### SUBMIT IN TRIPLICATE. (Other instructions on reverse side)

Form approved

#### UNITED STATES DEPARTMENT OF THE INTERIOR

Budget	Bureau	No.	<b>42-</b> R1 <b>42</b> 5.	

on time required for approvals, rig availability and the weather.  No abnormal pressures or poisonous gases are anticipated in this well  Gas is dedicated.  On CON  IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive some and increased necessaries are proposed is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true votical depths. 3Give blo preventer program, if any.  RECEIVED	A DDI ICATION	CEOLO		<b>=</b> 3/		1
DEPEN DE LE STOPPE DE LE	A DDI ICATION					
DRILL DEPTH PLUG BACK   TOWNS   TOWNS	AFFLICATION	N FOR PERMIT	TO DRILL, I	DEEPEN, OR PLUG	BACK	6. IF INDIAN, ALLOTTER OF TRIBE NAM
DRIPLE DEPTER   PLOUGH ACT    WITH CONTROL OF STATES   SUPPLE   SUPPLE    A MANUE OF OPERATOR   P. O. DY CHAPTER   P. O. DY CHA	1a. TYPE OF WORK					7 THY ACRES WAY NAME
OTHER OF OTHER THE SOUR SHAPE OF STATE		ILL X	DEEPEN (	PLUG BA	ox □	
EARLY OF PROCESS OF PROPOSED CASING STATES  SINGE OF BOLLY STATES  A LOCATION OF OPERATORS  1. ALCOHOLD OF OPERATORS  1. A	<b>-</b>			TILUM FT MULTI	PLE C	S TIPL OF THE NAME
Southland Royalty Company  **ADDRESS OF PRESSATOR** P. O. Drawer 570, Farmington, New Mexico  **Location of wall (Report location clearly and in accordance with any State requirements.*)  **A proposed prod. some  **ISO' FSL & 790' FWL  **At proposed prod. some  **ISO' FSL & 790' FWL  **At proposed prod. some  **Section 11, TSIN, RI  **I. DEPLACE IN MILES AND DESCRIPTOR FROM WILLEST TOWN OR FORT OFFICE!*  **Section 11, TSIN, RI  **I. DEPLACE THE MILES AND DESCRIPTOR FROM WILLEST TOWN OR FORT OFFICE!*  **Some of the state	WELL W	FELL X OTHER			<u> </u>	
3. ADDRESS OF OFFICIATION 4. INCREMENT OF OFFICENCE 4. INCREMENT OF STATE OF REAL PROPOSED CASING AND CEMENTING PROGRAM 5. INCREMENT OF STATE AND CONTROL PROPOSED CASING AND CEMENTING PROGRAM 6. INCREMENT OF STATE AND CONTROL PROPOSED CASING AND CEMENTING PROGRAM 6. INCREMENT OF STATE AND CONTROL PROPOSED CASING AND CEMENTING PROGRAM 6. INCREMENT OF PROPOSED CASING AND CEMENT OF PROPOSED CASING AND CEMENTING PROGRAM 6. INCREMENT OF PROPOSED CASING AND CEMENTING PROGRAM 6. INCREMENT OF PROPOSED CASING AND CEMENTING PROGRAM 6. INCREMENT OF PROPOSED CASING AND CEMENT OF PROPOSED		D 14 C				· · · · · · · · · · · · · · · · · · ·
P. O. Drawer 570, Farmington, New Mexico  10. File Abo Pool, Go Wilson  11. Section 11. Table Abo Pool, Go Wilson  12. CORPTO SEN WELL (Export location clearly and in accordance with any State requirements.)  14. Distance in Miles And Disaction From Names Town On Pool Office  15. Distance in Miles And Disaction From Names Town On Pool Office  16. Distance in Miles And Disaction From Names Town On Pool Office  18. Distance In Miles And Disaction From Names Town On Pool Office  19. No. OF ACESS IN LEASE  ** Like Any Pool Pool Pool Office  19. No. OF ACESS IN LEASE  ** Like Any Pool Pool Pool Office  19. No. OF ACESS IN LEASE  ** Like Any Pool Pool Pool Office  19. No. OF ACESS IN LEASE  ** Like Any Pool Pool Pool Office  19. No. OF ACESS IN LEASE  ** Like Any Pool Pool Pool Office  19. No. OF ACESS IN LEASE  ** Like Any Pool Pool Pool Office  19. No. OF ACESS IN LEASE  ** Like Any Pool Pool Pool Office  19. No. OF ACESS IN LEASE  ** Any United Any Office  19. No. OF ACESS I		Royalty Compar	ıy		ţ:	
A AND STATUTE OF WELL (Report location clearly and in accordance with any State requirements.)  15.00 FSL & 790' FWL  At proposed prod. sone  16. Distracts IN HILLS AND DIRECTION FROM PRAISEST NOWS OR POST OFFICE*  8 miles northwest of Aztec, New Mexico  10. Distracts FROM PROPOSED*  11. PROPOSED LISTS IN HILLS AND DIRECTION FROM PRAISEST NOWS OR POST OFFICE*  10. DISTRACT FROM PROPOSED LOCATION*  11. PROPOSED DEFTH  12. COUNTY OF FARINS   18. PROPOSED DEFTH  13. DISTRACT FROM PROPOSED LOCATION*  14. DISTRACT FROM PROPOSED LOCATION*  15. PROPOSED DEFTH  16. NOW AND PROPOSED LOCATION*  16. NO ACCESS IN LABB.  17. NO. OF ACCESS AND AND IN ACCESS IN LABB.  18. PROPOSED DEFTH  20. ROTALT OR CALLE VOICE  21. ROTALT OR CALLE VOICE  22. PROPOSED CASING AND CEMENTING PROGRAM  23. PROPOSED CASING AND CEMENTING PROGRAM  24. PROPOSED LISTS OF ACCESS AND ACCESS IN LABB.  25. ACCESS AND ACCESS AND ACCESS AND ACCESS IN LABB.  26. ROTALT OR CALLE VOICE  26. ROTALT OR CALLE VOICE  27. ROTALT OR CALLE VOICE  28. SAJ4"  29. PROPOSED CASING AND CEMENTING PROGRAM  29. ROTALT OR CALLE VOICE  20. ROTALT OR CALLE VOICE  21. PROPOSED LABIS OR CALLE VOICE  21. ROTALT OR CALLE VOICE  22. ROTALT OR CALLE VOICE  23. PROPOSED LABIS OR CALLE VOICE  24. PROPOSED LABIS OR CALLE VOICE  25. ROTALT OR CALLE VOICE  26. ROTALT OR CALLE VOICE  27. ROTALT OR CALLE VOICE  28. ROTALT OR CALLE VOICE  29. ROTALT OR CALLE VOICE  20. ROTALT OR CALLE VOICE  20. ROTALT OR CALLE VOICE  21. ROTALT OR CALLE VOICE  21. ROTALT OR CALLE VOICE  22. ROTALT OR CALLE VOICE  23. ROTALT OR CALLE VOICE  24. ROTALT OR CALLE VOICE  25. ROTALT OR CALLE VOICE  26. ROTALT OR CALLE VOICE  26. ROTALT OR CALLE VOICE  27. ROTALT OR CA	<del>-</del> :	F70 F:	Nav. 1	lawi aa		, · <del>-</del>
