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

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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. 73
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. 73 FORMATION DELAWARE

LOCATION C UNIT, 330 FEET FROM N LINE & 1980 FEET FROM W LINE

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

SPUD DATE 6/29/96 COMPLETION DATE 12/17/96 INITIAL PRODUCTION 12/17/96

PERFORATIONS 7530-7590'

STIMULATION:

ACID 1000 GALS 7-1/2% FERCHECK SC ACID + 25 BALL SEALERS.

FRACTURE 28,000 GALS DELTA FRAC 25, 95,000# 20/40 BROWN SAND, & 24,000# 16/30 BROWN SAND WITH 0.5% PROP WRAP.

POTENTIAL 1/2/97 134 BOPD, 188 BWPD, 83 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.	39		25	
Temperature (T), Fahrenheit	120		120	
Bottom Hole pressure (P), psia	3,275		3,139	
Recovery factor (RF), %	16%		10%	
Recoverable oil, BBLS *(See eq. below)	61,965		28,705	

*Sometimes unable to match performance due to volumetric uncertainty.

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

PERFORMANCE DATA

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

CUMULATIVE PRODUCTION TO 11/30/99 ; 20,353 BBLS

	PRODUCING	BEHIND PIPE
INITIAL RATE (qi)	220	1,337
ECONOMIC LIMIT (ql)	60	60
DECLINE RATE, dy (Hyperbolic, n=.995)	26.70%	82.89%
REMAINING OIL (Q) =	6,847	24,000
ULTIMATE RECOVERABLE OIL	51,200	

(Attach plat showing proration unit and participating area.)

ECONOMIC

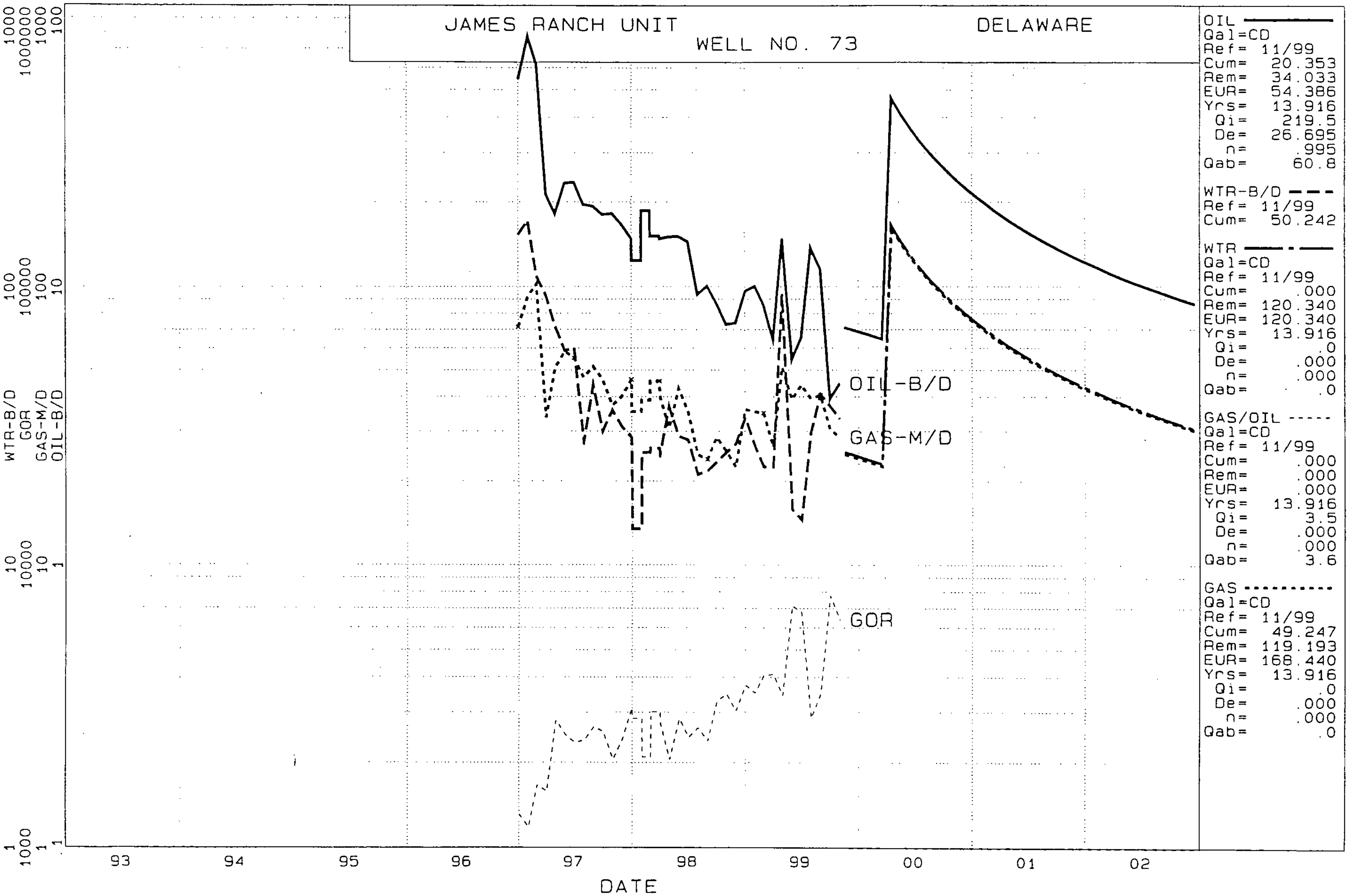
WELL COST $ 570,000 (to the depth of formation completed)

RECOMPLETION COST $ 65,000 (4/2000)

TOTAL COST $ 635,000

YEAR	GROSS OIL	REVENUE	OPERATING COST	10% NET BFIT DISCOUNTED CASH FLOW
ZERO	0	0	0	-570,000
1	1,700	36,400	6,700	29,600
2	10,000	217,100	46,700	160,700
3	5,100	83,800	29,800	46,100
4	3,400	78,000	30,700	36,500
5	9,200	263,800	41,600	155,300
6	5,800	144,300	31,700	71,300
7	3,700	86,600	26,700	34,300
8	2,700	61,100	24,600	18,900
9	2,100	48,200	23,400	11,600
10	1,800	39,900	22,700	7,300
REMAINDER	5,700	127,800	100,800	9,500

WELL IS NOT COMMERCIAL


JAMES RANCH UNIT
WELL NO. 73
DELAWARE
OIL-B/D
GAS-M/D
GOR
WTR-B/D
GOR
GAS-M/D
OIL-B/D
1000 1000000 1000 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= 20.353
Rem= 34.033
EUR= 54.386
Yrs= 13.916
Qi= 219.5
De= 26.695
n= .995
Qab= 60.8
WTR-B/D
Ref= 11/99
Cum= 50.242
WTR
Qal=CD
Ref= 11/99
Cum= .000
Rem= 120.340
EUR= 120.340
Yrs= 13.916
Qi= .0
De= .000
n= .000
Qab= .0
GAS/OIL
Qal=CD
Ref= 11/99
Cum= .000
Rem= .000
EUR= .000
Yrs= 13.916
Qi= 3.5
De= .000
n= .000
Qab= 3.6
GAS
Qal=CD
Ref= 11/99
Cum= 49.247
Rem= 119.193
EUR= 168.440
Yrs= 13.916
Qi= .0
De= .000
n= .000
Qab= .0

JAMES RANCH UNIT #73 DELAWARE
PREPARED BY: KENT ADAMS

DATE : 02/09/00
TIME : 13:49:30
DBS FILE : JRUPA
SETUP FILE : CD
SEQ NUMBER : 12

	INPUT DATA							CALCULATED DATA				
ITEM	SCHEDULING RATES			SCHEDULE	UNTIL	PROCEDURE		ULTIMATE	LAST	EFF. DECL	INIT. RATE	FINAL RATE
405 START	11/99											
410 OIL	219.52	X	B/M	04/2000	AD	H/0.995	26.69	21.385	3/00	26.69	220.	194.
415 "	1520.80	X	B/M	33.00	IMU	H/0.995	82.90	54.386	9/13	82.90	1521.	61.
420 START	11/99											
425 GAS/OIL	3.49	3.57	M/B	05/2019	AD	LOG	TIME		4/19			
430 START	11/99											
435 WTR/OIL	3.55	3.50	U/B	TO	LIFE	LIN	TIME		9/13			
440 START	12/96											
516 PRI/OIL	16.8800	X	$/B	1/95	MM/YY	PC	.00		9/13		16.880	
517 "	18.39	X	$/B	1/96	AD	PC	.00		9/13		18.390	
518 "	22.26	X	$/B	1/97	AD	PC	.00		9/13		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		9/13		18.130	18.130
531 PRI/GAS	1.8900	X	$/M	1/95	MM/YY	PC	.00		9/13		1.890	
532 "	1.94	X	$/M	1/96	AD	PC	.00		11/96		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		9/13		2.570	2.570
544 PRI/WTR	.5000	.5000	$/U	1/2000	AD	PC	.00		11/96		.500	.500
545 "	.08	X	$/U	TO	LIFE	PC	.00		11/96		.080	
550 OPC/T	1600.00	X	$/M	TO	LIFE	SCH	OPC		9/13		1600.000	1600.000
555 STX/OIL	7.08	X	%	TO	LIFE	PC	.00		9/13		.071	.071
560 STX/GAS	7.93	X	%	TO	LIFE	PC	.00		9/13		.079	.079
565 ATX	.17	X	%	TO	LIFE	PC	.00		9/13		.002	.002
570 PRI/OIL	-.9100	-.9100	$/B	TO	LIFE	PC	.00		9/13		-.910	18.130
575 PRI/GAS	-.1300	-.1300	$/M	TO	LIFE	PC	.00		9/13		-.130	2.570
700 LSE/WI	100.0000	D	%	TO	LIFE	FLAT	.00		9/13		1.000	1.000
701 OWN/WI	100.0000	D	%	TO	LIFE	FLAT	.00		9/13		1.000	1.000

