BOPCO, L.P.
201 MAIN ST.
FORT WORTH, TEXAS 76102-3131
817/390-8400

April 7, 2009

FEDERAL EXPRESS

Bureau of Land Management
Carlsbad District Office
620 E. Green St.
Carlsbad, New Mexico 88220
Attn: Mr. Wesley Ingram

New Mexico State Land Office
Commissioner of Public Lands
310 Old Santa Fe Trail
Santa Fe, New Mexico 87501
Attention: Mr. Pete Martinez

New Mexico Oil Conservation Division
1220 St. Francis
Santa Fe, New Mexico 87505
Attention: Mr. William Jones

Re: Commercial Determination
James Ranch Unit Well No. 17
Delaware Formation
Eddy County, New Mexico

Gentlemen:

Please find attached hereto one (1) copy of Bass' commercial determination worksheets and exhibits which indicate that the subject well is a commercial well in the Delaware Formation. Please indicate your concurrence to the above Commercial Determination. Upon your execution hereof, Bass will submit a participating area for the well.

Thank you very much and should you have any questions or comments in regard to the attached commercial determination, please do not hesitate to contact the undersigned.

Very truly yours,

Brad Glasscock

Bureau of Land Management	New Mexico State Land Office	New Mexico Oil Conservation Division
By: _____	By: _____	By: _____
Its: _____	Its: _____	Its: _____
Date: _____	Date: _____	Date: _____

WORKSHEET FOR COMMERCIAL DETERMINATION AND PARTICIPATING AREA IN FEDERAL UNITS

WELL DATA

WELL JAMES RANCH UNIT NO. 17 FORMATIC DELAWARE

LOCATION F UNIT, 2080 FEET FROM N LINE & 1980 FEET FROM W LINE

SECTION 6 TOWNSHIP 23S, RANGE 31E, COUNTY EDDY, NEW MEXICO

SPUD DATE 12/14/93 COMPLETION DATE 2/8/96 INITIAL PRODUCTION 2/8/96

PERFORATIONS 7547-7557'

STIMULATION:

ACID 1200 GALS 7-1/2% HCL ACID + ADDITIVES & 30 RCN BALL SEALERS.

FRACTURE 18,000 GALS DOWELL 30# XL GEL & 76,000# 20/40 BRADY SAND.

POTENTIAL 2/23/96 135 BOPD, 66 BWPD, 64 MCFPD.

(Attach Copy of C-105. Attach Copy of Wellbore Sketch of Completed Well.)

VOLUMETRIC CALCULATION

	SANDS PERFORATED		SANDS NOT PERFORATED BUT POTENTIALLY PRODUCTIVE
Area (A) proration unit size, acres	40		40
Porosity (por), %	12.0%		15.0%
Water saturation (Sw), %	60%		63%
Net Thickness (h), ft.	57		40
Temperature (T), Fahrenheit	120		120
Bottom Hole pressure (P), psia	3,270		3,165
Recovery factor (RF), %	16%		10%
Recoverable oil, BBLS *(See eq. below)	90,564		45,927

*Sometimes unable to match performance due to volumetric uncertainty.

Formula = (7758) (A) (h) (por) (1-Sw) (1/Boi) (RF) Boi = 1.50

JAMES RANCH UNIT NO. 17
Continued

PERFORMANCE DATA

(If sufficient history exists, attach plot of oil production rate v time.)

CUMULATIVE PRODUCTION TO 11/30/99 ; 36,554 BBLS

	PRODUCING	BEHIND PIPE
INITIAL RATE (qi)	482	2,128
ECONOMIC LIMIT (ql)	60	60
DECLINE RATE, dy (Hyperbolic, n = .995)	16.63%	69.15%
REMAINING OIL (Q) =	51,146	38,000
ULTIMATE RECOVERABLE OIL	125,700	

(Attach plat showing proration unit and participating area.)

ECONOMIC

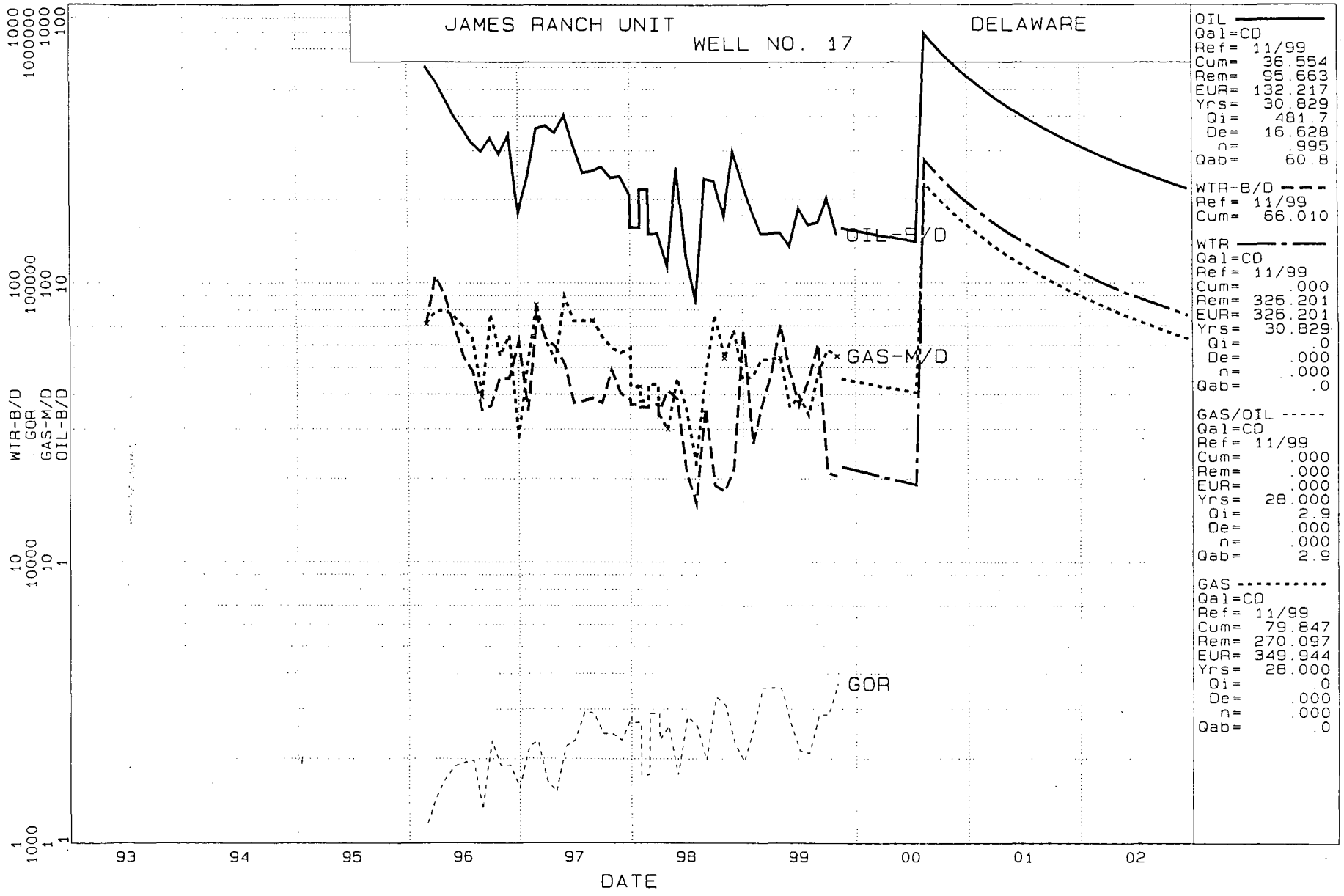
WELL COST $ 570,000 (to the depth of formation completed)

RECOMPLETION COST $ 65,000 (8/2000)

TOTAL COST $ 635,000

YEAR	GROSS OIL	REVENUE	OPERATING COST	10% NET BFIT DISCOUNTED CASH FLOW
ZERO	0	0	0	-570,000
1	12,500	280,300	49,900	219,200
2	10,600	235,900	45,200	164,200
3	6,100	96,100	32,600	49,500
4	6,700	142,800	37,400	74,300
5	13,500	369,700	49,700	204,200
6	15,000	351,500	49,700	174,200
7	9,400	208,100	37,300	89,200
8	6,900	145,800	32,000	53,800
9	5,400	114,600	29,300	36,500
10	4,500	94,500	27,400	25,900
REMAINDER	35,200	747,400	424,300	78,300

WELL IS COMMERCIAL


JAMES RANCH UNIT
WELL NO. 17
DELAWARE
OIL-B/D
GAS-M/D
GOR
WTR-B/D
GOR
GAS-M/D
OIL-B/D
1000
1000000
10000
100
100
100000
100
10
10
10000
10
1
1
1000
1
.1
93
94
95
96
97
98
99
00
01
02
DATE
OIL
Qal=CD
Ref= 11/99
Cum= 36.554
Rem= 95.663
EUR= 132.217
Yrs= 30.829
Qi= 481.7
De= 16.628
n= .995
Qab= 60.8
WTR-B/D
Ref= 11/99
Cum= 66.010
WTR
Qal=CD
Ref= 11/99
Cum= .000
Rem= 326.201
EUR= 326.201
Yrs= 30.829
Qi= .0
De= .000
n= .000
Qab= .0
GAS/OIL
Qal=CD
Ref= 11/99
Cum= .000
Rem= .000
EUR= .000
Yrs= 28.000
Qi= 2.9
De= .000
n= .000
Qab= 2.9
GAS
Qal=CD
Ref= 11/99
Cum= 79.847
Rem= 270.097
EUR= 349.944
Yrs= 28.000
Qi= .0
De= .000
n= .000
Qab= .0

JRU #17 DELAWARE
PREPARED BY: KENT ADAMS

DATE : 02/08/00
TIME : 07:57:46
DBS FILE : JRUPA
SETUP FILE : CD
SEQ NUMBER : 38

	INPUT DATA							CALCULATED DATA				
ITEM	SCHEDULING RATES			SCHEDULE UNTIL		PROCEDURE		ULTIMATE	LAST	EFF. DECL	INIT. RATE	FINAL RATE
405 START	11/99											
410 OIL	481.70	X	B/M	08/2000	AD	H/0.995	16.63	40.618	7/00	16.63	482.	424.
415 "	2524.60	X	B/M	05/2019	AD	H/0.995	69.15	121.100	4/19	69.15	2525.	108.
420 "	108.36	X	B/M	11.12	IMU	EXP	5.00	132.217	8/30	5.00	108.	61.
425 START	11/99											
430 GAS/OIL	2.88	2.90	M/B	11/2027	AD	LOG	TIME		10/27			
435 START	11/99											
440 WTR/OIL	1.41	X	U/B	08/2000	AD	EXP	5.30		7/00	5.30	1.407	1.351
445 "	3.50	3.50	U/B	TO	LIFE	LIN	TIME		8/30			
450 START	01/96											
516 PRI/OIL	16.8800	X	$/B	1/95	MM/YY	PC	.00		8/30		16.880	
517 "	18.39	X	$/B	1/96	AD	PC	.00		8/30		18.390	
518 "	22.26	X	$/B	1/97	AD	PC	.00		8/30		22.260	22.260
519 "	20.74	X	$/B	1/98	AD	PC	.00		12/97		20.740	20.740
520 "	14.43	X	$/B	1/99	AD	PC	.00		12/98		14.430	14.430
521 "	19.25	X	$/B	1/2000	AD	PC	.00		12/99		19.250	19.250
522 "	24.94	X	$/B	1/2001	AD	PC	.00		12/00		24.940	24.940
523 "	20.67	X	$/B	1/2002	AD	PC	.00		12/01		20.670	20.670
524 "	19.20	X	$/B	1/2003	AD	PC	.00		12/02		19.200	19.200
525 "	18.18	X	$/B	1/2004	AD	PC	.00		12/03		18.180	18.180
526 "	18.13	X	$/B	TO	LIFE	PC	.00		8/30		18.130	18.130
531 PRI/GAS	1.8900	X	$/M	1/95	MM/YY	PC	.00		8/30		1.890	
532 "	1.94	X	$/M	1/96	AD	PC	.00		12/95		1.940	
533 "	2.61	X	$/M	1/97	AD	PC	.00		12/96		2.610	2.610
534 "	2.59	X	$/M	1/98	AD	PC	.00		12/97		2.590	2.590
535 "	2.11	X	$/M	1/99	AD	PC	.00		12/98		2.110	2.110
536 "	2.27	X	$/M	1/2000	AD	PC	.00		12/99		2.270	2.270
537 "	2.60	X	$/M	1/2001	AD	PC	.00		12/00		2.600	2.600
538 "	2.58	X	$/M	1/2002	AD	PC	.00		12/01		2.580	2.580
539 "	2.57	X	$/M	TO	LIFE	PC	.00		8/30		2.570	2.570
544 PRI/WTR	.5000	.5000	$/U	1/2000	AD	PC	.00		12/95		.500	.500
545 "	.08	X	$/U	TO	LIFE	PC	.00		12/95		.080	
550 OPC/T	1600.00	X	$/M	TO	LIFE	SCH	OPC		8/30		1600.000	1600.000
555 STX/OIL	7.08	X	%	TO	LIFE	PC	.00		8/30		.071	.071
560 STX/GAS	7.93	X	%	TO	LIFE	PC	.00		8/30		.079	.079
565 ATX	.17	X	%	TO	LIFE	PC	.00		8/30		.002	.002
570 PRI/OIL	-.9100	-.9100	$/B	TO	LIFE	PC	.00		8/30		-.910	18.130
575 PRI/GAS	-.1300	-.1300	$/M	TO	LIFE	PC	.00		8/30		-.130	2.570
700 LSE/WI	100.0000	D	%	TO	LIFE	FLAT	.00		8/30		1.000	1.000

701 OWN/WI	100.0000	D	%	TO	LIFE	FLAT	.00	8/30		1.000	1.000
720 LSE/RIC	12.5000	D	%	TO	LIFE	FLAT	.00	8/30		.125	.125
721 OWN/RI	.0000	D	%	TO	LIFE	FLAT	.00	8/30			
740 LSE/RIG	12.5000	D	%	TO	LIFE	FLAT	.00	8/30		.125	.125
760 LSE/ORR	.0000	D	%	TO	LIFE	FLAT	.00	8/30			
761 OWN/ORR	.0000	D	%	TO	LIFE	FLAT	.00	8/30			

OVERLAYS	SCHEDULING RATES	SCHEDULE UNTIL	PROCEDURE	ULTIMATE	LAST	EFF. DECL	INIT. RATE	FINAL RATE
905 LOAD	P.OIL OIL #			37.000	2/00			
910 LOAD	P.GAS GAS #			81.486	2/00			
915 LOAD	P.WATER WTR #			66.010	2/00			

INVESTMENT	TANGIBLES	& INTANGIBLES	TIME		PROCEDURE		TOTAL T&I	MONTH	RISK INV.	TOT. T&I&R	ESC. T&I&R
800 DRILL	240.00	330.00 M$G	01/96	AD			570.000	1/96	.	570.0	570.0
801 WORKOVER	.00	65.00 M$G	8/2000	AD	PC	.00	65.000	8/ 0	.	65.0	65.0
802 SALVAGE	-24.00	.00 M$G	TO	LIFE			-24.000	8/30	.	-24.0	-24.0

RESERVE PARAMETERS		ITEM		ITEM			
201 LOSS	NO						
205 CUMO, MB	36.55	CUMG, MMF	79.85	CUML, MB			
210 LOSS	NO						

PROJECT ASSUMPTIONS

BASE DATE	: 1/96	TIME FRAMES	: 1*12 38*12 1*600					
P.W. DATE	: 1/96	PW %-AGE	: 10.0	DISC. FREQUENCY	: 365.			
REPORT DATE	: 1/96	PROD QUAL	: CD	OWNER QUAL	: CD	OTHER QUAL	: CD	

JRU #17 DELAWARE
PREPARED BY: KENT ADAMS

DATE : 02/08/00
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DBS FILE : JRUPA
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R E S E R V E S A N D E C O N O M I C S
EFFECTIVE DATE: 1/96

