State of New Mexico Energy, Minerals and Natural Resources Department

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

APPLICATION OR PLUG BAC	FOR PERMIT TO	DRILL, DEEPEN,	API NO.	API NO.(assigned by OCD on new well			
				5. Indicate Type of Lease			
				6. State Oil & Gas Lease No.			
1a. Type of PLUG E b. Type of GAS	BACK		7. Lease Name or Unit Agreement Name SIMMS FEDERAL				
2. Name o	f Operator		8. Well	No.			
	AND ROYALTY COM	MPANY	#2				
P.O. B	s of Operator OX 4289 GTON, NM 87499)	9. Pool BASI	9. Pool Name or Wildcat BASIN FRUITLAND COAL			
SEC. 1	ocation 0 1, T30N, R04W	1120' FSL;		EL			
10. Propos	ed Depth	11. Formati	on	12. Rotary or C.T.			
6911' G				ontractor 16. Est. Start Date			
17.	PROP	OSED CASING AND	CEMENT PRO	GRAM			
SIZE HOLE	SIZE CASING	WT. PER FT. S	ET. DEPTH	SKS OF CEMENT EST. TOP			
				BESEIAEU			
٠.				APR2 3 1990			
	<u>.</u> .			OIL CON. DIV			
ny knowledge	tify that the and belief.	information abov	e is true	and complete to the best of			
SIGNATURE	Madried	(SHL) TITLE	elatory a	Hair DATE 4-20-90			
This space	for State Use)	====== <i>±f</i> £=:	=====	f=====================================			
APPROVED BY Conditions	f approval, if	Busel TITLE	OR & GAS INSPE	CROR, DIST. #3 DATAPR 2.6 1990			
	•	4 -					

Hold 2-10450A CA+103L

REEFIVE GARRES GARRES ON CON. DIV

THE RESIDENCE OF THE PARTY OF T

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

<u>DISTRICT I</u> P.O. Box 1980, Hobbs, NM 88240

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210 DISTRICT III
1000 Rio Brasos Rd., Azise, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