At surface  1520' FSL & 790' FWL At proposed prod. some  16. DEPARTMENT FOR MISS AND DESCRIPTOF FROM NEARBEST FOWN OR FOST COFFICE*  8 miles northwest of Aztec, New Mexico  16. DEPARTMENT FOR PROPOSED CACATION*  17. PLANS AND PROPOSED CACATION*  18. NO. OF ACRES IN LEASE  PROPOSED CASHING AND FORCES CACATION*  19. PROPOSED DEPARTMENT OF PROPOSED CACATION*  10. DEPARTMENT FOR PROPOSED CACATION*  10. DEPARTMENT FOR PROPOSED CACATION*  10. DEPARTMENT WILL DEALING, COMPLETED, OR AFTER DOOR  11. HEAVIOUS (Show whether DF, RT, GR, etc.)  12. 1/4"  12. 1/4"  13. 56  200'  13. 65284' GR  12. 1/4"  14. 1/4"  15. 58  4886'  200'  10. SSX (125 Cu. ft.)  12. 1/4"  10. 58  4886'  200'  10. SSX (125 Cu. ft.)  11. DEPARTMENT STATES AND STATES AND STATES OF STATES AND STATES AND STATES OF STATES AND STATES AND STATES AND STATES OF STATES AND STATES						
As proposed prod. Some Section 11, T31N, R1  14. DISTANCE IN MILES AND DIRECTION FROM REARBET TOWN OR POST OFFICE*  15. DISTANCE PROV FROM PRISE 18. SECTION 11, T31N, R1  16. DISTANCE FOR FROM PRISE 18. SAN JUAN   New Mexico    16. DISTANCE PROV FROM FROM REARBET TOWN OR POST OFFICE*  17. No. OFFICER REARBENDED PROFITS TOWN THE WALL.    18. DISTANCE FROM FROM FROM FROM REARBET TOWN OR POST OFFICE*  18. DISTANCE FROM FROM FROM FROM REARBET TOWN OR POST OFFICE*  18. DISTANCE FROM FROM FROM FROM IN THE MEN OF THE WALL.    18. DISTANCE FROM FROM FROM IN THE MEN OF THE WALL.    18. DISTANCE FROM FROM FROM IN THE POST OF THE WALL.    18. DISTANCE FROM FROM FROM IN THE POST OF THE WALL.    18. DISTANCE FROM FROM FROM IN THE POST OF THE WALL.    18. DISTANCE FROM FROM FROM IN THE POST OF THE WALL.    18. DISTANCE FROM FROM FROM IN THE POST OF THE WALL.    18. DISTANCE FROM FROM FROM FROM IN THE POST OF THE WALL.    18. DISTANCE FROM FROM FROM FROM FROM FROM FROM FROM	4. LOCATION OF WELL (K At surface	seport location clearly an	n in accordance wit	in any scate requirements.		
Section II, 131A, 18.   Section 11, 131A, 18.   Section II, 18.   Section III, 18.   Section III.	1520' FSL	& 790' FWL	•		٠	AND SURVEY OR AREA
14. DISTANCE IN MILES AND DIRECTION FROM WEAREST TOWN OR PORT OFFICE*  8 miles northwest of Aztec, New Mexico  15. DISTANCE FROM FROM PROPOSED.  16. No. OF ACRES IN LEASE  17. No. OF ACRES IN LEASE  18. DISTANCE FROM FROM PROPOSED.  19. PROPOSED LOCATION*  18. DISTANCE FROM FROM PROPOSED LOCATION*  19. TREAD PR	At proposed prod. son	ne				Section 11 T31N R12
8 miles northwest of Aztec, New Mexico  10. DEFARCE FROM FRODORED* LOCATION FOR PRESENTE LOCATION* LOCATION FROM FREE PROPERTY PROPERTY LOCATION* LOCATION FROM FREE PROPERTY LOCATION* LOCATION FROM FREE PROPERTY LOCATION* LOCATION FROM FROM FROM LOCATION* LOCATION FROM FROM LOCATION*  10. DEFARCE FROM FROM FROM LOCATION* LOCATION FROM FROM FROM LOCATION*  21. ELEVATIONS (Show whether DF. RT. GR. etc.)  22. AFFROM ABER VOICE AND WELLET OF CABLEY OUT AND LOCATION* LOCATION FROM WELLET OF CABLEY OF CABLEY OUT AND LOCATION* LOCATION FROM WELLET OF CABLEY OF CABLEY OUT AND LOCATION*  RILE OF HOLE  8128 OF CABLEY OF CABLEY OF CABLEY OF CABLEY OUT AND LOCATION* 12-1/4" 9-5/8" 306# 2001 106 SSS (125 Cu. ft.) 11-1/2" 10.5# 4837!-7000' 240 SSS (356 Cu. ft.) 27-3/8"  4.7# 7497' 304 SSS (356 Cu. ft.) 27-3/8" 4.7# 7497' 304 SSS (354 Cu. ft.)  Top of Cliff House sand is at 2810'.  Top of Cliff House sand is at 4365'.  Fresh water mud will be used to drill from intermediate depth to total depth.  It is anticipated that an IES and a GR-Density log will be run at intermediate depth.  An air system will be used to drill from intermediate depth to total depth.  It is expected that this well will be drilled before September 31, 1979  OIL CON CONTRO	14 premius tu turine	AND DIDECTION POON NE	PROT TOWN OF POR	T OFFICE	<del></del>	
16. Mo. OF ACERS IN LEASE PROPOSED TO PLANET PROVIDED LIVES, PROPOSED TO PROPO						• •
18. DECATION TO PARSET PROPERTY OF PROPERTY PROPERTY OF LARGE LARG			Too, New Mor		17. NO. C	
(Also to nearest drig, unit line, if any)  (B. Disparage proof proposed location)  (C. Applications of Price Labor 1970 and 1970	LOCATION TO NEARES!	T				HIS WELL
TO HARREY WELL, DELLUM, COMPLETED, OR AFFLED FOR ON THE LEASE, 17. 333' 7497' ROTATY  RELEVATIONS (Show whether DF, RT, GR. etc.)  6284' GR  PROPOSED CASING AND CEMENTING PROGRAM  PROPOSED CASING AND CEMENTING PROGRAM  12-1/4" 9-5/8" 36# 200' 106 sxs (125 cu. ft.)  8-3/4" 7" 20# 5047' 104 sxs (154 cu. ft.) 1st.  6-1/4" 4-1/4" 10.5# 4897:-7000' 240 sxs (356 cu. ft.) 2nd  2-3/8" 4.7# 7497'  Surface formation is Nacimiento.  Top of Ojo Alamo sand is at 1520'.  Top of Cliff House sand is at 2810'.  Top of Cliff House sand is at 4363'.  Fresh water mud will be used to drill from intermediate depth to total depth.  An air system will be used to drill from intermediate depth to total depth.  It is anticipated that an IES and a GR-Density log will be run at intermediate depth.  It is anticipated that an GR-Density and a GR-Induction log will be run at total depth.  