720 LSE/RIC	12.5000	D	%	TO	LIFE	FLAT	.00		9/13		.125	.125
721 OWN/RI	.0000	D	%	TO	LIFE	FLAT	.00		9/13			
740 LSE/RIG	12.5000	D	%	TO	LIFE	FLAT	.00		9/13		.125	.125
760 LSE/ORR	.0000	D	%	TO	LIFE	FLAT	.00		9/13			
761 OWN/ORR	.0000	D	%	TO	LIFE	FLAT	.00		9/13			

OVERLAYS	SCHEDULING RATES	SCHEDULE UNTIL	PROCEDURE	ULTIMATE	LAST	EFF. DECL	INIT. RATE	FINAL RATE
905 LOAD	P.OIL OIL #			20.487	2/00			
910 LOAD	P.GAS GAS #			50.104	2/00			
915 LOAD	P.WATER WTR #			50.242	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$G	12/96	AD			570.000	12/96	.	570.0	570.0
801 WORKOVER	.00	65.00 M$G	4/2000	AD	PC	.00	65.000	4/ 0	.	65.0	65.0
802 SALVAGE	-24.00	.00 M$G	TO	LIFE			-24.000	9/13	.	-24.0	-24.0

RESERVE PARAMETERS		ITEM		ITEM
201 LOSS NO				
205 CUMO, MB	20.35	CUMG, MMF	49.25	CUML, MB
210 LOSS NO				

PROJECT ASSUMPTIONS

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

OTHER QUAL : CD

JAMES RANCH UNIT #73 DELAWARE
PREPARED BY: KENT ADAMS

DATE : 02/09/00
TIME : 13:49:30
DBS FILE : JRUPA
SETUP FILE : CD
SEQ NUMBER : 12

R E S E R V E S   A N D   E C O N O M I C S
EFFECTIVE DATE: 12/96

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	13.8 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	1.7	10.0	5.1	3.4	9.2	5.8	3.7	2.7	2.1	1.8	45.5	5.7	51.2
9) NET OIL, MB	1.5	8.8	4.5	2.9	8.0	5.1	3.2	2.4	1.9	1.5	39.8	5.0	44.8
10) OIL REVENUE, M$	31.6	174.1	60.9	53.9	192.7	100.7	59.1	40.9	32.2	26.6	772.7	85.3	858.0
11) OIL PRICE, $/B	21.35	19.83	13.52	18.34	24.03	19.76	18.29	17.27	17.22	17.22	19.40	17.22	19.16
GAS PHASE													
12) GROSS GAS, MMF	2.2	20.0	13.2	12.9	32.9	20.3	12.9	9.5	7.5	6.2	137.6	19.9	157.5
13) NET GAS, MMF	1.9	17.5	11.6	11.3	28.8	17.8	11.3	8.3	6.6	5.4	120.4	17.4	137.8
14) GAS REVENUE, M$	4.8	43.0	22.9	24.1	71.1	43.6	27.6	20.2	16.0	13.2	286.5	42.5	329.1
15) GAS PRICE, $/MCF	2.480	2.460	1.980	2.140	2.470	2.450	2.440	2.440	2.440	2.440	2.380	2.440	2.387
WATER PHASE													
16) GROSS WATER, MB	4.7	23.1	8.8	11.5	33.8	20.6	13.1	9.6	7.6	6.2	138.9	19.9	158.8
17) NET WATER, MB	4.7	23.1	8.8	11.5	33.8	20.6	13.1	9.6	7.6	6.2	138.9	19.9	158.8
18) WATER PRICE, $/B	.500	.500	.500	.500	.080	.080	.080	.080	.080	.080	.225	.080	.207
ECONOMICS, M$													
19) GROSS REV. TO INTR.	36.4	217.1	83.8	78.0	263.8	144.3	86.6	61.1	48.2	39.9	1059.2	127.8	1187.0
20) - SEV. TAX	2.6	15.7	6.1	5.7	19.3	10.6	6.4	4.5	3.5	2.9	77.4	9.4	86.8
22) - AD VALOREM TAX	.1	.3	.1	.1	.4	.2	.1	.1	.1	.1	1.7	.2	1.9
23) - OPERATING COSTS	1.6	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	174.4	89.6	264.0
24) - SWD	2.4	11.5	4.4	5.7	2.7	1.7	1.0	.8	.6	.5	31.3	1.6	32.9
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	29.8	170.3	54.0	47.2	222.2	112.6	59.9	36.6	24.8	17.2	774.4	27.0	801.4
29) - INVESTMENTS & RSK	570.0	.0	.0	.0	65.0	.0	.0	.0	.0	.0	635.0	-24.0	611.0
30) = BFIT NET	-540.2	170.3	54.0	47.2	157.2	112.6	59.9	36.6	24.8	17.2	139.4	51.0	190.4
PRESENT WORTH @ 10.00 %													
31) NET INCOME	29.6	160.7	46.1	36.5	155.3	71.3	34.3	18.9	11.6	7.3	571.6	9.5	581.1
32) INVESTMENTS & RISK	570.0	.0	.0	.0	46.6	.0	.0	.0	.0	.0	616.6	-6.1	610.5
33) BFIT NET	-540.4	160.7	46.1	36.5	108.8	71.3	34.3	18.9	11.6	7.3	-45.0	15.6	-29.4
34) CUM BFIT NET	-540.4	-379.7	-333.6	-297.1	-188.4	-117.1	-82.8	-63.9	-52.3	-45.0	-45.0	-29.4	-29.4

JAMES RANCH UNIT #73 DELAWARE
PREPARED BY: KENT ADAMS

DATE : 02/09/00
TIME : 13:49:30
DBS FILE : JRUPA
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A F T E R T A X E C O N O M I C S

EFFECTIVE DATE: 12/96

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	13.8 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.	36.4	217.1	83.8	78.0	263.8	144.3	86.6	61.1	48.2	39.9	1059.2	127.8	1187.0
5) - SEVERANCE TAX	2.6	15.7	6.1	5.7	19.3	10.6	6.4	4.5	3.5	2.9	77.4	9.4	86.8
6) - WPT TAX NET	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7) - OPR. COSTS & ATX	4.0	31.1	23.7	25.1	22.3	21.1	20.4	20.1	19.9	19.8	207.4	91.4	298.8
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	2.9	36.3	57.4	41.0	29.3	21.4	21.4	21.4	8.9	.0	240.0	.0	240.0
12) = NET	-303.1	134.0	-3.4	6.2	127.9	91.2	38.4	15.1	15.9	17.2	139.4	27.0	166.4
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	-303.1	134.0	-3.4	6.2	127.9	91.2	38.4	15.1	15.9	17.2	139.4	27.0	166.4
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.	-106.1	46.9	-1.2	2.2	44.8	31.9	13.5	5.3	5.6	6.0	48.8	9.5	58.3
20) REVENUE-SEV-WPT	33.8	201.4	77.7	72.3	244.5	133.7	80.3	56.6	44.7	36.9	981.8	118.4	1100.2
21) - OPR. COSTS & ATX	4.0	31.1	23.7	25.1	22.3	21.1	20.4	20.1	19.9	19.8	207.4	91.4	298.8
22) + NPI OWNED - PAID	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23) - F.I.T.	-106.1	46.9	-1.2	2.2	44.8	31.9	13.5	5.3	5.6	6.0	48.8	9.5	58.3
24) = A.F.I.T.	135.8	123.4	55.2	45.0	177.4	80.7	46.4	31.3	19.2	11.2	725.6	17.6	743.2
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	135.8	123.4	55.2	45.0	177.4	80.7	46.4	31.3	19.2	11.2	725.6	17.6	743.2
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	-434.2	123.4	55.2	45.0	112.4	80.7	46.4	31.3	19.2	11.2	90.6	41.6	132.2
PRESENT WORTH @ 10.00 %													
30) NET INCOME	135.3	116.4	47.1	34.8	124.0	51.1	26.6	16.2	9.0	4.7	565.2	6.2	571.4
31) INVESTMENTS & RISK	570.0	.0	.0	.0	46.6	.0	.0	.0	.0	.0	616.6	-6.1	610.5
32) A.F.I.T. NET	-434.7	116.4	47.1	34.8	77.5	51.1	26.6	16.2	9.0	4.7	-51.3	12.3	-39.1
33) CUM. A.F.I.T. NET	-434.7	-318.3	-271.2	-236.4	-158.9	-107.9	-81.3	-65.1	-56.1	-51.3	-51.3	-39.1	-39.1

