ubmit 3 Copies Appropriate District Office		New Mexico atural Resources Department	Form C-103 Revised 1-1-89					
<u>STRICT I</u> D. Box 1980, Hobbs, NM 88240	OIL CONSERV	ATION DIVISION Box 2088	WELL API NO.					
I <u>STRICT II</u> O. Drawer DD, Artesia, NM 88210	Santa Fe, New I	Мехісо 87504-2088	5. Indicate Type of Lease STATE X FEE					
ISTRICT III 000 Rio Brazos Rd., Aziec, NM 8741	10	6. State Oil & Gas Lease No. B-934						
DO NOT USE THIS FORM FOR	OTICES AND REPORTS (PROPOSALS TO DRILL OR TO SERVOIR. USE "APPLICATION M C-101) FOR SUCH PROPOSA	DEEPEN OR PLUG BACK TO A	7. Lease Name or Unit Agreement Name					
Type of Well: OIL GAS WELL WELL			New Mexico 'S' State					
Name of Operator			8. Well No.					
Exxon Corporation	Midland, TX 7970	nits Supervisor	9. Pool name or Wildcat Bline bry J DRinkard					
P.O. Box 1600	Midiand, ix 1910							
Unit Letter <u>A</u> :	660 Feet From The Nor	th Line and 760	D Feet From The East Line					
Section 2	Township 22S	Range 37E	NMPM Lea County					
	10. Elevation (Sho	ow whether DF, RKB, RT, GR, etc.)						
	3370 DI	ndicate Nature of Notice,	Report, or Other Data					
	INTENTION TO:	SU	BSEQUENT REPORT OF:					
	PLUG AND ABANDC							
	CHANGE PLANS		NG OPNS. PLUG AND ABANDONMENT					
		CASING TEST AND	CEMENT JOB					
ULL OR ALIER CASING L								
	d. Add Pav Blinebry							
			cluding estimated date of starting any proposed					
THER: <u>Abandon Drinkar</u> 12. Describe Proposed or Completed work) SEE RULE 1103.	Operations (Clearly state all pertine	nt details, and give pertinent dates, in	cluding estimated date of starting any proposed					
THER: <u>Abandon Drinkar</u> 12. Describe Proposed or Completed work) SEE RULE 1103. Abandon Drinkar	Operations (Clearly state all pertine	nt details, and give pertinent dates, in	cluding estimated date of starting any proposed					
THER: <u>Abandon Drinkar</u> 12. Describe Proposed or Completed work) SEE RULE 1103. Abandon Drinkar	Operations (Clearly state all pertine	nt details, and give pertinent dates, in	cluding estimated date of starting any proposed					
THER: <u>Abandon Drinkar</u> 12. Describe Proposed or Completed work) SEE RULE 1103. Abandon Drinkar	Operations (Clearly state all pertine	nt details, and give pertinent dates, in	cluding estimated date of starting any proposed					
THER: <u>Abandon Drinkar</u> 12. Describe Proposed or Completed work) SEE RULE 1103. Abandon Drinkar	Operations (Clearly state all pertine	nt details, and give pertinent dates, in	cluding estimated date of starting any proposed					
THER: <u>Abandon Drinkar</u> 12. Describe Proposed or Completed work) SEE RULE 1103. Abandon Drinkar	Operations (Clearly state all pertine	nt details, and give pertinent dates, in	cluding estimated date of starting any proposed					
THER: <u>Abandon Drinkar</u> 12. Describe Proposed or Completed work) SEE RULE 1103. Abandon Drinkar	Operations (Clearly state all pertine	nt details, and give pertinent dates, in	cluding estimated date of starting any proposed					
THER: <u>Abandon Drinkar</u> 12. Describe Proposed or Completed work) SEE RULE 1103. Abandon Drinkar	Operations (Clearly state all pertine	nt details, and give pertinent dates, in	cluding estimated date of starting any proposed					
THER: <u>Abandon Drinkar</u> 12. Describe Proposed or Completed work) SEE RULE 1103. Abandon Drinkar	Operations (Clearly state all pertine	nt details, and give pertinent dates, in	cluding estimated date of starting any proposed					
THER: <u>Abandon Drinkar</u> 12. Describe Proposed or Completed work) SEE RULE 1103. Abandon Drinkar	Operations (Clearly state all pertine	nt details, and give pertinent dates, in	cluding estimated date of starting any proposed					
THER: <u>Abandon Drinkar</u> 12. Describe Proposed or Completed work) SEE RULE 1103. Abandon Drinkar See attached pr	Operations (Clearly state all pertine od, add Blinebry pay roc t .dure and wellbor	n details, and give pertinent dates, in , Acid Frac. e sketches.	cluding estimated date of starting any proposed					
THER: <u>Abandon Drinkar</u> 12. Describe Proposed or Completed work) SEE RULE 1103. Abandon Drinkar See attached pr	Operations (Clearly state all pertine od, add Blinebry pay oct.dure and wellbor	ns desails, and give pertinent dates, in , Acid Frac. e sketches.						
THER: <u>Abandon Drinkar</u> 12. Describe Proposed or Completed work) SEE RULE 1103. Abandon Drinkar See attached pr	Operations (Clearly state all pertine od, add Blinebry pay oct.dure and wellbor	ns desails, and give pertinent dates, in , Acid Frac. e sketches.	cluding estimated date of starting any proposed					
THER: Abandon Drinkar 12. Describe Proposed or Completed work) SEE RULE 1103. Abandon Drinkar See attached pr I hereby certify that the information above SIGNATURE	Operations (Clearly state all pertine od, add Blinebry pay oct.dure and wellbor	ns desails, and give pertinent dates, in , Acid Frac. e sketches.						
THER: Abandon Drinkar 12. Describe Proposed or Completed work) SEE RULE 1103. Abandon Drinkar See attached pr See attached pr I hereby certify that the information abore SIGNATURE TYPE OR FRINT NAME	Operations (Clearly state all pertine of, add Blinebry pay oce dure and wellbor we is triviand complete to the best of my man	ns desails, and give pertinent dates, in , Acid Frac. e sketches.	tive Specialist DATE <u>5-30-90</u> TELEFHONE NO. 915 688-					
THER: Abandon Drinkar 12. Describe Proposed or Completed work) SEE RULE 1103. Abandon Drinkar See attached pr I hereby certify that the information above SIGNATURE	Operations (Clearly state all pertine rd, add Blinebry pay roce dure and wellbor we is true and complete to the best of my memory of Johnson Orig. Signed by Paul Kautz	ns desails, and give pertinent dates, in , Acid Frac. e sketches.	tive Specialist DATE 5-30-90					
THER: Abandon Drinkar 12. Describe Proposed or Completed work) SEE RULE 1103. Abandon Drinkar See attached pr See attached pr I hereby certify that the information abore SIGNATURE TYPE OR FRINT NAME	Operations (Clearly state all pertine of, add Blinebry pay oce dure and wellbor we is true and complete to the best of my memory of the best of my of Johnson Orig. Signed by	ns desails, and give pertinent dates, in , Acid Frac. e sketches.	tive Specialist DATE <u>5-30-90</u> TELEFHONE NO. 915 688-					