It is expected that this well will be drilled before September 31, 1979 1113' depth on time required for approvals, rig availability and the weather.  No abnormal pressures or poisonous gases are anticipated in this well  Gas is dedicated.  OUT ONLY  (This space for Federal or State office use)  PREMIT NO.  APPROVAL DATE IL S. GEOLOGICAP SURVES  CRAMINGTON IN A.  APPROVAL DATE IL S. GEOLOGICAP SURVES  CRAMINGTON IN A.  APPROVAL DATE IL S. GEOLOGICAP SURVES  CRAMINGTON IN A.  APPROVAL DATE IL S. GEOLOGICAP SURVES  CRAMINGTON IN A.  APPROVAL DATE IL S. GEOLOGICAP SURVES  CRAMINGTON IN A.  APPROVAL DATE IL S. GEOLOGICAP SURVES  CRAMINGTON IN A.  APPROVAL DATE IL S. GEOLOGICAP SURVES  CRAMINGTON IN A.  APPROVAL DATE IL S. GEOLOGICAP SURVES  CRAMINGTON IN A.  APPROVAL DATE IL S. GEOLOGICAP SURVES  CRAMINGTON IN A.  APPROVAL DATE IL S. GEOLOGICAP SURVES  CRAMINGTON IN A.  APPROVAL DATE IL S. GEOLOGICAP SURVES  CROMITIONS OF APPROVAL, HEAVY:	(Also to nearest drl	g. unit line, if any)	ं रेशः		- 00	
H. ELEVATIONS (Show whether DF, RT, GR, etc.)  (22 APPROX. DATE WORK WILL ETC.  (284 ° GR  PROPOSED CASING AND CEMENTING PROGRAM  BIER OF BOLE  SIER OF CASING  SIER OF BOLE  SIER OF CASING  WEIGHT PER FOOT  SOUTH 106 SXS (125 cu. ft.)  8-3/4"  7"  20#  5047'  104 SXS (135 cu. ft.) 1st.  6-1/4"  4-1/2"  4-1/2"  10.5#  4897'-7000'  7497'  Surface formation is Nacimiento.  Top of Ojo Alamo sand is at 1520'.  Top of Cliff House sand is at 4363'.  Fresh water mud will be used to drill from intermediate depth to total depth.  An air system will be used to drill from intermediate depth to total depth.  It is anticipated that an IES and a GR-Density log will be run at intermediate depth.  It is anticipated that an IES and a GR-Density log will be run at intermediate depth.  It is expected that this well will be drilled before September 31, 1979  It is expected that this well will be drilled before September 31, 1979  It is expected that this well will be drilled before September 31, 1979  It is expected that preprovals, rig availability and the weather.  No abnormal pressures or poisonous gases are anticipated in this well  Gas is dedicated.  OCC  CON  CON  (This space for Federal or State office use)  PERMIT NO.  APPROVAL DAYS 11. S. CEOLOGICAY SURVES  CREMINGTON N. B.  APPROVAL DAYS 11. S. CEOLOGICAY SURVES  CONDITIONS OF APPROVAL IF ANY:	TO NEAREST WELL, D	RILLING, COMPLETED,			ZU. RUTA	ET OR CABLE TOOLS
BIER OF HOLE SIZE OF CARINO WEIGHT PER POOT SETTING DEPTH QUANTITY OF CEMENT 12-1/4" 9-5/8" 36# 200' 106 sxs (125 cu. ft.)  8-3/4" 7" 20# 5047' 104 sxs (124 cu. ft.) 1st 6-1/4" 4-1/4" 10.5# 4897'-7000' 304 sxs (356 cu. ft.) 2nd 4.7# 7497'  Surface formation is Nacimiento.  Top of Ojo Alamo sand is at 1520'.  Top of Pictured sand is at 2810'.  Top of Cliff House sand is at 4363'.  Fresh water mud will be used to drill from intermediate depth to total depth.  It is anticipated that an IES and a GR-Density log will be run at intermediate depth It is anticipated that a GR-Density and a GR-Induction log will be run at total depth It is expected that this well will be drilled before September 31, 1979 (1979) (197			3331	7497'	1	
BIZE OF BOLE  SIZE OF BOLE  SIZE OF BOLE  SIZE OF CASING  SIZE					· .	
SIZE OF BOLE  SIZE OF BOLE  SIZE OF CASING  WEIGHT FER FOOT  BETTING DEPTH  12-1/4"  9-5/8"  36#  200'  106 SXS (125 cu. ft.)  8-3/4"  7"  20#  5047'  4-1/4"  10.5#  48071-7000'  240 SXS (356 cu. ft.) 1st  6-1/4"  4-1/4"  10.5#  10.5#  4.7#  7497'  Surface formation is Nacimiento.  Top of Ojo Alamo sand is at 1520'.  Top of Pictured sand is at 2810'.  Top of Cliff House sand is at 2810'.  Top of Cliff House sand is at 4363'.  Fresh water mud will be used to drill from intermediate depth to total depth.  An air system will be used to drill from intermediate depth to total depth.  It is anticipated that an IES and a GR-Density log will be run at intermediate depth.  It is anticipated that a GR-Density and a GR-Induction log will be run at total depth.  It is expected that this well will be drilled before September 31, 1979  on time required for approvals, rig availability and the weather.  No abnormal pressures or poisonous gases are anticipated in this well  Gas is dedicated.  **ADOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive some and object for howeverter program. If any.  **APPROVAL DATE IS GEOLOGICAF SURVE!  CONDITIONS OF APPROVAL, IF ANY:  **TITLE**  DATE  **DATE  DATE  DATE  **CONDITIONS OF APPROVAL, IF ANY:  **TITLE**  DATE  **CONDITIONS OF APPROVAL, IF ANY:  **TITLE**  DATE  **DATE  **CONDITIONS OF APPROVAL, IF ANY:  **TITLE**  DATE  **DATE  **TITLE**  DATE  **DATE  **TITLE**  DATE  **DATE  **TITLE**  DATE  **DATE  **TITLE**  DATE  **TITLE**  DATE  **DATE  **TITLE**  DATE  **DATE  **TITLE**  DATE  **TITLE**  DA						August 31, 19/9
