		R. A. Childe S. Colama	กษ์เอิล	
· · · · · · · · · · · · · · · · · · ·	UNITED STATES RTMENT OF THE INTERIO REAU OF LAND MANAGEMENT	P. M. BOLLES HSUBMIT IN TRIPLACATE (Other Instructions on re (Other Instructions on re	Form approved 88240Pudget Bureau Expires Augus 5. LEASE DESIGNATION NI4-0997	No. 1004-0135 t 31, 1985
	OTICES AND REPORTS O ropomais to drill or to deepen or plug bac LICATION FOR PERMIT—" for such prop		6. IF INDIAN, ALLOTTI	EE OR TRIBE NAME
I. WELL CAS WELL OTHE 2. NAME OF OPERATOR	:R		7. UNIT AGREEMENT N 8. PARM OR LEASE NA	
Southland Royalt	cy Company		Aztec "22" Fe	
 LOCATION OF WELL (Report locat) See also space 17 below.) At surface 	Midland, Texas 79705 on clearly and in accordance with any St	tate requirements.*	1 10. FIELD AND POOL, South Corbin	(Wolfcamp)
	1980' FNL & 1980' FWL Sec. 22, T18S, R33E		11. SHC., T., B., M., OR SURVEY OF ARE Sec. 22, T18	4
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, R 3855.1' GR	IT, GR, etc.)	12. COUNTY OF PARIS	H 13. STATE NM
	Appropriate Box To Indicate Na NTENTION TO:		Other Data DUBNT REPORT OF :	
TEST WATER SHUT-OFF FRACTURE TREAT Shoot or Acidize Repair Well	PULL OR ALTER CASING	WATER SHUT-OFF PRACTUBE TREATMENT SHOOTING OR ACIDIZING (Other)	BEPAIRING ALTERING ABANDONMI	
proposed work. If well is di nent to this work.) *	ting Bone Spring & Wolfca	details, and give pertinent dates ns and measured and crue vertic	cal depths for all marke	ite of starting any rs and sones perti-
18. I hereby cartify that the foregoi	ng is true apd.correct			
SIGNED ALL	Brade Law TITLE Sr. S	Staff Env./Reg. Spec	cialist DATEJuly	, 17, 1989
(This space for Federal of State APPROVED BY CONDITIONS OF APPROVAL,	An FORTAGE		DATE	31.89

2

*See Instructions on Reverse Side

* -<mark>-,</mark> t 2

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

Aztec "22" #/ South Corbin Field Lea County, New Mexico

Current Wellbore

34443444

200 SHEELS

12 389

As of 3/A/89 DAS



Aztec "22" #1 South Corbin Field Lea County, New Mexico

Strawn Reentry Procedure

- 1. MIRU pulling unit. ND wellhead. NU BOP. POH with $\pm 10,300'$ of 2 7/8" 6.5# EUE N-80 tubing, SN, perforated sub, and mud anchor.
- 2. MIRU wireline company. RU wireline pressure control. RIH with a gauge ring and junk basket suitable for 5 1/2" 17# casing. RIH to 11,150'. POH. RIH with a cement retainer. Set cement retainer at 11,120'. POH.
- 3. RIH with cement retainer seals and 11,120' of 2 7/8" tubing. Partially sting into retainer and test tubing to 5500 psi. Sting fully into retainer.
- 4. MIRU cement company. NU surface lines and test to 5500 psi. Inject into Wolfcamp perforations (11,172'-11,332') with fresh water at 2-3 bpm. Inject 20-30 bbls noting pressure and rate. Using injectivity results, estimate squeeze cement volumes and rates. Cement squeeze Wolfcamp perforations (11,172'-11,332') with the following cement slurry:

Туре	:	Class H	Class H
Additives	:	1.0% Fluid Loss	0.3% Retarder
		0.1% Retarder	
Thickening Time	:	5 1/4 hrs	4 hrs
Yield	:	1.17	1.17
Density	:	15.6	15.6
Fluid Requirement	ts:	5.18	5.18

Lead

Tail

Displace cement to retainer. Do not over displace. Pull out of retainer and reverse out any excess cement. POH.

- 5. RIH with cement retainer and 10,690' of 2 7/8" tubing. Set cement retainer at 10690'. Partially sting out of retainer and test tubing to 5500 psi. Sting fully into retainer.
- 6. MIRU cement company. NU surface lines and test to 5500 psi. Inject into Wolfcamp perforations (10,745'-10,778') with fresh water at 2-3 bpm. Inject 20-30 bbls noting pressure and rate. Using injectivity results, estimate squeeze cement volumes and rates. Cement squeeze Wolfcamp perforations (10,745'-10,778') using the before mentioned cement designs. Displace cement to retainer. Do not over displace. Pull out of retainer and reverse out any excess cement. POH.