Southland Royalty Company Simms Federal (Fee) South Township A West NATM Rio Arriba Arriba Arriba Lase and 1850 Fost from the East in South 120 fost from the East in South Fruitland Coal Basin 1. Outlies the acrespe destroned to the majorit well by colored peaced or landman marks on the pair below. 2. If more than one lesses is destroned to the well, cutine each and identify the coveramble thereof (both as to working success and royalty). 1. If more than one lesses of different coverable is destroned to the well, bree the internet of all coverage bear consolidated by communication. 1. If more than one lesses of different coverable is destroned to the well, here the internet of all coverage bear consolidated by communication. 1. If more than one lesses of different coverable is destroned to the well, here the internet of all coverage bear consolidated by communication. 1. If more than one lesses of different coverable is destroned of a consolidated by communication. 1. If more than one lesses of different coverable is desirated of an internet and or destroned than the coverable in the coverab	
The form the second process of Well 1120 foot from the South the end 1850 foot from the East the made level flags. Producing Formation 4 Production and Large Producing Formation 5911 for from the South Institute of the subject well by colored penced or backsome state the past below. 1. Outline the across states in dedicated to the subject well by colored penced or backsome merits on the past below. 1. If more than one lease is dedicated to the well, cultime ench and identify the convertibility theory (florith as to working inserted and royshly). 1. If more than one lease of different conventibility is dedicated to the well, have the inserted of all converts been consolidated by commercialization, unimation, force-pooling, etc.? 1. If more than one lease of different conventibility is dedicated to the well, have the inserted of all converts been consolidated by commercialization. 1. If more than one lease of different conventibility is dedicated to the well, have the inserted of all converts been consolidated. (Use neverts seek of Obtaine this form it secondary. 1. If more than one lease of different conventibility is dedicated to the well, below the seek of the secondary. 1. If more than one intended with a same seek of the secondary. 1. If more than one is a secondary. 1. If more than one is a secondary. 2. If more than one is a secondary. 2. If more than one is a secondary. 3. If more than one is a secondary on the secondary of the secondary. 3. If more than one is a secondary on the secondary of the secondary. 3. If more than one is a secondary on the secondary of the secondary. 3. If more than one is a secondary. 4. If more than one is a secondary of the secondary of the secondary. 4. If more than one is a secondary of the secondary of the secondary of the secondary. 4. If more than one is a secondary of the secondary of the secondary of the secondary. 3. If more than one is a secondary of the secondary of the secondary of the secondary. 4. If more than one is a secondary of the secondar	
#Note: Not re-surveyed prebates and immunity	
1120 feet from the South line and 1850 feet from the East line Alread Elev. Producing Formation Pool Fruit1and Coal Basin 320 1. Catine the acrosspe dedicated to the subject well by colored peaced or includes marks on the pair below. 2. If more than one lease is dedicated to the well, catine each and identify the ownership thereof (both as to working inserest and royalty). 1. If more than one lease of different ownership is dedicated to the well, have the inserent of all owners been conscidinated by communication. The communication No	
Producing Formation 6911* Fruit land Coal Basin 320 1. Outline the acrosses dedicated to the subject well by colored pencil or backers marks on the pist below. 2. If more than one lease is dedicated to the well, cutline each and identify the ownership thereof (both as to working inseres and roysky). 1. If more than one lease of different ownership is dedicated to the well, have the inserest of all owners been consolidated by communication. Yea	
1. Oxiding the acrosspe dedicated to the subject well by ocioned pencil or inclines marins on the pint below. 2. If more than one issue of different connection is dedicated to the well, cutting each and identify the connection of all owners been connected and royalty). 3. If more than one issue of different connection is dedicated to the well, have the internet of all owners been connected and royalty). 4. If more than one issue of different connection is dedicated to the well, have the internet of all owners been connected and by communication, unitation, of a precision of the form of incommunication and the decomposity when have actually been connected and of obtaine the form of incommunication, unitations, forced-proving, or otherwest) or until a non-analysis and the information of the well until all internets have been connected and, chimestering such internet, has been approved by the Division. *Note: Not re-surveyed prebared from part Sept. 28, 1981 Fref. B. Kerr Jr OPERATOR CERTIFI Limitory corrify that it connected and belief. *Signature Pengy Bradfie Printed Name Regulatory Af Position Aprel 3 1990 ON CONNECTIFI ON Company Date SURVEYOR CERTIFI On this plan was printed from containing the mean connected and the the same connected and the same connected and the the same connected to the best of my it belief. A 1850' ON CONNECTIFIES OF The Surveyed Signature A 287 Professor Signature A 287 Profes	nge:
