THIS VOIL  18. THE DIRECTION ROOM NAMEST TOWN OR POST OFFICE*  19. STATE OF NAMEST WILL, BRILLING, COMPRETED, None  10. No. OF ACRES IN LEASE  10. No. OF AGREES ASSIGNED  TO THIS VOIL  10. NO. OF AGREES ASSIGNED  11. SECT. TAR. MAN DEAGLES  12. COLVET OR PAGENTOR  13. SECT. TAR.  13. SECT. TAR.  14. DESTATA  15. SECT. TAR.  16. TO
DRILL [X]  DEPEN DEPEN DISTORMANCE   TO STATE AGREEMENT NAME    DRILL   DEPEN   PLUG BACK   S. FARM OR LEASE NAME   STORE APR 28 1985   S. FARM OR LEASE NAME   Federal   S. FARM OR LEASE NAME   To S. FARM OR LEASE NAME   S. FARM OR LEASE NAME   Federal   S. FARM OR LEASE NAME   S. FARM OR LEASE NAME   Federal   S. FARM OR LEASE NAME   S. FARM OR LEASE NAME   Federal   S. FARM OR LEASE NAME   S. FARM OR LEASE NAME   Federal   S. FARM OR LEASE NAME   S. FARM OR LEASE NAME   Federal   S. FARM OR LEASE NAME   S. FARM OR LEASE NAME   Federal   S. FARM OR LEASE NAME   S. FARM OR LEASE NAME   Federal   S. WILL NO.   S. FARM OR LEASE NAME   Federal   S. FARM OR LEASE NAME   S. FARM OR LEASE NAME   Federal   S. FARM OR LEASE NAME   S. FARM OR LEASE NAME   Federal   S. WILL NO.   S. FARM OR LEASE NAME   Federal   S. WILL NO.   S. FARM OR LEASE NAME   Federal   S. WILL NO.   S. FARM OR LEASE NAME   Federal   S. WILL NO.   S. FARM OR LEASE NAME   Federal   S. WILL NO.   S. FARM OR LEASE NAME   Federal   S. WILL NO.   S. FARM OR LEASE NAME   Federal   S. WILL NO.   S. FARM OR LEASE NAME   Federal   S. WILL NO.   S. FARM OR LEASE NAME   S
D. C. C.  2. NAME OF OPERATOR  Elwyn C. Hale  3. ADDRESS OF OPERATOR  120 Requa Road, Piedmont, California.  4. LOCKIN OF WELL (Report location clearly and in accordance with any State requirements.*)  ALTHOUGH PROPOSED FSL and 1980' FEL Sect. 22-T20S-R30E N.M.P.M.  ALTHOUGH PROPOSED Rivers.  14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*  15. DISTANCE FROM PROPOSED*  LOCATION OF NEAREST TOWN OR POST OFFICE*  16. NO. OF ACRES IN LEASE  LOCATION OF MEAL (Report of Rails)  16. NO. OF ACRES IN LEASE  LOCATION OF MEALE AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*  16. NO. OF ACRES IN LEASE  LOCATION TO NEAREST WILL, DELLING, COMPLETED.  NO NEW SETTING DEPTH  2000' Cable Tools  22. APPROX. DATE WORK WILL STATEMENT OF CABLE TOOLS  TO NEAREST WILL, DELLING, COMPLETED.  NO NEAREST WILL, DELLING, COMPLETED.  NO NEAREST WILL, DELLING, COMPLETED.  NO NEW SETTING DEPTH  2000' Cable Tools  22. APPROX. DATE WORK WILL STATEMENT OF CABLE TOOLS  TO NEAREST WILL, DELLING, COMPLETED.  NO NEW SETTING DEPTH  QUANTITY OF CEMENT  22. APPROX. DATE WORK WILL STATEMENT OF CABLE TOOLS  TO STATEMENT WILL, DELLING, COMPLETED.  NO NEW SETTING DEPTH  QUANTITY OF CEMENT  22. APPROX. DATE WORK WILL STATEMENT OF CABLE TOOLS  4-24-65  23. PROPOSED CASING AND CEMENTING PROGRAM  PLANS ARE TO SET TOOLS  TO STATEMENT OF CABLE TOOLS  TO STATEMENT OF CABLE TOOLS  TO THIS WELL.  22. APPROX. DATE WORK WILL STATEMENT OF CABLE TOOLS  TO THIS WELL.  22. APPROX. DATE WORK WILL STATEMENT OF CABLE TOOLS  TO STATEMENT OF CABLE TOOLS  TO THIS WELL.  THE OFFICE OF TOOLS  TO THIS WELL.  THE OFFICE OF TOOLS  TO THIS WELL.  TO THIS WELL.  THE OFFICE OF TOOLS  TO THIS WELL.  THE OFFICE OF TOOLS  TO THIS WELL.  TO THE TOOLS OF CAB
