In Lie Form	
(June	1990)

In Lieu of Form 3160-5 (June 1990)	DEPARTMENT	ED STATES OF THE INTERIOR AND MANAGEMENT		FORM APPROVED Budget Bureau No. 1004-0135 Expires: March 31, 1993	
	SUNDRY NOTICES A	RECEIVED AND REPORTS ON WELLS FLIT	5.	Lease Designation and Serial No. SF-078771	
	e this form for proposals to drill or ITON FOR PERMIT—* for such pro-	r to deepen or reentry to a different reservoir. Use roposals 91,007 18 Pil 1:02	6.	If Indian, Allottee or Tribe Name	
	SUBMIT	IN TRIPLICATE DED FARMINGTON, NM	7.	If Unit or CA, Agreement Designation	
	ype of Well ☐ Oil Well ☐ Gas Well	□ Other	8.	Well Name and No. ROSA UNIT #1E	
	Name of Operator EST PIPELINE CORP.		9.	API Well No. 30-039-25411	
	Address and Telephone No. 8900 MS 2M3 SLC UTAH 84158-0	900 (801)584-6981	10.	Field and Pool, or Exploratory Area BLANCO MESAVERDE/BASIN DAKOTA	
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 830' FSL 830' FEL SEC. 11, T31N, R6W			11.	County or Parish, State RIO ARRIBA, NEW MEXICO	
	CHECK APPROPRI	ATE BOX(s) TO INDICATE NATURE OF NOTICE	e, repo	RT, OR OTHER DATA	
T	YPE OF SUBMISSION	ТҮРЕ	OF ACI	NON	
c	Notice of Intent	Abandonment		☐ Change of Plans	
0	Subsequent Report	☐ Recompletion ☐ Plugging Back		□ New Construction □ Non-Routine Fracturing	
	Final Abandonment	☐ Casing Repair ☐ Altering Casing		☐ Water Shut-Off ☐ Conversion to Injection	
		☑ Other <u>COMPLETION OPERATIONS</u>	<u>S</u> _	☐ Dispose Water (Note: Report results of multiple completion on	
				Well Completion or Recompletion Report and Log form.)	
9-02-94 Drilled c logs. Set 9-03-94 Tested tr 7957', 794 and injec 9-07-94 Fraced D scf N ₂ as 8925 gal	ement from 7914' to 8038'. CIBP at 8033'. The saver to 6000# - OK. Be 63', and 7981'. PU isolation rates from 1.2 BPM to 20 Dakota with 102,300# of 20/follows: 10,710 gal pad, 598 at 5 ppg resin coated sand.	Circulated hole clean and TOH. Blue Jestine Jet perforated total of 10 (0.36") holes a tool and breakdown perfs individually. Brown 2.4 BPM. 40 sand in 55,586 gal of 30# cross-linked lost 5 gal at 1 ppg, 9975 gal at 2 ppg, 10000 gal at Flushed with 3276 gal. Well screened out = 30 BPM, MTP = 5950#, MIR = 30 BPM	at 7887 eakdow w pH 2 at 3 ppg during	lual spaced neutron, GR/CCL, and CBL ', 7895', 7927', 7933', 7939', 7945', 7951', on pressures ranged from 3250# to 5200# zirconium 60 quality foam using 1,029,000 to 6000 gal at 4 ppg, 8400 gal at 5 ppg, and	
14 .	hereby certify that the foregoing	is true and correct		OH CORE PUR \\	
	Signed <u>KATHY BARNEY</u>	Title <u>SR_OFFICE ASSISTANT</u> Date	10/12/9	4 MA	
((This space for Federal or State of	fice use)			
4	Approved by	Title		Date	
•	Conditions of approval, if any:			-	
Title 18 U fictitious o	S.C. Section 1001, makes it a crir r fraudulent statements or represe	me for any person knowingly and willfully to make to nations as to any matter within its jurisdiction.	any de	PACIENTED FOR RECORD any false, partment or agency of the United States any false,	
		*See Instruction on Pewerse Side		00T 1 8 1994	

*See Instruction on Reverse Side

FARMINGTON DISTRICT OFFICE

9-10-94

Set drillable BP at 6050'. Perforate 4 squeeze holes (0.50" dia.) at 5275'. Western squeezed with 150 sx (177 cu.ft.) of CL "B" neat cement. Displaced cement with 21.25 bbls. Final squeeze pressure = 1800#. Release packer and POH to 4750'. Reset packer and pressured squeeze to 1800#. SI well to WOC.