2. If more than can lease is dedicated to the well, cuttine each and identify the covariable thereof (both as to working inserest and royalty). 3. If more than can lease of different covariable is dedicated to the well, have the inserest of all owners been connotidated by construintization. Uniform the content of the covariable is the covariable of the construintization agreement well as the covariable of the construintization agreement well in accounts. No allowable will be anapped to the well until all inserests have accountiated. (Une reverse ade of obtained the form of the covariable will be anapped to the well until all inserests have been connotidated. (Une reverse ade of obtained the content of the covariable will be anapped to the well until all inserests have been connotidated. (Une reverse ade of observation) or until a non-analysis and the inserest of the well as covariable will be anapped to the well until all inserests have been approved by the Division. *Note: Not re-surveyed pre-bared from prot the content of the covariable will be anapped to the well as a covariable will be anapped to th	Acres
We No is necessary. No allowance in "go" list the coverage and exect descriptions which have actually been consciliated. (Unservers and of obtaine this form if accomments. No allowance will be amagned to the well until all interests have been consciliated. (Unservers and of obtaine this form if accomments.) *Note: Not! re-surveyed prebared from plot \$\frac{1}{2}\$ is not \$\frac{1}{2	
No abcorates will be amounted to the well used all immunes have been consolidated (by communication, unitization, forced-pooling, or otherwise) or used a non-amended use, discussing such immune, has been approved by the Division. *Note: Not re-surveyed prebared from part Sept. 28, 1981 Frefi B. Kerr Jr APR2 3 1990 Date SURVEYOR CERTIFIANT APR2 3 1990 ON CON. U! SURVEYOR CERTIFIANT Date SURVEYOR CERTIFIANT APR2 3 1990 Date SURVEYOR CERTIFIANT On this plan was plained from accessed arm of my labeling. APR2 3 1990 SURVEYOR CERTIFIANT On this plan was plained from accessed arm of my labeling. APR2 3 1990 SURVEYOR CERTIFIANT On this plan was plained from accessed arm of my labeling. APR2 3 1990 SURVEYOR CERTIFIANT On this plan was plained from accessed arm of my labeling. A-19-90 Date Surveyed Signature Signature Surveyed	ill
No alternate will be suggested to the well until all interests have been opposed by the Division. *Note: Not re-surveyed prebared from plat Sept. 28, 1981 Frefi B. Kerr Jr APR 2 3 1990 OLICON. J. SURVEYOR CERTIFI I hareby certify that it contained house of my interested from Southland Roy. Company Date SURVEYOR CERTIFI Apr. 2 3 1990 OLICON. J. Date SURVEYOR CERTIFI I hareby certify that the well of my the present of the part of the best of my interested from actual servey made by me appearance, and that the seen correct to the best of my interested from Signature and contained from Southland Roy. Company Signature Peggy Bradfie Printed Name Southland Roy. Company Surveyor CERTIFI I hareby certify that it well on this plat was plotted from actual serveys made by me appearance, and that the seen correct to the best of my it belief. A-19-90 Date Surveyor Signature Sig	d
*Note: Not re-surveyed prebared from plet Sept. 28, 1981 Fred B. Kerr Jr APR2 3 1990 ON COIL. 11 DAS 1. 3 OPERATOR CERTIFIFM Interior certify that it contained threin in true and a beat of my immunicating and belief. Signature Primad Name Regulatory Af Position Southland Roy. Company Date SURVEYOR CERTIFIED I hereby certify that the well on this plan was planted from access reveys made by me supprison, and thus the same correct to the best of my to belief. APR2 3 1990 ON COIL. 3 I hereby certify that the well on this plan was planted from access reveys made by me supprison. The best of my to belief. APR2 3 1990 ON COIL. 3 I hereby certify that the well on this plan was planted from access reveys made by me supprison. The best of my to belief. APR2 3 1990 ON COIL. 3 I hereby certify that the well on this plan was planted from access reveys made by me supprison. The best of my to belief. APR2 3 1990 ON COIL. 3 I hereby certify that the well on this plan was planted from access reverse to the best of my to belief. APR2 3 1990 ON COIL. 3 I hereby certify the the well on this plan was planted from access reverse to the best of my to belief. APR2 3 1990 ON COIL. 3	
*Note: Not re-surveyed prebared from part Sept. 28, 1981 Frefi B. Kerr Jr APR 2 3 1990 ON COM. Ut SURVEYOR CERTIFIED ON 1981 APR 2 3 1990 On COM. Ut SURVEYOR CERTIFIED ON 1981 APR 2 3 1990 On COM. Ut SURVEYOR CERTIFIED ON 1981 SURVEYOR CERTIFIED ON 1981 I hereby certify that the well on this plat was plotted from actual surveys made by new supervision, and that the same correct to the best of my belief. Signature Signatu	1.