ELWYN C. Hale  ADDRESS OF OFERATOR  120 Requa Road, Piedmont, California.  130 FIELD AND FOOL, OR WILLD AND FOOL, OR WILDCAT Extension of the surface
Elwyn C. Hale  ARTEEIA, UFFIGE  3. ADDRESS OF OPERATOR  120 Requa Road, Piedmont, California.  4. Location of Well (Report location clearly and in accordance with any State requirements.)  At surface 1950' FSL and 1980' FEL Sect. 22-T20S-R30E N.M.P.M.  At purposed prod. 2006 Yates-Seven Rivers.  14. DISTANCE IN MILES ASE DIRECTION FROM NEAREST TOWN OR FOST OFFICE' 18 miles northeast of Carlsbad, New Mexico 16. DISTANCE FROM PROPOSED: 16. No. 00 FACRES IN LEASE 17. No. 00 FACRES ASSIGNED 18. DISTANCE FROM PROPOSED: 18. DISTANCE FROM PROPOSED: 19. ON PACHES ASSIGNED 19. NAMEST WELL, BRILLING, COMPLETED, None 2000' Cable Tools 08 AFFILID FOR, ON THE LEASE; F. 21. ELEVATIONS (Show whether DF, RT, GR, etc.) 22. PROPOSED CASING AND CEMENTING PROGRAM  10 10 3-5/8" 22
ACCEPTION WHELE (Report location clearly and in accordance with any State requirements.)  A LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)  A Alproposed prod. Zone Yates—Sevven Rivers.  14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR FOST OFFICE.  18 miles northeast of Carlsbad, New Mexico  16. DISTANCE FROM PRODESED* DESCRIPTION OR LEASE LINE, FT. (Also to nearest drig. line, if any)  16. DISTANCE PROD PRODUSED* DESCRIPTION REASE LINE, FT. (Also to nearest drig. line, if any)  17. DISTANCE PROD PRODUSED* DESCRIPTION REASE LINE, FT. (Also to nearest drig. line, if any)  18. DISTANCE PROD PROPOSED LOCATION* TO NUMBER WHELE DESCRIPT.  19. PROPOSED DEFTH  20. ROTANY OR CABLE TOOLS TO NUMBER WHELE DESCRIPT.  10. PROPOSED DEFTH  20. ROTANY OR CABLE TOOLS TO STRIBLEASE, FT.  10. PROPOSED CASING AND CEMENTING PROGRAM  10. PROPOSED CASING AND CEMENTING PROGRAM  22. APPROX. DATE WORK WHILE ST.  4-24-65  23.  PROPOSED CASING AND CEMENTING PROGRAM  10. PROPOSED CASING AND CEMENTING PROGRAM  22. APPROX. DATE WORK WHILE ST.  4-24-65  23.  Plans are to set 8-5/8" casing in the anhydrite immediately above the salt section expected at approximately 550 feet. Cement  will be circulated. Intermediate or salt protection string (7")  will be tacked with 50 sacks 150' to 200' below the base of the salt, expected at 1400 feet. In the event of production the 7"  will be cut and pulled. 4-1/2" casing will be used as production astring. Cement will be circulated.  Note: The above program conforms to drilling and casing program.