PERIOD ENDING	12/96	12/97	12/98	12/99	12/00	12/01	12/02	12/03	12/04	12/05	S TOT	AFTER	28.7 YR TOTAL
OWNERSHIP													
1) WORKING INTEREST, %	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000
2) REVENUE INTEREST, %	87.500	87.500	87.500	87.500	87.500	87.500	87.500	87.500	87.500	87.500	87.500	87.500	87.500
INVESTMENTS, M$													
3) BORROWED CAPITAL	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4) EQUITY INVESTMENTS	570.0	.0	.0	.0	65.0	.0	.0	.0	.0	.0	635.0	-24.0	611.0
5) RISK	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7) TOTAL	570.0	.0	.0	.0	65.0	.0	.0	.0	.0	.0	635.0	-24.0	611.0
OIL PHASE													
8) GROSS OIL, MB	12.5	10.6	6.1	6.7	13.5	15.0	9.4	6.9	5.4	4.5	90.5	35.2	125.7
9) NET OIL, MB	11.0	9.3	5.3	5.9	11.8	13.1	8.2	6.0	4.7	3.9	79.2	30.8	110.0
10) OIL REVENUE, M$	234.0	183.8	71.8	108.2	284.6	258.9	150.3	103.6	81.3	67.1	1543.5	530.2	2073.6
11) OIL PRICE, $/B	21.35	19.83	13.52	18.34	24.03	19.76	18.29	17.27	17.22	17.22	19.49	17.22	18.85
GAS PHASE													
12) GROSS GAS, MMF	21.3	24.2	14.0	18.5	39.4	43.2	27.1	19.8	15.6	12.9	236.0	101.8	337.7
13) NET GAS, MMF	18.7	21.2	12.2	16.2	34.5	37.8	23.7	17.3	13.6	11.3	206.5	89.0	295.5
14) GAS REVENUE, M$	46.3	52.1	24.2	34.6	85.1	92.6	57.9	42.2	33.3	27.5	495.9	217.3	713.1
15) GAS PRICE, $/MCF	2.480	2.460	1.980	2.140	2.470	2.450	2.440	2.440	2.440	2.440	2.402	2.440	2.413
WATER PHASE													
16) GROSS WATER, MB	20.2	17.1	12.3	15.1	37.2	52.4	32.9	24.0	18.9	15.6	245.7	123.2	368.8
17) NET WATER, MB	20.2	17.1	12.3	15.1	37.2	52.4	32.9	24.0	18.9	15.6	245.7	123.2	368.8
18) WATER PRICE, $/B	.500	.500	.500	.500	.080	.080	.080	.080	.080	.080	.191	.080	.154
ECONOMICS, M$													
19) GROSS REV. TO INTR.	280.3	235.9	96.1	142.8	369.7	351.5	208.1	145.8	114.6	94.5	2039.3	747.4	2786.8
20) - SEV. TAX	20.2	17.1	7.0	10.4	26.9	25.7	15.2	10.7	8.4	6.9	148.6	54.8	203.4
22) - AD VALOREM TAX	.4	.4	.2	.2	.6	.6	.3	.2	.2	.1	3.2	1.2	4.4
23) - OPERATING COSTS	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	192.0	358.4	550.4
24) - SWD	10.1	8.5	6.2	7.6	3.0	4.2	2.6	1.9	1.5	1.2	46.8	9.9	56.7
25) - CAPITAL REPAYMENT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26) - INTEREST PAID	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
27) + NPI OWNED - PAID	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
28) = NET INCOME	230.3	190.7	63.6	105.4	320.1	301.9	170.7	113.8	85.3	67.0	1648.7	323.2	1971.9
29) - INVESTMENTS & RSK	570.0	.0	.0	.0	65.0	.0	.0	.0	.0	.0	635.0	-24.0	611.0
30) = BFIT NET	-339.7	190.7	63.6	105.4	255.1	301.9	170.7	113.8	85.3	67.0	1013.7	347.2	1360.9
PRESENT WORTH @ 10.00 %													
31) NET INCOME	219.2	164.2	49.5	74.3	204.2	174.2	89.2	53.8	36.5	25.9	1091.0	78.3	1169.3
32) INVESTMENTS & RISK	570.0	.0	.0	.0	41.1	.0	.0	.0	.0	.0	611.1	-1.4	609.7
33) BFIT NET	-350.8	164.2	49.5	74.3	163.1	174.2	89.2	53.8	36.5	25.9	479.9	79.7	559.5
34) CUM BFIT NET	-350.8	-186.7	-137.1	-62.8	100.3	274.5	363.7	417.4	453.9	479.9	479.9	559.5	559.5

JRU #17 DELAWARE
PREPARED BY: KENT ADAMS

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A F T E R T A X E C O N O M I C S

EFFECTIVE DATE: 1/96

PERIOD ENDING	12/96	12/97	12/98	12/99	12/00	12/01	12/02	12/03	12/04	12/05	S TOT	AFTER	28.7 YR TOTAL
TAX TREATMENT OF INVESTMENTS, M$													
1) EXP, RISK & CAP INT	330.0	.0	.0	.0	65.0	.0	.0	.0	.0	.0	395.0	.0	395.0
2) DEPLETABLE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3) DEPRECIABLE	240.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	240.0	-24.0	216.0
TAX CALCULATIONS, M$													
4) GROSS REV. TO INTR.	280.3	235.9	96.1	142.8	369.7	351.5	208.1	145.8	114.6	94.5	2039.3	747.4	2786.8
5) - SEVERANCE TAX	20.2	17.1	7.0	10.4	26.9	25.7	15.2	10.7	8.4	6.9	148.6	54.8	203.4
6) - WPT TAX NET	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7) - OPR. COSTS & ATX	29.8	28.1	25.5	27.0	22.8	23.9	22.2	21.3	20.9	20.6	242.1	369.4	611.5
8) + NPI OWNED - PAID	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9) - OVERHEAD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10) - EXPENSED INV.	330.0	.0	.0	.0	65.0	.0	.0	.0	.0	.0	395.0	.0	395.0
11) - DEPRECIATION	34.3	58.8	42.0	30.0	21.4	21.4	21.4	10.7	.0	.0	240.0	.0	240.0
12) = NET	-134.0	131.9	21.6	75.4	233.6	280.4	149.3	103.1	85.3	67.0	1013.7	323.2	1336.9
13) - DEPLETION	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
14) - INTEREST PD & CAP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
15) = TAXABLE	-134.0	131.9	21.6	75.4	233.6	280.4	149.3	103.1	85.3	67.0	1013.7	323.2	1336.9
16) * TAX RATE, %	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
17) - TAX CREDIT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
18) - WPT REFUND	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
19) = F.I.T.	-46.9	46.2	7.6	26.4	81.8	98.1	52.3	36.1	29.9	23.5	354.8	113.1	467.9
20) REVENUE-SEV-WPT	260.1	218.8	89.1	132.4	342.8	325.8	192.9	135.1	106.2	87.6	1890.7	692.7	2583.4
21) - OPR. COSTS & ATX	29.8	28.1	25.5	27.0	22.8	23.9	22.2	21.3	20.9	20.6	242.1	369.4	611.5
22) + NPI OWNED - PAID	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23) - F.I.T.	-46.9	46.2	7.6	26.4	81.8	98.1	52.3	36.1	29.9	23.5	354.8	113.1	467.9
24) = A.F.I.T.	277.2	144.5	56.0	79.0	238.3	203.7	118.5	77.7	55.5	43.6	1293.9	210.1	1504.0
25) - LOAN REPAYMENT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26) - INTEREST PAID	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
27) = NET INCOME	277.2	144.5	56.0	79.0	238.3	203.7	118.5	77.7	55.5	43.6	1293.9	210.1	1504.0
28) - INVESTMENTS & RSK	570.0	.0	.0	.0	65.0	.0	.0	.0	.0	.0	635.0	-24.0	611.0
29) = A.F.I.T. NET	-292.8	144.5	56.0	79.0	173.3	203.7	118.5	77.7	55.5	43.6	658.9	234.1	893.0
PRESENT WORTH @ 10.00 %													
30) NET INCOME	263.8	124.4	43.6	55.7	152.0	117.6	61.9	36.7	23.7	16.9	896.3	50.9	947.2
31) INVESTMENTS & RISK	570.0	.0	.0	.0	41.1	.0	.0	.0	.0	.0	611.1	-1.4	609.7
32) A.F.I.T. NET	-306.2	124.4	43.6	55.7	110.9	117.6	61.9	36.7	23.7	16.9	285.2	52.3	337.5
33) CUM. A.F.I.T. NET	-306.2	-181.8	-138.1	-82.4	28.5	146.1	207.9	244.6	268.4	285.2	285.2	337.5	337.5

JRU #17 DELAWARE
PREPARED BY: KENT ADAMS

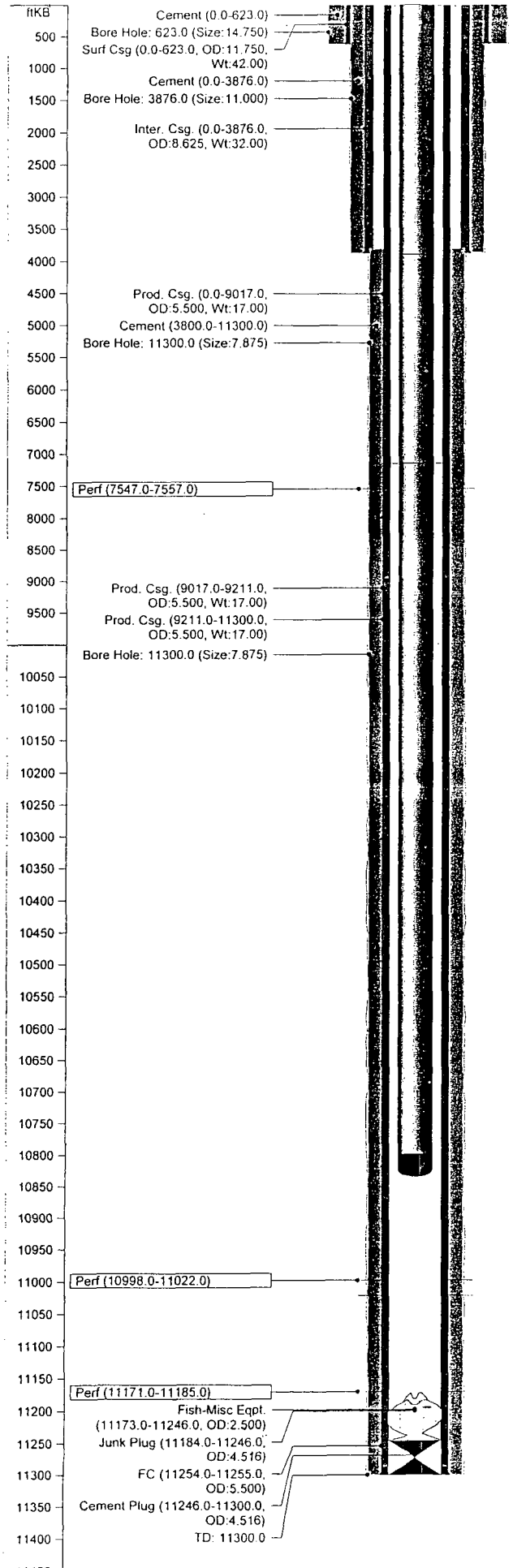
DATE : 02/08/00
TIME : 07:57:46
DBS FILE : JRUPA
SETUP FILE : CD
SEQ NUMBER : 38

E C O N O M I C I N D I C A T O R S

AS OF DATE: 1/96

PRESENT WORTH PROFILE AND
RATE-OF-RETURN VS. BONUS TABLE

	B.F.I.T. WORTH M$------	A.F.I.T. WORTH M$------	A.F.I.T. BONUS M$------
0.	1360.910	892.991	1373.833
2.	1134.909	736.306	1052.762
5.	870.580	553.374	734.057
6.	797.539	502.794	654.469
8.	668.936	413.600	521.632
10.	559.532	337.494	415.025
20.	195.325	81.072	92.466
30.	-3.487	-62.750	-68.992
40.	-123.691	-152.402	-164.048
50.	-201.826	-212.623	-225.803
60.	-255.693	-255.582	-268.934
70.	-294.748	-287.810	-300.837
80.	-324.324	-313.028	-325.558
90.	-347.566	-333.456	-345.445
100.	-366.406	-350.475	-361.928
RATE OF RETURN, PCT.	29.8	25.6	
UNDISCOUNTED PAYOUT, YRS.	3.81	4.08	
DISCOUNTED PAYOUT, YRS.	4.39	4.74	
UNDISCOUNTED NET/INVEST.	3.23	2.46	
DISCOUNTED NET/INVEST.	1.92	1.55	



Stimulations & Treatments (con't)

Date	Type	Interval	Fluid	Sand	Comments
10/19/95	Sand Frac	11171.0 - 11185.0			
12/6/95	Sand Frac-Re-frac	10998.0 - 11022.0			
2/6/96	Sand Frac	7547.0 - 7557.0			

Fish - Primary Fish

Date	Item	Int (ftKB)	OD (in)	Comment
10/23/95	Fish-Misc Eqpt.	11173.0 - 11246.0	2 1/2	See rpt for 10/16/95-11/19/95

WELL HISTORY

WELL NAME: James Ranch Unit No. 17

FIELD NAME: Los Medanos (Bone Spring)

LOCATION: 2080' FNL & 1980' FWL, Sec 6, T23S, R31E, Unit F, Eddy County, NM

ELEV: 3310.6' GL; 3327.3' KB

SPUD DATE: 12/14/93

COMP DATE: 1/21/94 (RR 1/9/94)

ORIG TD: 11,300'

ORIG PBTD: 11,254'

CURRENT PBTD: 11,254'

CASING: 11-3/4" 42# H-40 ST&C CSA 623' w/425 sx, cmt circ, 14-3/4" hole 0-623'.
8-5/8" 32# J-55 & K-55 ST&C CSA 3876' w/1195 sx, cmt circ, 11" hole 623-3876'.
5-1/2" 17# P-110/S-95 & P-110/CF-95 LT&C CSA 11,300' w/1706 sx, TOC 3,800' (TS), 7-7/8" hole 3876-11,300'.

TBG: 2-7/8", 6.5#, N-80

DST:

CORES & LOGS: 1/7/94 Ran Caliper/Gamma/Spectral, Density/Dual Spaced Neutron/Dual Lateralog/Micro-SFL.
1/22/94 Ran CBL/GR/CCL 10,900-11,234' & 7,000-8,000'.

1/8/94 Took 20 sidewall cores @ 11195, 11192, 11187, 11183, 11177, 11174, 11021, 11019, 11013, 11007, 11004, 11001, 7670, 7626, 7612, 7592, 7588, 7568, 7557, 7552'.

INITIAL COMPLETION:

1/22/94-2/9/194
Run CBL/GR/CCL 10,900-11,234' & 7,000-8,000'.

1/22/94 **Perf 10,998-11,022'**, 4 SPF. **Frac** w/91,500 gals gel & 116,000# 20/40 Interprop Plus. Ran packer in attempt to stabilize prod.
IP: 4/11/94 24 hr F 28 BO, 6 BLW, & 63 MCF on 1" chk. FTP 40, FCP 60, LP 35.

WORKOVERS:

11/26/94-12/20/94 **STIMULATE WELL**
Pumped E-Z Clean treatment w/5400 gals E-Z clean w/CO_2 w/70 quality foam. Flush w/2800 gals 50 quality foam.
AWO: 12/20/94 24 hr F 50 BO, 44 BW, & 43 MCF on 1" chk. LP 43#.

JAMES RANCH UNIT NO. 17
WELL HISTORY

10/13/95-3/20/96 RECOMPLETE AND FRACTURE STIMULATE

Tag fill @ 11,084'. Wash sd 11,084-244'. **Spot** 200 gals 15% HCL weighted acid + additives 11,212-11,012'.

10/16/95 **Perf 11,171-185'**, 2 SPF. Set Guiberson perm pkr @ 11,080'. **Frac** 11,171-185' w/24,000 gals Spectra Frac G-4000 40# XL gel, 132,280# 20/40 Ottawa sd, & 20,000# 20/40 Econoprop. Flow test well. Test: 24 hrs F 225 BO, 50 BW, 504 MCF on 16/64" chk. Set tbg plug w/no-go in "R" nipple @ 11,108' & attempt to shear off plug, no jar action. Slickline equipment stuck w/sd in the permanent pkr. Fish & mill pkr for 4 weeks at a cost of $227,000. Did not recover fish. Fish consists of slickline sinker bars, 5' millout ext., cross over, 10' 2-3/8" tbg sub, type "F" profile nipple, 10' 2-3/8" tbg sub, type "R" profile nipple. While running GR/CCL tagged top of fish (slickline sinker bars) @ 11,173'. Using washpipe tagged mill out ext. @ 11, 184'. Swab well & it began to flow. Flow test well. Test: 124 BO, 19 BW, 242 MCF on 12/64" chk. Tag fill @ 11,180'. Set 5-1/2" Fas-Drill BP @ 11,130' w/10' sd on top. **Spot** 200 gals 15% HCL acid + additives 10,998-11,022'. BD perfs @ 2250 psi @ 1.7 BPM. **Acidize** w/2000 gals 15% HCL + additives, dropping 120 1.3 SG RCN ball sealers evenly spaced. No ball action. **Frac** 10,998-11,022' w/34,100 gals 40# Spectrofrac, 2900 gals 40# Liner gel, & 100,000# sd. Flow well. Tag sd fill @ 11,018'. Wash sd 11,018-120'. Swab well. Flow test well. Test: 24 hrs F 85 BO, 145 BW, 187 MCF on 16/64" chk. FTP 100#. Set BP @ 10,500' w/20' industrial sd on top.

2/3/96 **Perf 7547-57'**, 2 SPF. **Spot** 200 gals 15% HCL acid + additives across perfs 7547-57'. BD perfs @ 1849 psi tbg & 1689 psi csg. **Acidize** w/1200 gals 7-1/2" HCL acid + additives & 30 1.3 SG RCN ball sealers. **Frac** w/18,000 gals Dowell 30# XL gel & 76,000# 20/40 Brady sd. Swab well. Well kicked off & began to flow. Place well on prod. Well died. Set 640 pmpg unit. Place back on prod. Tag top of fill @ 10,335'. Attempt to wash sd, CP incr to 650 psi & lost 90 to 95% returns. (Lost an additional ±110 bbls to perfs - 210 bbls total). Flush tbg w/±60 bbls 2% KCL to break circ w/45 bbls gone w/80-90% returns. Displace wellbore conventional w/±220 bbls 10.8 ppg mud mixture, with ±40% returns, losing ±50 bbls mud to perfs. Re-break circ (conventional) w/25 bbls same w/70-80% returns, @ 2 BPM with 650-800 psi. Re-tag top of sd @ 10,335'. Wash sd to BP @ 10,500' w/±70% @ returns @ 2 BPM with 400 to 450 psi @ csg. Just prior to rec sd at surf, Delaware perfs broke down. Lost full returns. Lost an additional 140 bbls mud to perfs (190 bbls total) w/no sd rec. Attempt to flush tbg, found 8 stands plugged w/sd. Tag bridge @ 9715', wash thru bridge conventional (±4'). Re-tag top of fill @ 10,490', wash same & drill BP, fell free after ±35 mins with 450 psi csg and 90% loss of returns. Tag top of fill @ 11,038' (92' of fill on 2nd BP). Lost additional 95 bbls mud mixture to Delaware perfs. (Note: Began mixing small stream of 2% KCL to mud mixture during cleanout, attempting to lower weight to 10.5 ppg). Tag fill @ 10,970' (28' above top BS perf). Attempt to flush tbg, discover tbg plugged. Attempt to unplug, no success. Rec sd & BP material @ X-over from tbg to collars. Pump 46 bbls Magma Fiber pill, spot across perfs (300' above) w/5 bbls BW @ 1200 psi @ 2 BPM. Close csg valve & disp 5 bbls Magma Fiber into perfs. ISIP 700 psi & 535 psi after 30 mins. Rev Magma Fiber pill ±5 additional bbls back onto transport @ 2 BPM w/±250 psi w/90-100% returns. Re-tag top of fill @ 10,933'. Wash ±20' of fill, returns decr losing 90-95% after ±45 bbls w/returns changing to thick mud type fluid @ surf. Re-break circ w/100% + returns, continue w/same for ±135 bbls (mud slurry @ ±6500' on backside) to have returns decr, losing 90-95%. Load tbg w/5 bbls 2% KCL & attempt to break circ to pit, to

10/13/95-3/20/96 **CONTINUED**

1/24/00
RAS

no avail. Break circ w/35 bbls 2% KCL w/900 to 950 psi @ ±2 BPM w/50% returns, pump ±85 bbls w/circ press decr to ±350 psi w/95% returns. Re-break circ conventional @ 2 BPM w/700-750 psi. Clean up returns to have circ press decr to ±350 psi w/95% returns to rec 45-60 bbls thick mud slurry to pit, cont to disp wellbore w/2% KCL to have circ press once again decr to ±350 psi. Re-tag top of fill @ ±10,933'. Wash fill to 11,030' (100' above BP) @ 2.5 BPM w/500 psi @ tbg & ±30-40 psi @ csg w/95% returns. Clean up same for ±2 hrs to rec sd, BP material, plastic & rubber. Unloading oil & gas. Attempt to circ gas bubble w/±50 bbls 2% KCL, no success. Kill tbg w/35 bbls 10# BW. Re-tag top of fill @ 11,030'. Wash sd (conventional) to BP @ 11,130', disp wellbore w/ ±240 bbls 10 ppg BW. Attempt to break circ reverse w/no success, (650 to 700 psi @ 1.5 BPM for ±20 bbls). Switch to conventional & re-break circ. Drill on BP for ±30 mins. (Made ±8" to 10"). Broke circ with ±30% returns w/±700 psi. Fell free after ±10 mins. Tag top of fish @ 11,180' pump ±40 bbls. Returns began to unload w/good show of gas w/BP material & sd @ 120 psi @ 2.5 BPM w/50% returns. Continue to clean up same for an additional ±45 mins w/gas show decr to weak blow. Re-tag top of fish as before @ 11,180'. Install prod equip & place well on production. **NOTE: No attempt was made to rec Magma Fiber or lost mud from Delaware perfs.**
AWO: 3/20/96 24 hrs P 170 BO, 74 BW, 230 MCF. 10-31 BOL.
Turn over well operations to Enron @ 10:00 a.m. MST 3/20/96.