12-1/4" 9-5/8" 36# 200' 106 sxs (125 cu. ft.) 8-3/4" 7" 20# 5047' 104 sxs (154 cu. ft.) 1st 6-1/4" 4-1/4" 10.5# 48971-7000' 240 sxs (336 cu. ft.) 2nd 4-1/2" 2-3/8" 4.7# 7497'  Surface formation is Nacimiento. Top of Ojo Alamo sand is at 1520'. Top of Pictured sand is at 2810'. Top of Cliff House sand is at 4363'. Fresh water mud will be used to drill from surface to intermediate depth. An air system will be used to drill from intermediate depth to total depth. It is anticipated that an IES and a GR-Density log will be run at intermediate depth is anticipated that as GR-Density and a GR-Induction log will be run at total depth. It is expected that this well will be drilled before September 31, 1979 on time required for approvals, rig availability and the weather. No abnormal pressures or poisonous gases are anticipated in this well Gas is dedicated.  **ABOVE SPACE DESCRIBE PROPOSED PROCEAM: If proposal is to deepen or plus back, give data on present productive knowled of Direction and the second	23.	:	PROPOSED CASIA	NG AND CEMENTING PROGR	AM	and the second second
8-3/4" 7" 20# 5047' 10.4 xxs (154 cu. ft.) 1st 6-1/4" 4-1/4" 10.5 # 7897' 7000' 240 5xs (356 cu. ft.) 2nd 4-1/2" 2-3/8" 4.7 7497'  Surface formation is Nacimiento. Top of Ojo Alamo sand is at 1520'. Top of Pictured sand is at 2810'. Top of Cliff House sand is at 2810'. Top of Cliff House sand is at 4363'. Fresh water mud will be used to drill from surface to intermediate depth. An air system will be used to drill from intermediate depth to total depth. It is anticipated that an IES and a GR-Density log will be run at intermediate depth It is anticipated that a GR-Density and a GR-Induction log will be run at total depth. It is expected that this well will be drilled before September 31, 1979 on time required for approvals, rig availability and the weather. No abnormal pressures or poisonous gases are anticipated in this well Gas is dedicated.  W AROUTE SPACE DESCRIBE PROPOSED PROOBED PROOBED IS to deepen or plug back, give data on present productive someward for approval one. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and struct the following of the proof of the following of appearance and struct of the following	SIZE OF HOLE	BIZE OF CARING	WEIGHT PER P	DOT SETTING DEPTH	1	QUANTITY OF CEMENT
Surface formation is Nacimiento. Top of Ojo Alamo sand is at 1520'. Top of Pictured sand is at 2810'. Top of Cliff House sand is at 4363'. Fresh water mud will be used to drill from surface to intermediate depth. An air system will be used to drill from intermediate depth to total depth. It is anticipated that an IES and a GR-Density log will be run at intermediate depth. It is anticipated that a GR-Density and a GR-Induction log will be run at total depth. It is expected that this well will be drilled before September 31, 1979. It is expected that this well will be drilled before September 31, 1979. On time required for approvals, rig availability and the weather. No abnormal pressures or poisonous gases are anticipated in this well Gas is dedicated.  OCT ON CONTROLLED BESCHIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive some and believe the data on subsurface locations and measured and sever rotted depths.  SECTION OF THE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive some and believe blocked.  PERMIT NO.  APPROVAL DATE ILS GEOLOGICAP SURVES ORMINISTON N.  APPROVAL DATE ILS	12-1/4"	9-5/8''	36#	2001	106 s	
Surface formation is Nacimiento. Top of Ojo Alamo sand is at 1520'. Top of Pictured sand is at 2810'. Top of Cliff House sand is at 4363'. Fresh water mud will be used to drill from surface to intermediate depth. An air system will be used to drill from intermediate depth to total depth. It is anticipated that an IES and a GR-Density log will be run at intermediate depth. It is anticipated that a GR-Density and a GR-Induction log will be run at total depth. It is expected that this well will be drilled before September 31, 1979. It is expected that this well will be drilled before September 31, 1979. On time required for approvals, rig availability and the weather. No abnormal pressures or poisonous gases are anticipated in this well Gas is dedicated.  OCT ON CONTROLLED BESCHIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive some and believe the data on subsurface locations and measured and sever rotted depths.  SECTION OF THE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive some and believe blocked.  PERMIT NO.  APPROVAL DATE ILS GEOLOGICAP SURVES ORMINISTON N.  APPROVAL DATE ILS	8-3/4"	7''	20#	5047'	104 s	xs (154 cu. ft.) 1st S
Surface formation is Nacimiento.  Top of Ojo Alamo sand is at 1520'.  Top of Pictured sand is at 2810'.  Top of Cliff House sand is at 4363'.  Fresh water mud will be used to drill from surface to intermediate depth.  An air system will be used to drill from intermediate depth to total depth.  It is anticipated that an IES and a GR-Density log will be run at intermediate depth it is anticipated that a GR-Density and a GR-Induction log will be run at total depth.  It is expected that this well will be drilled before September 31, 1979 and the required for approvals, rig availability and the weather.  No abnormal pressures or poisonous gases are anticipated in this well  Gas is dedicated.  **ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive some and broad above venter program. If any.  **ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive some and broad above venter program. If any.  **ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive some and broad above venter program. If any.  **ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive some and broad above venter program. If any.  **ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive some and broad above venter program. If any.  **ABOVE SPACE DESCRIBE PROPOSED PROPO	6-1/4"	4-1/4!!	10.5#	4897:-7989:		