PROCEDURE: Prior to rigging up on well, check the pressures on the tubing and all csg annuli. Report annular pressures found to the Exxon supervisor and discuss appropriate and safe blow down procedures. Attempt to bleed annulus pressures o zero. (Prod. csg. x tbg. annulus is open to Blinebry, do not attempt to blow down). For annular pressures that will not bleed to zero, first review with the field supt. and then inform the subsurface engineer. Document all 	Capacity of tbg./csg annulus: .01637 bb1/ft.	Prod. Csg.: 5-1/2",15.5#,J-55 4372 psi 4.825" .0238 6536-5171 5-1/2",14#,J-55 3881 psi 4.887" .0244 5171-44 5-1/2",15.5#,J-55 4372 psi 4.825" .0238 44-surf	Burst Capacity Depth Set (w/l.lsf) Drift (bb1)ft) (feet) Tubing: 2-3/8",4.7#,H-40 5090 psi 1.901" .00387 Workstring: 2-7/8",6.5#.J-55 6600 psi 2.347" .00579	PIPE PERFORMANCE	r (1935 - 111 H2S service equip. req.: NO Variances apply: YES ************************************	Classe III BOP SPECIFICATIONS	Footnotes: (1) From actual BHP run 3/90. (on offset well) (2) From actual SI pres. 3/90. (on offset well) (3) From actual BHP run 11/89 (4) From actual SI pres. 11/89	(1) 900 (2) FSW (3) 289 (4) FSW	Workov Fluid	ANTICIPATED PRESSURES	BACKGROUND: Drinkard is making 2 kcf/d up tubing and Blinebry is producing	OBJECTIVE: Abandon Drinkard, add Blinebry pay and stimulate.	DATE: 5/7/90	F1ELD: 8-0-T
---	--	---	--	------------------	--	-------------------------------	---	------------------------------------	-----------------	-----------------------	--	--	--------------	--------------

 $_{\rm Z}$. Pull test rig anchors per guidelines in Operations Bulletin #52 (dated 1/25/89) prior to rigging up. Send results to Tammy Quintero in Midland office. Install new anchors as needed.

