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SUBMIT IN T JCATE.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK IB. TIPE OF WORK DRILL X DEEPEN DEEPEN RITTLE OF BACK TO THE BACK BINDLE AS TO THE BACK BINDLE AS TO THE BACK BACK BACK BACK BACK BACK BACK BACK	AND FOOL, OR WILDCAT gart Pool -SR-Q-Grayburg) T., E., M., OR BLK. IURVEY OR AREA 1, T.19S., R.30E. Y OR PARISH 13, STATE N.M.
APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK 18. TYPE OF WORK DRILL \(\text{DEEPEN} \) DEEPEN \(\text{DEEPEN} \) PLUG BACK \(\text{T. UNIT} \) b. TYPE OF WELL \(\text{WELL} \) OTHER \(\text{SINGLE} \) \(\text{MULLIPLE} \) OTHER \(\text{SINGLE} \) \(\text{MULLIPLE} \	AGREEMENT NAME OR LEASE NAME 1 Hale Federal NO. AND POOL, OR WILDCAT gart Pool SR-Q-Grayburg) T. E. M., OR BLE. IURVEY OR AREA 1, T.19S., R.30E. Y OR PARISH 13. STATE N.M.
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DRILL X DEEPEN DEEPEN DELUG BACK 7. UNIT b. TIPE OF WELL WELL OTHER RINGLE X EVEN EVEN GOVER AND COLL WELL X OAS WELL OTHER RINGLE X EVEN EVEN GOVER AND CREAT WESTERN DRILLING COMPANY (Kenneth Smith) GREAT WESTERN DRILLING COMPANY (S505-396-5538) GREAT WESTERN DRILLING COMPANY (Kenneth Smith) Mabe 9. WELL Midland, Texas 79702 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*) At purposed prod. sone Same (UNIT A) Same (NENE) 24 air miles and direction from Nearist Town or Post office* 12. count 12. count 12. count 13. DISTANCE FROM PROFUSED* PROFEST OR LEASE LINE, FT. (Alio to barrete dig. unit line, if any) 330' 2160. 32 10. FINE YOUR FROM PROFUSED* 11. NO. OF ACRES IN LEASE 17. NO. OF ACRES IN LEASE 17. NO. OF ACRES IN WELL TO THIS WELL OS APPLIED FOR, ON THIS LEASE, FT. 1300' ± 3200' ROTATY OR CASH 3483.7' GL 3483.7' GL PROFOSED CASING AND CEMENTING PROGRAM SIZE OF ROLE SIZ	AND POOL, OR WILDCAT gart Pool SR-Q-Grayburg) T. E. M., OR BLK. IURVEY OR AREA 1, T.19S., R.30E. Y OR PARISH 13. STATE N.M.
OIL WELL (X OAS WELL OTHER SINGLE (X DULTIPE COMPANY (Kenneth Smith) (505-396-5538) GREAT WESTERN DRILLING COMPANY (Kenneth Smith) (505-396-5538) GREAT WESTERN DRILLING COMPANY (Kenneth Smith) (505-396-5538) Made (Kenneth Smith) (505-396-5538) 10 First (Report location clearly and in accordance with any State requirements.*) Shuthface (UNIT A) (NENE) Same (NENE) Sec. 1 12. count (Vates) (NENE) Sec. 1 12. count (And miles and direction from Mearist town or fost office* 12. count (NENE) 13. distance from proposed (Int., pt. (Alio to nearest drig, unit line, if any) (Any Mearist value, proposed (Int., pt. (Alio to nearest drig, unit line, if any) (Any Mearist value, proposed (Int., pt. (Alio to nearest drig, unit line, if any) (Any Mearist value, proposed (Int., pt. (Alio to nearest drig, unit line, if any) (Any Mearist value, proposed (Int., pt. (Alio to nearest drig, unit line, if any) (Any Mearist value, proposed (Int., pt. (Alio to nearest drig, unit line, if any) (Any Mearist value, proposed (Int., pt. (Alio to nearest drig, unit line, if any) (Any Mearist value, proposed (Int., pt. (Alio to nearest drig, unit line, if any) (Any Mearist value, proposed (Int., pt. (Alio to nearest drig, unit line, if any) (Any Mearist value, proposed (Int., pt. (Alio to nearest drig, unit line, if any) (Any Mearist value, proposed (Int., pt. (Alio to nearest drig, unit line, if any) (Any Mearist value, proposed (Int., pt. (Alio to nearest drig, unit line, if any) (Any Mearist value, proposed (Int., pt.	AND POOL, OR WILDCAT gart Pool SR-Q-Grayburg) T. E. M., OR BLK. IURVEY OR AREA 1, T.19S., R.30E. Y OR PARISH 13. STATE N.M.
