

Form C-140
Revised 06/99

**Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505
(505) 476-3440**

APPLICATION FOR
WELL WORKOVER PROJECT

VII. DATE OF NOTIFICATION TO THE SECRETARY OF THE TAXATION AND REVENUE DEPARTMENT:

REG_DTL_D

BLANCO MESAVERDE

6/1/2002	8862
7/1/2002	10942
8/1/2002	10688
9/1/2002	10703
10/1/2002	11239
11/1/2002	11024
12/1/2002	10312
1/1/2003	10089
2/1/2003	10014
3/1/2003	10604
4/1/2003	10815
5/1/2003	10402
6/1/2003	3776
7/1/2003	11687
8/1/2003	10104
9/1/2003	12736

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Operations Summary Report

Legal Well Name: EPNG COM #1A
 Common Well Name: EPNG COM #1A
 Event Name: CAP WORKOVER
 Contractor Name: DRAKE WELL SERVICE
 Rig Name: DRAKE

Spud Date: 09/10/1985
 Start: 06/08/2003 End: 06/16/2003
 Rig Release: 06/16/2003 Group:
 Rig Number: 27

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
06/10/2003	10:00 - 11:30	1.50	MIMO	a	MIRU	RR TO LOCATION
	11:30 - 15:00	3.50	RURD	a	MIRU	MIRU / SU AND EQUIP (VERY TIGHT LOCATION) HAD D/S SUPER LOOK AT LOCATION ,THEY FEEL IT IS NECESSARY TO STRIP PROD EQUIP IN ORDER TO GET FRAC EQUIP ON LOC
06/11/2003	15:00 - 16:00	1.00	BLOW	a	OBJECT	BWD SICP - 150 PSI SITP - 125 PSI TBG IN FAIR CONDITION
	16:00 - 17:30	1.50	TRIP	a	OBJECT	TOOH W/ TBG 167 JTS 2 3/8" EUE 8 RD TBG IN HOLE
	17:30 - 18:00	0.50	SHDN	a	OBJECT	SWI / SDFN
	05:30 - 06:30	1.00	MIMO	a	PREWRK	CREW TRAVEL
06/12/2003	06:30 - 07:00	0.50	SAFE	a	PREWRK	HSM W/ 4 CREW, AIR HAND, W/L HANDS, AND BR CONSULTANT BOP FUNTIONS TEST - OK
	07:00 - 08:00	1.00	BLOW	a	CLEAN	B W D
	08:00 - 09:00	1.00	WIRE	a	OBJECT	RU/ BASIN WIRELINE, WLS 4 1/2" CIBP @ 4406' R/D W/L (CSG COLLAR @ 4400')
	09:00 - 10:00	1.00	PUMP	a	OBJECT	PUMP 600 GALS 15% 3 INHIBITED HCL & LOAD HOLE W/ 2 % KCL
	10:00 - 10:30	0.50	PULD	a	OBJECT	PU/MU/TIH W/1 JTS 2 3/8 TBG AND 7" ARROW (TENSION) PKR & SET
	10:30 - 11:00	0.50	PRES	a	OBJECT	PRESS TEST CSG TO 3000 PSI @ 15 MIN (HELD)
	11:00 - 12:00	1.00	TRIP	a	OBJECT	TOOH L/D PKR
	12:00 - 13:00	1.00	CASE	a	OBJECT	RUN GR/ CCL FROM 4406' TO 3000' R/D WIRE LINE
	13:00 - 17:00	4.00	RURD	a	OBJECT	SET TANKS AND MOVE EQUIP FOR FRAC
	17:00 - 17:30	0.50	SHDN	a	OBJECT	SWI / SDFN
	05:30 - 06:30	1.00	MIMO	a	PREWRK	CREW TRAVEL
	06:30 - 07:00	0.50	SAFE	a	PREWRK	HSM W/ 4 CREW, 2 W/L HANDS , AIR HAND, PKR HAND, 20 FRAC HANDS
06/12/2003	07:00 - 09:00	2.00	PERF	a	OBJECT	PERF LEWIS FORMATION MADE 1 ST RUN, PERF 1 HOLE, COLLAR LOCATOR QUIT, POOH, REHEAD PERF AS FOLLOWS: S/F 25 HOLES , .33 DIA W/ 25.89 PEN. 12 GRAM (GOEX XII - GM) 3 1/8" HSC @ FOLLOWING DEPTHS 4380', 64', 56', 44', 26', 18', 4253', 06', 4180', 64', 35', 4062', 57', 35', 15', 3992', 18', 02', 3890', 53', 48', 3775', 22', 20', 12' 25 HOLES , ALL SHOTS FIRED
	09:00 - 12:00	3.00	FISH	a	OBJECT	FRAC LEWIS PRE SPOT 600 GALS 15 % 3- I HCL ON 6/10/2003 BREAKDOWN FORMATION W / 2% KCL 3 BPM @ 1715 PSI PUMPED APPROX 10, 000 GAL 75 Q FOAM PAD @ 50 BPM @ 2690 PSI, 20# LINEAR GEL PUMPED APPROX 200,000 # 20/40 BRADY SAND @ 1- 3 PPG SAND CONC @ 52 - 57 BPM @ 2670 - 2140 PSI, 75 Q FOAM, 20 # LINEAR GEL DISPLACE W/ 53 FLUID BBLS AND 58,600 SCF/ N2
						MIN MAX AVG
						RATE 50 BPM 57 BPM 54 BPM
						PRESS 2130 PSI 2690 PSI 2250 PSI
						N2 28,022 SCF/ MIN 28,300 SCF/ MIN 28,200
						SCF/MIN
						ISIP - 1392 PSI
						TOTAL FLUID TO RECOVER - 649 BBLS
						TOTAL SAND- 200,000 # 20/ 40 BRADY
						TOTAL N2- 1,429,600 SCF