8/1-4/96 **INSTALL PUMPING UNIT**
CO fill 11,170-11,178'. Install pumping equipment.
AWO: 9/10/96 24 hrs P 81 BO, 53 BW, 215 MCF.

5/21/98 Fish pump. Plunger stuck open w/sand.

8/17/98 Pump change. Trash in pump.

5/25/98 Clean out frac sand. Drill & bail frac sand from 11,140' to top of fish @ 11,173' +/-.

Submit to Appropriate
State Lease — 4 copies
Fee Lease — 3 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised 1-1-89

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator	Lease	Well No.
ENRON OIL AND GAS CO.	JAMES RANCH UNIT	17

Unit Letter	Section	Township	Range	County
F	6	23 SOUTH	31 EAST NMPM	EDDY

Actual Footage Location of Well:
2080 feet from the NORTH line and 1980 feet from the WEST line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
3310.6'	Delaware/Bone Spring	Los Medanos	40 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.

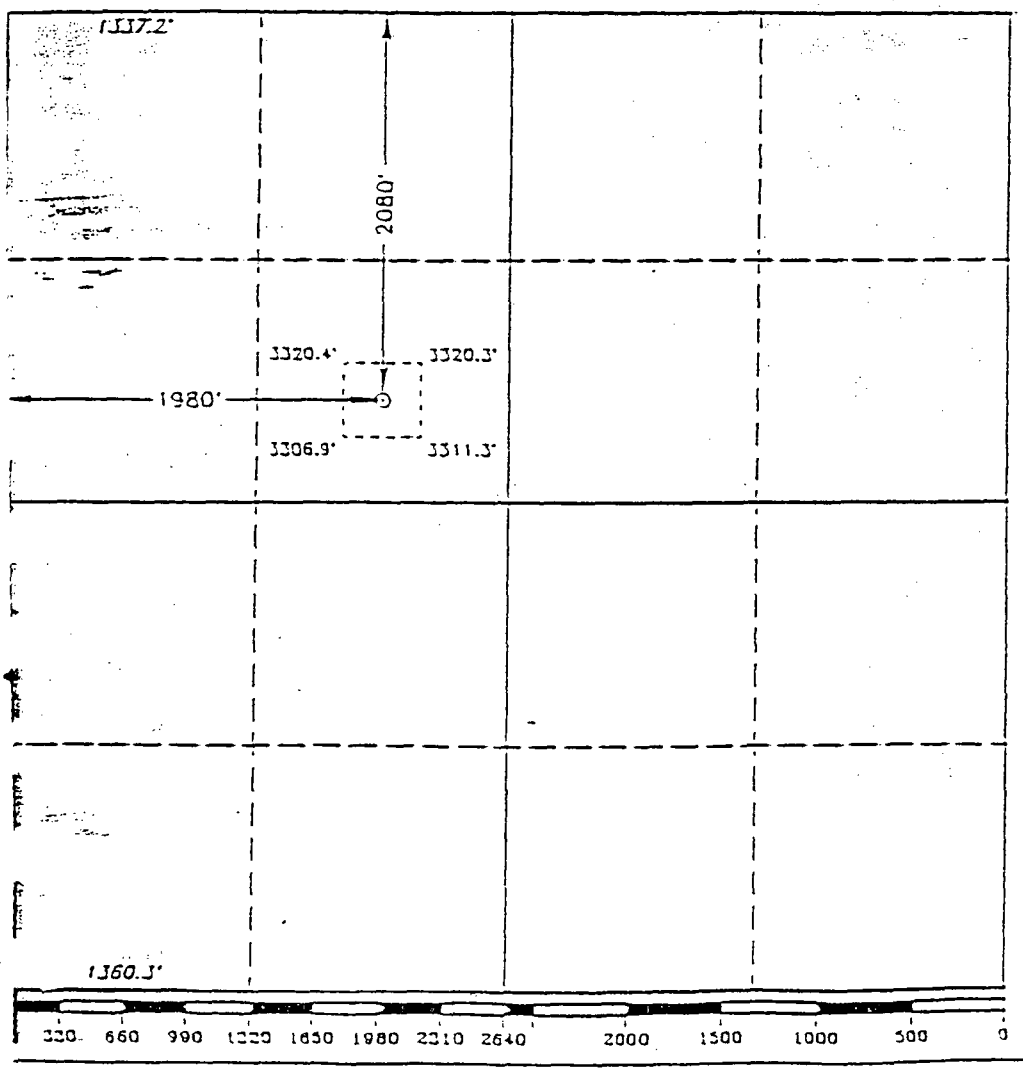
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?

☒ Yes ☐ No If answer is "yes" type of consolidation _____

If answer is "no" list of owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well unit all interests have been consolidated (by communitization, unitization, forced-pooling, otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



OPERATOR CERTIFICATION

I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.

Signature: Betty Gildon

Printed Name: Betty Gildon

Position: Regulatory Analyst

Company: Enron Oil & Gas Company

Date: 7/22/93

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed: MAY 27, 1993

Signature & Seal of Professional Surveyor: NEW MEXICO 7077 REGISTERED PROFESSIONAL SURVEYOR

Certificate No. JOHN W. WEST 676
RONALD J. EIDSON 3239
GARY L. JONES 7977

93-11-0985

Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

DEC 19 1995
RECEIVED

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

5. Lease Designation and Serial No.
NM 02887-D

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

1. Type of Well
☐ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.
James Ranch Unit #17

2. Name of Operator
Enron Oil & Gas Company

9. API Well No.
30 015 27784

3. Address and Telephone No.
P. O. Box 2267, Midland, Texas 79702 (915) 686-3714

10. Field and Pool, or Exploratory Area
Los Medanos Bone Spring

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
2080' FNL & 1980' FWL
Section 6, T23S, R31E

11. County or Parish, State
Lea County, NM

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
☐ Notice of Intent	☐ Abandonment	☐ Change of Plans
☒ Subsequent Report	☐ Recompletion	☐ New Construction
☐ Final Abandonment Notice	☐ Plugging Back	☐ Non-Routine Fracturing
	☐ Casing Repair	☐ Water Shut-Off
	☐ Altering Casing Acidize &	☐ Conversion to Injection
	☒ Other Frac Bone Spring	☐ Dispose Water
		(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

12-4-95 - Set plug @ 11,130' + 10' sand on top

12-5-95 - Acidize perfs 10,998-11,022 with 2000 gals 15% HCl acid

12-6-95 - Frac 34,100 gals 40# Spectrofrac & 2900 gals 40# liner gel; pumped 100,000# sand in formation.

12-7-95 - Tagged sand fill at 11,108'

12-8-95 - Washed sand from 11,018' to 11,120'.

12-9-95 - Placed well on production to battery @ 3:30 p.m. MST.

12-11-95 - 24 hrs - 38 BOPD, 132 BWPD, 84 MCFD; 240 psi FTP, 1160 psi SICP on 16/64".

14. I hereby certify that the foregoing is true and correct

Signed Betty Gildon Title Regulatory Analyst Date 12/18/95

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

Form 3160-4
(July 1992)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DU...

SEPCO - TB PRODUCTION

FORM APPROVED
OMB NO. 1004-0137
Expires: February 28, 1995

FEB 9 1994

RECEIVED

File

WELL COMPLETION OR RECOMPLETION REPORT ~~AND LOG~~

5. LEASE DESIGNATION AND SERIAL NO.: NM 02887-D

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ DRY ☐ Other

b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other

7. UNIT AGREEMENT NAME:

2. NAME OF OPERATOR: Enron Oil & Gas Company

8. FARM OR LEASE NAME, WELL NO.: James Ranch Unit #17

3. ADDRESS AND TELEPHONE NO.: P. O. Box 2267, Midland, Texas 79702

9. API WELL NO.: 30 015 27784

10. FIELD AND POOL, OR WILDCAT: Los Medanos Bone Spring

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface: 2080' FNL & 1980' FWL

At top prod. interval reported below: 2080' FNL & 1980' FWL

At total depth: 2080' FNL & 1980' FWL

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: Sec 6, T23S, R31E

14. PERMIT NO.: -

DATE ISSUED: 10-13-93

12. COUNTY OR PARISH: Eddy

13. STATE: NM

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (Ready to prod.)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD
12-14-93	1-2-94	1-21-94	3310.6' GR	3310.6'

20. TOTAL DEPTH, MD & TVD	21. PLUG, BACK T.D., MD & TVD	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
11,300'	11,254'		→	X	

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*: 10,998'-11,022' (Bone Spring)

25. WAS DIRECTIONAL SURVEY MADE: No

26. TYPE ELECTRIC AND OTHER LOGS RUN: SDL-DSN, DLL-MSFL

27. WAS WELL CORED: Yes

28. CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
11-3/4"	42#	623	14-3/4"	425 Cl C	Circulated
8-5/8"	32#	3876	11"	970 PSL & 225 Cl C	Circulated
5-1/2"	17#	11300	7-7/8"	1576 Super H & 130 Cl H	Temp Survey TOC at 3800'

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
N/A		

31. PERFORATION RECORD (Interval, size and number)

10,998'-11,022' (.39" 96)

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
10998-11022	91,500 gals purgel & 116,000# 20/40 Interprop plus

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)
1-23-94	Flowing	Producing

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
1-24-94	24 hours	18/64"	→	35	0	120	0

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
-	540	→			-	39.0

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.): N/A

TEST WITNESSED BY:

35. LIST OF ATTACHMENTS: Logs

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED [signature] Betty Gildon TITLE Regulatory Analyst DATE 1-25-94

*(See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
Delaware	0	3876	Redbed, Salt, Anhy
Bone Sp.	3876	6273	Shale, Sand
B.S. & Wolfcamp	6273	10067	Sandstone, Shale, Limestone
	10067	11300	Limestone, Shale

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Delaware	3934	
Bone Spring	7769	
3rd B.S. Sand	10594	
Wolfcamp	11211	

WORKSHEET FOR COMMERCIAL DETERMINATION AND PARTICIPATING AREA IN FEDERAL UNITS

WELL DATA

WELL JAMES RANCH UNIT NO. 17 FORMATION BONE SPRING

LOCATION F UNIT, 2080 FEET FROM N LINE & 1980 FEET FROM W LINE

SECTION 6 TOWNSHIP 23S, RANGE 31E, COUNTY EDDY, NEW MEXICO

SPUD DATE 12/14/93 COMPLETION DATE 1/21/94 INITIAL PRODUCTION 1/24/94

PERFORATIONS (1/94) 10,998-11,022'

STIMULATION:

ACID (12/95) 2000 gals 15% HCL + 120 BS

FRACTURE (1/94) 91,500 GALS GEL + 116,000# 20/40 INTERPROP PLUS.

(12/95) 34,100 GALS 40# SPECTROFRAC, & 100,000# SAND.

POTENTIAL 1/24/94 35 BOPD, 0 MCFPD, 120 BWPD

(Attach Copy of C-105. Attach Copy of Wellbore Sketch of Completed Well.)

VOLUMETRIC CALCULATION

	SANDS PERFORATED		SANDS NOT PERFORATED BUT POTENTIALLY PRODUCTIVE	
Area (A) proration unit size, acres	40			
Porosity (por), %	12.0%			
Water saturation (Sw), %	50%			
Net Thickness (h), ft.	15			
Temperature (T), Fahrenheit	170			
Bottom Hole pressure (P), psia	5,946			
Recovery factor (RF), %	17%			
Recoverable oil, BBLS *(See eq. below)	33,914			

*Sometimes unable to match performance due to volumetric uncertainty.

Formula = (7758) (A) (h) (por) (1-Sw) (1/Boi) (RF) Boi = 1.40

PERFORMANCE DATA

(If sufficient history exists, attach plot of oil production rate v time.)

CUMULATIVE PRODUCTION TO 11/30/99 ; 42,413 BBLS

INITIAL RATE (qi) 505

ECONOMIC LIMIT (ql) 60

DECLINE RATE, dy Hyperbolic d = 4.5% n =

REMAINING OIL (Q) = 114,187

ULTIMATE RECOVERABLE OIL 156,600

(Attach plat showing proration unit and participating area.)

ECONOMIC

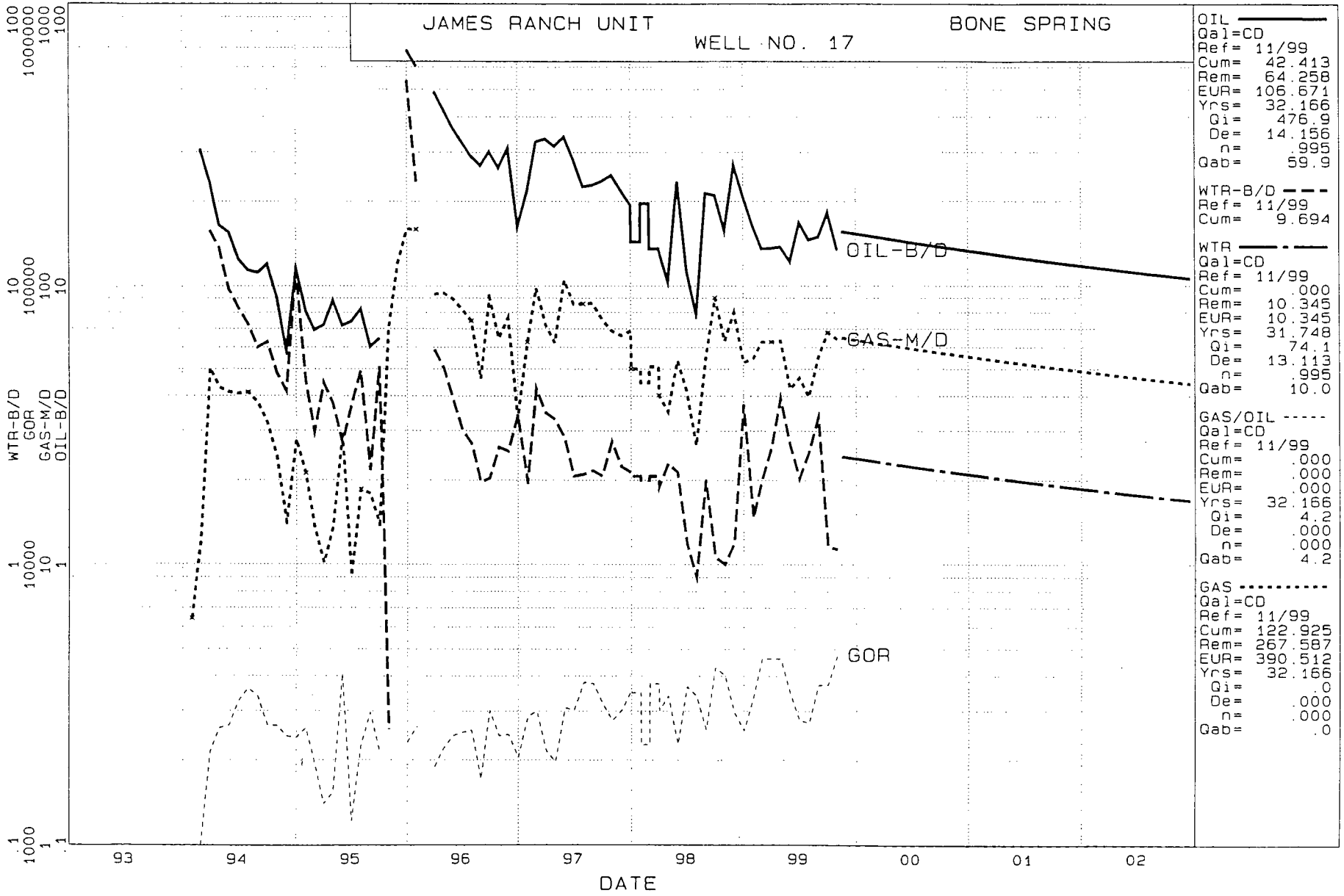
WELL COST $ 825,000 (to the depth of formation completed)

