SUNDR Do not use the abandoned we SUBMIT IN TR I. Type of Well I Oil Well Gas Well I 2. Name of Operator Gruy Petroleum Manag 3a. Address P. O. Box 140907 Irvin 4. Location of Well (Footage, Sec. 660' FSL & 1650' FEL S	ement Co. g, TX 75014-0907 , T., R., M., or Survey Description) Sec. 20 T18S - R29E	tions on revers	8210-2834 als. 6 7 80 side 8 9 9 9 9 9 111 1 1	FORM APPROVED OMB No. 1004-0135 Expires July 31, 1996 Lease Serial No. LC-067132 If Indian, Allottee or Tribe Name If Unit or CA/Agreement, Name and/or No. SCR - 150 Well Name and No. Empire 20 Federal Com 2 API Well No. 30-015-31046 O. Field and Pool, or Exploratory Area Turkey Track Atoka/Morrow Nor. 1. County or Parish, State Eddy Co. NM
	PROPRIATE BOX(ES) TO I		· · · · · · · · · · · · · · · · · · ·	ORT, OR OTHER DATA
TYPE OF SUBMISSION		······	TYPE OF ACTION	
Notice of Intent	Acidize	Deepen Fracture Treat	Production (Start/Re	esume) U Water Shut-Off Well Integrity
Subsequent Report	Casing Repair	New Construction	·	Other Dual completion
Ginal Abandonment Notice	Change Plans		Temporarily Aband Water Disposal	lon procedure
testing has been completed. Fi determined that the site is ready	nal Abandonment Notices shall be f for final inspection.) oka/Morrow dual completio	filed only after all re	quirements, including reclama	ROVAL
Name (Printed/Typed)	ng is the and confect	Title	Innerer Operations A	Iminiatration
Zeno Farris	· · · · · · · · · · · · · · · · · · ·	Date	lanager Operations Ac	
CINU	four		ugust 16, 2000	
	THIS SPACE FO	R FEDERAL OR	STATE OFFICE USE	
Conditions of approval, if any, are certify that the applicant holds lega	GD.) DAVID F. GLASS attached. Approval of this notice of al or equitable title to those rights	does not warrant or	OLEUM ENGINEE	AUG 2 1 2000
which would entitle the applicant to Title 18 U.S.C. Section 1001, make fraudulent statements or representati (Instructions on reverse)		gly and willfully to a network.	nake to any department or ag	ency of the United States any false, fictitious or



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5 ¹/₂" PLS Packer & TCP Power Perf Completion

Procedure:

- P/U and RIH w/ TCP assembly, on/off tool, and 5 ½" PLS Packer, for over-balanced perforating on 11,010' of 6.5# N-80 2 7/8" tubing (testing to 8500#). After running 100 feet, fill tubing with 16 gallons of filtered 7% KCL water.
- 2. RU Halliburton w/ 5,000 psi lubricator. Perforate Morrow with N2 blanket from 11,138'- 50' with TCP casing gun @ 6 shots/ft (73 shots). RD Halliburton.
- 3. Flow well to production and recover treatment. SI well.

Status of Well when beginning second completion: BHP pulled. Well SI.

Procedure:

- 1. Wireline set blank-off plug in packer @ 11,067.
- 2. Blow down and load tubing to equalize with casing.
- 3. Release on/off tool and POOH laying down 2-7/8" tubing.
- P/U and RIH w/ ±10,980' of 2-3/8", 4.7#, N-80 tubing (testing to 7,000#). (On/Off tool @ 11,066.7' KB)
- 5. RU Halliburton and pickle tubing w/ 250 gal. xylene and 250 gal. 15% HCl and load hole w/ 7% treated KCl water w/ surfactant.
- 6. Swab fluid level to $\pm 8,000$ ' to setup for under-balanced perforating (2,000# hydrostatic). TOOH.
- 7. RU Halliburton w/ 5,000 psi lubricator. Perforate Atoka from 10,658' 70' w/ expendable casing gun @ 6 shots/ft, 60° phasing (73 shots). RD Halliburton.
- 8. Flow back through casing to test well.
- 9. Kill well (if needed) w/ 7% treated KCl water and TIH w/ production string w/ sliding sleeve open (see detail below).
- 10. Swab Atoka in through sliding sleeve and establish controlled flow through tubing and casing. SI tubing and establish Atoka production through casing.
- 11. Close sliding sleeve and monitor Atoka production via annulus.
- 12. Once Atoka is producing, pull plug from packer (Morrow) and establish simultaneous production from Morrow and Atoka.