JAMES RANCH UNIT #73 DELAWARE
PREPARED BY: KENT ADAMS

DATE : 02/09/00
TIME : 13:49:30
DBS FILE : JRUPA
SETUP FILE : CD
SEQ NUMBER : 12

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

AS OF DATE: 12/96

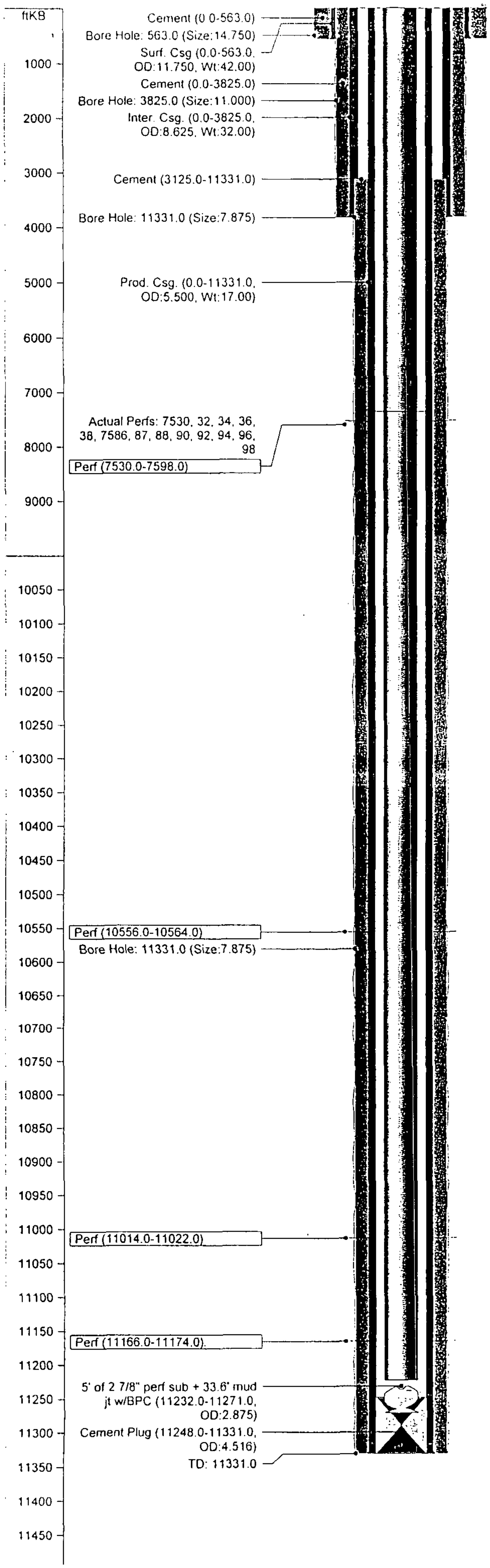
PRESENT WORTH PROFILE AND
RATE-OF-RETURN VS. BONUS TABLE

	B.F.I.T. WORTH M$------	A.F.I.T. WORTH M$------	A.F.I.T. BONUS M$------
0.	190.431	132.180	203.354
2.	135.445	89.211	131.666
5.	64.612	34.004	47.718
6.	43.648	17.692	24.475
8.	5.125	-12.257	-16.529
10.	-29.382	-39.062	-51.522
20.	-157.733	-138.762	-169.547
30.	-238.933	-202.110	-236.290
40.	-293.409	-244.952	-278.443
50.	-331.682	-275.348	-307.043
60.	-359.642	-297.790	-327.505
70.	-380.785	-314.945	-342.789
80.	-397.281	-328.470	-354.629
90.	-410.517	-339.430	-364.096
100.	-421.406	-348.528	-371.875
RATE OF RETURN, PCT.	8.3	7.2	
UNDISCOUNTED PAYOUT, YRS.	5.07	5.46	
DISCOUNTED PAYOUT, YRS.	13.75	13.75	
UNDISCOUNTED NET/INVEST.	1.31	1.22	
DISCOUNTED NET/INVEST.	.95	.94	

3001528979

JAMES RANCH UNIT #73

1/24/00



JAMES RANCH UNIT #73

API No.	3001528979	Status	ACT OIL
TD	11331.0 ftKB	Engineer	KAA
PBTD	11248.0 ftKB		
Operator	BEPCO	Permit	
Well No.	73	Spud	6/29/96
ID Code		RR	7/16/96
Field	LOS MEDANOS	Completion	8/2/96
Author	RAS	Last Act.	
Date Updated	7/23/98	Abandoned	
Comments	Drilled by Enron		

Location

Township	S023	Top Latitude	0
		Top Longitude	0
Range	E031	Top NS Distance	330.0 ft N
		Top EW Distance	1980.0 ft W
Section	6	Bottom Latitude	0
Unit Ltr.	C	Bottom Longitude	0
State	NEW MEXICO	Btm NS Distance	0.0 ft
County	EDDY	Btm EW Distance	0.0 ft

Elevations

KB	3311.0 ft	Cas Flng	0.0 ft
Grd	3298.0 ft	Tub Head	0.0 ft
KB-Grd	13.0 ft		

Casing String - Surface Casing

Item (in)	Top (ftKB)	Btm (ftKB)	Jnts	ID	Wt	Grd	Thd
11 3/4 in Surf. Csg	0.0	563.0		11.084	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	3825.0		7.921	32.00	J-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	1331.0		4.892	17.00	95&P1	LTC

Casing Cement

Casing String	Top (ftKB)	Amount (sx)	Comments
Surface Casing	0.0	310	
Intermediate Casing	0.0	1075	
Production Casing	3125.0	1000	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.	0.0	7357.0	224	2.441	6.50	N-80	8rd
5 1/2 in Baker TAC	7357.0	7360.0		2.875	0.00		
2 7/8 in Tbg.	7360.0	11223.0	121	2.441	6.50	N-80	8rd
2 7/8 in HF Mech. SN	11223.0	11224.0		0.000	0.00		

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

Date	Item	Int (ftKB)
7/16/96	Cement Plug	11248.0 - 11331.0

Perforations

Date	Int	Shots (/ft)	Status
7/31/96	11166.0 - 11174.0	4.0	
9/18/96	11014.0 - 11022.0	4.0	
11/22/96	10556.0 - 10564.0	2.0	
12/7/96	7530.0 - 7598.0	1.0	

Stimulations & Treatments

Date	Type	Interval	Fluid	Sand	Comments
8/1/96	Sand Frac	11166.0 - 11174.0			
9/24/96	Sand Frac	11014.0 - 11022.0			
12/8/96	Sand Frac	7530.0 - 7598.0			

Fish - FISH

Date	Item	Int (ftKB)	OD (in)	Comment
9/10/98	5' of 2 7/8" perf sub + 33.6' mud jt w/BP&C	11232.0 - 11271.0	2 7/8	

WELL HISTORY

WELL NAME: JAMES RANCH UNIT #73

FIELD NAME: LOS MEDANOS

LOCATION: 330' FNL, 1980' FWL, SEC 6, T23S, R31E, Unit C
Eddy County, New Mexico

ELEV: 3298' GL, 3311' KB

SPUD DATE: 6/29/96, RR 7/16/96

COMP DATE: 8/2/96

ORIG TD: 11,331'

ORIG PBTD: 11,248'

CASING: 11 ¾", H-40, 42#, STC CSA 563', Cmt w/310 sxs, circ. 14 3/4" hole 0-563'.
8 5/8", J-55, 32#, STC CSA 3825', Cmt w/1075 sxs, circ. 11" hole 0-3825'.
5 ½", CF95 & P110, 17#, LTC CSA 11,331', cmt w/1000 sxs, 7 7/8" hole 0-11,331',

TUBING: 2 7/8", N-80, 6.5#, 8rd EUE

DST: None

CORES & LOGS: GR-DSN-SDL 300-11,324'
GR-HRI-DFL 3800-11,331'.

INITIAL COMPLETION

7/31/96 to 8/8/96 **PERF & FRAC 11,166-11174' (WOLFCAMP)**
Tag PBTD @ 11,248'. Run correlation log.

7/31/96 **Perf:** 11,166-11,174' (Wolfcamp) w/4SPF, 0° phased. **Frac** w/56,000 gals Spectra Frac G 3000 & G3500, 242,000# 20/40 Ottawa sd + 48,000# 20/40 SB Ultra RCS. Flow back well to tank. RIH w/2 7/8" tbg. Swabbed well. Placed well on prod, flowing to battery.
IP 8/10/96 F 92 BO, 73 MCFG, 50 BW on 28/64" ck.

WORKOVER

8/22/96 Ran BHP test.

9/12/96 Ran RA tracer log.

9/17/96 to 10/25/96 **PERF & FRAC 11,014-11,022' (THIRD BONE SPRING)**
Set CIBP @ 11,130'.

9/18/97 **Perf:** 11,014-11,022' (Third Bone Spring) w/4 JSPF, 60° phased. Ran CCL log. Do step rate test. **Frac** 11,014-11,022 w/45,000 gals Spectra Frac G-3000 & G-3500 + 264,000# 20/40 Ottawa Sd + 60,000# Acme 20/40 SB Ultra. SI. Tag sand fill @ 8465'(2557' sand over perfs). Washed sand from 8465' to 11,000'(perfs @ 11,014-11,022), well started to flow. Flowed well down, circ hole clean to PBTD CIPB @ 11,130'. Flowed and swabbed well. Left well flowing to tanks. Well died. Swabbed well. RIH w/tbg, rods & pump. Put well on pump.
AWO: 10/26/96, 47 BO, 52 BLW + 101 MCF.

Well History
James Ranch Unit #73

11/21/96 to 11/26/96 **PERF & ACIDIZE 10,556-10,564' (BONE SPRING)**
Set CIBP @ 10,665'. Run CCL-CBL.

11/22/96 **Perf** 10,556-10,564' (Bone Sprin) w/2JSPF, 90o phased. **Acidize** w/1500 gals 20% HCl + 32 BS. BOP 5000 psi, 3 BPM, mas tp 5800 PSI, No ball action. Avg TP 5400 psi, avg rate 4.4 BPM. ISDP 4000 psi, 5 min 3850 psi, 10 min 3900 psi, 15 min 3850 psi. Swabbbed and flowed well, recovered all load. RIH w/tbg, rods & pump. Place well on prod.
AWO: 11/29/96 P 30 BO, 12 BW & 56 MCF.

12/6/96 to 12/19/96 **PERF & FRAC 7530, 32, 34, 36,38, 7586, 87, 88, 90, 92, 94, 96, 98'(DELAWARE).**
Set CIBP @ 7550'.

12/7/96 **Perf** 7530, 32, 34, 36, 38, 38, 7586, 87, 88, 90, 92, 94, 96, 98 w/1SPF. Acid w/250 gals. 7 ½% Fercheck SC acid. **Frac** w/28,000 gals Delta Frac 25 + 95,000# of 20/40 brown sand + 24,000# 16/30 bronw sand w/0.5% prop wrap. Flowed & swabbed. RIH w/tbg, rods & pump. Place well on prod.
AWO: 12/24/96 111 BO, 156 BLW, 106 MCF.

1/23/97 to 1/25/97 Fish tbg & CO sand. Return to production.

2/3/97 Rod job

2/20/97 to 2/28/97 **DO 3 CIBP'S & COMMINGLE ALL ZONES**
DO CIBP @ 7816', CIBP @ 10,665, DO CIBP @ 11,130', Tag PBTD @ 11,248'. RIH w/tbg, rods & pump (SN @ 11062', EOT @ 11098').

1/21/98 TO 2/2/98 **SHEAR TOOL FAILURE**
Found shear tool sheared, attempted to fish pump. Unable to catch fish. POH w/tbg. RIH w/tbg, pump & rods. Place well on prod.