RECOMPLETION COST $ 100,000

TOTAL COST $ 925,000

YEAR	GROSS OIL	REVENUE	OPERATING COST	10% NET BFIT DISCOUNTED CASH FLOW
ZERO	0	0	0	-825,000
1	4,800	84,700	20,500	61,100
2	4,100	87,500	20,800	57,400
3	11,700	278,000	34,900	189,400
4	9,600	228,300	31,400	138,900
5	5,500	93,500	21,300	46,000
6	6,100	138,500	24,700	65,700
7	5,300	157,700	26,100	68,700
8	4,600	119,700	23,300	45,600
9	4,100	101,300	22,000	34,000
10	3,700	88,100	20,900	26,000
REMAINDER	45,800	1,097,300	481,500	118,000

WELL IS COMMERCIAL


JAMES RANCH UNIT
WELL NO. 17
BONE SPRING
OIL-B/D
GAS-M/D
GOR
WTR-B/D
GOR
GAS-M/D
OIL-B/D
100
1000000
10000
100
10
100000
100
10
1
10000
10
1
.1
1000
1
.1
93
94
95
96
97
98
99
00
01
02
DATE
OIL
Qal=CD
Ref= 11/99
Cum= 42.413
Rem= 64.258
EUR= 106.671
Yrs= 32.166
Qi= 476.9
De= 14.156
n= .995
Qab= 59.9
WTR-B/D
Ref= 11/99
Cum= 9.694
WTR
Qal=CD
Ref= 11/99
Cum= .000
Rem= 10.345
EUR= 10.345
Yrs= 31.748
Qi= 74.1
De= 13.113
n= .995
Qab= 10.0
GAS/OIL
Qal=CD
Ref= 11/99
Cum= .000
Rem= .000
EUR= .000
Yrs= 32.166
Qi= 4.2
De= .000
n= .000
Qab= 4.2
GAS
Qal=CD
Ref= 11/99
Cum= 122.925
Rem= 267.587
EUR= 390.512
Yrs= 32.166
Qi= .0
De= .000
n= .000
Qab= .0

JRU #17 BONE SPRING

DATE : 02/09/00
TIME : 10:30:04
DBS FILE : JRUPA
SETUP FILE : CD
SEQ NUMBER : 37

		INPUT DATA							CALCULATED DATA				
ITEM		SCHEDULING RATES			SCHEDULE UNTIL		PROCEDURE		ULTIMATE	LAST	EFF. DECL	INIT. RATE	FINAL RATE
405	START	11/99											
410	OIL	476.91	X	B/M	12/2012	AD	H/0.995	14.16	83.534	11/12	14.16	477.	159.
415	"	158.80	X	B/M	23.14	IMU	EXP	5.00	106.671	12/31	5.00	159.	60.
420	GAS/OIL	4.16	4.16	M/B	01/2097	AD	LIN	TIME		12/96			
425	WTR	74.13	X	B/M	05/2012	AD	H/0.995	13.11	6.414	4/12	13.11	74.	27.
430	"	26.84	X	B/M	3.93	IMU	EXP	5.00	10.345	7/31	5.00	27.	10.
435	START	01/94											
516	PRI/OIL	16.8800	X	$/B	1/95	MM/YY	PC	.00		12/31		16.880	16.880
517	"	18.39	X	$/B	1/96	AD	PC	.00		12/31		18.390	18.390
518	"	22.26	X	$/B	1/97	AD	PC	.00		12/31		22.260	22.260
519	"	20.74	X	$/B	1/98	AD	PC	.00		12/97		20.740	20.740
520	"	14.43	X	$/B	1/99	AD	PC	.00		12/98		14.430	14.430
521	"	19.25	X	$/B	1/2000	AD	PC	.00		12/99		19.250	19.250
522	"	24.94	X	$/B	1/2001	AD	PC	.00		12/00		24.940	24.940
523	"	20.67	X	$/B	1/2002	AD	PC	.00		12/01		20.670	20.670
524	"	19.20	X	$/B	1/2003	AD	PC	.00		12/02		19.200	19.200
525	"	18.18	X	$/B	1/2004	AD	PC	.00		12/03		18.180	18.180
526	"	18.13	X	$/B	TO	LIFE	PC	.00		12/31		18.130	18.130
531	PRI/GAS	1.8900	X	$/M	1/95	MM/YY	PC	.00		12/31		1.890	1.890
532	"	1.94	X	$/M	1/96	AD	PC	.00		12/95		1.940	1.940
533	"	2.61	X	$/M	1/97	AD	PC	.00		12/96		2.610	2.610
534	"	2.59	X	$/M	1/98	AD	PC	.00		12/97		2.590	2.590
535	"	2.11	X	$/M	1/99	AD	PC	.00		12/98		2.110	2.110
536	"	2.27	X	$/M	1/2000	AD	PC	.00		12/99		2.270	2.270
537	"	2.60	X	$/M	1/2001	AD	PC	.00		12/00		2.600	2.600
538	"	2.58	X	$/M	1/2002	AD	PC	.00		12/01		2.580	2.580
539	"	2.57	X	$/M	TO	LIFE	PC	.00		12/31		2.570	2.570
544	OPC/T	1190.00	X	$/M	TO	LIFE	SCH	OPC		12/31		1190.000	1190.000
549	STX/OIL	7.08	X	%	TO	LIFE	PC	.00		12/31		.071	.071
554	STX/GAS	7.93	X	%	TO	LIFE	PC	.00		12/31		.079	.079
559	ATX	.17	X	%	TO	LIFE	PC	.00		12/31		.002	.002
564	PRI/OIL	-.9100	-.9100	$/B	TO	LIFE	PC	.00		12/31		-.910	18.130
569	PRI/GAS	-.1300	-.1300	$/M	TO	LIFE	PC	.00		12/31		-.130	2.570
700	LSE/WI	100.0000	D	%	TO	LIFE	FLAT	.00		12/31		1.000	1.000
701	OWN/WI	100.0000	D	%	TO	LIFE	FLAT	.00		12/31		1.000	1.000
720	LSE/RIC	12.5000	D	%	TO	LIFE	FLAT	.00		12/31		.125	.125
721	OWN/RI	.0000	D	%	TO	LIFE	FLAT	.00		12/31			
740	LSE/RIG	12.5000	D	%	TO	LIFE	FLAT	.00		12/31		.125	.125
760	LSE/ORR	.0000	D	%	TO	LIFE	FLAT	.00		12/31			

761 OWN/ORR .0000 D % TO LIFE FLAT .00 12/31

OVERLAYS	SCHEDULING RATES	SCHEDULE UNTIL	PROCEDURE	ULTIMATE	LAST	EFF. DECL	INIT. RATE	FINAL RATE
905 LOAD	P.OIL OIL #			42.816	2/00			
910 LOAD	P.GAS GAS #			124.850	2/00			
915 LOAD	P.WATER WTR #			9.694	2/00			

INVESTMENT	TANGIBLES	& INTANGIBLES	TIME		PROCEDURE	TOTAL T&I	MONTH	RISK INV.	TOT. T&I&R	ESC. T&I&R
800 DRILL	330.00	495.00 M$G	01/94	AD		825.000	1/94	.	825.0	825.0
801 WORKOVER	.00	100.00 M$G	01/96	AD		100.000	1/96	.	100.0	100.0
802 SALVAGE	-33.00	.00 M$G	TO	LIFE		-33.000	12/31	.	-33.0	-33.0

RESERVE PARAMETERS		ITEM		ITEM			
201 LOSS	NO						
205 CUMO, MB	42.41	CUMG, MMF	122.93	CUML, MB			
210 LOSS	NO						

PROJECT ASSUMPTIONS

BASE DATE : 1/94 TIME FRAMES : 1*12 38*12 1*600
P.W. DATE : 1/94 PW %-AGE : 10.0 DISC. FREQUENCY : 365.
REPORT DATE : 1/94 PROD QUAL : CD OWNER QUAL : CD OTHER QUAL : CD

JRU #17 BONE SPRING

DATE : 02/09/00
TIME : 10:30:04
DBS FILE : JRUPA
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SEQ NUMBER : 37

R E S E R V E S A N D E C O N O M I C S
EFFECTIVE DATE: 1/94

PERIOD ENDING	12/94	12/95	12/96	12/97	12/98	12/99	12/00	12/01	12/02	12/03	S TOT	AFTER	37.9 YR TOTAL
OWNERSHIP													
1) WORKING INTEREST, %	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000
2) REVENUE INTEREST, %	87.500	87.500	87.500	87.500	87.500	87.500	87.500	87.500	87.500	87.500	87.500	87.500	87.500
INVESTMENTS, M$													
3) BORROWED CAPITAL	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4) EQUITY INVESTMENTS	825.0	.0	100.0	.0	.0	.0	.0	.0	.0	.0	925.0	-33.0	892.0
5) RISK	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7) TOTAL	825.0	.0	100.0	.0	.0	.0	.0	.0	.0	.0	925.0	-33.0	892.0
OIL PHASE													
8) GROSS OIL, MB	4.8	4.1	11.7	9.6	5.5	6.1	5.3	4.6	4.1	3.7	59.4	45.8	105.2
9) NET OIL, MB	4.2	3.6	10.2	8.4	4.8	5.3	4.6	4.0	3.6	3.2	52.0	40.1	92.1
10) OIL REVENUE, M$	67.3	63.4	218.0	167.0	65.0	97.8	110.4	79.0	65.1	55.5	988.6	690.1	1678.6
11) OIL PRICE, $/B	15.97	17.48	21.35	19.83	13.52	18.34	24.03	19.76	18.29	17.27	19.02	17.22	18.24
GAS PHASE													
12) GROSS GAS, MMF	11.3	15.2	27.7	28.5	16.4	21.7	21.9	19.0	16.9	15.3	193.9	190.7	384.7
13) NET GAS, MMF	9.9	13.3	24.2	24.9	14.4	19.0	19.1	16.6	14.8	13.4	169.7	166.9	336.6
14) GAS REVENUE, M$	17.4	24.1	60.0	61.3	28.5	40.7	47.3	40.8	36.2	32.6	388.8	407.2	796.0
15) GAS PRICE, $/MCF	1.760	1.810	2.480	2.460	1.980	2.140	2.470	2.450	2.440	2.440	2.291	2.440	2.365
WATER PHASE													
16) GROSS WATER, MB	2.7	2.7	1.7	.9	.7	.8	.7	.7	.6	.6	12.3	3.5	15.8
17) NET WATER, MB	2.7	2.7	1.7	.9	.7	.8	.7	.7	.6	.6	12.3	3.5	15.8
18) WATER PRICE, $/B	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
ECONOMICS, M$													
19) GROSS REV. TO INTR.	84.7	87.5	278.0	228.3	93.5	138.5	157.7	119.7	101.3	88.1	1377.4	1097.3	2474.7
20) - SEV. TAX	6.1	6.4	20.2	16.7	6.9	10.2	11.6	8.8	7.5	6.5	100.8	81.1	182.0
22) - AD VALOREM TAX	.1	.1	.4	.4	.1	.2	.2	.2	.2	.1	2.2	1.7	3.9
23) - OPERATING COSTS	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	142.8	398.7	541.5
24) - SWD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
25) - CAPITAL REPAYMENT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26) - INTEREST PAID	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
27) + NPI OWNED - PAID	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
28) = NET INCOME	64.2	66.7	243.1	197.0	72.2	113.9	131.6	96.5	79.4	67.2	1131.6	615.7	1747.3
29) - INVESTMENTS & RSK	825.0	.0	100.0	.0	.0	.0	.0	.0	.0	.0	925.0	-33.0	892.0
30) = BFIT NET	-760.8	66.7	143.1	197.0	72.2	113.9	131.6	96.5	79.4	67.2	206.6	648.7	855.3
PRESENT WORTH @ 10.00 %													
31) NET INCOME	61.1	57.4	189.4	138.9	46.0	65.7	68.7	45.6	34.0	26.0	732.8	118.0	850.9
32) INVESTMENTS & RISK	825.0	.0	81.9	.0	.0	.0	.0	.0	.0	.0	906.9	-.8	906.1
33) BFIT NET	-763.9	57.4	107.5	138.9	46.0	65.7	68.7	45.6	34.0	26.0	-174.1	118.8	-55.3
34) CUM BFIT NET	-763.9	-706.5	-599.0	-460.1	-414.1	-348.3	-279.6	-234.0	-200.0	-174.1	-174.1	-55.3	-55.3

JRU #17 BONE SPRING

DATE : 02/09/00
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A F T E R T A X E C O N O M I C S

EFFECTIVE DATE: 1/94

PERIOD ENDING	12/94	12/95	12/96	12/97	12/98	12/99	12/00	12/01	12/02	12/03	S TOT	AFTER	37.9 YR TOTAL
TAX TREATMENT OF INVESTMENTS, M$													
1) EXP, RISK & CAP INT	495.0	.0	100.0	.0	.0	.0	.0	.0	.0	.0	595.0	.0	595.0
2) DEPLETABLE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3) DEPRECIABLE	330.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	330.0	-33.0	297.0
TAX CALCULATIONS, M$													
4) GROSS REV. TO INTR.	84.7	87.5	278.0	228.3	93.5	138.5	157.7	119.7	101.3	88.1	1377.4	1097.3	2474.7
5) - SEVERANCE TAX	6.1	6.4	20.2	16.7	6.9	10.2	11.6	8.8	7.5	6.5	100.8	81.1	182.0
6) - WPT TAX NET	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7) - OPR. COSTS & ATX	14.4	14.4	14.7	14.6	14.4	14.5	14.5	14.5	14.4	14.4	145.0	400.4	545.3
8) + NPI OWNED - PAID	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9) - OVERHEAD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10) - EXPENSED INV.	495.0	.0	100.0	.0	.0	.0	.0	.0	.0	.0	595.0	.0	595.0
11) - DEPRECIATION	47.1	80.8	57.7	41.2	29.5	29.5	29.5	14.7	.0	.0	330.0	.0	330.0
12) = NET	-477.9	-14.2	85.4	155.8	42.7	84.4	102.1	81.7	79.4	67.2	206.6	615.7	822.3
13) - DEPLETION	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
14) - INTEREST PD & CAP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
15) = TAXABLE	-477.9	-14.2	85.4	155.8	42.7	84.4	102.1	81.7	79.4	67.2	206.6	615.7	822.3
16) * TAX RATE, %	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
17) - TAX CREDIT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
18) - WPT REFUND	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
19) = F.I.T.	-167.3	-5.0	29.9	54.5	14.9	29.5	35.7	28.6	27.8	23.5	72.3	215.5	287.8
20) REVENUE-SEV-WPT	78.6	81.1	257.8	211.6	86.6	128.4	146.1	110.9	93.8	81.6	1276.6	1016.1	2292.7
21) - OPR. COSTS & ATX	14.4	14.4	14.7	14.6	14.4	14.5	14.5	14.5	14.4	14.4	145.0	400.4	545.3
22) + NPI OWNED - PAID	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23) - F.I.T.	-167.3	-5.0	29.9	54.5	14.9	29.5	35.7	28.6	27.8	23.5	72.3	215.5	287.8
24) = A.F.I.T.	231.5	71.6	213.2	142.5	57.2	84.3	95.8	67.8	51.6	43.7	1059.3	400.2	1459.5
25) - LOAN REPAYMENT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26) - INTEREST PAID	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
27) = NET INCOME	231.5	71.6	213.2	142.5	57.2	84.3	95.8	67.8	51.6	43.7	1059.3	400.2	1459.5
28) - INVESTMENTS & RSK	825.0	.0	100.0	.0	.0	.0	.0	.0	.0	.0	925.0	-33.0	892.0
29) = A.F.I.T. NET	-593.5	71.6	113.2	142.5	57.2	84.3	95.8	67.8	51.6	43.7	134.3	433.2	567.5
PRESENT WORTH @ 10.00 %													
30) NET INCOME	220.3	61.7	166.1	100.4	36.5	48.7	50.1	32.1	22.1	16.9	754.8	76.7	831.5
31) INVESTMENTS & RISK	825.0	.0	81.9	.0	.0	.0	.0	.0	.0	.0	906.9	-.8	906.1
32) A.F.I.T. NET	-604.7	61.7	84.3	100.4	36.5	48.7	50.1	32.1	22.1	16.9	-152.1	77.5	-74.6
33) CUM. A.F.I.T. NET	-604.7	-543.1	-458.8	-358.4	-321.9	-273.2	-223.1	-191.1	-169.0	-152.1	-152.1	-74.6	-74.6

JRU #17 BONE SPRING

DATE : 02/09/00
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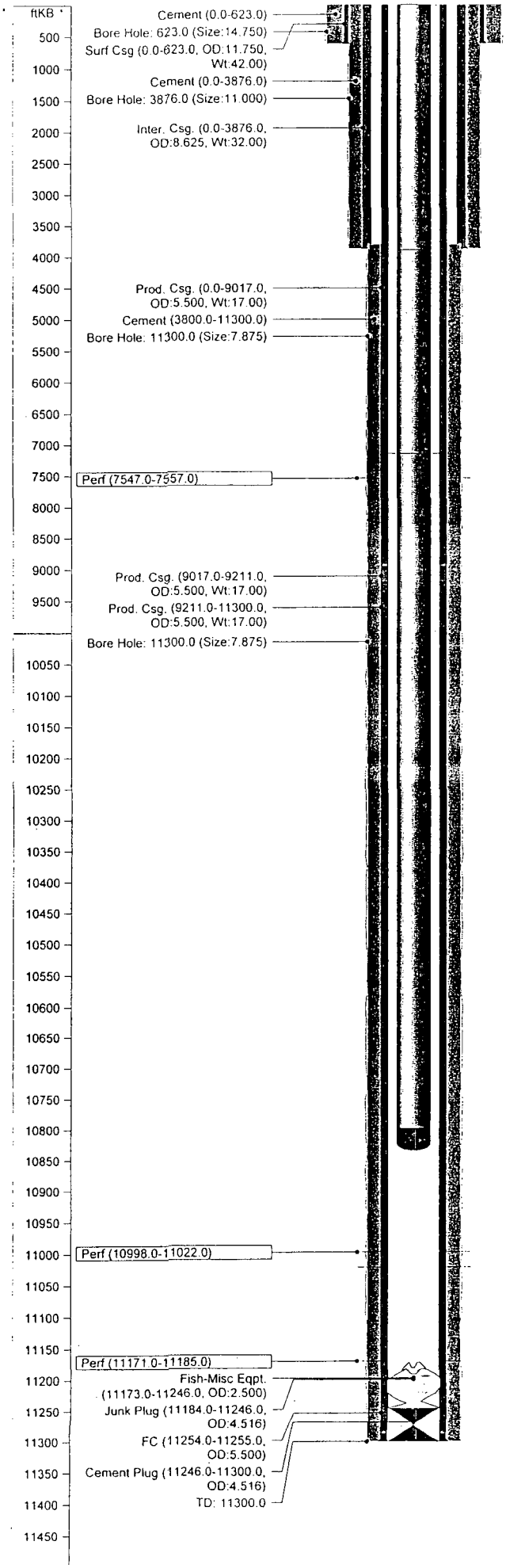
E C O N O M I C I N D I C A T O R S