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 Group:
 Rig Number: 27

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
06/12/2003	12:00 - 05:30	17.50	FLOW	a	CLEAN	FLOW WELL BACK TIME PRESS CHOKE WTR SAND COMMENTS 1300 1250 16/64 M/M N/S 1600 750 16/64 H/M N/S CHANGE TO 24 1700 250 24/64 H/WTR N/S CHANGE TO 48 1900 450 48/64 H/ FOAM N/S CHANGE TO 24 HAVE RECOVERED APPROX 300 BBLS OF FRAC LOAD WTR SO FAR 2000 500 24/64 H/M T/S 2100 475 24/64 H/M L/S 2200 475 24/64 H/M T/S CHANGE TO 32 2300 350 32/64 H/M N/S 0100 250 32/64 H/M T/S CHANGE TO 48 0200 130 48/64 H/M T/S 0400 65 48/64 H/M N/S CHANGE TO 2 " 0500 10 2" H/M N/S
06/13/2003	05:30 - 06:30	1.00	MIMO	a	PREWRK	CREW TRAVEL
	06:30 - 07:00	0.50	SAFE	a	PREWRK	HSM W/ 4 CREW , 2 AIR HANDS, PKR HAND, AND BR CONSULTANT BOP FUNTIONS TEST - OK
	07:00 - 07:30	0.50	KILL	a	OBJECT	KILL WELL W/ 20 BBLS 2 % KCL
	07:30 - 08:00	0.50	NUND	a	OBJECT	N/D FRAC EQUIP
	08:00 - 08:30	0.50	PULD	a	OBJECT	TOOH L/D PKR
	08:30 - 10:00	1.50	PULD	a	OBJECT	PU/MU/ TALLY/ IH W/ 3 7/8" 5 BLADE MILL (TAG @ 4152')
	10:00 - 10:30	0.50	RURD	a	OBJECT	RU/ SWIVEL
	10:30 - 14:30	4.00	COUT	a	CLEAN	C/O TO CIBP @ 4406 (254 ' OF FILL) W/ 1700 CFM / AIR AND 14 BPH / MIST
	14:30 - 17:30	3.00	MILL	a	CLEAN	M/O CIBP W/ 1700 CFM/ AIR AND 14 BPH / MIST (TEST MILL W/ 1/2" WATER COURSES WORKING VERY WELL)
	17:30 - 05:30	12.00	BLOW	a	CLEAN	BLOW / FLOW WELL TCU AS FOLLOWS; TIME COMPS PRESS PUMP RETURN SAND 1800 3 & 1 540 PSI 4 BPH 8.6 BPH 1/4 CUP 2000 3 & 1 540 5 6.6 1/2 CUP 2200 3 & 1 530 5 6.0 TBL/ SP 2400 2 & 1 500 4 5.8 T / SP 0200 2 & 1 480 4 5.6 T / SP 0400 2 & 1 470 4 5.1 1/2 T/ SP 0500 2 & 1 470 4 4.7 1/2 T/ SP
06/14/2003	05:30 - 06:30	1.00	MIMO	a	PREWRK	CREW TRAVEL
	06:30 - 07:00	0.50	SAFE	a	PREWRK	HSM W/ 4 CREW , AIR HAND, AND BR CONSULTANT BOP FUNTIONS TEST - OK
	07:00 - 09:00	2.00	COUT	a	CLEAN	C/O TO PBTD W/ 1700 CFM / AIR AND 14 BPH / MIST
	09:00 - 09:30	0.50	RURD	a	OBJECT	R/D SWIVEL
	09:30 - 10:30	1.00	TRIP	a	OBJECT	TOOH L/D MILL
	10:30 - 13:00	2.50	TRIP	a	OBJECT	TIH W/ PRODUCTION STRING (BROACHED AS RUN)
	13:00 - 13:30	0.50	PUMP	a	OBJECT	PUMP CHECK
	13:30 - 05:30	16.00	BLOW	a	CLEAN	BLOW / FLOW / UNLOAD, WELL TCU TIME PRESS PUMP RECOV SAND/ PER BUCKET 1800 NATURAL FLOW RECOV 1.2 BPH N/S 1900 NATURAL FLOW RECOV 1.0 BPH N/S 2000 430 PSI 4 BPH 5.3 BPH 1 TSP 2100 NATURAL FLOW RECOV 1.5 BPH N/S