120 Requa Road, Piedmont, California.  1. Location of Wall (Report location clearly and in accordance with any State requirements.)  1. Sect. 7. R. M., Go Bell. 1. Sect. 22-T2OS-R3OE N.M.P.M.  1. Sect. 7. R. M., Go Bell. 1. Sect. 22-T2OS-R3OE N.M.P.M.  1. Sect. 7. R. M., Go Bell. 1. Sect. 22-T2OS-R3OE N.M.P.M.  1. Sect. 7. R. M., Go Bell. 1. Sect. 22-T2OS-R3OE N.M.P.M.  1. Sect. 7. R. M., Go Bell. 1. Sect. 22-T2OS-R3OE N.M.P.M.  1. Sect. 7. R. M., Go Bell. 1. Sect. 22-T2OS-R3OE N.M.P.M.  1. Sect. 7. R. M., Go Bell. 1. R. M., Go Bell
LICATION OF WELL (Report location clearly and in accordance with any State requirements.*)  All surface  1980' FSL and 1980' FEL Sect. 22-T20S-R30E N.M.P.M.  Alphoposed prod. zone Yates-Seven Rivers.  4. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*  18 miles northeast of Carlsbad, New Mexico  15. DISTANCE FROM PROPOSED DEPTH DATA TO THIS WELL DISTANCE FROM PROPOSED LOCATION*  10. NO. OF ACRES IN LEASE PLAN OR ADJUSTED DEPTH TO THIS WELL TO THIS WELL TO THIS WELL DISTANCE FROM PROPOSED LOCATION*  TO NEAREST WELL, DRILLING, COMPLETED, None  20. ROTARY OR CABLE TOOLS  21. ELEVATIONS (Show whether DF, RT, GR, etc.)  3250 GL  PROPOSED CASING AND CEMENTING PROCRAM  BIZE OF HOLE  817 NO. OF ACRES ASSIGNED  10. PROPOSED DEPTH 20. ROTARY OR CABLE TOOLS  Cable Tools  22. APPROX. DATE WORK WILL ST. 4-24-65  23. PROPOSED CASING AND CEMENTING PROCRAM  BIZE OF HOLE  817 NO. OF ACRES ASSIGNED  10. PROPOSED CASING AND CEMENTING PROCRAM  PLAN S ARE TO SET S.
Alproposed prod. 2006 Alproposed prod. 2007
ALDIFFANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*  18 miles northeast of Carlsbad, New Mexico  15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.  (Also to nearest drig, line, if any)  16. No. of Acces in Lease 17. No. of Acces assigned TO TO THIS WELL  (Also to nearest drig, line, if any)  18. DISTANCE FROM PROPOSED LOCATION*  19. PROPOSED DEFTH 20. ROTARY OR CABLE TOOLS  TO NEAREST WELL, DIBLELING, CONFIDENTED, OR APPLIED FOR, ON THIS LEASE, FT.  19. PROPOSED DEFTH 20. ROTARY OR CABLE TOOLS  Cable Tools  22. APPROX. DATE WORK WILL ST.  23. PROPOSED CASING AND CEMENTING PROGRAM  24. 24. 65  25. DOT TO THIS WELL  25. BOTA OF ACRES ASSIGNED  26. DOT ACRES ASSIGNED  26. DOT ACRES IN LEASE  20. DATE OF ACRES ASSIGNED  20. PROPOSED CASING AND CEMENT OF THE TOOLS  CABLE TOOLS  22. APPROX. DATE WORK WILL ST.  22. APPROX. DATE WORK WILL ST.  25. DATE OF ACRES IN LEASE  CABLE TOOLS  26. DOT TO THIS WELL  27. PROPOSED CASING AND CEMENT OF THE TOOLS  CABLE TOOLS  28. DOT TO THIS WELL  29. DATE OF ACRES IN LEASE  TO THIS WELL  20. DATE OF ACRES IN LEASE  TO THIS WELL  20. DATE OF ACRES IN LEASE  TO THIS WELL  20. DATE OF ACRES IN LEASE  TO THIS WELL  20. DATE OF ACRES IN LEASE  CABLE TOOLS  CABLE TOOLS  27. DATE OF THE TOOLS  CABLE TOOLS  28. DATE OF THE TOO