2-3/8" Production Tubing String

KB	17.00'	@	14.00'
2-3/8", 4.7", N-80 Tubing/Subs	10,626.00'	ă	10,640.00'
Blast Joints	40.00'	à	10,680.00'
2-3/8", 4.7", N-80 Tubing/Subs	384.77'	a	11,064.77'
Otis On/Off w/ 1.875" x w/2-3/8" XO	1.70'	a	11,066.47'
Latch into On/Off Tool			
Itialics – approx. lengths/depths			
(existing tubular detail) 5½" PLS 13-17# 10K w/ 60K shear 2-3/8" tubing sub 2-3/8" tubing release w/ 1.88" latch 2-3/8" tubing (1 jt) 3-3/8" Mod KV Firer w/ 2-3/8" XO (3-3/8" O Bron Gun (2 3/8" OD)	3.96' 9.98' 1.56' 32.70' D) 2.96' 16.70'	8886	11,070.43' 11,080.41' 11,081.97' 11,114.67' 11,117.63' 11,117.63'
Prop Gun $(3-3/8" \text{ OD})$		@	11,134.33'
Blank Section (3-3/8" OD)	3.67'	@	11,138.00'
TCP Guns	12.00' 0.75'	@	11,150.00'
Bull Plug	0.75	@	11,150.75'



<u>13-3/8" C</u>	asing Detail		
К.В.	17.00'	@	17.00'
8 Jts., 48#, H-40	341.85	@	358.85'
Insert Float	0.00'	@	358.85'
1 Jt., 48#, H-40	44.47'	@	403.32'
Shoe	0.68'	@	404.00'

8-5/8" Casing Detail

К.В.	17.00' @	17.00'
71 Jt.s, 32#, J-55, LT&C	3,165.91' @	3,182.91'
Float Shoe	1.19' @	3,184.10'
1 Jt. 32#, J-55, LT&C	44.89' @	3,228.99'
Guide Shoe	1.01' @	3,230.00'

2-3/8" Tubing Detail			
K.B.	17.00'	@	15.00'
1 Jt., 4.7#, N-80	33.10'	@	48.10'
1 Tbg., sub 4.7#, N-80	6.00'	@	54.10'
320 Jts, 4.7#, N-80	10,584.22'	@	10,638.32'
2 Blast Joints	39,70'	@	10,678.02'
1 Jt., 4.7#, N-80	33.10'	@	10,711.12'
Sliding Sleeve	2.50'	@	10,713.62'
8 Jts. 4,7#, N-80	264.65'	@	10,978.27'
Off/On Tool	1.70'	@	10,979.97'
Halliburton PL Packer	6.95	@	10,986.92'
(16 pts compression)			

5-1/2" Casing Detail				
К.В.	17.00' @	17.00'		
8 Jts., 17#, S-95	308.51' @	325.51		
157 Jts., 17#, N-80	6,672.61' @	6,998.12'		
DV Tool	2.13' @	7,000.25'		
62 Jts, 17#, N-80	2,633.19' @	9,633.44'		
37 Jts., 17#, S-95	1,620.54' @	11,253.98'		
Float Collar	1.01' 🥝	11,254.99'		
1 Jt., 17#, S-95	43.72' @	11,298.71'		
Guide Shoe	1.29' @	11,300.00'		

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