(This space for Federal or State office use)  PERMIT NO	Top of Cliff	House sand is mud will be use	at 4363'.	from surface to in	termedi	ate depth.
(This space for Federal or State office use)  PERMIT NO	An air system It is anticipated in the system It is anticipated in the system It is expected on time region in the system No abnormal pages is dedicated in above space described to the system of the system in the system is an in the system of the system of the system in the system is an in the system of the s	pated that an I pated that a GR ed that this we equired for appressures or posted.  PROPOSED PROGRAM: If drill or deepen direction	ES and a GR R-Density and ell will be provals, rig pisonous gas	R-Density log will and a GR-Induction log drilled before Sept availability and sees are anticipated	be run og will tember the wea in thi	at intermediate depth.  be run at total depth.  31, 1979. This depend ther.  s well  OCI 21979  uctive sone and physical acceptance.
APPROVED BY TITLE DATE  CONDITIONS OF APPROVAL, IF ANY:	An air system It is anticipated in the system It is anticipated in the system It is expected on time region in the system No abnormal pages is dedicated in above space described to the system of the system in the system is an in the system of the system of the system in the system is an in the system of the s	pated that an I pated that a GR ed that this we equired for appressures or posted.  PROPOSED PROGRAM: If drill or deepen direction	ES and a GR R-Density and all will be provals, right of the proposal is to deep ally, rive pertinent	density log will and a GR-Induction log drilled before Sept availability and ses are anticipated sen or plug back, give data on subsurface locations a	be run og will tember the wea in thi	at intermediate depth. be run at total depth. 31, 1979. This depend ther. s well  O(1 CCN  CCN  uctive sone and solve block  A Control of the
APPROVED BY TITLE DATE	An air system It is anticipated in the system It is anticipated in the system It is expected on time region in the system No abnormal pages is dedicated in above space described to the system of the system in the system is an in the system of the system of the system in the system is an in the system of the s	pated that an I pated that a GR ed that this we equired for appressures or posted.  PROPOSED PROGRAM: If drill or deepen direction	ES and a GR R-Density and all will be provals, right of the proposal is to deep ally, rive pertinent	density log will and a GR-Induction log drilled before Sept availability and ses are anticipated sen or plug back, give data on subsurface locations a	be run og will tember the wea in thi	at intermediate depth. be run at total depth. 31, 1979. This depends ther. s well  OCT  ON CON  uctive some and objected accorded and true vertical depths. 3Give bloometical depths.
APPROVED BY TITLE DATE	An air system It is anticipated in anticipated in the result of the resu	pated that an I pated that a GR ed that this we equired for appressures or posted.  PROPOSED PROGRAM: If drill or deepen direction.	ES and a GR R-Density and all will be provals, right of the proposal is to deep ally, rive pertinent	density log will and a GR-Induction log drilled before Sept availability and ses are anticipated sen or plug back, give data on subsurface locations a	be run og will tember the wea in thi	at intermediate depth. be run at total depth. 31, 1979. This depends ther. s well  OCT  ON CON  uctive some and objected accorded and true vertical depths. 3Give bloometical depths.
CONDITIONS OF APPROVAL, IF ANY:	An air system It is anticipolic is anticipolic in the result of the result in the resu	pated that an I pated that a GR ed that this we equired for appressures or posted.  PROPOSED PROGRAM: If drill or deepen direction.	ES and a GR R-Density and all will be provals, right of the proposal is to deep ally, rive pertinent	de a GR-Induction le drilled before Sept availability and ses are anticipated sen or plug back, give data on per data on subsurface locations a District Production	be run og will tember the wea in thi	be run at total depth.  31, 1979. Fifts depend ther. s well  Off CON uctive sone and physical necessity and true vertical depths. 3Give blooding  Sept. 27, 197