18 miles northeast of Carlsbad, New Mexico  18 miles northeast of Carlsbad, New Mexico  19 miles northeast of Carlsbad, New Mexico  10 miles northeast object northeast occasions and canter of the Salt section expected at approximately of Carlsbad, New Mexico  10 miles northeast object north of Mexico  10 miles northeast object north of Mexico  10 miles northeast of Carlsbad, New Mexico  10 miles northeast object north of Mexico  10 miles north north north north of Mexico  10 miles north
15. DISTANCE FROM PROPOSED*  15. DISTANCE FROM PROPOSED*  16. No. OF ACRES IN LEASE  17. NO. OF ACRES ASSIGNED  TO THIS WELL  16. No. OF ACRES IN LEASE  17. NO. OF ACRES ASSIGNED  TO THIS WELL  18. DISTANCE FROM PROPOSED IN:  18. DISTANCE FROM PROPOSED LOCATION*  18. DISTANCE FROM PROPOSED  19. ROTARY OR CABLE TOOLS  Cable TOOLS  20. ROTARY OR CABLE TOOLS  22. APPROX. DATE WORK WILL STANCE  22. APPROX. DATE WORK WILL STANCE  22. APPROX. DATE WORK WILL STANCE  23. PROPOSED CASING AND CEMENTING PROCEAM  24. DISTANCE FROM PROPOSED  25. ROTARY OR CABLE TOOLS  26. ROTARY OR CABLE TOOLS  26. ROTARY OR CABLE TOOLS  26. ROTARY OR CABLE TOOLS  27. APPROX. DATE WORK WILL STANCE  28. DISTANCE FROM PROPOSED LOCATION*  20. ROTARY OR CABLE TOOLS  20. ROTARY OR CABLE TOOLS  22. APPROX. DATE WORK WILL STANCE  23. DATE WORK WILL STANCE  24. DATE WORK WILL STANCE  25. DATE WORK WILL STANCE  26. BOTARY OR CABLE TOOLS  26. ROTARY OR CABLE TOOLS  26. ROTARY OR CABLE TOOLS  27. DATE WORK WILL STANCE  28. DATE WORK WILL STANCE  29. ROTARY OR CABLE TOOLS  29. ROTARY OR CABLE TOOLS  20. ROTARY OR CABLE TOOLS  20. ROTARY OR CABLE TOOLS  21. DATE WORK WILL S
5. DISTANCE FROM PROPOSED LOCATION.*  CASE OF RECEIVED FROM SEASE PROPOSED LOCATION.*  S. DISTANCE PROM PROPOSED LOCATION.*  CASE OF RELIEVATIONS (Show whether DF, RT, GR, etc.)  3250 GL  PROPOSED CASING AND CEMENTING PROGRAM  PROPOSED CASING AND CEMENTING PROGRAM  SIZE OF HOLE  SI
(Also to hearest drig. Hine, if any)  18. Distance Proon Peoposed Location* TO MARKEST WELL, DRILLING, CONFLETED, None  2000;  Cable Tools  Cable Tools  Cable Tools  22. APPROX. DATE WORK WILL ST.  3250 GL  PROPOSED CASING AND CEMENTING PROGRAM  BIZE OF HOLE  SIZE OF
TO MEMBET WHILL, DHILLIANS, COMPLETED, None 2000; Cable Tools or APPLIED FOR, ON THIS LEASE, FT.  TO MEMBET WHILL, DHILLIANS, COMPLETED, None 2000; Cable Tools of APPLIED FOR, ON THIS LEASE, FT.  TO MEMBET WHILL, DHILLIANS, COMPLETED, None 2000; Cable Tools 22. APPROX. DATE WORK WILL ST.  4-24-65  PROPOSED CASING AND CEMENTING PROGRAM  SIZE OF HOLE SIZE SING WEIGHT PER FOOT SETTING DEPTH QUANTITY OF CEMENT 10" 3-5/8" 22# 550' Circulated 7" 17.5# 1550' 50 sacks  Plans are to set 8-5/8" casing in the anhydrite immediately above the salt section expected at approximately 550 feet. Cement will be circulated. Intermediate or salt protection string (7") will be tacked with 50 sacks 150' to 200' below the base of the salt, expected at 1400 feet. In the event of production the 7" will be cut and pulled. 4-1/2" casing will be used as production string. Cement will be circulated.  Note: The above program conforms to drilling and casing program.