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CREAT WESTERN DRILLING COMPANY (Kenneth Smith) Mabe S. ADDRESS OF OFFRATOR P.O. Box 1659 Midland, Texas 79702 10. First Shuriage 330' FNL 760' FEL, Sec.11-19S-30E (UNIT A) (VALUE SAND)	1 Hale Federal NO. AND POOL, OR WILDCAT gart Pool SR-Q-Grayburg) T. E. M., OR BLK. IURVEY OR AREA 1, T.19S., R.30E. Y OR PARISH 13. STATE N.M.
GREAT WESTERN DRILLING COMPANY (505-396-5538) GREAT WESTERN DRILLING COMPANY (505-396-5538) Midland, Texas 79702 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*) At BUTAGES 330' FNL 760' FEL, Sec. 11-19S-30E At proposed prod. sone Same (NENE) Same (NENE) Sec. 1 12. COUNT A) Sec. 1 14. No. of ACRES IN LEASE PROPOSED CASING AND CEMENTING PROGRAM SIZE OF HOLE SIZE OF CASING PROPOSED CASING AND CEMENTING PROGRAM 17. No. of ACRES IN LEASE, FT. 1300' ± 1300' ± 1300' ± 140 170 NEARTST WELL, BRILLING, COMPLETED, OR APPLIED OR APPLIED FOR ACRES AND CEMENTING PROGRAM SIZE OF HOLE SIZE OF CASING PROPOSED CASING AND CEMENTING PROGRAM SIZE OF HOLE SIZE OF CASING MEGIST FER FOOT AND 10. PROPOSED CASING AND CEMENTING PROGRAM SIZE OF HOLE 17-1/2" 13-3/8" 48# 685' 750 sx. "C" 12-1/4" 8-5/8" 24# 1900' 1230 sx. "C" 7-7/8" 5-1/2" 14# 3200' 400± sx. "C"	AND FOOL, OR WILDCAT gart Pool SR-Q-Grayburg) T. E. M., OR BLK. IVEVEY OR AREA 1, T.19S., R.30E. Y OR PARISH 13. STATE N.M.
### At Buriage #### At Buriage ####################################	AND FOOL, OR WILDCAT gart Pool -SR-Q-Grayburg) T., E., M., OR BLK. IURVEY OR AREA 1, T.19S., R.30E. Y OR PARISH 13, STATE N.M.
At Burface At proposed prod. zone Same (NENE) Sec. 1	AND POOL, OR WILDCAT gart Pool -SR-Q-Grayburg) T. E. M., OR BLK. IURVEY OR AREA 1, T.19S., R.30E. Y OR PARISH 13. STATE N.M.
330'FNL 760'FEL, Sec.11-19S-30E At proposed prod. zone Same (NENE) Sec.1 24 air miles northeast of Carlsbad, New Mexico D. DIRTANCE FROM PROPUSED* LOCATION TO MEAREST TOWN OR POST OFFICE* 24 air miles northeast of Carlsbad, New Mexico D. DIRTANCE FROM PROPUSED* LOCATION TO MEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 330' 310. FNO OF ACRES IN LEASE TO THIS WELL 40 20. ROTARY OR CABL ROTARY 10. FNOPOSED DEPTH 20. ROTARY OR CABL ROTARY 12. AND Sec.1 17. NO. OF ACRES IN LEASE TO THIS WELL 40 20. ROTARY OR CABL ROTARY 12. APP 22. APP 3483.7' GL 3483.7' GL PROPOSED CASING AND CEMENTING PROGRAM SIZE OF ROLE BIZE OF CABING WEIGHT PER FOOT SETTING DEPTH QUAN: 17-1/2" 13-3/8" 48# 685' 750 sx "C" 1230 sx "C" 120" 1230 sx "C" 120" 124# 3200' 1230 sx "C" 1230 sx "C"	gart Pool -SR-Q-Grayburg) T. R. M., OR BLK. IURVEY OR AREA 1, T.19S., R.30E. YOR PARISH 13. STATE N.M.