9-11-94

Tag cement at 5076'. Drill cement to 5135'. TIH to 5700' and circulate hole clean. TOH. Blue Jet ran CBL across squeeze interval. Bond OK. Pressure tested casing to 2500# - held OK.
9-13-94

RU Western pressure test to 3300# - held OK. RU Blue Jet and perforate MV at 5650', 5652', 5654', 5656', 5658', 5668', 5670', 5672', 5674', 5679', 5681', 5683', 5685', 5687', 5689', 5691', 5693', 5695', 5697', 5699', 5701', 5716', 5718', 5720', 5722', 5724', 5752', 5757', 5785', 5897', 5899', 5901', 5919', 5921', and 5973'. Total of 35 (0.32') holes.
9-14-94

TOH. Western fraced Point Lookout with 41,454 gal pad of slick water, followed by 82,300# of 20/40 sand in slick water at 1 - 2 ppg. Job completed at 1230 hrs 9/13/94. ISIP = 930#. AIR = 65 BPM, ATP = 2100#, MIR = 70 BPM, and MTP = 2800#. Total fluid = 88,242 gal of slick water. Blue Jet set RBP at 5630'. Pressure tested RBP to 3300# but did not hold. Injecting 3 BPM at 1300#. 9-15-94

Western established rate of 2 BPM at 1000#. Pumped 100 sx (118 cu.ft.) of Cl "B" cement at 2 BPM and from 900 to 600#. Displaced with 33.9 bbls. Final squeeze pressure was 1500#.

9-16-94

Tag cement at 5202'. Drill hard cement to 5284'. TIH to 5625' and circulate hole clean. Pressure test squeeze holes to 3300# - held OK. TOH. Blue Jet perforated 3rd stage as follows: 5356', 5397', 5402', 5435', 5457', 5478', 5488', 5490', 5492', 5527', 5529', 5531', 5533', 5535', 5537', 5539', 5541', 5543', 5545', 5547', 5549', 5551', 5553', 5555', 5571', 5586', 5588', 5590', 5592', 5594', 5596', 5598', 5600', 5602', and 5604'. Total of 35 (0.32") holes.

9-17-94

Western fraced with a 10,458 gal pad of slick water, followed by 89,000# of 20/40 sand in slick water at 1-2.5 ppg. Job completed at 1035 hrs 9/16/94. ISIP = 550#, 15 min. = 150#. ATP = 2800#, AIR = 70 BPM, MTP = 3200#, MIR = 72 BPM. Total fluid = 93,072 gals.

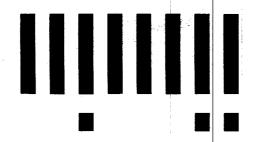
10-8-94

Blue Jet set Model "D" production packer at 6060'.

Dakota tubing: Ran 248 jts (7933.48') of 1-1/2", 2.9#, J-55, 10rd EUE as follows: 1/2 mule shoe collar on bottom, SN (1.375"ID @ 7914') on top of bottom joint, 58 jts. of tail pipe, a 5 unit seal assembly, 189 jts of tubing, 1 (5.95') 1-1/2" 2.9# J-55 pup jt. on top. Landed @ 7945' KB. Set 6000# on packer.

Mesa Verde tubing: Ran 170 jts. (5895.14') of 1-1/4", 2.33#, J-55, 10rd IJ as follows: orange peeled perforated nipple on bottom and a SN (1.062"ID @ 5868') on top of bottom joint. Landed @ 5907' KB. Wait on 1-1/4" X 1-1/2" swedge to land tubing. SDON. 10-9-94

Land MV tubing. Rig released at 1230 hrs 10/8/94.



