Submit 3 Copies To Appropriate

Energy, Minerals and Natural Resources Department

Form C-103

State of New Mexico

Revised	1-1-89

OIL CONSERVATION DIVISION 2040 South Pacheco Santa Fe, NM, 87505	WELL API NO. 30-039-07960
Santa PC, 19191 87303	5. Indicate Type of Lease STATE FEE
	6. State Oil & Gas Lease No.
S AND REPORTS ON WELLS SALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A LICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS	7. Lease Name or Unit Agreement Name: ROSA UNIT
Well Other	
	8. Well No.
•	#18
	9. Pool name or Wildcat
4101	BLANCO MESAVERDE
,	
	c 22-31N-R6W RIO ARRIBA, NM
6275' GR	
COMMENCE DRILLING OPNS. CASING TEST AND CEMENT JOE X OTHER: COMMINGLE.	OIL CONS. DIV.
ons. (Clearly state all pertinent details, and give pertinent dates IM OCD Rule 303.C.3 (b) (i)-(vii)	s, including estimated date of starting any
Spool, RU Wellhead Equipment, Spot Work String Tubi	ing Trailer, Fishing Tools, Crew
2K x 3K spool, BOP, Off-Set Spool, Function Test BO	
	Santa Fe, NM 87505 S AND REPORTS ON WELLS SALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A LICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS Well Other Other MORTH line & 800 feet from the EAST line Second Se

04-13-2010

DC's, PU & RIH w/Tubing, PU & RIH w/Paker Plucker, Jars, 6ea, 3-1/8" DC's, XO, 106 joints 2-3/8" N-80 Tubing to 3575' TOL, Un-Load Hole w/Air Foam, Rec 0 bbls H2O, RIH w/16 joints 2-3/8" N-80 Tubing, RU Pwr Swivel, Tag & Sting Into Packer @ 4,000' -- Estb Cir w/Air Foam @ 12 bbls/hr Foam, Mill over Packer @ 4,000', SD Air Foam, POH w/4 joints 2-3/8" N-80 Tubing, Pkr Stuck @ 3,904', SWI for night.

04-14-2010

DC's, Pkr Plucker & Pkr, Laying down DC's, RU Pwr Swivel, Est Cir w/Air Mist, POH w/117 joints 2-3/8", N-80 Tubing, LD XO, 6 ea 3-1/8" DC's, Pkr Plucker, Baker Pkr. PU & RIH w/4-1/4" Junk Mill, XO w/String Float, 183 joints 2-3/8", N-80 Tubing, Tag Fill @ 5,728', 12' Fill, RU Pwr Swivel, Est Cir w/Air Foam Mist, CO fill ft/5,728' - 5,740' PBTD, Cir Cln, SD Air Foam, LD 1joint 2-3/8" tubing, RD Pwr Swivel, POH w/74 joints 2-3/8" tubing, EOT @ 3543', SWI & Secure For Night. Crew Travel ft/Location to Farmington, Hauled To Tuboscope, 276 joints 1-1/2", 2.9#, J-55, EUE 8rd Tubing, 3 (2',8',10') 2-1/16", 3.25#, J-55 IJ pup joints, 1-1/2" MS, 1.375" ID SN.

04-15-2010

RIH w/75 joints 2-3/8" N-80 Tubing, Tag @ 5737', 3' Fill, RU Air Foam Unit, CO Fill fr/5,737' - 5,740' PBTD, Cir Cln, RD Pwr Swivel, POH & LD 183 joints 2-3/8", N-80, 4.7#, EUE-8rd Work String, XO, & Junk Mill, Change Out Tubing Trailers, fr/Work String to Production Tubing, Tally, Rabbit, & PU & RIH w/2-3/8" MS, 1 joint 2-3/8", 4.7#, J-55, EUE-8rd Tubing, 1.78" ID "F" Nipple, & 91 joints 2-3/8", 4.7#, J-55, EUE-8rd Tubing, EOT @ 2,962', 1.78" ID "F" Nipple @ 2,930', RU To Flow Tubing on 16/64" Choke, SWI & Secure For Night.

04-16-2010

RU to Flow Tubing, Open Tubing on 16/64" Ck 1 hr, Chg Ck to 8/64", Flwg Tubing 260 psig, Flwg Casing 265 psig, 0 bbls Recovered, MIRU Phoenix SL, RIH w/1.910" GR to PBTD, RIH w/1.5" Dummy Run to 5,740' PBTD, -- PBTD, RD Slickline Equip, SWI for Flowback Hand, Crew Travel fr/Location to Farmington, Sent To Tuboscope 190 joints 2-3/8", 4.7#. N-80, EUE-8rd Work String, 1 joint 2-3/8", 4.7#, N-80, EUE-8rd BAD, 189 joints Good.