CONDITIONS OF APPROVAL, IF ANY:	An air system It is anticipolic is anticipolic in the result of the result in the resu	pated that an I pated that a GR ed that this we equired for appressures or posted.  PROPOSED PROGRAM: If drill or deepen direction.	ES and a GR R-Density and all will be provals, right of the proposal is to deep ally, rive pertinent	de a GR-Induction le drilled before Sept availability and ses are anticipated sen or plug back, give data on per data on subsurface locations a District Production	be run og will tember the wea in thi	be run at total depth 31, 1979. This depend ther. s well  Off CON 1979  uctive sone and shaped neck odder and true vertical depths. 3Give bloom 1979  Sept. 27, 1979
Magine Orden Frante-4, and L.L. stion effective Gain 1979 *See Instructions On Reverse Side	An air system It is anticipated in the system of the result of the resul	pated that an I pated that a GR ed that this we equired for appressures or posted.  PROPOSED PROGRAM: If drill or deepen direction.	ES and a GR R-Density and all will be provals, right of the proposal is to deep ally, rive pertinent	de a GR-Induction le drilled before Sept availability and ses are anticipated sen or plug back, give data on per data on subsurface locations a District Production	be run og will tember the wea in thi	be run at total depth 31, 1979. This depend ther. s well  Off CON 1979  uctive sone and shaped neck odder and true vertical depths. 3Give bloom 1979  Sept. 27, 1979
Magica Order Franti-V. U.S. L. L.  tion effecture Guly 1979 *See Instructions On Reverse Side	An air system It is anticipated in anticipated in the sepect on time reconstruction on the sepect on time reconstruction abnormal gas is dedicated in above space described in above space for Federal No.  Approved by	pated that an I pated that a GR ed that this we equired for appressures or posted.  France Proposed Program: If drill or deepen direction y.  France Control of State office use	ES and a GR R-Density and all will be provals, rigorous gas proposal is to deep ally give pertinent	de a GR-Induction le drilled before Sept availability and ses are anticipated sen or plug back, give data on gradata on subsurface locations a CRE District Production of the	be run og will tember the wea in thi	be run at total depth.  31, 1979. This depend ther.  5 well  OCI  CON  uctive sone and shared accapance vertical depths. 3Give blooding the sone and shared accapance with the sone and some sone sone and some sone sone and some sone and some sone sone and some sone sone and some sone sone and some sone sone sone sone sone sone sone son
tion elienture Galy 1979 *See Instructions On Reverse Side	An air system It is anticipolic is anticipolic is anticipolic in the system on time reconstruction on time reconstruction of abnormal possible described in above space for Federal No.  Approved by	pated that an I pated that a GR ed that this we equired for appressures or posted.  France Proposed Program: If drill or deepen direction y.  France Control of State office use	ES and a GR R-Density and all will be provals, rigorous gas proposal is to deep ally give pertinent	de a GR-Induction le drilled before Sept availability and ses are anticipated sen or plug back, give data on gradata on subsurface locations a CRE District Production of the	be run og will tember the wea in thi	be run at total depth.  31, 1979. This depend ther.  5 well  OCI  CON  uctive sone and shared accapance vertical depths. 3Give blooding the sone and shared accapance with the sone and some sone sone and some sone sone and some sone and some sone sone and some sone sone and some sone sone and some sone sone sone sone sone sone sone son
ALALO CO	An air system It is anticipolic is anticipolic is anticipolic in the system on time reconstruction on time reconstruction of abnormal possible described in above space for Federal No.  Approved by	pated that an I pated that a GR ed that this we equired for appressures or posted.  France Proposed Program: If drill or deepen direction y.  France Control of State office use	ES and a GR R-Density and all will be provals, rigorous gas proposal is to deep ally give pertinent	de a GR-Induction le drilled before Sept availability and ses are anticipated sen or plug back, give data on gradata on subsurface locations a CRE District Production of the	be run og will tember the wea in thi	be run at total depth.  31, 1979. Fifts depend ther. s well  Off CON uctive sone and physical necessity and true vertical depths. 3Give blooding  Sept. 27, 197
	An air system It is anticipolic is anticipolic is anticipolic in the system on time reconstruction on time reconstruction of abnormal possible described in above space for Federal No.  Approved by	pated that an I pated that a GR ed that this we equired for appressures or posted.  France Proposed Program: If drill or deepen direction y.  France Control of State office use	ES and a GR R-Density and all will be provals, rigorous gas proposal is to deep ally give pertinent	APPROVAL DATE APPROVAL DATE SAME	be run og will tember the wea in thi	at intermediate depth be run at total depth 31, 1979. This depend ther. s well  OIL CON 1979  uctive some and phresed acceptable and true vertical depths. 3Give blog Sept. 27, 1979  AL SURVE