prebared from plot Sept. 28, 1981 Freil B. Kerr Jr Signature Peggy Bradfie Fristed Name Regulatory Af Position Southland Roy. Company Date SURVEYOR CERTIFI I hereby certify that the well on this plas were platted from certain surveys made by me supervision, and that the same correct to the best of my belief. 1850' Signature Peggy Bradfie Friends Name Regulatory Af Position Southland Roy. Company Date SURVEYOR CERTIFI Aprely certify that the well on this plas were platted from certain surveys made by me supervision, and that the same correct to the best of my belief. Aprel Signature Peggy Bradfie Friends Name Regulatory Af Position Southland Roy. Surveyor CERTIFI Aprel Surveyor Signature Date Surveyor Signature Peggy Bradfie Friends Name Regulatory Af Position Southland Roy. Company Date Surveyor CERTIFI Aprel Surveyor Date Surveyor Regulatory Af Position Southland Roy. Company Date Surveyor Aprel MEAD Company Date Surveyor Signature Peggy Bradfie Friends Name Regulatory Af Position Southland Roy. Company Surveyor Surveyor Aprel MEAD Company Date Surveyor Signature Peggy Bradfie Friends Name Regulatory Af Position Southland Roy. Company Surveyor Surveyor Aprel MEAD Date Surveyor Signature Peggy Bradfie Printed Name Regulatory Af Position Southland Roy. Company Surveyor Surveyor Aprel MEAD Date Surveyor Signature Peggy Bradfie Printed Name Regulatory Af Position Southland Roy. Company Surveyor Surveyor Aprel Mean Surveyor Aprel Mean Aprel Mean Surveyor Aprel Mean Aprel Mean Aprel Mean Surveyor Aprel Mean Aprel Mean Aprel Mean Aprel Mean Surveyor Aprel Mean Apre	CATIO
Sept. 28, 1981 Freil B. Kerr Jr Signature Peggy Bradfie Pristad Name Regulatory Af Position Southland Roy. Company Data SURVEYOR CERTIFI I hareby carrify that the well on this plat was platted from actual surveys made by me supervison, and that the seem correct to the best of my to belief: 4-19-90 Data Surveyed Signature Peggy Bradfie Pristad Name Regulatory Af Position Surveyor CERTIFI I hareby carrify that the well on this plat was platted from actual surveys made by me supervison, and that the seem correct to the best of my to belief: 4-19-90	-
Signature Peggy Bradfie Primad Name Regulatory Af Position Southland Roy. Company Date SURVEYOR CERTIFI I hareby carrify that the well on this plan was plotted from actival surveys made by me suppressed of my leading. Deta Surveyor Signature Surveyor Deta Surveyor Signature Surveyor Signature Surveyor Signature Surveyor Signature Surveyor (6857)	•
Peggy Bradfie Pristad Name Regulatory Af Position Southland Roy. Company Date SURVEYOR CERTIFI on this plan was platted from actual surveys made by me supervision, and that the sem correct to the best of my in ballef. 4-19-90 Date Surveyor Date Surveyor Signamur S	
Printed Name Regulatory Af Position Southland Roy. Company Date SURVEYOR CERTIFI On this plan was plotted from actual surveys made by me supervison, and that the same correct to the best of my in belief. 1850' 1850	1 2
Regulatory Af Position Southland Roy. Company Date SURVEYOR CERTIFI I hereby certify that the well on this plats was plotted from actual survey made by me supervison, and that the sam correct to the best of my in belief: 4-19-90 Date Surveyed Signature Say of NETICO 1850' Signature Say of NETICO (6857)	<u> </u>
Position Southland Roy. Company Data Data SURVEYOR CERTIFI I haveby certify that the well on this plat was plotted from actual surveys made by me supervison, and that the same correct to the best of my belief: 4-19-90 Data Surpeyed Sidentify Soft METERS O 1850' 1850' Region Soft MeTers O 1850' O 1	fair
SURVEYOR CERTIFI ONE . 3 I hareby certify that the well on this plat was plotted from actual surveyor made by me supervison, and that the sem correct to the best of my belief: A-19-90	
APR 2 3 1990 SURVEYOR CERTIFI I have by certify that the well on this plat was plotted from actual surveys made by me supervison, and that the sem correct to the best of my ballef: 1850' Signature Signature Signature From an actual survey well (6857)	alty
SURVEYOR CERTIFI ONS . 3 I hareby certify that the well on this plat was plotted from actual surveyor made by me supervison, and that the sem correct to the best of my belief: A-19-90	
SURVEYOR CERTIFI ONS . 3 I hereby certify that the well on this plat was plotted from actual surveys made by me supervison, and that the sam correct to the best of my belief. Signature Service WEILD. Signature Service WEILD.	
I hereby cartify that the well on this plat was plotted from actual surveys made by me supervison, and that the same correct to the best of my belief. Data Suppyed Signature Server WEXILD 1850'	
I hereby certify that the well on this plat was plotted from actual surveys made by me supervison, and that the sam correct to the best of my belief. Date Suppyed Signature Server WEXILD 1850' 1850' 1850' 1850' 1850' 1850' 1850' 1850' 1850' 1850' 1850' 1850' 1850' 1850' 1850'	CATTO
on this plat was plated from actual surveys made by me supervison, and that the sam correct to the bast of my ballef. Data Superved Signature September WEND 1850' (6857)	~~111
actual surveys made by me supervison, and that the same correct to the best of my belief. Date Surpeyed Signature Survey We have been survey as the survey of the survey we have been survey as the survey was the survey we have been survey as the survey we have been survey as the survey was the survey was the survey when survey we have been survey as the survey was the survey when survey we have been survey as the survey was the survey when survey we have been survey as the survey was the survey when survey we have been survey as the survey was the survey with the survey was the survey was the survey when survey was the survey wa	
Signature Sarry WEXILD	•
belief: 4-19-90 Data Surreyved Signature Signature Professor State	e is m
Date Surpeyed Signature Server NETILE	
1850' Signature Signature WE 11/2	_
(6857)	2
6857	100
\(\frac{1}{2}\) \(\lambda\) \(∖ંુ.
)
	10-
6857	/ <i>\$</i> \$
Cartificate Mc (MED LAND S)	
Neale Neale	ards
330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0	