Procedure Page 2

- 7. RIH with cement retainer and 9970' of 2 7/8" tubing. Set cement retainer at 9970'. Partially sting out of retainer and test tubing to 5500 psi. Sting fully into retainer.
- 8. MIRU cement company. NU surface lines and test to 5500 psi. Inject into Wolfcamp perforations (10,022'-10,216') with fresh water at 2-3 bpm. Inject 20-30 bbls noting pressure and rate. Using injectivity results, estimate squeeze cement volumes and rates. Cement squeeze Wolfcamp perforations (10,022'-10,216') using the before mentioned cement designs. Displace cement to retainer. Do not over displace. Pull out of retainer and reverse out any excess cement. POH. Bone Spring (535)
- 9. RIH with cement retainer and 8870' of 2 7/8" tubing. Set cement retainer at 8870'. Partially sting out of retainer and test tubing to 5500 psi. Sting fully into retainer.
- 10. MIRU cement company. NU surface lines and test to 5500 psi. Inject into Wolfcamp perforations (8,927'-8,942') with fresh water at 2-3 bpm. Inject 20-30 bbls noting pressure and rate. Using injectivity results, estimate squeeze cement volumes and rates. Cement squeeze Molfcamp perforations (10,745'-10,778') using the before mentioned cement designs. Displace cement to retainer. Do not over displace Pull out of retainer and reverse out any excess cement. POH. WOL Bone Spring SJS 9927'-8942'.
- 11. MIRU reverse unit. RIH with 4 3/4" bit, 6 3-1/2" drill collars, and 2 7/8" tubing. Drill-out cement retainer and cement to ±9000'. Close BOP and test cement squeeze to 1500 psi. If perforations are taking fluid, contact production engineer and discuss remedial squeeze plans. If cement squeeze holds pressure, continue with procedure.
- 12. RIH and drill-out cement retainer and cement to 10,300'. Close BOP and test to 1500 psi. If perforations are taking fluid, contact production engineer and discuss remedial squeeze plans. If cement squeeze holds pressure, continue with procedure.
- 13. RIH and drill-out cement retainer and cement to 10,850'. Close BOP and test to 1500 psi. If perforations are taking fluid, contact production engineer and discuss remedial squeeze plans. If cement squeeze holds pressure, continue with procedure.
- 14. RIH and drill-out cement retainer and cement to 11,400'. Close BOP and test to 1500 psi. If perforations are taking fluid, contact production engineer and discuss remedial squeeze plans. If cement squeeze holds pressure, continue with procedure.

Procedure Page 3

- 15. RIH to CIBP at 12,400'. Tag CIBP. Circulate hole clean with treated 2% KCl water. Drill-out CIBP and push CIBP to PBTD (\pm 12,645'). POH.
- 16. RIH with a SN (2.25" ID), one joint of 2 7/8" tubing, production packer suitable for 5 1/2" 17# casing, ON/OFF tool, and ±12,270' of 2 7/8" 6.5# N-80 EUE tubing. Set packer at ±12,270'. ND BOP. NU wellhead.
- 17. Swab/flow test Strawn zone. Allow well to clean-up and stabilize. NU production facilities and perform required state tests. Report daily test volumes to Midland office.

Approved:	Date:
T. J. Huchton	

Ris shiles

726.8

Aztec "22" #] South Corbin Field Lea County, New Mexico

MECHANICAL DATA

<u>Type Tubular</u> :	00 (ii)	ID (in)	Weight (#/ft)	Grade	Conn.	Depth (ft)	Collapse (psi)	Burst (psi)	Tensile (M lbs)	TOC (ft)
Surface Casing	13-3/8	12.615	54.5	K-55	STC	340	1,130	2,730	547	Surf
Intermediate Casing	8-5/8 8-5/8 8-5/8	8.097 8.097 8.017	24 24 8	K-55 S-80 N-80	STC STC STC	0-1970 1970-2576 2576-4400	1,370	2,950 	263 	Surf
Production Casing	5-1/2 5-1/2 5-1/2 5-1/2	4.892 4.892 4.892 4.892	21 71 71	P-110 S-95 N-80 S-95	BUTT BUTT LTC LTC	0-560 560-2149 2149-11,580 11,580-13,626	7,460 6,930 6,280 6,930	10,640 9,190 7,740 9,190	568 480 348 374	7,900
Tubing:	2 7/8	2.441	6.5	N-80	EUE	10,300	11,160	10,570	145	-