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06/14/2003	13:30 - 05:30	16.00	BLOW	a	CLEAN	2200 500 PSI 4 BPH 6.4 BPH 1 CUP 2300 420 PSI 4 BPH 8.5 BPH 2 TBL / SP 2400 500 PSI 4 BPH 2.0 BPH 2 CUPS 0100 550 PSI 4 BPH 1.0 BPH 1.5 CUPS 0200 600 PSI 4 BPH 1.2 BPH 1.0 CUP 0300 575 PSI 4 BPH 1.4 BPH 1.0 CUP 0400 575 PSI 4 BPH 1.4 BPH 1.0 CUP
06/15/2003	05:30 - 05:30	24.00	BLOW	a	CLEAN	BLOW / FLOW WELL TCU TIME PRESS PUMP RECOVER 1100 PUMP 4 BBL SWEEP RETURNING HVY SAND 1200 200 PSI N/ MIST 2 BPH L/S 1300 200 N/ MIST 2 BPH T/S 1600 NATURAL FLOW < 1 BPH T/S PUMP 5 BBL SWEEP RECOVER 7 BBL 1 CUP SAND / PER BUCKET TO 1 TBL/ SP AT END OF SWEEP 1700 220 N/ MIST 1.9 BPH 1 TSP SAND / PER BUCKET 1800 NATURAL FLOW < 1 BPH T/S 2100 NATURAL FLOW < 1 BPH T/S PUMP 5 BBL SWEEP 6 BBL 1 CUP TO 1 TSP SAND P/B 2200 180 4 BPH 4.8 BPH 1 TSP 1 & 1 COMPS 2300 NATURAL FLOW 1.7 BPH T/S 0200 NATURAL FLOW 1.1 BPH N/S PUMP 4 BBL SWEEP 6.1 BPH 2 TBL/SP TO 1 TSP SAND P/B 0300 200 4 BPH 6.2 BPH 1 TSP P/B 1 & 1 COMPS 0600 NATURAL FLOW RECOV 1.2 BPH N/S
06/16/2003	05:30 - 05:30	24.00	BLOW	a	CLEAN	BLOW / FLOW/ U;OAD WELL , TCU 0600 NATURAL FLOW 1.2 BPH WTR TR/ SAND 4 BBL SWEEP 2 TBL/ SP TAPERING TO 1 TSP SAND 0700 1 & 1 200 PSI 4 BPH MIST RECOV 5.9 BBL TSP SAND P/BUCKET 0800 NATURAL FLOW < 1 BPH WTR N/S 1200 NATURAL FLOW < 1 BPH WTR N/S 4 BBL SWEEP 3/4 CUP TAPERING TO 1 TSP SAND 1300 1 & 1 200 PSI 4 BPH MIST RECOV 3.3 BBL WTR TR/ SAND 1400 NATURAL FLOW < 1 BPH WTR N/S 1700 NATURAL FLOW < 1 BPH WTR N/S 4 BBL SWEEP 2 TBL/ SP TAPERING TO TR/ SAND 1800 1 & 1 220 PSI 4 BPH MIST RECOV 5.6 BBL WTR TR / SAND 2100 NATURAL FLOW < 1/2 BPH WTR N/S 2200 NATURAL FLOW 0 BPH WTR DRY GAS N/S 4 BBL SWEEP 1 1/2 CUP TAPERING TO TBL/ SP SAND 2400 4 BBL SWEEP 2 TBL/ SP TAPERING TO TSP SAND 0100 1 & 1 220 PSI 4 BPH MIST RECOV 5.3 BPH WTR TSP SAND 0200 CLOSE PIPE RAMS OPEN 2" 0500 CSG PITOT 23 OZ ON 2" - 745 MCF (WET) CREW TRAVEL HSM W/ 4 CREW , 2 AIR HANDS, BR CONSULTANT LAND WELL 167 JTS 2 3/8" J-55, EUE 8 RD TBG IN WELL, S/N S/A
06/17/2003	05:30 - 06:30	1.00	MIMO	a	PREWRK	
	06:30 - 07:00	0.50	SAFE	a	PREWRK	
	07:00 - 08:00	1.00	NUND	a	OBJECT	