## OIL CONSERVATION DIVISION

STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT

# P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-107 Revised 10-1-78

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

Operator			Lease				Well No.
	ROYALTY COMPA	NY		VIS			7-E
Unit Letter	Section	Township	. Romo	ie	County		
L	11	31N		12W	San	Juan	
Actual Footage Loc	ation of Well:						
1520	feet from the So	uth line on	790	fee	from the	West	line
Ground Level Elev.	Producing Form	nation	Pool			Dedice	ated Acreage: 304.39 — Acres
6284	Dakota		Basi	n Dakota			304.39 Acres
1. Outline the	e acreage dedicat	ted to the subject v	well by co	lored pencil o	r hachure	marks on the plat	t below.
		dedicated to the we	ll, outline	each and ide	ntify the o	ownership thereof	(both as to working
interest an	id royalty).						
			1 10				
				to the well,	have the i	interests of all o	wners been consoli-
dated by c	ommunitization, u	nitization, force-poo	ling. etc?				
— ·	C N T		of consoli	dation			
Yes	No If an	swer is "yes;" type	OI COUROII	uativii			
If annual S	ie "no" liet the	owners and tract des	criptions	which have ac	tually bee	en consolidated. (	Use reverse side of
	necessary.)		Puono				
		d to the well until a	ll interest	s have been c	onsolidate	ed (by communiti	ization, unitization.
lassey-book	ling or otherwise)	or until a non-stands	ırd unit. el	iminating suc	h interest	s. has been appro	oved by the Commis-
sion.	ing, or otherwise,	Or until a non-banda	,			-,	,
5704.						1	
		1		[ 		CER.	TIFICATION
1	!			i	1		
	ł			1			that the information con-
1	, I	11		1		3	true and complete to the
	!	11		1		best of my knowl	ledge and belief.
0	ı	ll l		1			$\sim$
<b> </b>   •	1			I	1_	Name	///
<b> </b>	+						2)/m /2m
	ı	11		1 .		Position	
	١.*			Ī		District Prod	duction Manager
	. 1			1		Company	
	i		•	<u> </u>		Southland Ro	yalty Company
	1			!		Date 27	1070
	Se	c.		<u> </u>		September 27	, 1979
			····	· <del> </del>			
	f	.		i	- [		
	ŧ	11		1	l	1	that the well location
	i i					ł ·	at was plotted from field
	!			11.	1		surveys made by me or
	j i		$f_{-p_{\alpha}}$	i		l ·	ision, and that the same
7901	. !		1 _ U _ ;	1 5		1	rest to the best of my
	· l		1 11 12.			knowledge and b	· ·
H	+	#		t ∞ I		1	
	l		\$ 100	10 " /		B-1: 6::-	
	i .		THE PERSON NAMED IN	-	1	Date Surveyed	W.C. TOO
o	1				1	September Prince	25 (1) 1939 Hanal Entinger
	I I		San San	1 -		Registered Profess and/or Land survey	Brish change
	8 1	1				1-11-136	ما قال المعالمة
	1	· II		İ	• ]	10% 13代数	Z. J.S.
<u> </u>						Certificat No.	xico /
		2310 2640 20	00 1500	1000 50	00 0	3950 AFFRR,	JR.
O 330 660 ·	90 1320 1650 1980	2310 2640 200	500	.500	_,		

Location: 1450' FSL & 850' FWL, Section 11, T31N, R12W, San Juan County, New Mexico

Elevation: 6283' GR Field: Basin Dakota

Geology: INTERMEDIATE AND TD DEPTHS ARE CRITICAL. ACCURATE PIPE STRAPS ON LOST BIT

RUNS ARE NECESSARY.

Formation Tops:

7214' Graneros Intermediate 50471 1520' Ojo Alamo 7345' Dakota Point Lookout 5097' 2413' Fruitland Total Depth 7497' Pictured Cliffs 2810' 6452' Gallup Greenhorn 7158' 4363' Cliff House

IES & GR-Density at Intermediate TD to 1500'. Logging Program:

GR-Density and GR-Induction at total depth

None Coring Program:

Gauge at last connection above Point Lookout, Dakota and at TD Natural Gauges:

Gauge any increase in gas flow.