T LTR

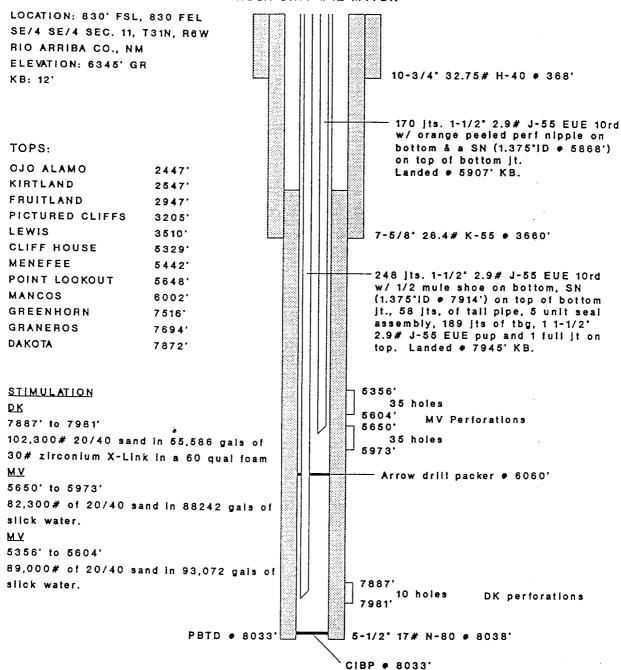


Job separation sheet

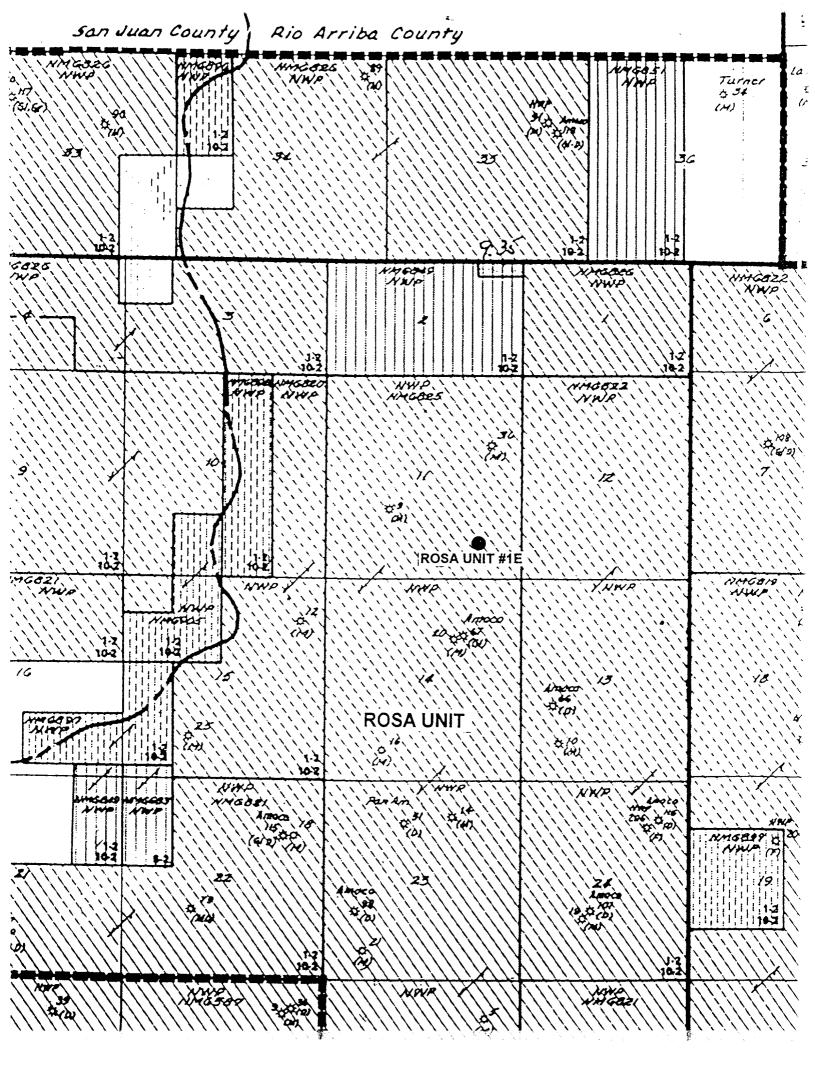
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DISTRICT 1 P.O.Box 1980, Hobbs, NM 88241- 1980 DISTRICT II P.O.Drawer DD, Artesia, NM 88211- 0719	Energy, Minerals and Nat	New Mexico ural Resources Department ATION DIVISION ox 2088	Form C-107 Revised 4-1-91
<u>DISTRICT III</u> 1000 Rio Brazos Rd., Aztec, NM 87410	Santa Fe, New M	lexico 87504-2088	Filing Instructions Bottom of Page
		JLTIPLE COMPLETION	
NORTHWEST PIPELINE COP	RPORATION P.O. BOX 58900 S	ALT LAKE CITY, UTAH 84158-	0900
ROSA UNIT #1E	P		
Lease Well No.		— Sec — Twp — Rge	County
All applicants for multiple completion	must complete Items 1 and 2 below.	<u> </u>	
The following facts are submitted:	Upper Zone	Immediate Zone	Lower Zone
a. Name of Pool and Formation	BLANCO MESAVERDE		BASIN DAKOTA
b. Top and Bottom of Pay Section (Perforations)	5356' - 5973'		7887' - 7981'
c: Type of Production (Oil or Gas)	GAS	The second secon	GAS
d: Method of Production (Flowing or Artificial Lift)	FLOWING		FLOWING
e: Daily Production ☐ Actual ☑ Estimated Oil Bbls. Gas MCF Water Bbls.	PITOT 1808 MCF/D	OCT 3 1 1994 JL GOM. DIV.	PITOT 5548 MCF/D
location and type of packers ar b. Plat showing the location of all offsetting applicant's lease. c. Electrical log of the well or other	ultiple Completion, showing all casing so , quantities used and top of cement, pe nd side door chokes, and such other info wells on applicant's lease, all offset well or acceptable log with tops and bottoms application is filed it shall be submitted	or producing zeroe and integral and	ing diameters and setting depth, addresses of operators of all leases
OPERATOR:		OIL CONSERVATION DIV	ISION
I hereby certify above information is tru knowledge, and belief.	e and complete to best of my	Approved by:	
Signature Kathy Back	ney_	SUPERVISOR DISTRICT	**3
Printed Name & Title KATHY BARNEY Date 10/17/94	SR. OFFICE ASSISTANT Telephone(801)584-6981	Date: OCT 3 1 1994	
	<u> </u>		