BIZE OF HOLE SIZE OF SIZE OF HOLE SIZE OF SIZE O
PROPOSED CASING AND CEMENTING PROCESS  **SIZE OF HOLE SIZE AND SING WEIGHT FEB FOOT SETTING DEPTH QUANTITY OF CEMENT 10" \$-5/8" 22# 550' Circulated 17.5# 1550' 50 sacks  Plans are to set 8-5/8" casing in the anhydrite immediately above the salt section expected at approximately 550 feet. Cement will be circulated. Intermediate or salt protection string (7") will be tacked with 50 sacks 150' to 200' below the base of the salt, expected at 1400 feet. In the event of production the 7" will be cut and pulled. 4-1/2" casing will be used as production string. Cement will be circulated.  Note: The above program conforms to drilling and casing program.
Plans are to set 8-5/8" casing in the anhydrite immediately above the salt section expected at approximately 550 feet. Cement will be circulated. Intermediate or salt protection string (7") will be tacked with 50 sacks 150' to 200' below the base of the salt, expected at 1400 feet. In the event of production the 7" will be cut and pulled. 4-1/2" casing will be used as production string. Cement will be circulated.
Plans are to set 8-5/8" casing in the anhydrite immediately above the salt section expected at approximately 550 feet. Cement will be circulated. Intermediate or salt protection string (7") will be tacked with 50 sacks 150' to 200' below the base of the salt, expected at 1400 feet. In the event of production the 7" will be cut and pulled. 4-1/2" casing will be used as production string. Cement will be circulated.  Note: The above program conforms to drilling and casing program
Plans are to set 8-5/8" casing in the anhydrite immediately above the salt section expected at approximately 550 feet. Cement will be circulated. Intermediate or salt protection string (7") will be tacked with 50 sacks 150' to 200' below the base of the salt, expected at 1400 feet. In the event of production the 7" will be cut and pulled. 4-1/2" casing will be used as production string. Cement will be circulated.  Note: The above program conforms to drilling and casing program
Plans are to set 8-5/8" casing in the anhydrite immediately above the salt section expected at approximately 550 feet. Cement will be circulated. Intermediate or salt protection string (7") will be tacked with 50 sacks 150' to 200' below the base of the salt, expected at 1400 feet. In the event of production the 7" will be cut and pulled. 4-1/2" casing will be used as production string. Cement will be circulated.  Note: The above program conforms to drilling and casing program
above the salt section expected at approximately 550 feet. Cement will be circulated. Intermediate or salt protection string (7") will be tacked with 50 sacks 150' to 200' below the base of the salt, expected at 1400 feet. In the event of production the 7" will be cut and pulled. 4-1/2" casing will be used as production a string. Cement will be circulated.  Note: The above program conforms to drilling and casing program.
as specified by NMOCE order # R 111A.
IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive gone and proposed new prozone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give by preventer program, if any.
24.
signed (U. Audenthurge) FITLE Agent 4-21-65
Agent 4-21-65
SIGNED J. C. J. Cardon Wing as Agent 4-21-65

## I. A MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

All distances must be from the outer boundaries of the Section. Well No. Lease Operator Paderal Ĩ Mission C. Hole County Township Section Unit Letter 1.383 X Section JA . A 13 6 Actual Footage Location of Well: 21900 J. Grand line and feet from the Pool 2 Dedicated Acreage: Producing Formation Ground Level Elev. 1260 Acres Yates-Seven Fivers 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 interests of all owners been consolidated by communitization, unitization, force-pooling. etc? APR 2 8 1965 If answer is "yes," type of consolidation | Yes No No If answer is "no," list the owners and tract descriptions which have actually been consolidated rules 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** 3 % I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Company 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 Registered Professional Engineer and/or Land Surveyor 1000 50 Q 1500

1980

2310

2000