Drilling:

Tool Pusher: Contractor:

325-1841 SRC Ans. Service: 325-7391 Dispatch Number: SRC Representative:

Mud Program:

Materials:

Casing Program:	Hole Size	Depth	Casing Size	Wt. 8	Grade
•	12-1/4"	200'	9-5/8"	36#	K-55
	8-3/4"	5047'	7"	20#	K-55
	6-1/4"	4897'-7000'	4-1/2"	10.5#	K-55
	6-1/4"	7000'-7497'	4-1/2"	11.6#	K-55

Float Equipment:

Pathfinder Guide Shoe, type "A". 9-5/8" Surface Casing:

Pathfinder, Type "A" guide shoe and self-fill insert 7" Intermediate Casing:

float valve. Five Pathfinder rigid centralizers. Run float 2 jts above shoe. Run centralizers every other jt above shoe. Dowell stage tool at 3010: Run cement basket one joint below and five rigid

centralizers above.

Liner hanger with neoprene pack-off. 4-1/2" Liner:

Pathfinder type "AP" guide shoe and type "A" float collar.

Tubing:

9-5/8" X 10", 2000#, casing head. Wellhead Equipment:

10" X 6", 2000#, tubing head.

### DRILLING SCHEDULE - DAVIS #7-E

### Cementing Program:

9-5/8" Surface Casing

106 sxs or (125 cu.ft.) of Class "B" with 1/4# gel flake/sx and 3% CaCl. WOC 12 hours. Test to 600# prior to drilling out. (Volume is 100% excess.)

7" Intermediate Casing:

Stage 1: 104 sxs or (154 cu.ft.) of 50/50 Class "B"
Poz with 6% gel (mixed with 7.2 gals water/sx.
50% excess to cover Cliff House.)

Stage 2: 170 sxs or (336 cu.ft.) of 50/50 Poz with 6% gel followed by 70 sxs of Class "B" with 2% CaCl. (50% excess to cover Ojo Alamo.)

WOC and circulate between stages as required by well conditions. WOC 12 hours. Test to 1000 psi before drilling out. Run temperature survey after 8 hours.

4-1/2" liner:

304 sxs or (454 cu.ft.) of 50/50 Poz with 6% gel, 1/4# gel flake per sx and 6% Halad 9 or equivalent. (70% excess.) If hole gets wet and mist drilling is required, use 358 sxs or (534 cu.ft.) for 100% excess to circulate liner.

Precede cement with 20 barrels gel water.



September 27, 1979

United States Geological Survey P. O. Box 959 Farmington, New Mexico

Attention:

Dear Sir:

Enclosed please find a map showing existing roads and planned access roads to Southland Royalty Company's Davis #7E well. The locations of tank batteries and flow lines will be on location with well. A burn pit will be provided for disposal of trash. Cuttings, drilling fluid and produced fluids will be put into the reserve pit and properly disposed of depending on amount and type of fluids.

Contractor will furnish restroom facilities on location.

There will be no air strips or camps.

Also, encolsed is a location layout showing approximate location of rig, pits and pipe racks and cut required to build this location.

Water supply will be Farmer's Ditch

The location will be restored according to Bureau of Land Management standards. This work will begin when all related construction is finished.

Mr. Ross Lankford will be Southland Royalty Company's field representative supervising these operations.

Yours truly,

L. O. Van Ryan

District Production Manager

LOVR/dg



United States Geological Survey P. O. Box 959 Farmington, New Mexico 87401

Attention:

Dear Sir:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein be performed by Southland Royalty Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved

Date: Sept. 27, 1979

Title: District Production Manager



September 27, 1979

United States Geological Survey P. O. Box 959 Farmington, New Mexico

Attention:

Re: Blowout Preventer Plan

Dear Sir:

All drilling and completion rigs will be equipped with 6" or larger double hydraulic blowout preventers and a hydraulic closing unit with steel lines.

The preventer is 3000# working pressure and 6000# test.

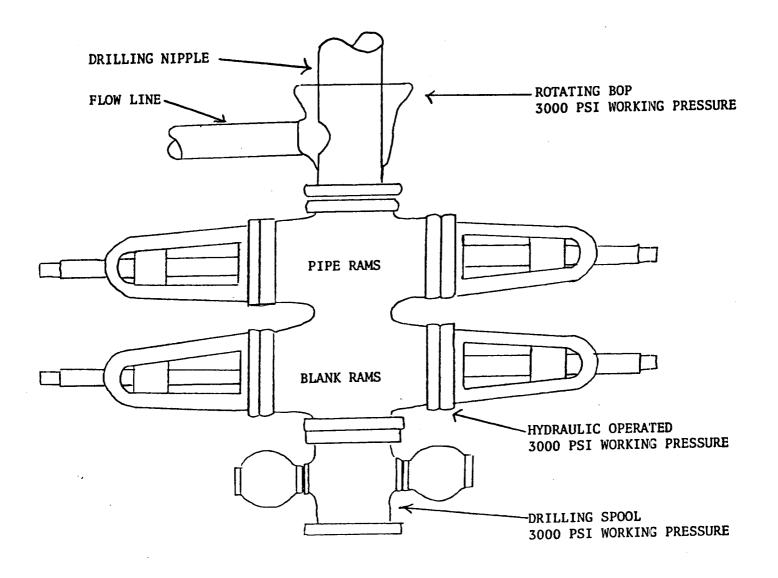
All crews will be thoroughly trained in the operation of this preventer. The preventer will be tested frequently enough to insure proper operation.

Yours truly,

L. O. Van Ryan

District Production Manager

LOVR/dg



PREVENTERS AND SPOOLS ARE TO HAVE THROUGH BORE OF 6" - 3000 PSI OR LARGER