8/28/98 TO 9/12/98 **FISH RODS & TBG. (FISH LEFT IN HOLE)**
Found well with horses head thrown off, wellhead assembly ruined and polished rod & liner bent. Attempt to fish rods, caught rods and while pulling on rods, busted rod hook and rods fell and caught on elevator @ rod stripper. Fished rods, recovered pump. POH w/tbg, found bottom x-over on TAC parted. Attempt to fish. Ran freepoint, unable to get below 10,600' due to corkscrewed tbg. Found tbg free @ 10,560'. Fished tbg, leaving 5' of 2 7/8" perf sub + 33.66' mud jt w/BP&C in hole as fish. Tagged top of fish @ 11,232'. RIH w/tbg, pump and rods. Place well on prod.

RAS 01/24/00

DISTRICT I
P. O. Box 1980
Hobbs, NM 88241-1980

DISTRICT II
P. O. Drawer DD
Artesia, NM 88211-0719

DISTRICT III
1000 Rio Brazos Rd.
Aztec, NM 87410

DISTRICT IV
P. O. Box 2088
Santa Fe, NM 87507-2088

State of New Mexico
Energy, Minerals, and Natural Resources Department

Form C-102
Revised [illegible]
Instructions on back

Submit to the Appropriate District Office
State Lease - 4 copies
Fee Lease - 3 copies

OIL CONSERVATION DIVISION

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

[1] API Number	[2] Pool Code	[3] Pool Name
30 015 28979	40295	Los Medanos Bone Spring

[4] Property Code	[5] Property Name	[6] Well Number
4060	JAMES RANCH UNIT	73

[7] OGRID No.	[8] Operator Name	[9] Elevation
7377	ENRON OIL & GAS COMPANY	3313'

[10] SURFACE LOCATION

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	6	23 SOUTH	31 EAST, N.M.P.M.		330'	NORTH	1980'	WEST	EDDY

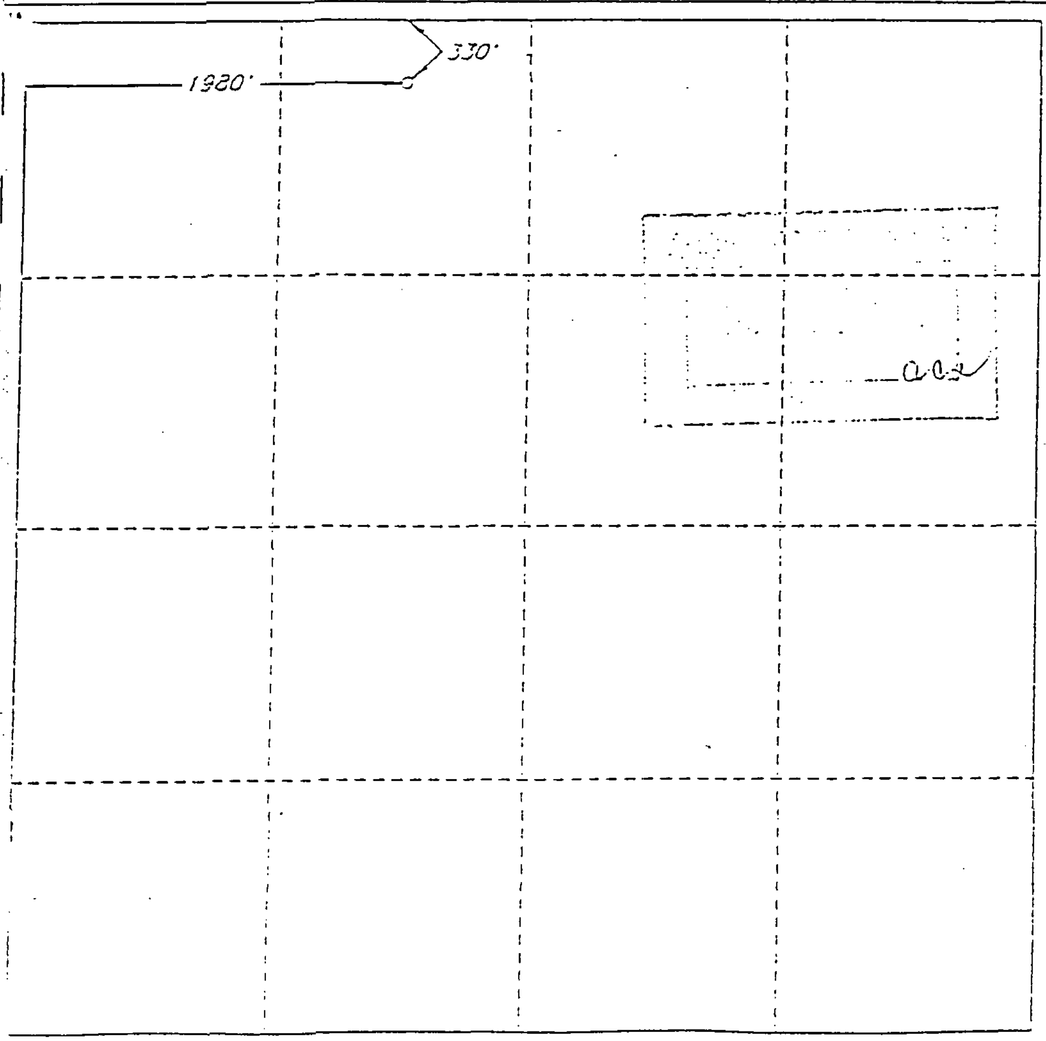
[11] BOTTOM HOLE LOCATION IF DIFFERENT FROM SURFACE

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
40			

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

[16]



OPERATOR CERTIFICATION

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

Signature
Betty Gildon

Printed Name
Betty Gildon

Title
Regulatory Analyst

Date
10/28/96

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 belief.

Date of Survey
FEBRUARY 8, 1996

Signature & Seal of Professional Surveyor

STATE OF NEW MEXICO
V. LYNN BEZNER
NO. 7920

Certificate No.
V. L. BEZNER R.P.S. #7920

JOB #[illegible] / V.H.B.

Form 3160-4 (July 1992)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

OPERATOR'S COPY

FORM APPROVED

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL [X] GAS WELL [ ] DRY [ ] Other

b. TYPE OF COMPLETION: NEW WELL [ ] WORK OVER [ ] DEEP-EN [ ] PLUG BACK [X] DIFF. RESVR. [ ] Other

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

2. NAME OF OPERATOR: Enron Oil & Gas Company

8. FARM OR LEASE NAME, WELL NO.: James Ranch Unit #73

3. ADDRESS AND TELEPHONE NO.: P. O. Box 2267, Midland, Texas 79702 (915) 686-3714

9. API WELL NO.: 30 015 28979

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

At surface: 330' FNL & 1980' FWL

At top prod. interval reported below: 330' FNL & 1980' FWL

At total depth: 330' FNL & 1980' FWL

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

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

14. PERMIT NO.:

DATE ISSUED: 11/5/96

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
9-16-96	9-16-96	10-23-96	3313' GR	3313'

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
11331	10665			X	

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*: 11014-11022 (Bone Spring)

25. WAS DIRECTIONAL SURVEY MADE

26. TYPE ELECTRIC AND OTHER LOGS RUN: None

27. WAS WELL CORED

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 H-40 ST&C	40.6	563	17-1/2	310 sx Prem	CIRCULATED
8-5/8 J-55 ST&C	32	3825	12-1/4	1075 sx Prem Plus	CIRCULATED
5-1/2 CF-95 & P-110 LT&C	17	11331	7-7/8	1000 sx Prem 50/50 Poz	TOC 3125

29. LINER RECORD

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

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-7/8"	10914'	

31. PERFORATION RECORD (Interval, size and number)

11014-11022 (.36" 33)

ACCEPTED FOR RECORD
JAN 0 8 1997
BLM

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
11014-11022	45,000 gals Spectra Frac G-3500 & G-3000 with 264,000# Ottawa sand and 60,000# Acme 20-40 SB Ultra

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)
10-24-96	Pumping (2-1/2" x 1-1/4" x 30' x 32' pump)	Producing

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
10-26-96	24	-		47	101	52	2149

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
90	50					39.0

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

TEST WITNESSED BY

35. LIST OF ATTACHMENTS: None

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

SIGNED Betty Gildon TITLE Regulatory Analyst DATE 12/2/96

*(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.

WORKSHEET FOR COMMERCIAL DETERMINATION AND PARTICIPATING AREA IN FEDERAL UNITS

WELL DATA

WELL JAMES RANCH UNIT NO. 73 FORMATION BONE SPRING

LOCATION C UNIT, 330 FEET FROM N LINE & 1980 FEET FROM W LINE

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

SPUD DATE 6/29/96 COMPLETION DATE 9/28/96 INITIAL PRODUCTION 9/28/96

PERFORATIONS 10,556-10,564' & 11,014-11,022'

STIMULATION:

ACID PERFS 10,556-10,564' - 500 GALS 20% HCL & 32 BALL SEALERS.

FRACTURE PERFS 11,014-11,022' - 45,000 GALS SPECTRA FRAC G-3500 & G-3000, 264,000# 20/40 OTTAWA SAND, & 60,000# ACME 20/40 SB ULTRA.

POTENTIAL PERFS 11,014-11,022' (10/26/96) 47 BOPD, 52 BWPD, 101 MCFPD. PERFS 10,556-10,564' (12/5/96) 28 BOPD, 25 BWPD, 73 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%	10.4%		
Water saturation (Sw), %	50%	36%		
Net Thickness (h), ft.	12	4		
Temperature (T), Fahrenheit	170	145		
Bottom Hole pressure (P), psia	5,826	5,702		
Recovery factor (RF), %	17%	27%		
Recoverable oil, BBLS *(See eq. below)	27,131	15,934		

*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	11/1/99 ; 8,525 BBLS
INITIAL RATE (qi)	100
ECONOMIC LIMIT (ql)	30
DECLINE RATE, dy	Hyperbolic d = 20.32%n = .98
REMAINING OIL (Q) =	2,675
ULTIMATE RECOVERABLE OIL	11,200

(Attach plat showing proration unit and participating area.)