AS OF DATE: 1/94

PRESENT WORTH PROFILE AND
RATE-OF-RETURN VS. BONUS TABLE

	B.F.I.T. WORTH M$------	A.F.I.T. WORTH M$------	A.F.I.T. BONUS M$------
0.	855.349	567.527	873.118
2.	557.245	358.678	500.313
5.	252.148	144.440	184.606
6.	175.336	90.165	112.938
8.	47.194	-.974	-1.181
10.	-55.262	-74.606	-88.320
20.	-360.534	-301.257	-333.513
30.	-509.486	-419.141	-449.926
40.	-595.262	-491.430	-518.237
50.	-649.418	-540.083	-563.070
60.	-685.727	-574.951	-594.726
70.	-711.151	-601.137	-618.302
80.	-729.565	-621.545	-636.603
90.	-743.276	-637.939	-651.292
100.	-753.729	-651.446	-663.410
RATE OF RETURN, PCT.	8.9	8.0	
UNDISCOUNTED PAYOUT, YRS.	7.38	7.42	
DISCOUNTED PAYOUT, YRS.	37.92	37.92	
UNDISCOUNTED NET/INVEST.	1.96	1.64	
DISCOUNTED NET/INVEST.	.94	.92	



JAMES RANCH UNIT #17			
API No.	3001527784	Status	ACT OIL
TD	11300.0 ftKB	Engineer	KAA
PBTD	11246.0 ftKB		
Operator	BEPCO	Permit	
Well No.	17	Spud	12/14/93
ID Code		RR	1/9/94
Field	LOS MEDANOS	Completion	1/24/94
Author	RAS	Last Act.	
Date Updated	12/10/98	Abandoned	
Comments	Drilled by Enron		

Location

Township	S023	Top Latitude	0
		Top Longitude	0
Range	E031	Top NS Distance	2080.0 ft N
		Top EW Distance	1980.0 ft W
Section	6	Bottom Latitude	0
Unit Ltr.	F	Bottom Longitude	0
State	NEW MEXICO	Btm NS Distance	0.0 ft
County	EDDY	Btm EW Distance	0.0 ft

Elevations

KB	3327.3 ft	Cas Flng	0.0 ft
Grd	3310.6 ft	Tub Head	0.0 ft
KB-Grd	16.7 ft		

Casing String - Surface Casing

Item (in)	Top (ftKB)	Btm (ftKB)	Jnts	ID	Wt	Grd	Thd
11 3/4 in Surf Csg	0.0	623.0	14	11.080	42.00	H-40	STC

Casing String - Intermediate Casing

Item (in)	Top (ftKB)	Btm (ftKB)	Jnts	ID	Wt	Grd	Thd
8 5/8 in Inter. Csg.	0.0	3876.0	90	7.920	32.00	K-55	STC

Casing String - Production Casing

Item (in)	Top (ftKB)	Btm (ftKB)	Jnts	ID	Wt	Grd	Thd
5 1/2 in Prod. Csg.	0.0	9017.0	201	4.890	17.00	110/CF$	LTC
5 1/2 in Prod. Csg.	9017.0	9211.0	5	4.890	17.00	P110	LTC
5 1/2 in Prod. Csg.	9211.0	1300.0	47	4.890	17.00	110/S9	STC
5 1/2 in FC	1254.0	1255.0		0.000	0.00		

Casing Cement

Casing String	Top (ftKB)	Amount (sx)	Comments
Surface Casing	0.0	425	
Intermediate Casing	0.0	1195	
Production Casing	3800.0	1706	TOC by temp survey.

Tubing String - Primary Tubing

Item (in)	Top (ftKB)	Btm (ftKB)	Jnts	ID (in)	Wt	Grd	Thd
2 7/8 in Tbg. w/reg colr	0.0	3894.0	118	2.441	6.50	N-80	8rd
2 7/8 in Tbg. w/TD colr	3894.0	7151.0	104	2.441	6.50	N-80	8rd
5 1/2 in Baker TAC	7151.0	7154.0		2.875	0.00		
2 7/8 in Tbg. w/TD colr	7154.0	10799.0	116	2.441	6.50	N-80	8rd
2 7/8 in .5' SN, 4' PS, 32.6' MA	10799.0	10836.0		2.441	0.00		

Other (plugs, equip., etc.) - Plug Back

Date	Item	Int (ftKB)
11/19/95	Junk Plug	11184.0 - 11246.0
1/9/94	Cement Plug	11246.0 - 11300.0

Perforations

Date	Int	Shots (/ft)	Status
1/22/94	10998.0 - 11022.0	4.0	
10/16/95	11171.0 - 11185.0	2.0	
2/3/96	7547.0 - 7557.0	2.0	

Stimulations & Treatments

Date	Type	Interval	Fluid	Sand	Comments
1/23/94	Sand Frac	10998.0 - 11022.0			
1/26/94	CO2 Foam Job	10998.0 - 11022.0			

WELL HISTORY

WELL NAME:	James Ranch Unit No. 17
FIELD NAME:	Los Medanos (Bone Spring)
LOCATION:	2080' FNL & 1980' FWL, Sec 6, T23S, R31E, Unit F, Eddy County, NM
ELEV:	3310.6' GL; 3327.3' KB
SPUD DATE:	12/14/93
COMP DATE:	1/21/94 (RR 1/9/94)
ORIG TD:	11,300'
ORIG PBTD:	11,254'
CURRENT PBTD:	11,254'
CASING:	11-3/4" 42# H-40 ST&C CSA 623' w/425 sx, cmt circ, 14-3/4" hole 0-623'. 8-5/8" 32# J-55 & K-55 ST&C CSA 3876' w/1195 sx, cmt circ, 11" hole 623-3876'. 5-1/2" 17# P-110/S-95 & P-110/CF-95 LT&C CSA 11,300' w/1706 sx, TOC 3,800' (TS), 7-7/8" hole 3876-11,300'.
TBG:	2-7/8", 6.5#, N-80
DST:	
CORES & LOGS:	1/7/94 Ran Caliper/Gamma/Spectral, Density/Dual Spaced Neutron/Dual Lateralog/Micro-SFL. 1/22/94 Ran CBL/GR/CCL 10,900-11,234' & 7,000-8,000'. 1/8/94 Took 20 sidewall cores @ 11195, 11192, 11187, 11183, 11177, 11174, 11021, 11019, 11013, 11007, 11004, 11001, 7670, 7626, 7612, 7592, 7588, 7568, 7557, 7552'.

INITIAL COMPLETION:

1/22/94-2/9/194

Run CBL/GR/CCL 10,900-11,234' & 7,000-8,000'.

1/22/94 **Perf 10,998-11,022'**, 4 SPF. **Frac** w/91,500 gals gel & 116,000# 20/40 Interprop Plus. Ran packer in attempt to stabilize prod.

IP: 4/11/94 24 hr F 28 BO, 6 BLW, & 63 MCF on 1" chk. FTP 40, FCP 60, LP 35.

WORKOVERS:

11/26/94-12/20/94 **STIMULATE WELL**

Pumped E-Z Clean treatment w/5400 gals E-Z clean w/CO_2 w/70 quality foam. Flush w/2800 gals 50 quality foam.

AWO: 12/20/94 24 hr F 50 BO, 44 BW, & 43 MCF on 1" chk. LP 43#.

JAMES RANCH UNIT NO. 17
WELL HISTORY

10/13/95-3/20/96 RECOMPLETE AND FRACTURE STIMULATE

Tag fill @ 11,084'. Wash sd 11,084-244'. **Spot** 200 gals 15% HCL weighted acid + additives 11,212-11,012'.

10/16/95 **Perf 11,171-185'**, 2 SPF. Set Guiberson perm pkr @ 11,080'. **Frac** 11,171-185' w/24,000 gals Spectra Frac G-4000 40# XL gel, 132,280# 20/40 Ottawa sd, & 20,000# 20/40 Econoprop. Flow test well. Test: 24 hrs F 225 BO, 50 BW, 504 MCF on 16/64" chk. Set tbg plug w/no-go in "R" nipple @ 11,108' & attempt to shear off plug, no jar action. Slickline equipment stuck w/sd in the permanent pkr. Fish & mill pkr for 4 weeks at a cost of $227,000. Did not recover fish. Fish consists of slickline sinker bars, 5' millout ext., cross over, 10' 2-3/8" tbg sub, type "F" profile nipple, 10' 2-3/8" tbg sub, type "R" profile nipple. While running GR/CCL tagged top of fish (slickline sinker bars) @ 11,173'. Using washpipe tagged mill out ext. @ 11, 184'. Swab well & it began to flow. Flow test well. Test: 124 BO, 19 BW, 242 MCF on 12/64" chk. Tag fill @ 11,180'. Set 5-1/2" Fas-Drill BP @ 11,130' w/10' sd on top. **Spot** 200 gals 15% HCL acid + additives 10,998-11,022'. BD perfs @ 2250 psi @ 1.7 BPM. **Acidize** w/2000 gals 15% HCL + additives, dropping 120 1.3 SG RCN ball sealers evenly spaced. No ball action. **Frac** 10,998-11,022' w/34,100 gals 40# Spectrofrac, 2900 gals 40# Liner gel, & 100,000# sd. Flow well. Tag sd fill @ 11,018'. Wash sd 11,018-120'. Swab well. Flow test well. Test: 24 hrs F 85 BO, 145 BW, 187 MCF on 16/64" chk. FTP 100#. Set BP @ 10,500' w/20' industrial sd on top.

2/3/96 **Perf 7547-57'**, 2 SPF. **Spot** 200 gals 15% HCL acid + additives across perfs 7547-57'. BD perfs @ 1849 psi tbg & 1689 psi csg. **Acidize** w/1200 gals 7-1/2" HCL acid + additives & 30 1.3 SG RCN ball sealers. **Frac** w/18,000 gals Dowell 30# XL gel & 76,000# 20/40 Brady sd. Swab well. Well kicked off & began to flow. Place well on prod. Well died. Set 640 pmpg unit. Place back on prod. Tag top of fill @ 10,335'. Attempt to wash sd, CP incr to 650 psi & lost 90 to 95% returns. (Lost an additional ±110 bbls to perfs - 210 bbls total). Flush tbg w/±60 bbls 2% KCL to break circ w/45 bbls gone w/80-90% returns. Displace wellbore conventional w/±220 bbls 10.8 ppg mud mixture, with ±40% returns, losing ±50 bbls mud to perfs. Re-break circ (conventional) w/25 bbls same w/70-80% returns, @ 2 BPM with 650-800 psi. Re-tag top of sd @ 10,335'. Wash sd to BP @ 10,500' w/±70% @ returns @ 2 BPM with 400 to 450 psi @ csg. Just prior to rec sd at surf, Delaware perfs broke down. Lost full returns. Lost an additional 140 bbls mud to perfs (190 bbls total) w/no sd rec. Attempt to flush tbg, found 8 stands plugged w/sd. Tag bridge @ 9715', wash thru bridge conventional (±4'). Re-tag top of fill @ 10,490', wash same & drill BP, fell free after ±35 mins with 450 psi csg and 90% loss of returns. Tag top of fill @ 11,038' (92' of fill on 2nd BP). Lost additional 95 bbls mud mixture to Delaware perfs. (Note: Began mixing small stream of 2% KCL to mud mixture during cleanout, attempting to lower weight to 10.5 ppg). Tag fill @ 10,970' (28' above top BS perf). Attempt to flush tbg, discover tbg plugged. Attempt to unplug, no success. Rec sd & BP material @ X-over from tbg to collars. Pump 46 bbls Magma Fiber pill, spot across perfs (300' above) w/5 bbls BW @ 1200 psi @ 2 BPM. Close csg valve & disp 5 bbls Magma Fiber into perfs. ISIP 700 psi & 535 psi after 30 mins. Rev Magma Fiber pill ±5 additional bbls back onto transport @ 2 BPM w/±250 psi w/90-100% returns. Re-tag top of fill @ 10,933'. Wash ±20' of fill, returns decr losing 90-95% after ±45 bbls w/returns changing to thick mud type fluid @ surf. Re-break circ w/100% + returns, continue w/same for ±135 bbls (mud slurry @ ±6500' on backside) to have returns decr, losing 90-95%. Load tbg w/5 bbls 2% KCL & attempt to break circ to pit, to

10/13/95-3/20/96 CONTINUED

1/24/00
RAS

no avail. Break circ w/35 bbls 2% KCL w/900 to 950 psi @ ±2 BPM w/50% returns, pump ±85 bbls w/circ press decr to ±350 psi w/95% returns. Re-break circ conventional @ 2 BPM w/700-750 psi. Clean up returns to have circ press decr to ±350 psi w/95% returns to rec 45-60 bbls thick mud slurry to pit, cont to disp wellbore w/2% KCL to have circ press once again decr to ±350 psi. Re-tag top of fill @ ±10,933'. Wash fill to 11,030' (100' above BP) @ 2.5 BPM w/500 psi @ tbg & ±30-40 psi @ csg w/95% returns. Clean up same for ±2 hrs to rec sd, BP material, plastic & rubber. Unloading oil & gas. Attempt to circ gas bubble w/±50 bbls 2% KCL, no success. Kill tbg w/35 bbls 10# BW. Re-tag top of fill @ 11,030'. Wash sd (conventional) to BP @ 11,130', disp wellbore w/ ±240 bbls 10 ppg BW. Attempt to break circ reverse w/no success, (650 to 700 psi @ 1.5 BPM for ±20 bbls). Switch to conventional & re-break circ. Drill on BP for ±30 mins. (Made ±8" to 10"). Broke circ with ±30% returns w/±700 psi. Fell free after ±10 mins. Tag top of fish @ 11,180' pump ±40 bbls. Returns began to unload w/good show of gas w/BP material & sd @ 120 psi @ 2.5 BPM w/50% returns. Continue to clean up same for an additional ±45 mins w/gas show decr to weak blow. Re-tag top of fish as before @ 11,180'. Install prod equip & place well on production. **NOTE: No attempt was made to rec Magma Fiber or lost mud from Delaware perfs.**
AWO: 3/20/96 24 hrs P 170 BO, 74 BW, 230 MCF. 10-31 BOL.
Turn over well operations to Enron @ 10:00 a.m. MST 3/20/96.

8/1-4/96 **INSTALL PUMPING UNIT**
CO fill 11,170-11,178'. Install pumping equipment.
AWO: 9/10/96 24 hrs P 81 BO, 53 BW, 215 MCF.

5/21/98 Fish pump. Plunger stuck open w/sand.

8/17/98 Pump change. Trash in pump.

5/25/98 Clean out frac sand. Drill & bail frac sand from 11,140' to top of fish @ 11,173' +/-.

Submit to Appropriate
State Lease — 4 copies
Fee Lease — 3 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised 1-1-89

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator	Lease	Well No.
ENRON OIL AND GAS CO.	JAMES RANCH UNIT	17

Unit Letter	Section	Township	Range	County
F	6	23 SOUTH	31 EAST NMPM	EDDY

Actual Footage Location of Well:
2080 feet from the NORTH line and 1980 feet from the WEST line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
3310.6'	Delaware/Bone Spring	Los Medanos	40 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.

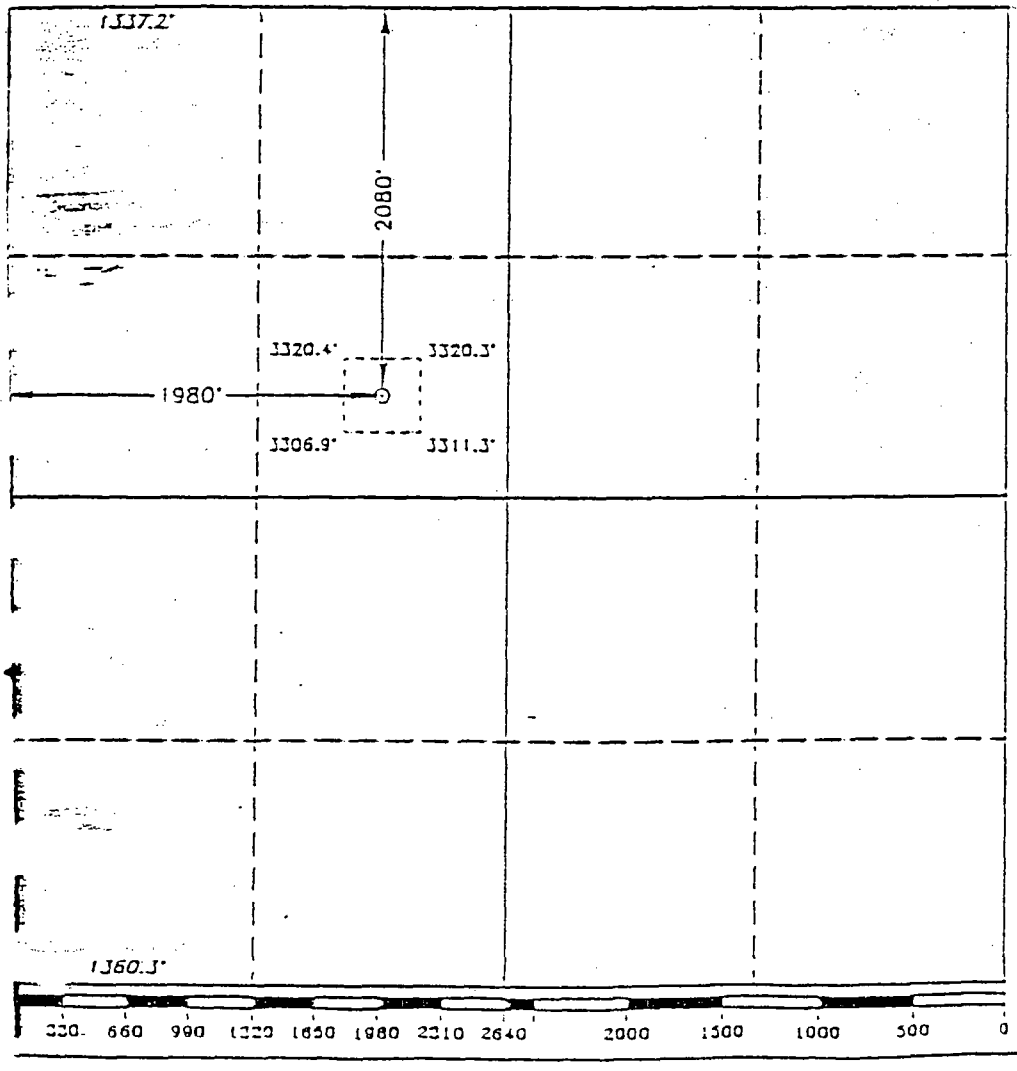
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?