, ill: New

Mexico

"S" State #12

WORKOVER PROCEDURE

ω. analysis. Have the Hobbs Dowell lab get a sample of lease crude alysis. Lab must approve lease crude for use in frac. for frac emulsion

4. MIRU WSU. NU BOP and test per company guidlines. Release Baker loc-set packer by applying 3000 to 6000# upstrain and rotating to the right 8 to 10 turns at the tool. Continue to rotate to the right several times while moving up the hole to be certain the slips are fully retracted. POOH laying down 2-3/8" tubing, sliding sleeve, on-off tool, and packer. To prevent releasing on-off tool, do not set weight down on packer.

5. RU WL. Install Class II lubricator/wireline BOP assembly and test per company guidelines. RIH with CIBP for 5-1/2",15.5#,J-55 casing and set @ 6200'. Dump bail 20' cmt on top of CIBP. Casing collars are located @ 6138, 6182, 6226.

6. Perforate the Blinebry using a 4" hollow steel carrier gun, 120 degree phasing, loaded with premium charges. See attached perf sheet for perf intervals and collar locations. After perforating is complete, check to make sure all charges have fired. Rig down electric line.

7. PU and RIH with 2-7/8" workstring, PPI treating packer assembly (set on 10' spacing). Assembly should include a fluid plug, nipple to seat spot plug control valve if necessary, back pressure valve, and 14 joints of tubing with turned down collars at top of string. Hydrotest tubing to 5000 psi while RIH. Set packer @ approx 5400' and test backside to 1500#.

8. NU annular BOP and test per company guidelines.

RU acid company and spot 10 bbls 15% NEHCL across existing and new Blinebry perfs. Let acid soak for 1 hour. Acidize perfs as follows:

Acid: 10 bbls for spot and 5 bbls per 10° perf interval of new perfs only, not acidize old perf interval from 5515°-5650° (see attached perf sheet). Total- 110 bbls 15% NEHCL inhibited for 24 hours at 120 degrees. 8

Flush: 45 bbls clean FSW

Procedure:

- 000
- a) Spot all equipment as far from the well as possible.
 b) Stake down all treating lines and test to 5000 psi.
 c) Set packers to straddle bottom perf interval and, with annular BOP closed with +/- 500 psi closing pressure, break down perfs with a maximum of 4000 psi. Once broken down, pump acid at a rate of 3 bpm. Treat each 10' interval with 5 bbls acid, (1 bbl bbl per perf).
 d) Release packer elements, pull up to next perf interval, and repeat items c) and d) until each perf interval has been acidized with 5 bbls.
 e) Pressure up on blank casing periodically to maintain depth control and to test packer seals.
 f) Pump a 1 2 bbl brine spacer whenever it becomes necessary to ٩
- e) Ċ

12. RU acid company. (NOTE: See attached frac design sheet). Stake and pressure test all lines and connections to 5000 psi. Maximum estimated treating pressure is 3300 psi using 2-7/8" tubing while treating at 4 BPM with 11 perfs open. Do not exceed 5000 psi treating pressure. Monitor tbg/csg annulus during job, do not allow it to exceed 1500 psi, if perfs communicate around packer, try to control it by decreasing pump rate. Hold safety meeting prior to job and inform all personel of fire dangers associated with using a petroleum based frac fluid. All cigarettes and lighters should be collected and locked away prior to beginning job. Pump treatment at a rate of 4 bpm as follows: 11. RIH with RTBP and retrievable treating packer with retrieving head o Z-7/8 workstring. Drop standing valve and test tubing to 5000 psi. Set R 5400' and test casing to 1500 psi for 15 min. Retrieve RTBP and GIH and s same @ 5886' (below collar at 5876'). Test RTBP to 1500 psi with packer. packer and set @ 5820' (between perf @ 5810' and collar @ 5832'). Leave 10,000# tubing weight on packer. acid assembiy. 14. RU acid company. Stake and pressure test all lines and connections to 50 psi. Maximum estimated treating pressure is 4700 psi using 2-7/8" tubing while treating at 8 BPM with 32 perfs open. Do not exceed 5000 psi treating pressure. Monitor tbg/csg annulus during job as before. Observe safety precautions as above. Pump treatment at a rate of 8 bpm as follows: 13. Let super-charge pressure of treatment dissipate for 30 min. and bleed any remaining pressure. When well is dead, release treating packer, GIH and release artBP. PU to 5826' and set RIBP (between collar @ 5823' and perf @ 5810') Test RIBP below packer to 1500 psi. PU packer and set @ 5730' (betwee collars @ 5700' and 5744') Leave 10,000# tubing weight on packer. also. 6 NOTE: Monitor Displace acid into Super X Emulsion contains 30% oil, 70% HCL (15%), 7.5 gal/1000 emulsifier inhibited 12 hours at 120 degrees. Inhibit neat acid 12 hours at 120 degre RD acidizing company. Shut well to spend. Swab back at least 60 9 break a connection. After all perfs are acidized, set packer at approx. 5400', fish fluid plug and spot control valve, and pump away any excess acid followed by flush to clear tubing and casing to bottom perfs. Open bypass and reverse 20 bbls down backside to wash top of annulus pressure packer. formation with 1000 1000 2000) gals Dowell Super X E) gals 15% HCL neat gals Dowell Super X E gals 15% HCL neat gals (167 bbls) during 60 bbls of clean in for 1 hour after bbls. POOH with PPI job, 8 42 X Emulsion not exceed min. pump Emulsion FSW. r pumping a I treating 1500 time i sd g acid to (between degress RTBP Set PU a 11 5000 off ê <u>ە</u> 8 21. 15.