STATE OF NEW MEXICO NERGY AND MINERALS DEPARTMENT

P. O. BOX 2048 SANTA FE, NEW MEXICO 87501

Form C-107 kevised 10-1-

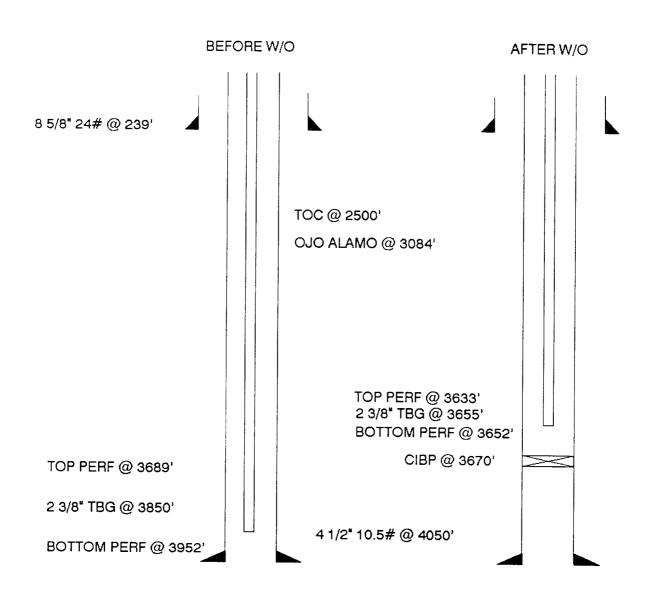
All distances must be from the cuter boundaries of the Section.

0		-	1.								
Operator COTFFET AND	DOVAT mr. corr	1 182	Legse			Well No.					
SOUTHLAND ROYALTY COMPANY Unit Letter Section Township			SIMMS FEDI		·	2					
O	11	Township	Range	County	•						
Actual Footage Loc		30N	Livi	Rio Ar	riba						
1120 South 1950											
Ground Level Elev:				feet from the E		line sted Acreager					
6911	Pictured	Cliffs Ext.	Fost Blanco		i	49 Acres					
1 Outline th				ad as bashus as							
 Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty). 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? 											
Yes No If answer is "yes," type of consolidation Communitization 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 interests, has been approved by the Commission.											
			1		CE	RTIFICATION					
	 		CELLI .	VED	tained herein li	that the information con- strue and complete to the wledge and belief.					
			- (pc15	=]-1981 - R	Nome L. E. Field	er					
	·		I OIL CON	L 3	Position District En	gineer					
			DIS		Company. Couthland R	byalty Company					
	1 5	Sec.	_	1 1	otober 5,						
			/ / / / 11850		shown on this notes of ectue under my super is true end c knowledge and	ify that the well location plat was plotted from field it surveys made by me or rvision, and that the same orrect to the best of my belief.					
	 	1	NM-28716 /		Regis from Protes	SETTO IT.					
	Sc		3950 750								

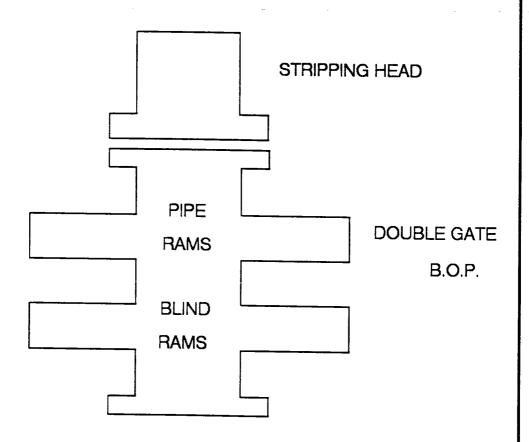
RECOMPLETION PROCEDURE SIMMS FEDERAL #2

- 1. MOL and RU. NU BOP and test.
- 2. TOOH with tubing. TIH with 4 1/2" casing scraper and CO to 3670'. TOOH.
- 3. RU wireline unit and set a 4 1/2" CIBP @ 3670'. Pressure test casing to 3000 psi for 15 minutes.
- 4. Run GR-CCL.
- 5. Shoot 2 SPF for a total of 38 holes from 3633-3652'.
- 6. Break down perforations with 7 1/2% HCl.
- 7. Hold safety meeting with all personnel on location. PT surface lines to 4000 psi. Fracture stimulate well with borate cross-link gel. Proppant will consist of 40/70 and 20/40 mesh sand. Maximum pressure is limited to 3000 psi. flowing pressures periodically until well logs off.
- 8. TIH with tubing and clean out to 3670'.
- 9. Land tubing with a seating nipple one joint off bottom. Land tubing near 3655'. ND BOP. NU tree. Rig down and release rig.

SIMMS FEDERAL #2 WELLBORE DIAGRAMS



WORKOVER / RECOMPLETION B.O.P. SCHEMATIC



MINIMUM: 6" 2000 PSI DOUBLE GATE B.O.P.

MAXIMUM ANTICIPATED SHUT-IN WELLHEAD

PRESSURE IS LESS THAN 2000 PSI