ECONOMIC

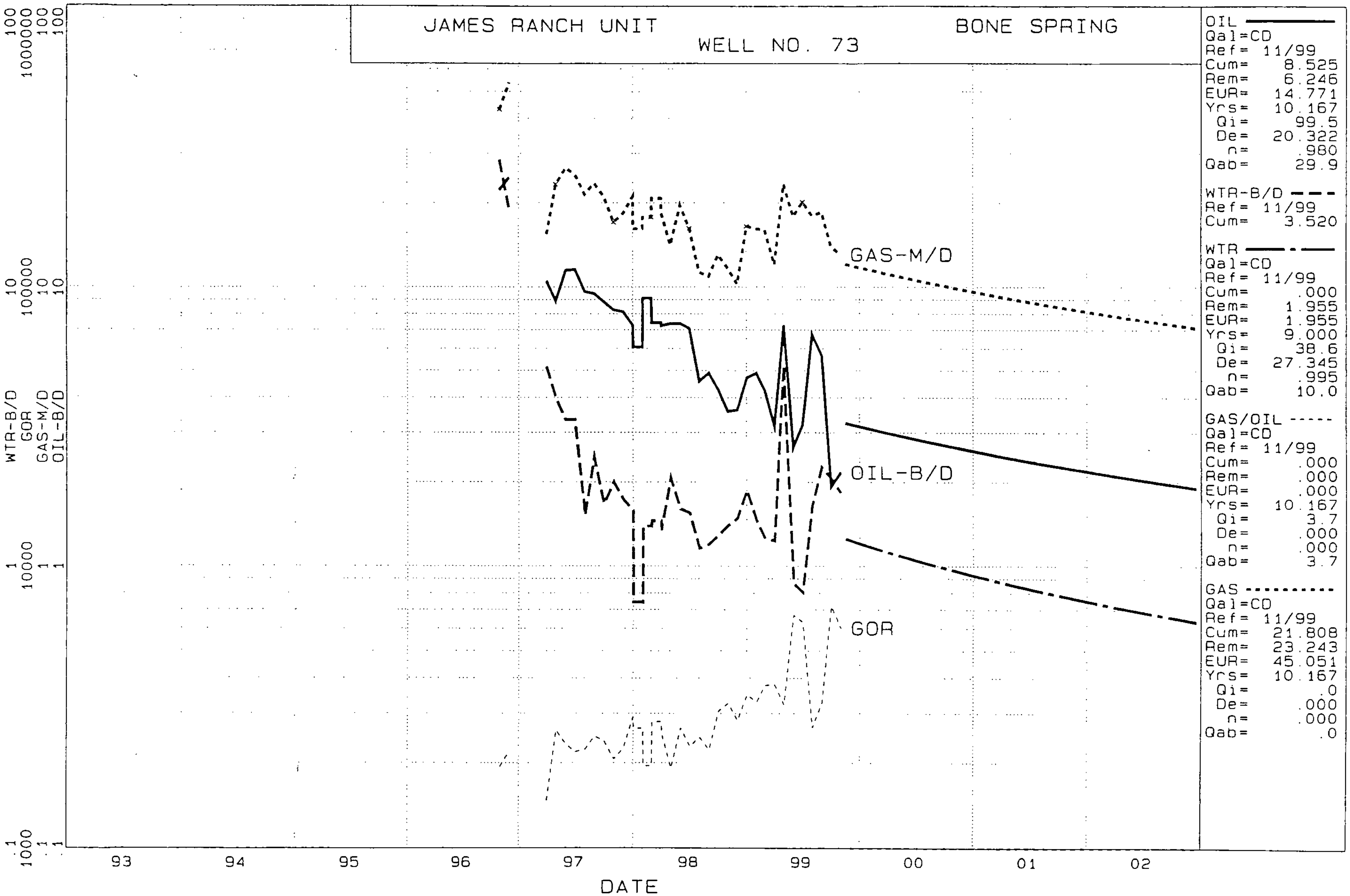
WELL COST $ 825,000 (to the depth of formation completed)

RECOMPLETION COST $ 15,000

TOTAL COST $ 840,000

YEAR	GROSS OIL	REVENUE	OPERATING COST	10% NET BFIT DISCOUNTED CASH FLOW
ZERO	0	0	0	-840,000
1	1,400	33,100	6,100	26,700
2	2,900	63,900	19,000	41,600
3	2,500	40,300	17,300	19,300
4	1,600	37,400	17,100	15,400
5	1,000	29,200	16,400	8,700
6	900	21,900	15,900	3,700
7	700	17,800	15,600	1,200
8	200	3,900	3,900	0
9				
10				
REMAINDER				

WELL IS NOT COMMERCIAL


JAMES RANCH UNIT
WELL NO. 73
BONE SPRING
WTR-B/D
GOR
GAS-M/D
OIL-B/D
100 1000000 100 100
10 100000 10 10
1 10000 1 1
.1 1000 .1 .1
GAS-M/D
OIL-B/D
GOR
93 94 95 96 97 98 99 00 01 02
DATE
OIL
Qal=CD
Ref= 11/99
Cum= 8.525
Rem= 6.246
EUR= 14.771
Yrs= 10.167
Qi= 99.5
De= 20.322
n= .980
Qab= 29.9
WTR-B/D
Ref= 11/99
Cum= 3.520
WTR
Qal=CD
Ref= 11/99
Cum= .000
Rem= 1.955
EUR= 1.955
Yrs= 9.000
Qi= 38.6
De= 27.345
n= .995
Qab= 10.0
GAS/OIL
Qal=CD
Ref= 11/99
Cum= .000
Rem= .000
EUR= .000
Yrs= 10.167
Qi= 3.7
De= .000
n= .000
Qab= 3.7
GAS
Qal=CD
Ref= 11/99
Cum= 21.808
Rem= 23.243
EUR= 45.051
Yrs= 10.167
Qi= .0
De= .000
n= .000
Qab= .0

JAMES RANCH UNIT # 73 BONE SPRIN

DATE : 02/07/00
TIME : 13:40:51
DBS FILE : JRUPA
SETUP FILE : CD
SEQ NUMBER : 43

	INPUT DATA							CALCULATED DATA				
ITEM	SCHEDULING RATES			SCHEDULE UNTIL		PROCEDURE		ULTIMATE	LAST	EFF. DECL	INIT. RATE	FINAL RATE
405 START	11/99											
410 OIL	99.46	X	B/M	6.25	IMU	H/0.980	20.32	14.771	12/09	20.32	99.	30.
415 GAS/OIL	3.72	3.72	M/B	01/2097	AD	LIN	TIME		12/96			
420 WTR	38.63	X	B/M	1.96	IMU	H/0.995	27.34	1.955	10/08	27.35	39.	10.
425 START	10/96											
516 PRI/OIL	16.8800	X	$/B	1/95	MM/YY	PC	.00		12/09		16.880	
517 "	18.39	X	$/B	1/96	AD	PC	.00		12/09		18.390	
518 "	22.26	X	$/B	1/97	AD	PC	.00		12/09		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		12/09		18.130	18.130
531 PRI/GAS	1.8900	X	$/M	1/95	MM/YY	PC	.00		12/09		1.890	
532 "	1.94	X	$/M	1/96	AD	PC	.00		9/96		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		12/09		2.570	2.570
544 OPC/T	1190.00	X	$/M	TO	LIFE	SCH	OPC		12/09		1190.000	1190.000
549 STX/OIL	7.08	X	%	TO	LIFE	PC	.00		12/09		.071	.071
554 STX/GAS	7.93	X	%	TO	LIFE	PC	.00		12/09		.079	.079
559 ATX	.17	X	%	TO	LIFE	PC	.00		12/09		.002	.002
564 PRI/OIL	-.9100	-.9100	$/B	TO	LIFE	PC	.00		12/09		-.910	18.130
569 PRI/GAS	-.1300	-.1300	$/M	TO	LIFE	PC	.00		12/09		-.130	2.570
700 LSE/WI	100.0000	D	%	TO	LIFE	FLAT	.00		12/09		1.000	1.000
701 OWN/WI	100.0000	D	%	TO	LIFE	FLAT	.00		12/09		1.000	1.000
720 LSE/RIC	12.5000	D	%	TO	LIFE	FLAT	.00		12/09		.125	.125
721 OWN/RI	.0000	D	%	TO	LIFE	FLAT	.00		12/09			
740 LSE/RIG	12.5000	D	%	TO	LIFE	FLAT	.00		12/09		.125	.125
760 LSE/ORR	.0000	D	%	TO	LIFE	FLAT	.00		12/09			
761 OWN/ORR	.0000	D	%	TO	LIFE	FLAT	.00		12/09			

OVERLAYS	SCHEDULING RATES	SCHEDULE UNTIL	PROCEDURE	ULTIMATE	LAST	EFF. DECL	INIT. RATE	FINAL RATE
905 LOAD	P.OIL OIL #			8.590	2/00			
910 LOAD	P.GAS GAS #			22.199	2/00			
915 LOAD	P.WATER WTR #			3.520	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$G	10/96	AD		825.000	10/96	.	825.0	825.0
801 WORKOVER	.00	15.00 M$G	12/96	AD		15.000	12/96	.	15.0	15.0
802 SALVAGE	-33.00	.00 M$G	TO	LIFE		-33.000	12/ 9	.	-33.0	-33.0

RESERVE PARAMETERS		ITEM		ITEM
201 LOSS	NO			
205 CUMO, MB	8.52	CUMG, MMF	21.81	CUML, MB

PROJECT ASSUMPTIONS

BASE DATE : 10/96 TIME FRAMES : 1*3 38*12 1*600
P.W. DATE : 10/96 PW %-AGE : 10.0 DISC. FREQUENCY : 365.
REPORT DATE : 10/96 PROD QUAL : CD OWNER QUAL : CD OTHER QUAL : CD