04-17-2010

Runing Log, RIH & set Blanking Plug, RIH w/Profiler Log, FTP 250, SICP 280, Log, Send Log Data to Houston, Data was Bad, Spinner had Broken Fins, RIH w/Profiler Log w/New Spinner, FL @ 4,950', RD Profiler Tool, Collect Data, Data was Good, RIH w/1.78" Blanking Plug & Set in 1.78" ID "F" Nipple, RD Slickline, SWI & Secure Well for Night.

04-19-2010

PT Tubing Discuss Running Tubing, Running Gyro, Retrieve Blanking, Tally, Rabbitt, PU & RIH w/85 joints 2-3/8", 4.7#, J-55, EUE-8rd Tubing, PT to 1,000# EOT @ 5,664', 1.78" ID "F" Nipple @ 5,632', MIRU Basin Well logging, & Scientific Gyro Tool, RIH w/Gyro, Log fr/5,632' - 0', RD Gyro & Basin Perforaters, RU Phoenix Services Slickline, RIH & Retrieve 1.78" Blanking Plug, OH w/68 joints 2-3/8" Tubing.

04-20-2010

SU, Start Rig, Discuss POH & RIH w/Pkr & Tubing, Acidizing, Air Foam Unit, POH w/110 joints 2-3/8" Tubing, PU & RIH w/Weatherford 5" Pkr, 162 joints 2-3/8" Tubing, Set Pkr @ 5190', RU Halliburton Ac Equip, Acidize MV Perfs fr/5,272' - 5,678', Pump 12 bbls PW @ 3 BPM & 85 psi, Pump 48 bbls 15% HCL FE Acid @ 6 BPM & 1,885 psi, Flashed w/25 bbls PW @ 6 BPM & 2,100 psi, ISIP 36, 15 secs 0 psi, Max TP 2,800, Max Rate 7 BPM, Avg TP 1,900 psi, Avg Rate 6 BPM, RD Halliburton Ac Equip, POH w/162 joints 2-3/8" Tubing, 5" Pkr, LD Pkr PU & RIH 4-1/4" Jnk Mill, XO w/String Float, 1 joint 2-3/8" Tubing, 1.78 ID "F" Nipple, 178 joints 2-3/8" Tubing, EOT @ 5,730', Estb Cir w/Air Foam Mist, CO fill, Cir W/Air Foam Mist @ 10 bbls/hr, Recovered 119 bbls, Acid Load 85 bbls, SD AF Unit, LD 4 joints 2-3/8" tubing, POH w/60 joints 2-3/8" tubing.

04-21-2010

SU, Start Rig, Discuss Tubing Handling, Land Tubing Hanger, RD Procedures, PT WH Seals, POH w/110 joints 2-3/8" Tubing, XO, String Float, 4-1/4" Junk Mill, RIH w/2-3/8" MS/Collar, 1joint 2-3/8", 4.7#, J-55, New Tubing, 1.78" ID "F" Nipple, 173 joints 2-3/8", 4.7#, J-55, EUE-8rd New Tubing, EOT @ 5,610', w/12' KB, Land 2-3/8" x 7-1/16" x 2K Tubing Hanger, RD Floor, Ladder, Hand Rails, ND BOP, NU 2-3/8" 2K Wellhead, Pressure Test WH Seals to 2,000 psi, Tested Ok, Rlsd Press, RD AWS-506, Prep to Move to Rosa Unit 85C.

ROSA UNIT #18 MV Location: SE/4 NE/4 Sec. 22 T31N, R06W, Rio Arriba Co., NM Elevation: 6275' GR KB = 12'API # 30-039-07960 9-5/8", 32.3#, H-40 @ 204' Tops Depth N/A Nacimiento Ojo Alamo 2310' Kirtland 2411' 3088' Pictured Cliffs; 34 Holes Fruitland 2908' 3171' Pictured Cliffs 3082' Lewis 3475' Cliff House 5210' 7" 20 # J-55 @ 3575' Menefee 5307' Point Lookout 5544' 173 jts of 2 3/8", 4.7#, J-55, EUE 8rd tbg @ 5610' as follows: 110 jts 2 3/8" tbg, XO, String Float, $4 - \frac{1}{4}$ " Junk Mill, RIH w/2 3/8" MS/Collar, 1 full jt, 1.78" ID F-Nipple. **STIMULATION** PC: 3088' to 3171' 110,000# 20 / 40 in 12,180 gals of 30# X-Link gel in a 70 quality foam. 1. 50,000# of sand in 75,000 gals of water. 5272' Dropped 193 balls MV Perforations 2. Re-frac: 151,200 gals of water & 625 balls. 5678' 5" 11.5# J-55 from 3455' to 5766'

-	Hole Size	Casing	Cement	Volume	Top Of CMT
	13 - 3/4"	9-5/8", 32.3#	175 sx	207 cu. ft.	surface
	8 - 3/4"	7", 20#	200sx	347 cu. ft.	2255'(calc)
	6 - 1/4"	5", 11#	150 sx	177 cu. ft.	4615'(calc)

PBTD @ 5740'