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06/17/2003	07:00 - 08:00	1.00	NUND	a	OBJECT	5401', EOT S/A 5434', TBG IS BROACHED, MIN ID 1.780" ,CSG PITOT- 23 OZ ON 2"
	08:00 - 09:30	1.50	RURD	a	RDMO	745 MCF (WET) TBG PITOT- TSTM RDMO TO EPNG COM # 1R RLSE RIG @ 0900 HRS 06/16/2003 NOTIFIED BRUCE VOILES WELL SUMMARY AS FOLLOWS; RR TO LOC, MIRU / SU AND EQUIP (VERY TIGHT LOC.) BWD, ND/ NU, TOOH W/ TBG. BWD, RU/ W/L & SET 4 1/2" CIBP @ 4400', PUMP 600 GALS 15% HCL , LOAD HOLE W/ 2% KCL, TIH W/ PKR, P/T CSG 3000 PSI @ 15 MIN (HELD) TOOH L/D PKR, RUN GR/CCL, SET TANKS AND MOVE EQUIP FOR FRAC. PERF 25 HOLES (COLLAR LOCATOR QUIT, POOH, REHEAD) FINISH PERFORATING, FRAC LEWIS FORMATION W/ 200,000 # 20/40 BRADY SAND, (SCHLUMBERGER HAD NEAR MISS) FLOW WELL BACK TCU. KILL WELL, N/D FRAC EQUIP, TOOH L/D PKR, TALLY / IH W/ 5 BLADE 3 7/8" MILL, RU / SWIVEL, C/O TO CIBP S/A 4406' (254' OF FILL) M/O CIBP, BLOW / FLOW WELL TCU. C/O TO PBTB, R/D SWIVEL, TIH W/ PRODUCTION STRING (BROACHED AS RUN) , PUMP CHECK, BLOW/ UNLOAD/ FLOW WELL TCU. LAND WELL, RDMO TO EPNG COM # 1R RLSE RIG @ 0930 HRS, 06/16/2003, NOTIFIED BRUCE VOILES CSG PITOT 23 OZ ON 2 " (745 MCF) WET TBG PITOT TSTM TRANSFER 10 JTS 2 3/8" TBG W/ RIG TO EPNG COM # 1R