JAMES RANCH UNIT # 73 BONE SPRIN

DATE : 02/07/00
TIME : 13:40:51
DBS FILE : JRUPA
SETUP FILE : CD
SEQ NUMBER : 43

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

EFFECTIVE DATE: 10/96

PERIOD ENDING	12/96	12/97	12/98	12/99	12/00	12/01	12/02	12/03	6.5 YR TOTAL
OWNERSHIP									
1) WORKING INTEREST, %	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
INVESTMENTS, M$									
3) BORROWED CAPITAL	.0	.0	.0	.0	.0	.0	.0	.0	.0
4) EQUITY INVESTMENTS	840.0	.0	.0	.0	.0	.0	.0	-33.0	807.0
5) RISK	.0	.0	.0	.0	.0	.0	.0	.0	.0
7) TOTAL	840.0	.0	.0	.0	.0	.0	.0	-33.0	807.0
OIL PHASE									
8) GROSS OIL, MB	1.4	2.9	2.5	1.6	1.0	.9	.7	.2	11.2
9) NET OIL, MB	1.2	2.5	2.2	1.4	.9	.8	.7	.1	9.8
10) OIL REVENUE, M$	26.7	49.9	29.8	26.4	20.5	15.0	11.9	2.6	182.7
11) OIL PRICE, $/B	21.35	19.83	13.52	18.34	24.03	19.76	18.29	17.27	18.61
GAS PHASE									
12) GROSS GAS, MMF	2.9	6.5	6.0	5.9	4.0	3.2	2.8	.6	32.0
13) NET GAS, MMF	2.6	5.7	5.3	5.1	3.5	2.8	2.4	.6	28.0
14) GAS REVENUE, M$	6.4	14.0	10.5	11.0	8.6	6.9	5.9	1.4	64.7
15) GAS PRICE, $/MCF	2.480	2.460	1.980	2.140	2.470	2.450	2.440	2.440	2.311
WATER PHASE									
16) GROSS WATER, MB	1.5	.8	.5	.6	.1	.0	.0	.0	3.5
17) NET WATER, MB	1.5	.8	.5	.6	.1	.0	.0	.0	3.5
18) WATER PRICE, $/B	.000	.000	.000	.000	.000	.000	.000	.000	.000
ECONOMICS, M$									
19) GROSS REV. TO INTR.	33.1	63.9	40.3	37.4	29.2	21.9	17.8	3.9	247.4
20) - SEV. TAX	2.4	4.6	2.9	2.7	2.1	1.6	1.3	.3	18.1
22) - AD VALOREM TAX	.1	.1	.1	.1	.0	.0	.0	.0	.4
23) - OPERATING COSTS	3.6	14.3	14.3	14.3	14.3	14.3	14.3	3.6	92.8
24) - SWD	.0	.0	.0	.0	.0	.0	.0	.0	.0
25) - CAPITAL REPAYMENT	.0	.0	.0	.0	.0	.0	.0	.0	.0
26) - INTEREST PAID	.0	.0	.0	.0	.0	.0	.0	.0	.0
27) + NPI OWNED - PAID	.0	.0	.0	.0	.0	.0	.0	.0	.0
28) = NET INCOME	27.0	44.9	23.0	20.3	12.7	6.0	2.2	.1	136.1
29) - INVESTMENTS & RSK	840.0	.0	.0	.0	.0	.0	.0	-33.0	807.0
30) = BFIT NET	-813.0	44.9	23.0	20.3	12.7	6.0	2.2	33.1	-670.9
PRESENT WORTH @ 10.00 %									
31) NET INCOME	26.7	41.6	19.3	15.4	8.7	3.7	1.2	.0	116.8
32) INVESTMENTS & RISK	839.8	.0	.0	.0	.0	.0	.0	-17.4	822.4
33) BFIT NET	-813.0	41.6	19.3	15.4	8.7	3.7	1.2	17.4	-705.6
34) CUM BFIT NET	-813.0	-771.4	-752.1	-736.7	-727.9	-724.2	-723.0	-705.6	-705.6

JAMES RANCH UNIT # 73 BONE SPRIN

DATE : 02/07/00
TIME : 13:40:51
DBS FILE : JRUPA
SETUP FILE : CD
SEQ NUMBER : 43

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

EFFECTIVE DATE: 10/96

PERIOD ENDING	12/96	12/97	12/98	12/99	12/00	12/01	12/02	12/03	6.5 YR TOTAL
TAX TREATMENT OF INVESTMENTS, M$									
1) EXP, RISK & CAP INT	510.0	.0	.0	.0	.0	.0	.0	.0	510.0
2) DEPLETABLE	.0	.0	.0	.0	.0	.0	.0	.0	.0
3) DEPRECIABLE	330.0	.0	.0	.0	.0	.0	.0	-33.0	297.0
TAX CALCULATIONS, M$									
4) GROSS REV. TO INTR.	33.1	63.9	40.3	37.4	29.2	21.9	17.8	3.9	247.4
5) - SEVERANCE TAX	2.4	4.6	2.9	2.7	2.1	1.6	1.3	.3	18.1
6) - WPT TAX NET	.0	.0	.0	.0	.0	.0	.0	.0	.0
7) - OPR. COSTS & ATX	3.6	14.4	14.3	14.3	14.3	14.3	14.3	3.6	93.2
8) + NPI OWNED - PAID	.0	.0	.0	.0	.0	.0	.0	.0	.0
9) - OVERHEAD	.0	.0	.0	.0	.0	.0	.0	.0	.0
10) - EXPENSED INV.	510.0	.0	.0	.0	.0	.0	.0	.0	510.0
11) - DEPRECIATION	11.8	55.5	75.0	53.6	38.3	29.5	29.5	36.8	330.0
12) = NET	-494.7	-10.7	-52.1	-33.3	-25.6	-23.5	-27.3	-36.8	-703.9
13) - DEPLETION	.0	.0	.0	.0	.0	.0	.0	.0	.0
14) - INTEREST PD & CAP	.0	.0	.0	.0	.0	.0	.0	.0	.0
15) = TAXABLE	-494.7	-10.7	-52.1	-33.3	-25.6	-23.5	-27.3	-36.8	-703.9
16) * TAX RATE, %	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
18) - WPT REFUND	.0	.0	.0	.0	.0	.0	.0	.0	.0
19) = F.I.T.	-173.2	-3.7	-18.2	-11.7	-9.0	-8.2	-9.6	-12.9	-246.4
20) REVENUE-SEV-WPT	30.7	59.2	37.3	34.6	27.0	20.3	16.5	3.6	229.3
21) - OPR. COSTS & ATX	3.6	14.4	14.3	14.3	14.3	14.3	14.3	3.6	93.2
22) + NPI OWNED - PAID	.0	.0	.0	.0	.0	.0	.0	.0	.0
23) - F.I.T.	-173.2	-3.7	-18.2	-11.7	-9.0	-8.2	-9.6	-12.9	-246.4
24) = A.F.I.T.	200.2	48.6	41.2	32.0	21.6	14.2	11.7	12.9	382.5
25) - LOAN REPAYMENT	.0	.0	.0	.0	.0	.0	.0	.0	.0
26) - INTEREST PAID	.0	.0	.0	.0	.0	.0	.0	.0	.0
27) = NET INCOME	200.2	48.6	41.2	32.0	21.6	14.2	11.7	12.9	382.5
28) - INVESTMENTS & RSK	840.0	.0	.0	.0	.0	.0	.0	-33.0	807.0
29) = A.F.I.T. NET	-639.8	48.6	41.2	32.0	21.6	14.2	11.7	45.9	-424.5
PRESENT WORTH @ 10.00 %									
30) NET INCOME	197.7	45.1	34.6	24.3	14.9	8.8	6.6	6.8	338.9
31) INVESTMENTS & RISK	839.8	.0	.0	.0	.0	.0	.0	-17.4	822.4
32) A.F.I.T. NET	-642.0	45.1	34.6	24.3	14.9	8.8	6.6	24.2	-483.5
33) CUM. A.F.I.T. NET	-642.0	-596.9	-562.3	-538.0	-523.1	-514.3	-507.7	-483.5	-483.5

JAMES RANCH UNIT # 73 BONE SPRIN

DATE : 02/07/00
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DBS FILE : JRUPA
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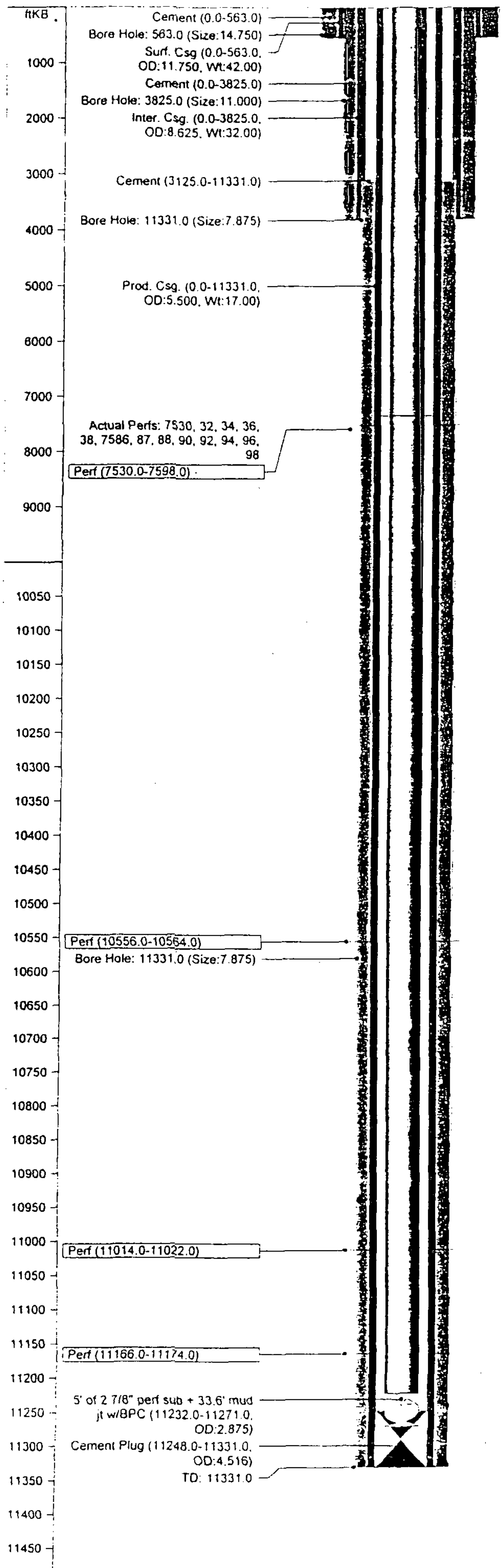
E C O N O M I C   I N D I C A T O R S