☒ Yes ☐ No If answer is "yes" type of consolidation _____

If answer is "no" list of owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well unit all interests have been consolidated (by communitization, unitization, forced-pooling, otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



OPERATOR CERTIFICATION

I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.

Signature: Betty Gildon

Printed Name: Betty Gildon

Position: Regulatory Analyst

Company: Enron Oil & Gas Company

Date: 7/22/93

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed: MAY 27, 1993

Signature & Seal of Professional Surveyor: NEW MEXICO 7977 REGISTERED PROFESSIONAL LAND SURVEYOR

Certificate No. JOHN W. WEST 676
RONALD J. EIDSON 3239
GARY L. JONES 7977

93-11-0985

Form 3160-4
(July 1992)

BEPCO - TO PRODUCTION

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE (Other instructions on reverse side)

FEB 2 1994

RECEIVED

FORM APPROVED
OMB NO. 1004-0137
Expires: February 28, 1995

File

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

5. LEASE DESIGNATION AND SERIAL NO.: NM 02887-D

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ DRY ☐ Other

b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other

7. UNIT AGREEMENT NAME:

8. FARM OR LEASE NAME, WELL NO.: James Ranch Unit #17

2. NAME OF OPERATOR: Enron Oil & Gas Company

9. API WELL NO.: 30 015 27784

3. ADDRESS AND TELEPHONE NO.: P. O. Box 2267, Midland, Texas 79702

10. FIELD AND POOL, OR WILDCAT: Los Medanos Bone Spring

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface: 2080' FNL & 1980' FWL

At top prod. interval reported below: 2080' FNL & 1980' FWL

At total depth: 2080' FNL & 1980' FWL

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: Sec 6, T23S, R31E

14. PERMIT NO.	DATE ISSUED	12. COUNTY OR PARISH	13. STATE
-	10-13-93	Eddy	NM

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (Ready to prod.)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD
12-14-93	1-2-94	1-21-94	3310.6' GR	3310.6'

20. TOTAL DEPTH, MD & TVD	21. PLUG, BACK T.D., MD & TVD	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
11,300'	11,254'		→	-X	

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*: 10,998'-11,022' (Bone Spring)

25. WAS DIRECTIONAL SURVEY MADE: No

26. TYPE ELECTRIC AND OTHER LOGS RUN: SDL-DSN, DLL-MSFL

27. WAS WELL CORED: Yes

CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
11-3/4"	42#	623	14-3/4"	425 Cl C	Circulated
8-5/8"	32#	3876	11"	970 PSL & 225 Cl C	Circulated
5-1/2"	17#	11300	7-7/8"	1576 Super H & 130 Cl H	Temp Survey TOC at 3800'

29. LINER RECORD				30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					N/A		

31. PERFORATION RECORD (Interval, size and number): 10,998'-11,022' (.39" 96)

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
10998-11022	91,500 gals purgel & 116,000# 20/40 Interprop plus

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)
1-23-94	Flowing	Producing

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
1-24-94	24 hours	18/64"		35	0	120	0

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
-	540					39.0

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.): N/A

TEST WITNESSED BY:

35. LIST OF ATTACHMENTS: Logs

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Patsy Colson (Patsy Colson) TITLE Regulatory Analyst DATE 1-25-94

*(See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FEB 19 1996 RECEIVED

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

5. Lease Designation and Serial No.
NM 02887-D

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

Type of Well
[XX] Oil Well [ ] Gas Well [ ] Other

8. Well Name and No.
James Ranch Unit #17

Name of Operator
Enron Oil & Gas Company

9. API Well No.
30 015 27784

Address and Telephone No.
P. O. Box 2267, Midland, Texas 79702

10. Field and Pool, or Exploratory Area
Los Medanos Bone Spring

Location of Well (Footage, Sec., T., R., M., or Survey Description)
2080' FNL & 1980' FWL
Section 6, T23S, R31E

11. County or Parish, State
Lea County, NM

CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
[ ] Notice of Intent	[ ] Abandonment	[ ] Change of Plans
[ ] Subsequent Report	[ ] Recompletion	[ ] New Construction
[ ] Final Abandonment Notice	[ ] Plugging Back	[ ] Non-Routine Fracturing
	[ ] Casing Repair	[ ] Water Shut-Off
	[ ] Altering Casing	[ ] Conversion to Injection
	[XX] Other Delaware perfs & Frac	[ ] Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

2-1-96 - Set BP at 10,500' ± 10' sand on top.

2-2-96 - Perforated Delaware Formation 7547 to 7557 (.37" 22)
2-7/8" tubing set at 7543'.

2-5-96 - Frac w/18,000 gals Dowell 30# XL gel & 76,000# 20/40 Brady Sand.

2-7-96 - 24 hrs 238 BOPD, 269 BWPD, 124 MCFD on 16/64" chk, 175 psi FTP, 410 psi SICP.

14. I hereby certify that the foregoing is true and correct
Signed Betty Gildon Title Regulatory Analyst Date 2/16/96

(This space for Federal or State office use)
Approved by _____ Title _____ Date _____
Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
Delaware	0	3876	Redbed, Salt, Anhy
Bone Sp.	3876	6273	Shale, Sand
B.S. & Wolfcamp	6273	10067	Sandstone, Shale, Limestone
	10067	11300	Limestone, Shale

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Delaware	3934	
Bone Spring	7769	
3rd B.S. Sand	10594	
Wolfcamp	11211	

WORKSHEET FOR COMMERCIAL DETERMINATION AND PARTICIPATING AREA IN FEDERAL UNITS

WELL DATA

WELL JAMES RANCH UNIT NO. 17 FORMATION WOLFCAMP

LOCATION F UNIT, 2080 FEET FROM N LINE & 1980 FEET FROM W LINE

SECTION 6 TOWNSHIP 23S, RANGE 31E, COUNTY EDDY, NEW MEXICO

SPUD DATE 12/14/93 COMPLETION DATE 12/11/95 INITIAL PRODUCTION 12/11/95

PERFORATIONS 11,171-11,185'

STIMULATION:

ACID 10/15/95 - 200 GALS 15% HCL + ADDITIVES.

FRACTURE 24,000 GALS SPECTRA FRAC G-4000 40# XL GEL, 132,280# 20/40 OTTAWA SAND, & 20,000# 20/40 ECONOPROP.

POTENTIAL 1/15/1996 90 BOPD, 22 BWPD, 168 MCFD.

(Attach Copy of C-105. Attach Copy of Wellbore Sketch of Completed Well.)

VOLUMETRIC CALCULATION

	SANDS PERFORATED		SANDS NOT PERFORATED BUT POTENTIALLY PRODUCTIVE	
Area (A) proration unit size, acres	40			
Porosity (por), %	11.4%			
Water saturation (Sw), %	34%			
Net Thickness (h), ft.	31			
Temperature (T), Fahrenheit	170			
Bottom Hole pressure (P), psia	6,036			
Recovery factor (RF), %	27%			
Recoverable oil, BBLS *(See eq. below)	138,745			

*Sometimes unable to match performance due to volumetric uncertainty.

Formula = (7758) (A) (h) (por) (1-Sw) (1/Boi) (RF) Boi = 1.40

PERFORMANCE DATA

(If sufficient history exists, attach plot of oil production rate v time.)

CUMULATIVE PRODUCTION TO 11/30/99 ; 18,435 BBLS

INITIAL RATE (qi) 220

ECONOMIC LIMIT (ql) 30

DECLINE RATE, dy Hyperbolic d = 20.98% n = .98

REMAINING OIL (Q) = 12,465

ULTIMATE RECOVERABLE OIL 30,900

(Attach plat showing proration unit and participating area.)

ECONOMIC

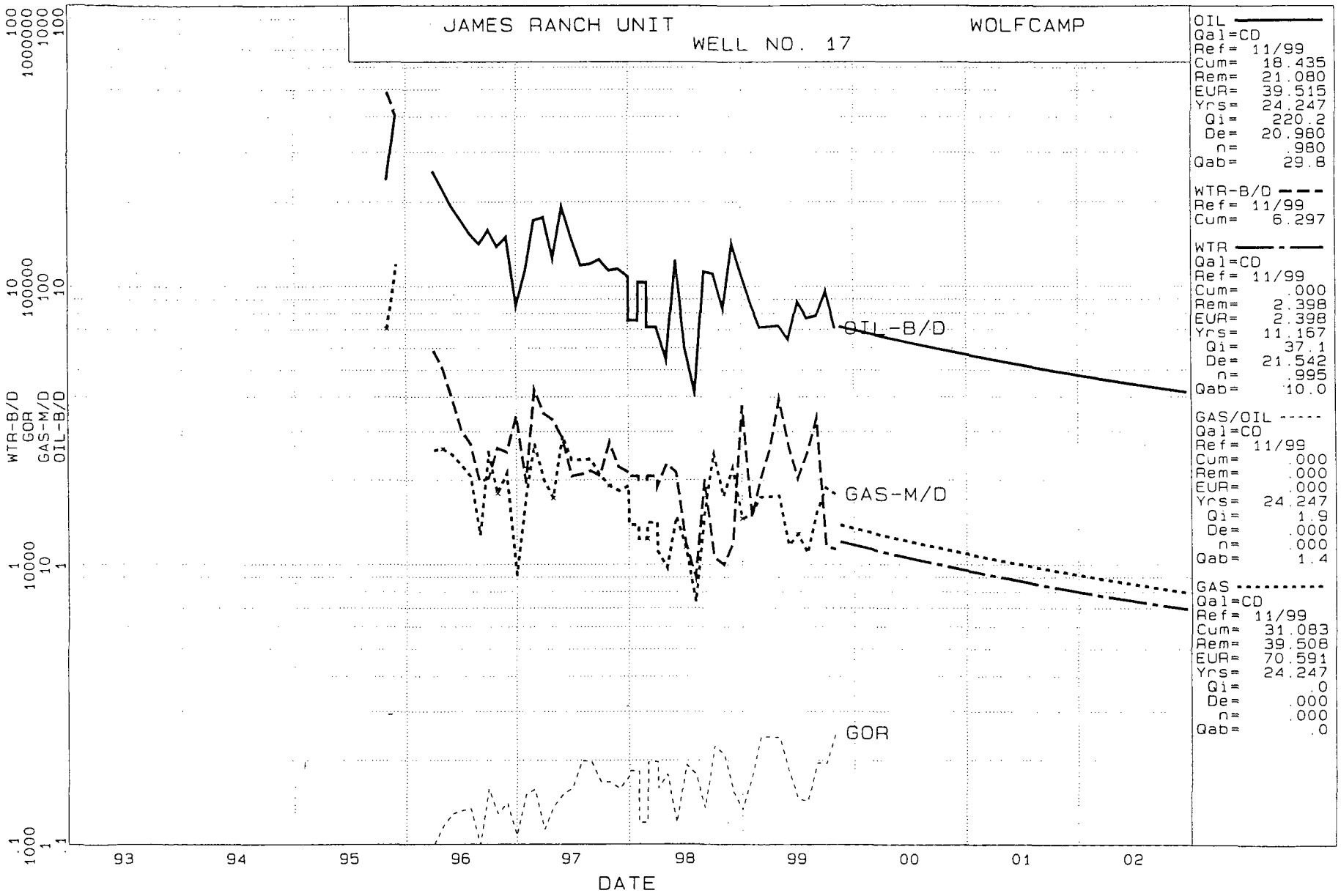
WELL COST $ 825,000 (to the depth of formation completed)

RECOMPLETION COST $ 0

TOTAL COST $ 825,000

YEAR	GROSS OIL	REVENUE	OPERATING COST	10% NET BFIT DISCOUNTED CASH FLOW
ZERO	0	0	0	-825,000
1	2,000	39,200	6,600	32,300
2	5,100	109,200	22,300	80,700
3	5,000	102,900	21,900	68,100
4	2,900	42,100	17,400	18,800
5	3,200	62,700	18,900	30,100
6	2,400	60,400	18,800	25,900
7	1,900	40,700	17,300	13,200
8	1,600	32,600	16,800	8,100
9	1,400	27,100	16,300	5,000
10	1,300	24,000	16,000	3,300
REMAINDER	4,200	80,500	67,800	4,400

WELL IS NOT COMMERCIAL


JAMES RANCH UNIT
WELL NO. 17
WOLFCAMP
OIL-B/D
GAS-M/D
GOR
WTR-B/D
GOR
GAS-M/D
OIL-B/D
DATE
93
94
95
96
97
98
99
00
01
02
OIL
Qal=CD
Ref= 11/99
Cum= 18.435
Rem= 21.080
EUR= 39.515
Yrs= 24.247
Qi= 220.2
De= 20.980
n= .980
Qab= 29.8
WTR-B/D
Ref= 11/99
Cum= 6.297
WTR
Qal=CD
Ref= 11/99
Cum= .000
Rem= 2.398
EUR= 2.398
Yrs= 11.167
Qi= 37.1
De= 21.542
n= .995
Qab= 10.0
GAS/OIL
Qal=CD
Ref= 11/99
Cum= .000
Rem= .000
EUR= .000
Yrs= 24.247
Qi= 1.9
De= .000
n= .000
Qab= 1.4
GAS
Qal=CD
Ref= 11/99
Cum= 31.083
Rem= 39.508
EUR= 70.591
Yrs= 24.247
Qi= .0
De= .000
n= .000
Qab= .0

JRU #17 WOLFCAMP
PREPARED BY: KENT ADAMS

DATE : 02/07/00
TIME : 13:36:05
DBS FILE : JRUPA
SETUP FILE : CD
SEQ NUMBER : 39

		INPUT DATA								CALCULATED DATA				
ITEM		SCHEDULING RATES			SCHEDULE UNTIL		PROCEDURE			ULTIMATE	LAST	EFF. DECL	INIT. RATE	FINAL RATE
405	START	11/99												
410	OIL	220.19	X	B/M	06/2015	AD	H/0.980	20.98		35.630	5/15	20.98	220.	46.
415	"	46.45	X	B/M	3.88	IMU	EXP	5.00		39.515	1/24	5.00	46.	30.
420	GAS/OIL	1.93	1.37	M/B	01/2097	AD	LOG	TIME			12/96			
425	WTR	37.10	X	B/M	2.40	IMU	H/0.995	21.54		2.398	12/10	21.54	37.	10.
430	START	10/95												
516	PRI/OIL	16.8800	X	$/B	1/95	MM/YY	PC	.00			1/24		16.880	
517	"	18.39	X	$/B	1/96	AD	PC	.00			1/24		18.390	18.390
518	"	22.26	X	$/B	1/97	AD	PC	.00			1/24		22.260	22.260
519	"	20.74	X	$/B	1/98	AD	PC	.00			12/97		20.740	20.740
520	"	14.43	X	$/B	1/99	AD	PC	.00			12/98		14.430	14.430
521	"	19.25	X	$/B	1/2000	AD	PC	.00			12/99		19.250	19.250
522	"	24.94	X	$/B	1/2001	AD	PC	.00			12/00		24.940	24.940
523	"	20.67	X	$/B	1/2002	AD	PC	.00			12/01		20.670	20.670
524	"	19.20	X	$/B	1/2003	AD	PC	.00			12/02		19.200	19.200
525	"	18.18	X	$/B	1/2004	AD	PC	.00			12/03		18.180	18.180
526	"	18.13	X	$/B	TO	LIFE	PC	.00			1/24		18.130	18.130
531	PRI/GAS	1.8900	X	$/M	1/95	MM/YY	PC	.00			1/24		1.890	
532	"	1.94	X	$/M	1/96	AD	PC	.00			12/95		1.940	1.940
533	"	2.61	X	$/M	1/97	AD	PC	.00			12/96		2.610	2.610
534	"	2.59	X	$/M	1/98	AD	PC	.00			12/97		2.590	2.590
535	"	2.11	X	$/M	1/99	AD	PC	.00			12/98		2.110	2.110
536	"	2.27	X	$/M	1/2000	AD	PC	.00			12/99		2.270	2.270
537	"	2.60	X	$/M	1/2001	AD	PC	.00			12/00		2.600	2.600
538	"	2.58	X	$/M	1/2002	AD	PC	.00			12/01		2.580	2.580
539	"	2.57	X	$/M	TO	LIFE	PC	.00			1/24		2.570	2.570
544	OPC/T	1190.00	X	$/M	TO	LIFE	SCH	OPC			1/24		1190.000	1190.000
549	STX/OIL	7.08	X	%	TO	LIFE	PC	.00			1/24		.071	.071
554	STX/GAS	7.93	X	%	TO	LIFE	PC	.00			1/24		.079	.079
559	ATX	.17	X	%	TO	LIFE	PC	.00			1/24		.002	.002
564	PRI/OIL	-.9100	-.9100	$/B	TO	LIFE	PC	.00			1/24		-.910	18.130
569	PRI/GAS	-.1300	-.1300	$/M	TO	LIFE	PC	.00			1/24		-.130	2.570
700	LSE/WI	100.0000	D	%	TO	LIFE	FLAT	.00			1/24		1.000	1.000
701	OWN/WI	100.0000	D	%	TO	LIFE	FLAT	.00			1/24		1.000	1.000
720	LSE/RIC	12.5000	D	%	TO	LIFE	FLAT	.00			1/24		.125	.125
721	OWN/RI	.0000	D	%	TO	LIFE	FLAT	.00			1/24			
740	LSE/RIG	12.5000	D	%	TO	LIFE	FLAT	.00			1/24		.125	.125
760	LSE/ORR	.0000	D	%	TO	LIFE	FLAT	.00			1/24			