WELLBORE DIAGRAM

ROSA UNIT #1E MV/DK



HOLE SIZE	CASING	CEMENT	VOLUME	TOP OF CMT
13-3/4"	10-3/4 32.75#	240 SX	286 CU.FT.	SURFACE
9-7/8	7-5/8" 26.4#	865 SX	1607 CU.FT.	SURFACE
6-3/4"	5-1/2" 17#	415 SX	601 CU.FT.	3030' (SURV



OFFSET OPERATORS ROSA UNIT #1E P-11-31N-6W

1. <u>LEASE: ROSA UNIT</u>

Operator: Northwest Pipeline Corp, MS-2M3, P.O. Box 58900, Salt Lake City, UT, 84158-0900

erature erature 3 Measured From: @ MRT lling Measured From: manent Datum: **DSA UNIT NO. 1E** ORTHWEST PIPELINE CORP. J' FSL & 830' FEL ANCO MV / BASIN DAKOTA Time Time API Serial No. N/A @ 109 109 DEGF 30-JUN-1994 3659 F 6.750 IN AIR-GAS PHILLIPS 8036 F 8036 F 8034 F 5050 F 7.625 IN Z Z Z 30-JUN-1994 8426 FARMINGTON 30-JUN-1994 NA A PKB GROUND LEVEL STATE: @ @ @ **©** SECTION 11 WITH GAMMA RAY LITHO-DENSITY EPITHERMAL NEUTRON 21:00 @ 109 3660 F **NEW MEXICO** TOWNSHIP 31N Elev.: K.B. 6357 F 12.0 F @ FINAL PRINTS 6345 F above Perm. Datum O.F. e:r: 6345 F 6356 F PANGE 6W (5300 5400 Ю