- -

3000 gals Dowell Super X Emulsion gals 15% HCL neat gals Dowell Super X Emulsion gals 15% HCL neat

16,000 gals (381 bbls) 48 min. pump time

Displace acid into FSW down tbg/csg ; RD acid company. into annulus formation with 100 bbls clean nnulus to remove any acid that FSW. Pump 40 bbls may have entered t s of annuius. clean

After waiting overnight, POCH with RTBP, treating /8" workstring. workstring. packer and lay down

16. RIH with SN, TAC, Land SN @ +/- 5400'. 2-3/8" tubing (Hydrotest tubing in hole to 3000 psi).

17. Swab well as needed to unload and flow back load water to fr switch to system. (Keep casing valve at surface closed to force to flow up tubing to keep liquids unloaded). Put well on test a morning report. Shut well in. r to frac tank, then force Blinebry gas test and document on

18. Afer 5 days SI, RU slickline company. Install and test Class II lubricator. Obtain a BHP, (using 3000# gauge) make gradient stops every 1000' and at midpoint of perfs. Check film for good reading. Have results sent to K.P. Jenson in Midland office. RD slickline.

19. Plunger lift will probably be installed on this well. (Depending on how well performs.) NOTE: A separate Capital AFE is attached for this work. After a few days of testing, if plunger lift looks favorable, contact Dudley Mahan with Binford and Burrell (915-563-1993) so he can see what equipment and fittings he will need to rig up well head for plunger lift. After

20. MIRU slickline to broach the 2-3/8" tubing to the SN @ g standing valve/spring combination. Follow it to bottom with insure it sets in SN. 5400°. RIH h a sinker b bar i with bar to

surface equipment. RD slickline. Revamp wellhead as needed to accommodate plunger lift

22. Drop plunger. Swab if necessary to unload the well. Install pressure recorder. Adjust time and pressure settings as needed to optimize plunger cycles. Test well and put on report.

Operations Superintendant WB Hanin

-00 1850 12 937) e 6531 The 6540 <u>....</u> ____ Χ M ننخ Bluebry 5515-5650 111 (41)-6530 Jameses ۲. 2.201 المنه المستنها (461-045 intering and interiors interiors) MODEL & SUDWAREAN LOCKET THE ALL PLA PLL & LLAS - BAKEN LOCKET THE PLA PLL & LLAS - BAKEN LOCKET THE PLA MADEL FL'ON OFF STANDA COMMENTER MALLS BORE 23,47# H. H. EUE Bloggy in 20er to everne 21/115 6# 706 824 656 - 5171. 58 - 14# 4-66 824 6571 - 44. 58 - 15 - 766 824 44 - 711 458. Drinkard 6323-6351 75/8" 24.4# 7.55 @ 26 1011 Mintery: 5'he65% 1031, 40.5# N-80 @ 340' Elev. H2S 2765x, Sire 755x to surface Dates above <u>GL</u> 3370, 11 12/12/89 Wellbore Sketch (various interests) Þ 525 X M PPM Lonno, Woll: New MEXED S STATE # 12 Tubing 8110 2 % Grade H-40 11/46 Perf'd 6427-47 6460-90 althe Drinkers had been shut in due to -181 Acidized Streby perfs w Field Pape: J. S McBee 0/56 Free'd Blinebry w/ 20,000 gold or 1 154 Perf'd Bline bry 5515-45, 5565-95 end 5615-50 w/ 2spf Arieited Aridized -1 1500 gols. IPF = 708 ker 102 - 10, 6522-30 w/ 4 30f Frac new perfamil 7500 gals Kilped, 10- production rate . Perf'd Drinter d and 20,000 20140 send. 12. 180 sels 15 % HCL AND . 1705 tefd + 53 301D w1 900 gels 15% HCL . IPF = 1730 w BWD: THE KAN + 20 3000 1500 Sels 20'N. Set AP & C364' Pkr , of @ 6213 IPF : 24 kefd Fields BDT Bottom Hole Arrangement Drmkrd YE = MORIEN