761 OWN/ORR .0000 D % TO LIFE FLAT .00 1/24

OVERLAYS	SCHEDULING RATES	SCHEDULE UNTIL	PROCEDURE	ULTIMATE	LAST	EFF. DECL	INIT. RATE	FINAL RATE
905 LOAD	P.OIL OIL #			18.647	2/00			
910 LOAD	P.GAS GAS #			31.616	2/00			
915 LOAD	P.WATER WTR #			6.297	2/00			

INVESTMENT	TANGIBLES & INTANGIBLES		TIME		PROCEDURE	TOTAL T&I	MONTH	RISK INV.	TOT. T&I&R	ESC. T&I&R
800 DRILL	330.00	495.00 M$G	10/95	AD		825.000	10/95	.	825.0	825.0
801 SALVAGE	-33.00	.00 M$G	TO	LIFE		-33.000	1/24	.	-33.0	-33.0

RESERVE PARAMETERS		ITEM		ITEM
201 LOSS	NO			
205 CUMO, MB	18.43	CUMG, MMF	31.08	CUML, MB

PROJECT ASSUMPTIONS

BASE DATE : 10/95 TIME FRAMES : 1*3 38*12 1*600
P.W. DATE : 10/95 PW %-AGE : 10.0 DISC. FREQUENCY : 365.
REPORT DATE : 10/95 PROD QUAL : CD OWNER QUAL : CD OTHER QUAL : CD

JRU #17 WOLFCAMP
PREPARED BY: KENT ADAMS

DATE : 02/07/00
TIME : 13:36:05
DBS FILE : JRUPA
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SEQ NUMBER : 39

R E S E R V E S A N D E C O N O M I C S

EFFECTIVE DATE: 10/95

PERIOD ENDING	12/95	12/96	12/97	12/98	12/99	12/00	12/01	12/02	12/03	12/04	S TOT	AFTER	13.6 YR TOTAL
OWNERSHIP													
1) WORKING INTEREST, %	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000
2) REVENUE INTEREST, %	87.500	87.500	87.500	87.500	87.500	87.500	87.500	87.500	87.500	87.500	87.500	87.500	87.500
INVESTMENTS, M$													
3) BORROWED CAPITAL	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4) EQUITY INVESTMENTS	825.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	825.0	-33.0	792.0
5) RISK	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7) TOTAL	825.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	825.0	-33.0	792.0
OIL PHASE													
8) GROSS OIL, MB	2.0	5.1	5.0	2.9	3.2	2.4	1.9	1.6	1.4	1.3	26.7	4.2	30.9
9) NET OIL, MB	1.7	4.5	4.3	2.5	2.8	2.1	1.7	1.4	1.2	1.1	23.4	3.7	27.1
10) OIL REVENUE, M$	30.1	95.6	86.0	34.2	51.5	50.2	32.9	26.0	21.4	18.9	446.6	63.6	510.1
11) OIL PRICE, $/B	17.48	21.35	19.83	13.52	18.34	24.03	19.76	18.29	17.27	17.22	19.10	17.22	18.85
GAS PHASE													
12) GROSS GAS, MMF	5.8	6.3	7.9	4.5	6.0	4.7	3.6	3.1	2.7	2.4	47.1	7.9	55.0
13) NET GAS, MMF	5.1	5.5	6.9	4.0	5.3	4.1	3.2	2.7	2.4	2.1	41.2	6.9	48.1
14) GAS REVENUE, M$	9.2	13.6	16.9	7.9	11.3	10.2	7.8	6.6	5.8	5.1	94.4	16.9	111.3
15) GAS PRICE, $/MCF	1.810	2.480	2.460	1.980	2.140	2.470	2.450	2.440	2.440	2.440	2.292	2.440	2.314
WATER PHASE													
16) GROSS WATER, MB	2.7	1.0	.9	.7	.8	.1	.0	.0	.0	.0	6.3	.0	6.3
17) NET WATER, MB	2.7	1.0	.9	.7	.8	.1	.0	.0	.0	.0	6.3	.0	6.3
18) WATER PRICE, $/B	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
ECONOMICS, M$													
19) GROSS REV. TO INTR.	39.2	109.2	102.9	42.1	62.7	60.4	40.7	32.6	27.1	24.0	541.0	80.5	621.5
20) - SEV. TAX	2.9	7.8	7.4	3.0	4.5	4.4	2.9	2.4	2.0	1.7	39.1	5.8	44.9
22) - AD VALOREM TAX	.1	.2	.2	.1	.1	.1	.1	.1	.0	.0	.9	.1	1.0
23) - OPERATING COSTS	3.6	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	132.1	61.9	194.0
24) - SWD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
25) - CAPITAL REPAYMENT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26) - INTEREST PAID	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
27) + NPI OWNED - PAID	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
28) = NET INCOME	32.7	86.9	81.0	24.7	43.8	41.6	23.4	15.9	10.9	7.9	368.9	12.7	381.6
29) - INVESTMENTS & RSK	825.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	825.0	-33.0	792.0
30) = BFIT NET	-792.3	86.9	81.0	24.7	43.8	41.6	23.4	15.9	10.9	7.9	-456.1	45.7	-410.4
PRESENT WORTH @ 10.00 %													
31) NET INCOME	32.3	80.7	68.1	18.8	30.1	25.9	13.2	8.1	5.0	3.3	285.5	4.4	289.8
32) INVESTMENTS & RISK	825.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	825.0	-8.6	816.4
33) BFIT NET	-792.7	80.7	68.1	18.8	30.1	25.9	13.2	8.1	5.0	3.3	-539.5	12.9	-526.6
34) CUM BFIT NET	-792.7	-712.0	-643.9	-625.2	-595.0	-569.1	-556.0	-547.9	-542.9	-539.5	-539.5	-526.6	-526.6

JRU #17 WOLFCAMP
PREPARED BY: KENT ADAMS

DATE : 02/07/00
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A F T E R T A X E C O N O M I C S

EFFECTIVE DATE: 10/95

PERIOD ENDING	12/95	12/96	12/97	12/98	12/99	12/00	12/01	12/02	12/03	12/04	S TOT	AFTER	13.6 YR TOTAL
TAX TREATMENT OF INVESTMENTS, M$													
1) EXP, RISK & CAP INT	495.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	495.0	.0	495.0
2) DEPLETABLE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3) DEPRECIABLE	330.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	330.0	-33.0	297.0
TAX CALCULATIONS, M$													
4) GROSS REV. TO INTR.	39.2	109.2	102.9	42.1	62.7	60.4	40.7	32.6	27.1	24.0	541.0	80.5	621.5
5) - SEVERANCE TAX	2.9	7.8	7.4	3.0	4.5	4.4	2.9	2.4	2.0	1.7	39.1	5.8	44.9
6) - WPT TAX NET	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7) - OPR. COSTS & ATX	3.6	14.5	14.4	14.3	14.4	14.4	14.3	14.3	14.3	14.3	132.9	62.0	195.0
8) + NPI OWNED - PAID	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9) - OVERHEAD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10) - EXPENSED INV.	495.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	495.0	.0	495.0
11) - DEPRECIATION	11.8	55.5	75.0	53.6	38.3	29.5	29.5	29.5	7.4	.0	330.0	.0	330.0
12) = NET	-474.0	31.4	6.0	-28.9	5.5	12.2	-6.1	-13.6	3.5	7.9	-456.1	12.7	-443.4
13) - DEPLETION	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
14) - INTEREST PD & CAP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
15) = TAXABLE	-474.0	31.4	6.0	-28.9	5.5	12.2	-6.1	-13.6	3.5	7.9	-456.1	12.7	-443.4
16) * TAX RATE, %	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
17) - TAX CREDIT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
18) - WPT REFUND	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
19) = F.I.T.	-165.9	11.0	2.1	-10.1	1.9	4.3	-2.1	-4.8	1.2	2.8	-159.6	4.4	-155.2
20) REVENUE-SEV-WPT	36.4	101.4	95.5	39.0	58.2	56.0	37.7	30.2	25.2	22.2	501.9	74.7	576.5
21) - OPR. COSTS & ATX	3.6	14.5	14.4	14.3	14.4	14.4	14.3	14.3	14.3	14.3	132.9	62.0	195.0
22) + NPI OWNED - PAID	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23) - F.I.T.	-165.9	11.0	2.1	-10.1	1.9	4.3	-2.1	-4.8	1.2	2.8	-159.6	4.4	-155.2
24) = A.F.I.T.	198.7	75.9	78.9	34.8	41.9	37.4	25.5	20.6	9.6	5.2	528.5	8.2	536.8
25) - LOAN REPAYMENT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26) - INTEREST PAID	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
27) = NET INCOME	198.7	75.9	78.9	34.8	41.9	37.4	25.5	20.6	9.6	5.2	528.5	8.2	536.8
28) - INVESTMENTS & RSK	825.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	825.0	-33.0	792.0
29) = A.F.I.T. NET	-626.3	75.9	78.9	34.8	41.9	37.4	25.5	20.6	9.6	5.2	-296.5	41.2	-255.2
PRESENT WORTH @ 10.00 %													
30) NET INCOME	196.2	70.5	66.3	26.4	28.8	23.3	14.4	10.5	4.4	2.2	443.0	2.9	445.8
31) INVESTMENTS & RISK	825.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	825.0	-8.6	816.4
32) A.F.I.T. NET	-628.8	70.5	66.3	26.4	28.8	23.3	14.4	10.5	4.4	2.2	-382.0	11.4	-370.6
33) CUM. A.F.I.T. NET	-628.8	-558.3	-492.0	-465.6	-436.8	-413.5	-399.2	-388.6	-384.2	-382.0	-382.0	-370.6	-370.6

JRU #17 WOLFCAMP
PREPARED BY: KENT ADAMS

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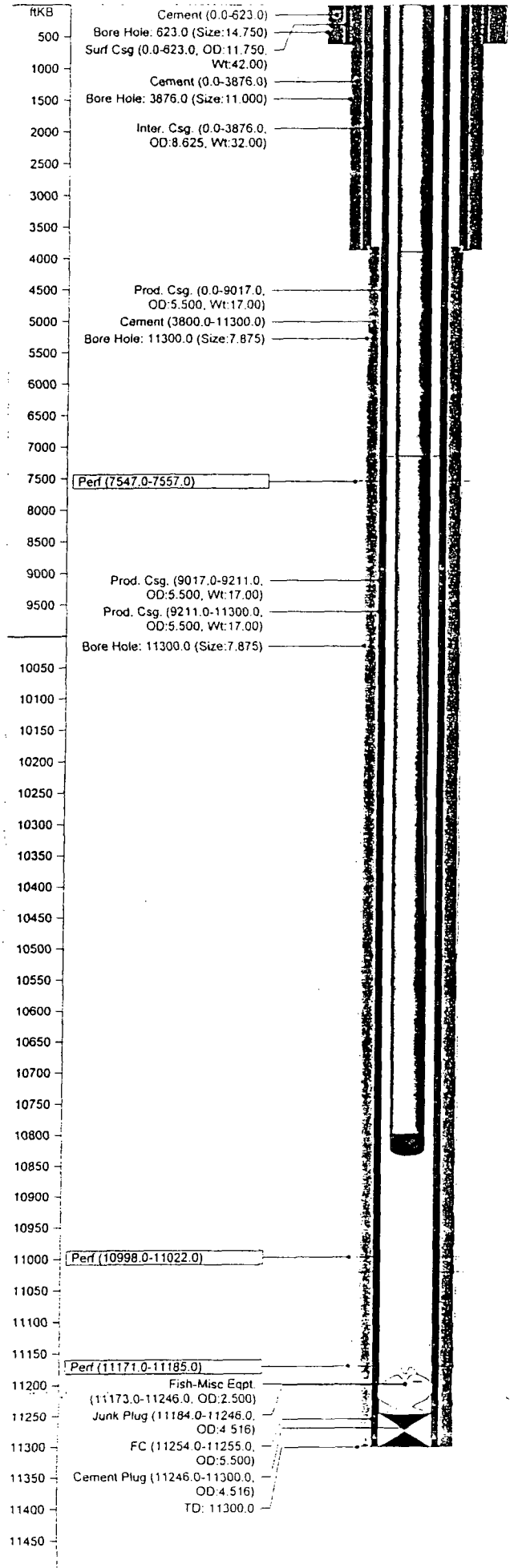
E C O N O M I C I N D I C A T O R S

AS OF DATE: 10/95

PRESENT WORTH PROFILE AND
RATE-OF-RETURN VS. BONUS TABLE

	B.F.I.T. WORTH M$------	A.F.I.T. WORTH M$------	A.F.I.T. BONUS M$------
0.	-410.428	-255.228	-392.658
2.	-440.456	-284.812	-419.752
5.	-478.152	-322.166	-450.968
6.	-489.105	-333.073	-459.540
8.	-509.006	-352.963	-474.625
10.	-526.604	-370.640	-487.504
20.	-590.768	-435.978	-531.912
30.	-631.379	-478.295	-559.085
40.	-659.550	-508.258	-578.060
50.	-680.322	-530.782	-592.312
60.	-696.311	-548.456	-603.536
70.	-709.018	-562.787	-612.695
80.	-719.374	-574.715	-620.381
90.	-727.986	-584.858	-626.980
100.	-735.267	-593.635	-632.753
RATE OF RETURN, PCT.	.0	.0	
UNDISCOUNTED PAYOUT, YRS.	13.58	13.58	
DISCOUNTED PAYOUT, YRS.	13.58	13.58	
UNDISCOUNTED NET/INVEST.	.48	.68	
DISCOUNTED NET/INVEST.	.36	.55	



JAMES RANCH UNIT #17			
API No.	3001527784	Status	ACT OIL
TD	11300.0 ftKB	Engineer	KAA
PBTD	11246.0 ftKB		
Operator	BEPCO	Permit	
Well No.	17	Spud	12/14/93
ID Code		RR	1/9/94
Field	LOS MEDANOS	Completion	1/24/94
Author	RAS	Last Act.	
Date Updated	12/10/98	Abandoned	
Comments	Drilled by Enron		

Location			
Township	S023	Top Latitude	0
		Top Longitude	0
Range	E031	Top NS Distance	2080.0 ft N
		Top EW Distance	1980.0 ft W
Section	6	Bottom Latitude	0
Unit Ltr.	F	Bottom Longitude	0
State	NEW MEXICO	Btm NS Distance	0.0 ft
County	EDDY	Btm EW Distance	0.0 ft

Elevations			
KB	3327.3 ft	Cas Flng	0.0 ft
Grd	3310.6 ft	Tub Head	0.0 ft
KB-Grd	16.7 ft		

Casing String - Surface Casing

Item (in)	Top (ftKB)	Btm (ftKB)	Jnts	ID	Wt	Grd	Thd
11 3/4 in Surf Csg	0.0	623.0	14	11.080	42.00	H-40	STC

Casing String - Intermediate Casing

Item (in)	Top (ftKB)	Btm (ftKB)	Jnts	ID	Wt	Grd	Thd
8 5/8 in Inter. Csg.	0.0	3876.0	90	7.920	32.00	K-55	STC

Casing String - Production Casing

Item (in)	Top (ftKB)	Btm (ftKB)	Jnts	ID	Wt	Grd	Thd
5 1/2 in Prod. Csg.	0.0	9017.0	201	4.890	17.00	110/CF	LTC
5 1/2 in Prod. Csg.	9017.0	9211.0	5	4.890	17.00	P110	LTC
5 1/2 in Prod. Csg.	9211.0	1300.0	47	4.890	17.00	110/S9	STC
5 1/2 in FC	1254.0	1255.0		0.000	0.00		

Casing Cement

Casing String	Top (ftKB)	Amount (sx)	Comments
Surface Casing	0.0	425	
Intermediate Casing	0.0	1195	
Production Casing	3800.0	1706	TOC by temp survey.

Tubing String - Primary Tubing

Item (in)	Top (ftKB)	Btm (ftKB)	Jnts	ID (in)	Wt	Grd	Thd
2 7/8 in Tbg. w/reg colr	0.0	3894.0	118	2.441	6.50	N-80	8rd
2 7/8 in Tbg. w/TD colr	3894.0	7151.0	104	2.441	6.50	N-80	8rd
5 1/2 in Baker TAC	7151.0	7154.0		2.875	0.00		
2 7/8 in Tbg. w/TD colr	7154.0	10799.0	116	2.441	6.50	N-80	8rd
2 7/8 in .5' SN, 4' PS, 32.6' MA	10799.0	10836.0		2.441	0.00		

Other (plugs, equip., etc.) - Plug Back

Date	Item	Int (ftKB)
11/19/95	Junk Plug	11184.0 - 11246.0
1/9/94	Cement Plug	11246.0 - 11300.0

Perforations

Date	Int	Shots (/ft)	Status
1/22/94	10998.0 - 11022.0	4.0	
10/16/95	11171.0 - 11185.0	2.0	
2/3/96	7547.0 - 7557.0	2.0	

Stimulations & Treatments

Date	Type	Interval	Fluid	Sand	Comments
1/23/94	Sand Frac	10998.0 - 11022.0			
11/26/94	CO2 Foam Job	10998.0 - 11022.0			

WELL HISTORY

WELL NAME:	James Ranch Unit No. 17
FIELD NAME:	Los Medanos (Bone Spring)
LOCATION:	2080' FNL & 1980' FWL, Sec 6, T23S, R31E, Unit F, Eddy County, NM
ELEV:	3310.6' GL; 3327.3' KB
SPUD DATE:	12/14/93
COMP DATE:	1/21/94 (RR 1/9/94)
ORIG TD:	11,300'
ORIG PBTD:	11,254'
CURRENT PBTD:	11,254'
CASING:	11-3/4" 42# H-40 ST&C CSA 623' w/425 sx, cmt circ, 14-3/4" hole 0-623'. 8-5/8" 32# J-55 & K-55 ST&C CSA 3876' w/1195 sx, cmt circ, 11" hole 623-3876'. 5-1/2" 17# P-110/S-95 & P-110/CF-95 LT&C CSA 11,300' w/1706 sx, TOC 3,800' (TS), 7-7/8" hole 3876-11,300'.
TBG:	2-7/8", 6.5#, N-80
DST:	
CORES & LOGS:	1/7/94 Ran Caliper/Gamma/Spectral, Density/Dual Spaced Neutron/Dual Lateralog/Micro-SFL. 1/22/94 Ran CBL/GR/CCL 10,900-11,234' & 7,000-8,000'. 1/8/94 Took 20 sidewall cores @ 11195, 11192, 11187, 11183, 11177, 11174, 11021, 11019, 11013, 11007, 11004, 11001, 7670, 7626, 7612, 7592, 7588, 7568, 7557, 7552'.