AS OF DATE: 10/96

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.	-670.887	-424.527	-653.118
2.	-679.125	-438.472	-659.663
5.	-690.157	-457.196	-667.559
6.	-693.517	-462.913	-669.767
8.	-699.812	-473.638	-673.654
10.	-705.586	-483.498	-676.935
20.	-728.302	-522.532	-687.144
30.	-743.862	-549.575	-691.625
40.	-755.009	-569.193	-693.642
50.	-763.334	-584.058	-694.630
60.	-769.783	-595.771	-695.236
70.	-774.936	-605.317	-695.746
80.	-779.160	-613.319	-696.285
90.	-782.693	-620.184	-696.896
100.	-785.698	-626.187	-697.592
RATE OF RETURN, PCT.	.0	.0	
UNDISCOUNTED PAYOUT, YRS.	6.50	6.50	
DISCOUNTED PAYOUT, YRS.	6.50	6.50	
UNDISCOUNTED NET/INVEST.	.17	.47	
DISCOUNTED NET/INVEST.	.14	.41	

JAMES RANCH UNIT #73



JAMES RANCH UNIT #73			
API No.	3001528979	Status	ACT OIL
TD	11331.0 ftKB	Engineer	KAA
PBTD	11248.0 ftKB		
Operator	BEPCO	Permit	
Well No.	73	Spud	6/29/96
ID Code		RR	7/16/96
Field	LOS MEDANOS	Completion	8/2/96
Author	RAS	Last Act.	
Date Updated	7/23/98	Abandoned	
Comments	Drilled by Enron		

Location

Township	S023	Top Latitude	0
		Top Longitude	0
Range	E031	Top NS Distance	330.0 ft N
		Top EW Distance	1980.0 ft W
Section	6	Bottom Latitude	0
Unit Ltr.	C	Bottom Longitude	0
State	NEW MEXICO	Btm NS Distance	0.0 ft
County	EDDY	Btm EW Distance	0.0 ft

Elevations

KB	3311.0 ft	Cas Flng	0.0 ft
Grd	3298.0 ft	Tub Head	0.0 ft
KB-Grd	13.0 ft		

Casing String - Surface Casing

Item (in)	Top (ftKB)	Btm (ftKB)	Jnts	ID	Wt	Grd	Thd
11 3/4 in Surf. Csg	0.0	563.0		11.084	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	3825.0		7.921	32.00	J-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	1331.0		4.892	17.00	-95&P1	LTC

Casing Cement

Casing String	Top (ftKB)	Amount (sx)	Comments
Surface Casing	0.0	310	
Intermediate Casing	0.0	1075	
Production Casing	3125.0	1000	TOC by Temp Survey

Tubing String - Primary Tubing

Item	Top (ftKB)	Btm (ftKB)	Jnts	ID (in)	Wt	Grd	Thd
2 7/8 in Tbg.	0.0	7357.0	224	2.441	6.50	N-80	8rd
5 1/2 in Baker TAC	7357.0	7360.0		2.875	0.00		
2 7/8 in Tbg.	7360.0	11223.0	121	2.441	6.50	N-80	8rd
2 7/8 in HF Mech. SN	11223.0	11224.0		0.000	0.00		

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

Date	Item	Int (ftKB)
7/16/96	Cement Plug	11248.0 - 11331.0

Perforations

Date	Int	Shots (/ft)	Status
7/31/96	11166.0 - 11174.0	4.0	
9/18/96	11014.0 - 11022.0	4.0	
11/22/96	10556.0 - 10564.0	2.0	
12/7/96	7530.0 - 7598.0	1.0	

Stimulations & Treatments

Date	Type	Interval	Fluid	Sand	Comments
8/1/96	Sand Frac	11166.0 - 11174.0			
9/24/96	Sand Frac	11014.0 - 11022.0			
12/8/96	Sand Frac	7530.0 - 7598.0			

Fish - FISH

Date	Item	Int (ftKB)	OD (in)	Comment
9/10/98	5' of 2 7/8" perf sub + 33.6' mud jt w/BP&C	11232.0 - 11271.0	2 7/8	

WELL HISTORY

WELL NAME:	JAMES RANCH UNIT #73
FIELD NAME:	LOS MEDANOS
LOCATION:	330' FNL, 1980' FWL, SEC 6, T23S, R31E, Unit C Eddy County, New Mexico
ELEV:	3298' GL, 3311' KB
SPUD DATE:	6/29/96, RR 7/16/96
COMP DATE:	8/2/96
ORIG TD:	11,331'
ORIG PBTD:	11,248'
CASING:	11 ¾", H-40, 42#, STC CSA 563', Cmt w/310 sxs, circ. 14 3/4" hole 0-563'. 8 5/8", J-55, 32#, STC CSA 3825', Cmt w/1075 sxs, circ. 11" hole 0-3825'. 5 ½", CF95 & P110, 17#, LTC CSA 11,331', cmt w/1000 sxs, 7 7/8" hole 0-11,331',
TUBING:	2 7/8", N-80, 6.5#, 8rd EUE
DST:	None
CORES & LOGS:	GR-DSN-SDL 300-11,324' GR-HRI-DFL 3800-11,331'.

INITIAL COMPLETION

7/31/96 to 8/8/96 **PERF & FRAC 11,166-11174' (WOLFCAMP)**

Tag PBTD @ 11,248'. Run correlation log.

7/31/96 **Perf:** 11,166-11,174' (Wolfcamp) w/4SPF, 0° phased. **Frac** w/56,000 gals Spectra Frac G 3000 & G3500, 242,000# 20/40 Ottawa sd + 48,000# 20/40 SB Ultra RCS. Flow back well to tank. RIH w/2 7/8" tbg. Swabbed well. Placed well on prod, flowing to battery.
IP 8/10/96 F 92 BO, 73 MCFG, 50 BW on 28/64" ck.

WORKOVER

8/22/96 Ran BHP test.

9/12/96 Ran RA tracer log.

9/17/96 to 10/25/96 **PERF & FRAC 11,014-11,022' (THIRD BONE SPRING)**

Set CIBP @ 11,130'.

9/18/97 **Perf:** 11,014-11,022' (Third Bone Spring) w/4 JSPF, 60° phased. Ran CCL log. Do step rate test. **Frac** 11,014-11,022 w/45,000 gals Spectra Frac G-3000 & G-3500 + 264,000# 20/40 Ottawa Sd + 60,000# Acme 20/40 SB Ultra. SI. Tag sand fill @ 8465'(2557' sand over perfs). Washed sand from 8465' to 11,000'(perfs @ 11,014-11,022), well started to flow. Flowed well down, circ hole clean to PBTD CIPB @ 11,130'. Flowed and swabbed well. Left well flowing to tanks. Well died. Swabbed well. RIH w/tbg, rods & pump. Put well on pump.
AWO: 10/26/96, 47 BO, 52 BLW + 101 MCF.

Well History
James Ranch Unit #73

11/21/96 to 11/26/96 **PERF & ACIDIZE 10,556-10,564' (BONE SPRING)**
Set CIBP @ 10,665'. Run CCL-CBL.

11/22/96 **Perf** 10,556-10,564' (Bone Sprin) w/2JSPF, 90o phased. **Acidize** w/1500 gals 20% HCl + 32 BS. BOP 5000 psi, 3 BPM, mas tp 5800 PSI, No ball action. Avg TP 5400 psi, avg rate 4.4 BPM. ISDP 4000 psi, 5 min 3850 psi, 10 min 3900 psi, 15 min 3850 psi. Swabbbed and flowed well, recovered all load. RIH w/tbg, rods & pump. Place well on prod.
AWO: 11/29/96 P 30 BO, 12 BW & 56 MCF.

12/6/96 to 12/19/96 **PERF & FRAC 7530, 32, 34, 36,38, 7586, 87, 88, 90, 92, 94, 96, 98'(DELAWARE).**
Set CIBP @ 7550'.

12/7/96 **Perf** 7530, 32, 34, 36, 38, 38, 7586, 87, 88, 90, 92, 94, 96, 98 w/1SPF. Acid w/250 gals. 7 ½% Fercheck SC acid. **Frac** w/28,000 gals Delta Frac 25 + 65,000# of 20/40 brown sand + 24,000# 16/30 bronw sand w/0.5% prop wrap. Flowed & swabbed. RIH w/tbg, rods & pump. Place well on prod.
AWO: 12/24/96 111 BO, 156 BLW, 106 MCF.

1/23/97 to 1/25/97 Fish tbg & CO sand. Return to production.

2/3/97 Rod job

2/20/97 to 2/28/97 **DO 3 CIBP'S & COMMINGLE ALL ZONES**
DO CIBP @ 7816', CIBP @ 10,665, DO CIBP @ 11,130', Tag PBTD @ 11,248'. RIH w/tbg, rods & pump (SN @ 11062', EOT @ 11098').

1/21/98 TO 2/2/98 **SHEAR TOOL FAILURE**
Found shear tool sheared, attempted to fish pump. Unable to catch fish. POH w/tbg. RIH w/tbg, pump & rods. Place well on prod.

8/28/98 TO 9/12/98 **FISH RODS & TBG. (FISH LEFT IN HOLE)**
Found well with horses head thrown off, wellhead assembly ruined and polished rod & liner bent. Attempt to fish rods, caught rods and while pulling on rods, busted rod hook and rods fell and caught on elevator @ rod stripper. Fished rods, recovered pump. POH w/tbg, found bottom x-over on TAC parted. Attempt to fish. Ran freepoint, unable to get below 10,600' due to corkscrewed tbg. Found tbg free @ 10,560'. Fished tbg, leaving 5' of 2 7/8" perf sub + 33.66' mud jt w/BP&C in hole as fish. Tagged top of fish @ 11,232'. RIH w/tbg, pump and rods. Place well on prod.