At proposed prod. zone Same 4. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR FOST OFFICE* 24 air miles northeast of Carlsbad, New Mexico D. DISTANCE FROM PROPOSED* LOCATION TO NEAREST TOWN OR FOST OFFICE* 10. NO. OF ACRES IN LEASE PROPERTY OR LEASE LINE, FT. (Also to DESTRUCK FROM FROMOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR AFFILID FOR, ON TRIE LEASE, FT. 1300' ± 10. PROPOSED CASING AND CEMENTING PROGRAM SIZE OF ROLE SIZE OF ROLE SIZE OF CASING PROPOSED CASING AND CEMENTING PROGRAM SIZE OF ROLE 17-1/2" 13-3/8" 48# 685' 750 sx "C" 7-7/8" 5-1/2" 14# 3200' 10. SETTING DEPTH QUANTY 10. SETTING DEPTH QUANTY 10. SETTING DEPTH QUANTY 17-1/2" 13-3/8" 48# 685' 750 sx "C" 400± sx "C" 400± sx "C"	1, T.19S., R.30E. Y OR PARISH 13. STATE N.M.
Same	1, T.19S., R.30E.
4. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 24 air miles northeast of Carlsbad, New Mexico 5. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to DEAREST WILL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1. ELEVATIONS (Show whether DF, RT, GR, etc.) 3483.7' GL PROPOSED CASING AND CEMENTING PROGRAM 51ZE OF HOLE 51ZE OF HOLE 51ZE OF CASING FROM MEIGHT FER FOOT 51ZE OF HOLE 51ZE OF SIZE OF CASING WEIGHT FER FOOT 51ZE OF HOLE 51ZE OF HOLE 51ZE OF SIZE OF CASING WEIGHT FER FOOT 51ZE OF HOLE 51ZE OF HOLE 51ZE OF HOLE 51ZE OF SIZE OF CASING FROM MEIGHT FER FOOT 51ZE OF HOLE 51ZE OF CASING 51ZE OF HOLE 51ZE OF CASING 51ZE OF HOLE 51ZE OF HOLE 51ZE OF CASING 51ZE OF HOLE 51ZE OF HOLE 51ZE OF HOLE 51ZE OF CASING 52ZE OF C	Y OR PARISH 13. STATE N.M.
24 air miles northeast of Carlsbad, New Mexico Eddy	N.M.
16. No. OF ACRES IN LEASE 17. No. OF ACRES AND CEMENTING PROGRAM 17. No. OF ACRES AND CEMENT 17. No. OF ACRES AND CEMENT 18. No. OF ACRES AND CEMENTING PROGRAM 18. No. OF ACRES AND CEMENT 19. No.	
10 10 10 10 10 10 10 10	BIGNED
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OR APPLIED FOR, ON THIS LEASE, FT. 1300' ± 3200' Rotary 3483.7' GL PROPOSED CASING AND CEMENTING PROGRAM PROPOSED CASING AND CEMENTING PROGRAM SIZE OF ROLE 17-1/2" 13-3/8" 12-1/4" 8-5/8" 7-7/8" 5-1/2" 14# 3200' Rotary Rotary 1200 Rotary Rotary 1200 Rotary Rotary 121 As So Rotary 121 As So Rotary 122 Applied From Septimodel Program 1200 Rotary Rotary 121 As So Rotary 122 Applied From Septimodel Program 1230 SX "C" 13-3/8" 13-3/8" 13-3/8" 14# 3200' 1230 SX "C" 400 ± SX "C"	
AS SO	t TOOLS
As So PROPOSED CASING AND CEMENTING PROGRAM SIZE OF ROLE SIZE OF CASING WEIGHT PER FOOT SETTING DEPTH QUAN: 17-1/2" 13-3/8" 48# 685' 750 sx "C" 12-1/4" 8-5/8" 24# 1900' 1230 sx "C" 400± sx "C"	OX. DITE WORK WILL STIRT.
PROPOSED CASING AND CEMENTING PROGRAM	
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7-7/8" $5-1/2$ " $14\#$ 3200 " 1230 sx "C" $400 \pm \text{ sx "C"}$	+ 2% CaCl ₂ (Circ)
7-7/8" 5-1/2" 14# 3200." 400± sx "C"	+ 2% CaCl ₂ (Circ)
' Est. Top Ce	ment - 1800
•	
Propose to drill to 3200'± to test Grayburg and intermediate formation	ons. Past ID-1 9-13-71
This well is within the Designated Potash Area but outside of the NMO	
R-111-P Area.	OCD You Soct HF.
Productive zones will be selectively perforated and stimulated.	
See attached "SUPPLEMENTAL DRILLING DATA".	
EXP. INT 2-12-96 30-015-26833	

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive some 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 2

BIGNED SERRY LONG	Permit Agent	June 16, 1991
(This space for Federal or State office use)	. APPROVAL DATE	
APPROVAL SUBJECTALTO ANY:	TITUE CONSTANT OF T	DATE 9-9-9/

GENERAL REQUIREMENTS AND

SPECIAL STIPULATIONS

*See Instructions On Reverse Side 4 STACHED

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.