INITIAL COMPLETION:

1/22/94-2/9/194

Run CBL/GR/CCL 10,900-11,234' & 7,000-8,000'.

1/22/94 **Perf 10,998-11,022'**, 4 SPF. **Frac** w/91,500 gals gel & 116,000# 20/40 Interprop Plus. Ran packer in attempt to stabilize prod.

IP: 4/11/94 24 hr F 28 BO, 6 BLW, & 63 MCF on 1" chk. FTP 40, FCP 60, LP 35.

WORKOVERS:

11/26/94-12/20/94 **STIMULATE WELL**

Pumped E-Z Clean treatment w/5400 gals E-Z clean w/CO_2 w/70 quality foam. Flush w/2800 gals 50 quality foam.

AWO: 12/20/94 24 hr F 50 BO, 44 BW, & 43 MCF on 1" chk. LP 43#.

JAMES RANCH UNIT NO. 17
WELL HISTORY

10/13/95-3/20/96 RECOMPLETE AND FRACTURE STIMULATE

Tag fill @ 11,084'. Wash sd 11,084-244'. **Spot** 200 gals 15% HCL weighted acid + additives 11,212-11,012'.

10/16/95 **Perf 11,171-185'**, 2 SPF. Set Guiberson perm pkr @ 11,080'. **Frac** 11,171-185' w/24,000 gals Spectra Frac G-4000 40# XL gel, 132,280# 20/40 Ottawa sd, & 20,000# 20/40 Econoprop. Flow test well. Test: 24 hrs F 225 BO, 50 BW, 504 MCF on 16/64" chk. Set tbg plug w/no-go in "R" nipple @ 11,108' & attempt to shear off plug, no jar action. Slickline equipment stuck w/sd in the permanent pkr. Fish & mill pkr for 4 weeks at a cost of $227,000. Did not recover fish. Fish consists of slickline sinker bars, 5' millout ext., cross over, 10' 2-3/8" tbg sub, type "F" profile nipple, 10' 2-3/8" tbg sub, type "R" profile nipple. While running GR/CCL tagged top of fish (slickline sinker bars) @ 11,173'. Using washpipe tagged mill out ext. @ 11, 184'. Swab well & it began to flow. Flow test well. Test: 124 BO, 19 BW, 242 MCF on 12/64" chk. Tag fill @ 11,180'. Set 5-1/2" Fas-Drill BP @ 11,130' w/10' sd on top. **Spot** 200 gals 15% HCL acid + additives 10,998-11,022'. BD perfs @ 2250 psi @ 1.7 BPM. **Acidize** w/2000 gals 15% HCL + additives, dropping 120 1.3 SG RCN ball sealers evenly spaced. No ball action. **Frac** 10,998-11,022' w/34,100 gals 40# Spectrofrac, 2900 gals 40# Liner gel, & 100,000# sd. Flow well. Tag sd fill @ 11,018'. Wash sd 11,018-120'. Swab well. Flow test well. Test: 24 hrs F 85 BO, 145 BW, 187 MCF on 16/64" chk. FTP 100#. Set BP @ 10,500' w/20' industrial sd on top.

2/3/96 **Perf 7547-57'**, 2 SPF. **Spot** 200 gals 15% HCL acid + additives across perfs 7547-57'. BD perfs @ 1849 psi tbg & 1689 psi csg. **Acidize** w/1200 gals 7-1/2" HCL acid + additives & 30 1.3 SG RCN ball sealers. **Frac** w/18,000 gals Dowell 30# XL gel & 76,000# 20/40 Brady sd. Swab well. Well kicked off & began to flow. Place well on prod. Well died. Set 640 pmpg unit. Place back on prod. Tag top of fill @ 10,335'. Attempt to wash sd, CP incr to 650 psi & lost 90 to 95% returns. (Lost an additional ±110 bbls to perfs - 210 bbls total). Flush tbg w/±60 bbls 2% KCL to break circ w/45 bbls gone w/80-90% returns. Displace wellbore conventional w/±220 bbls 10.8 ppg mud mixture, with ±40% returns, losing ±50 bbls mud to perfs. Re-break circ (conventional) w/25 bbls same w/70-80% returns, @ 2 BPM with 650-800 psi. Re-tag top of sd @ 10,335'. Wash sd to BP @ 10,500' w/±70% @ returns @ 2 BPM with 400 to 450 psi @ csg. Just prior to rec sd at surf, Delaware perfs broke down. Lost full returns. Lost an additional 140 bbls mud to perfs (190 bbls total) w/no sd rec. Attempt to flush tbg, found 8 stands plugged w/sd. Tag bridge @ 9715', wash thru bridge conventional (±4'). Re-tag top of fill @ 10,490', wash same & drill BP, fell free after ±35 mins with 450 psi csg and 90% loss of returns. Tag top of fill @ 11,038' (92' of fill on 2nd BP). Lost additional 95 bbls mud mixture to Delaware perfs. (Note: Began mixing small stream of 2% KCL to mud mixture during cleanout, attempting to lower weight to 10.5 ppg). Tag fill @ 10,970' (28' above top BS perf). Attempt to flush tbg, discover tbg plugged. Attempt to unplug, no success. Rec sd & BP material @ X-over from tbg to collars. Pump 46 bbls Magma Fiber pill, spot across perfs (300' above) w/5 bbls BW @ 1200 psi @ 2 BPM. Close csg valve & disp 5 bbls Magma Fiber into perfs. ISIP 700 psi & 535 psi after 30 mins. Rev Magma Fiber pill ±5 additional bbls back onto transport @ 2 BPM w/±250 psi w/90-100% returns. Re-tag top of fill @ 10,933'. Wash ±20' of fill, returns decr losing 90-95% after ±45 bbls w/returns changing to thick mud type fluid @ surf. Re-break circ w/100% + returns, continue w/same for ±135 bbls (mud slurry @ ±6500' on backside) to have returns decr, losing 90-95%. Load tbg w/5 bbls 2% KCL & attempt to break circ to pit, to

10/13/95-3/20/96 CONTINUED

1/24/00
RAS

no avail. Break circ w/35 bbls 2% KCL w/900 to 950 psi @ ±2 BPM w/50% returns, pump ±85 bbls w/circ press decr to ±350 psi w/95% returns. Re-break circ conventional @ 2 BPM w/700-750 psi. Clean up returns to have circ press decr to ±350 psi w/95% returns to rec 45-60 bbls thick mud slurry to pit, cont to disp wellbore w/2% KCL to have circ press once again decr to ±350 psi. Re-tag top of fill @ ±10,933'. Wash fill to 11,030' (100' above BP) @ 2.5 BPM w/500 psi @ tbg & ±30-40 psi @ csg w/95% returns. Clean up same for ±2 hrs to rec sd, BP material, plastic & rubber. Unloading oil & gas. Attempt to circ gas bubble w/±50 bbls 2% KCL, no success. Kill tbg w/35 bbls 10# BW. Re-tag top of fill @ 11,030'. Wash sd (conventional) to BP @ 11,130', disp wellbore w/ ±240 bbls 10 ppg BW. Attempt to break circ reverse w/no success, (650 to 700 psi @ 1.5 BPM for ±20 bbls). Switch to conventional & re-break circ. Drill on BP for ±30 mins. (Made ±8" to 10"). Broke circ with ±30% returns w/±700 psi. Fell free after ±10 mins. Tag top of fish @ 11,180' pump ±40 bbls. Returns began to unload w/good show of gas w/BP material & sd @ 120 psi @ 2.5 BPM w/50% returns. Continue to clean up same for an additional ±45 mins w/gas show decr to weak blow. Re-tag top of fish as before @ 11,180'. Install prod equip & place well on production. **NOTE: No attempt was made to rec Magma Fiber or lost mud from Delaware perfs.**
AWO: 3/20/96 24 hrs P 170 BO, 74 BW, 230 MCF. 10-31 BOL.
Turn over well operations to Enron @ 10:00 a.m. MST 3/20/96.

8/1-4/96 **INSTALL PUMPING UNIT**
CO fill 11,170-11,178'. Install pumping equipment.
AWO: 9/10/96 24 hrs P 81 BO, 53 BW, 215 MCF.

5/21/98 Fish pump. Plunger stuck open w/sand.

8/17/98 Pump change. Trash in pump.

5/25/98 Clean out frac sand. Drill & bail frac sand from 11,140' to top of fish @ 11,173' +/-.

ub. t to Appropriate
t. Office
ate - 4 copies
ee Lea. - 3 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator	Lease	Well No.
ENRON OIL AND GAS CO.	JAMES RANCH UNIT	17

Unit Letter	Section	Township	Range	County
F	6	23 SOUTH	31 EAST NMPM	EDDY

Actual Footage Location of Well:
2080 feet from the NORTH line and 1980 feet from the WEST line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
3310.6'	Delaware/Bone Spring	Los Medanos	40 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.

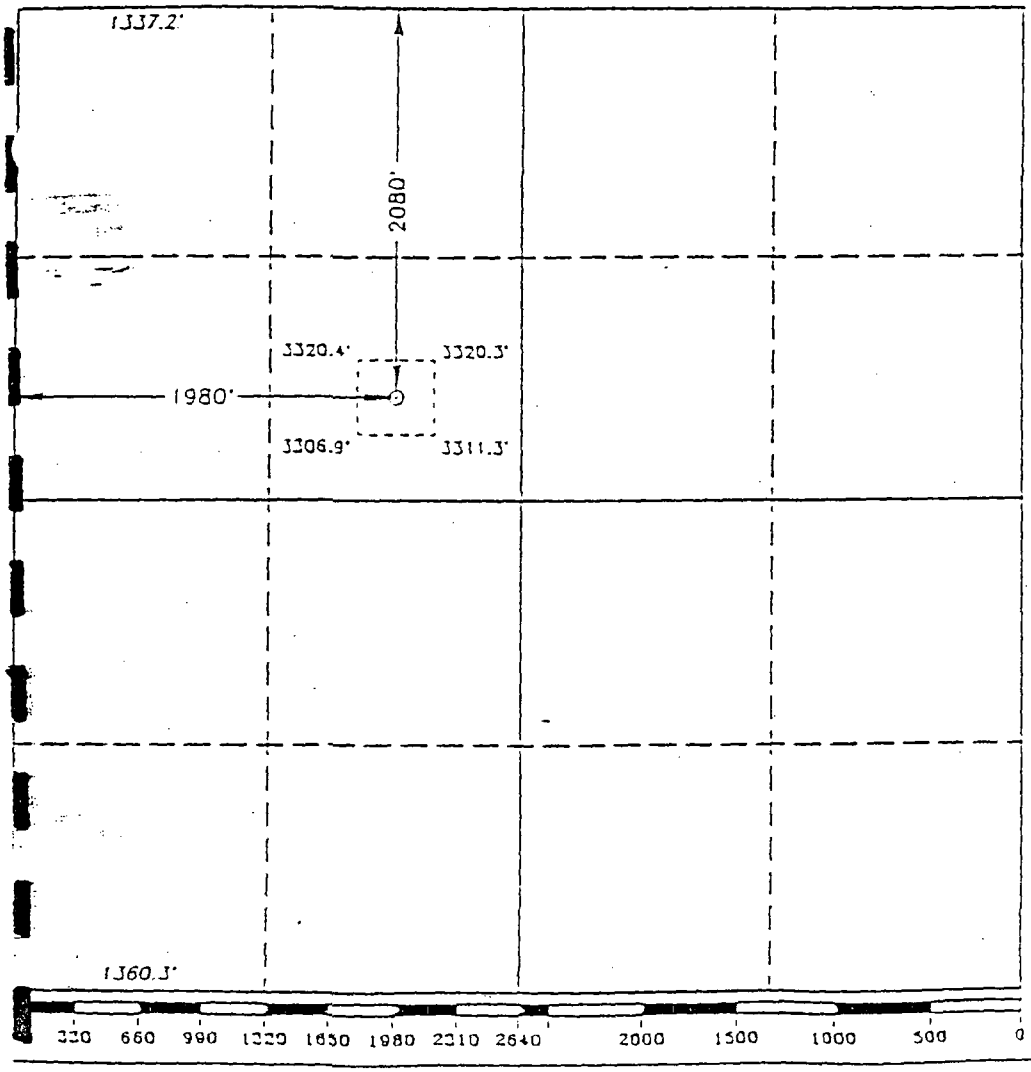
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?

☒ Yes ☐ No If answer is "yes" type of consolidation _____

If answer is "no" list of owners and tract descriptions which have actually been consolidated. (Use reverse side of this form necessary. _____

No allowable will be assigned to the well unit all interests have been consolidated (by communitization, unitization, forced-pooling, otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



OPERATOR CERTIFICATION

I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.

Signature: Betty Gildon

Printed Name: Betty Gildon

Position: Regulatory Analyst

Company: Enron Oil & Gas Company

Date: 7/22/93

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed: MAY 27, 1993

Signature & Seal of Professional Surveyor: NEW MEXICO 7977 REGISTERED PROFESSIONAL LAND SURVEYOR

Certificate No. JOHN W. WEST 676
GARY L. JONES 7977
RONALD J. EIDSON 3239

93-11-0985

Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

BEPCO - WTO PRODUCTION
DEC 05 1995
RECEIVED

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

5. Lease Designation and Serial No.
NM 02887-D

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

Type of Well
☐ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.
James Ranch Unit #17

2. Name of Operator
Enron Oil & Gas Company

9. API Well No.
30 015 27784

Address and Telephone No.
P. O. Box 2267, Midland, Texas 79702 (915) 686-3714

10. Field and Pool, or Exploratory Area
Los Medanos ~~Bone Spring~~

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
2080' FNL & 1980' FWL
Section 6, T23S, R31E

11. County or Parish, State
Lea County, NM

CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
☐ Notice of Intent	☐ Abandonment	☐ Change of Plans
☒ Subsequent Report	☐ Recompletion	☐ New Construction
☐ Final Abandonment Notice	☐ Plugging Back	☐ Non-Routine Fracturing
	☐ Casing Repair	☐ Water Shut-Off
	☐ Altering Casing	☐ Conversion to Injection
	☐ Other Added Wolfcamp Perfs	☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

10-15-95 - Perforated 11,171'-11,185' (14', 28 shots.)

10-18-95 - Frac Wolfcamp perfs with 24,000 gals Spectra frac G-4000 40# XL gel and 132,280# 20/40 Ottawa sand and 20,000# 20/40 Econoprop.

11-21-95 - 2-7/8" tubing at 10,979'.

11-26-95 - 24 hour test from Bone Spring and Wolfcamp.

148 BOPD, 38 BWPD, 257 MCFD, 12/64" choke, 35-100 psi FTP, 1290 psi SICP.

Wolfcamp Production: 141 BOPD, 34 BWPD, 240 MCFD.
Bone Spring Production: 7 BOPD, 4 BWPD, 17 MCFD.

14. I hereby certify that the foregoing is true and correct
Signed Betty Gildon Title Regulatory Analyst Date 12/4/95

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____
Conditions of approval, if any:

18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

Form 3160-4
(July 1992)

BEPCO - TO PRODUCTION

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE (Other instructions on reverse side)

FORM APPROVED
OMB NO. 1004-0137
Expires: February 28, 1995

File

DECISION

5. LEASE DESIGNATION AND SERIAL NO. NM 02887-D

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ DRY ☐ Other

b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.
James Ranch Unit #17

2. NAME OF OPERATOR
Enron Oil & Gas Company

9. API WELL NO.
30 015 27784

3. ADDRESS AND TELEPHONE NO.
P. O. Box 2267, Midland, Texas 79702

10. FIELD AND POOL, OR WILDCAT
Los Medanos Bone Spring

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface: 2080' FNL & 1980' FWL
At top prod. interval reported below: 2080' FNL & 1980' FWL
At total depth: 2080' FNL & 1980' FWL

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
Sec 6, T23S, R31E

14. PERMIT NO.	DATE ISSUED	12. COUNTY OR PARISH	13. STATE
-	10-13-93	Eddy	NM

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (Ready to prod.)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD
12-14-93	1-2-94	1-21-94	3310.6' GR	3310.6'

20. TOTAL DEPTH, MD & TVD	21. PLUG BACK T.D., MD & TVD	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
11,300'	11,254'		→	-X	

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
10,998'-11,022' (Bone Spring)

25. WAS DIRECTIONAL SURVEY MADE
No

26. TYPE ELECTRIC AND OTHER LOGS RUN
SDL-DSN, DLL-MSFL

27. WAS WELL CORED
Yes

CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
11-3/4"	42#	623	14-3/4"	425 Cl C	Circulated
8-5/8"	32#	3876	11"	970 PSL & 225 Cl C	Circulated
5-1/2"	17#	11300	7-7/8"	1576 Super H & 130 Cl H	Temp Survey TOC at 3800'

LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
N/A		

31. PERFORATION RECORD (Interval, size and number)
10,998'-11,022' (.39" 96)

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
10998-11022	91,500 gals purgel & 116,000# 20/40 Interprop plus

PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)
1-23-94	Flowing	Producing

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
1-24-94	24 hours	18/64"		35	0	120	0

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
-	540				-	39.0

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)
N/A

TEST WITNESSED BY

35. LIST OF ATTACHMENTS
Logs

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Ruth Lilden (DECISION) TITLE Regulatory Analyst DATE 1-25-94

*(See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
Delaware	0	3876	Redbed, Salt, Anhy
Bone Sp.	3876	6273	Shale, Sand
B.S. & Wolfcamp	6273	10067	Sandstone, Shale, Limestone
	10067	11300	Limestone, Shale

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Delaware	3934	
Bone Spring	7769	
3rd B.S. Sand	10594	
Wolfcamp	11211	