Form 3160-4 (July 1992)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

OPERATOR'S COPY

5. Lease designation and serial no.: NM 02887-D

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. Type of well: Oil well [X] Gas well [ ] Dry [ ] Other

b. Type of completion: New well [ ] Work over [ ] Deepen [ ] Plug back [X] Diff. resvr. [ ] Other

2. Name of operator: Enron Oil & Gas Company

3. Address and telephone no.: P. O. Box 2267, Midland, Texas 79702 (915) 686-3714

4. Location of well (Report location clearly and in accordance with any State requirements)*

At surface: 330' FNL & 1980' FWL

At top prod. interval reported below: 330' FNL & 1980' FWL

At total depth: 330' FNL & 1980' FWL

8. Farm or lease name, well no.: James Ranch Unit #73

9. API well no.: 30 015 28979

10. Field and pool, or wildcat: Los Medanos Bone Spring

11. Sec., T., R., M., or block and survey or area: Sec 6, T23S, R31E

14. Permit no. — Date issued: 11/5/96

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
9-16-96	9-16-96	10-23-96	3313' GR	3313'

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
11331	10665		→		

24. Producing interval(s), of this completion—top, bottom, name (MD and TVD)*: 11014-11022 (Bone Spring)

25. Was directional survey made:

26. Type electric and other logs run: None

27. Was well cored:

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 H-40 ST&C	40.6	563	17-1/2	310 sx Prem	CIRCULATED
8-5/8 J-55 ST&C	32	3825	12-1/4	1075 sx Prem Plus	CIRCULATED
5-1/2 CF-95 & P-110 LT&C	17	11331	7-7/8	1000 sx Prem 50/50 Poz	TOC 3125

29. LINER RECORD

Size	Top (MD)	Bottom (MD)	Sacks cement*	Screen (MD)

30. TUBING RECORD

Size	Depth set (MD)	Packer set (MD)
2-7/8"	10914'	

31. Perforation record (Interval, size and number): 11014-11022 (.36" 33)

ACCEPTED FOR RECORD
JAN 0 8 1997
BLM

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

Depth interval (MD)	Amount and kind of material used
11014-11022	45,000 gals Spectra Frac G-3500 & G-3000 with 264,000# Ottawa sand and 60,000# Acme 20-40 SB Ultra

33. PRODUCTION

Date first production	Production method (Flowing, gas lift, pumping—size and type of pump)	Well status (Producing or shut-in)
0-24-96	Pumping (2-1/2" x 1-1/4" x 30' x 32' RHBC)	Producing

Date of test	Hours tested	Choke size	Prod'n. for test period	Oil—bbl.	Gas—MCF.	Water—bbl.	Gas-oil ratio
10-26-96	24	-		47	101	52	2149

Flow. tubing press.	Casing pressure	Calculated 24-hour rate	Oil—bbl.	Gas—MCF.	Water—bbl.	Oil gravity-API (corr.)
90	50					39.0

34. Disposition of gas (Sold, used for fuel, vented, etc.): Sold

Test witnessed by:

35. List of attachments: None

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

Signed: Betty Gildon Title: Regulatory Analyst Date: 12/3/96

*(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.

WORKSHEET FOR COMMERCIAL DETERMINATION AND PARTICIPATING AREA IN FEDERAL UNITS

WELL DATA

WELL JAMES RANCH UNIT NO. 73 FORMATION WOLFCAMP

LOCATION C UNIT, 330 FEET FROM N LINE & 1980 FEET FROM W LINE

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

SPUD DATE 6/29/96 COMPLETION DATE 7/30/96 INITIAL PRODUCTION 7/31/96

PERFORATIONS 11,166-11,174'

STIMULATION:

ACID 210 GALS SPOT ACID

FRACTURE 56,000 GALS SPECTRA FRAC G-3000 & G-3500, 242,000# 20/40 OTTAWA SAND, & 48,000# 20/40 SB ULTRA RC SAND.

POTENTIAL 8/10/96 92 BOPD, 50 BWPD, 73 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			
Porosity (por), %	12.1%			
Water saturation (Sw), %	38%			
Net Thickness (h), ft.	37.5			
Temperature (T), Fahrenheit	170			
Bottom Hole pressure (P), psia	6,032			
Recovery factor (RF), %	27%			
Recoverable oil, BBLS *(See eq. below)	169,180			

*Sometimes unable to match performance due to volumetric uncertainty.

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

Boi = 1.40

JAMES RANCH UNIT NO. 73
Continued

PERFORMANCE DATA

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

CUMULATIVE PRODUCTION TO 11/1/99 ; 11,570 BBLS

INITIAL RATE (qi) 127

ECONOMIC LIMIT (ql) 30

DECLINE RATE, dy Hyperbolic d = 21.90% n = .98

REMAINING OIL (Q) = 4,930

ULTIMATE RECOVERABLE OIL 16,500

(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	2,400	49,600	9,700	39,200
2	3,700	86,300	20,700	59,900
3	3,300	55,300	18,500	30,500
4	2,100	51,700	18,200	25,100
5	1,200	38,800	17,300	14,600
6	1,100	28,700	16,400	7,500
7	900	23,200	16,000	4,000
8	800	19,400	15,700	1,800
9	700	17,100	15,600	700
10	300	6,600	6,500	100
REMAINDER				

WELL IS NOT COMMERCIAL

Hobbs, NM 88241-1980

DISTRICT II
P. O. Drawer DD
Artesia, NM 88211-0719

DISTRICT III
1000 Rio Brazos Rd.
Aztec, NM 87410

DISTRICT IV
P. O. Box 2088
Santa Fe, NM 87507-2088

Energy, Minerals, and Natural Resources Department

Instructions on back

Submit to the Appropriate District Office
State Lease - 4 copies
Fee Lease - 3 copies

OIL CONSERVATION DIVISION

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number	² Pool Code	³ Pool Name
	40295 40297 & 96336	Los Medanos; Bone Spring, Delaware, Wolfcamp

⁴ Property Code	⁵ Property Name	⁶ Well Number
	JAMES RANCH UNIT	73

⁷ OGRID No.	⁸ Operator Name	⁹ Elevation
7377	ENRON OIL & GAS COMPANY	3313'

¹⁰ SURFACE LOCATION

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	6	23 SOUTH	31 EAST, N.M.P.M.		330'	NORTH	1980'	WEST	EDDY

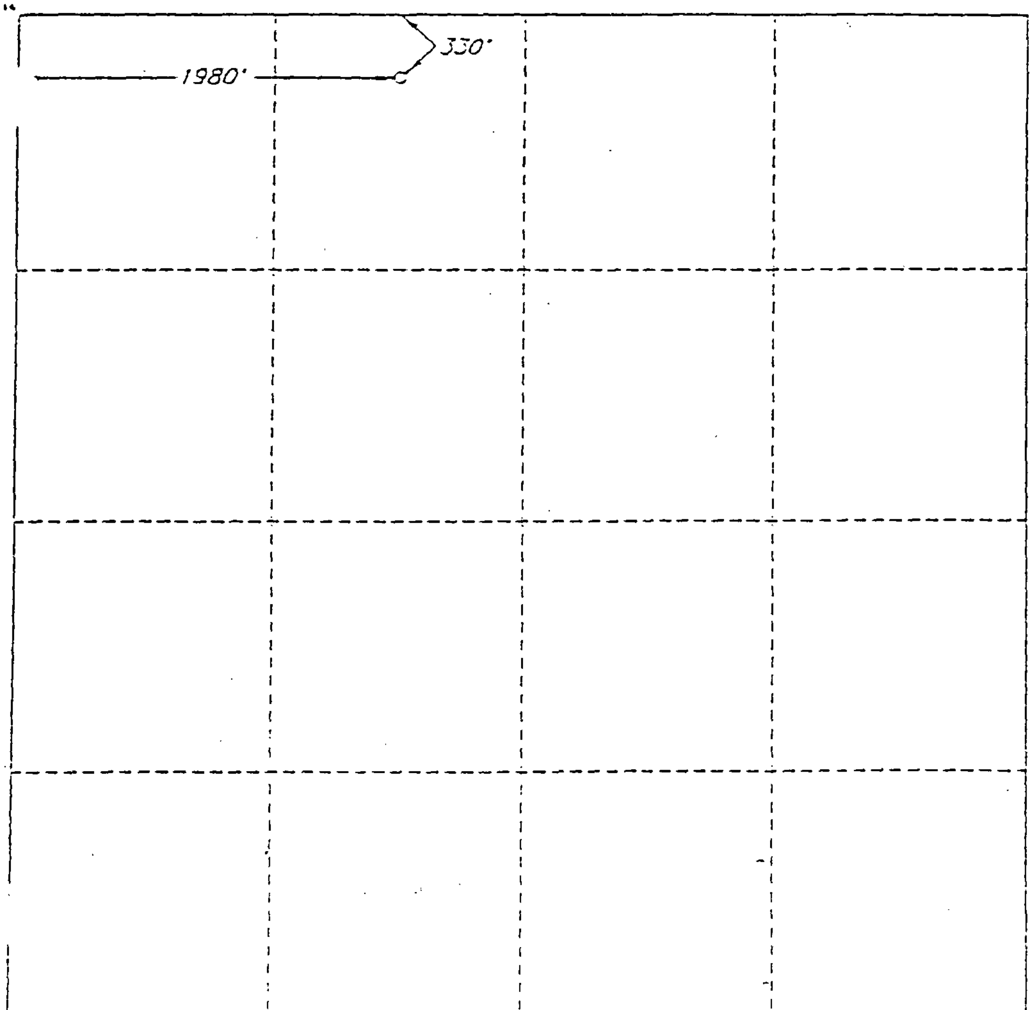
¹¹ BOTTOM HOLE LOCATION IF DIFFERENT FROM SURFACE

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
40			

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

¹⁶



OPERATOR CERTIFICATION

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

Signature: Betty Gildon

Printed Name: Betty Gildon

Title: Regulatory Analyst

Date: 2/20/96

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 belief.

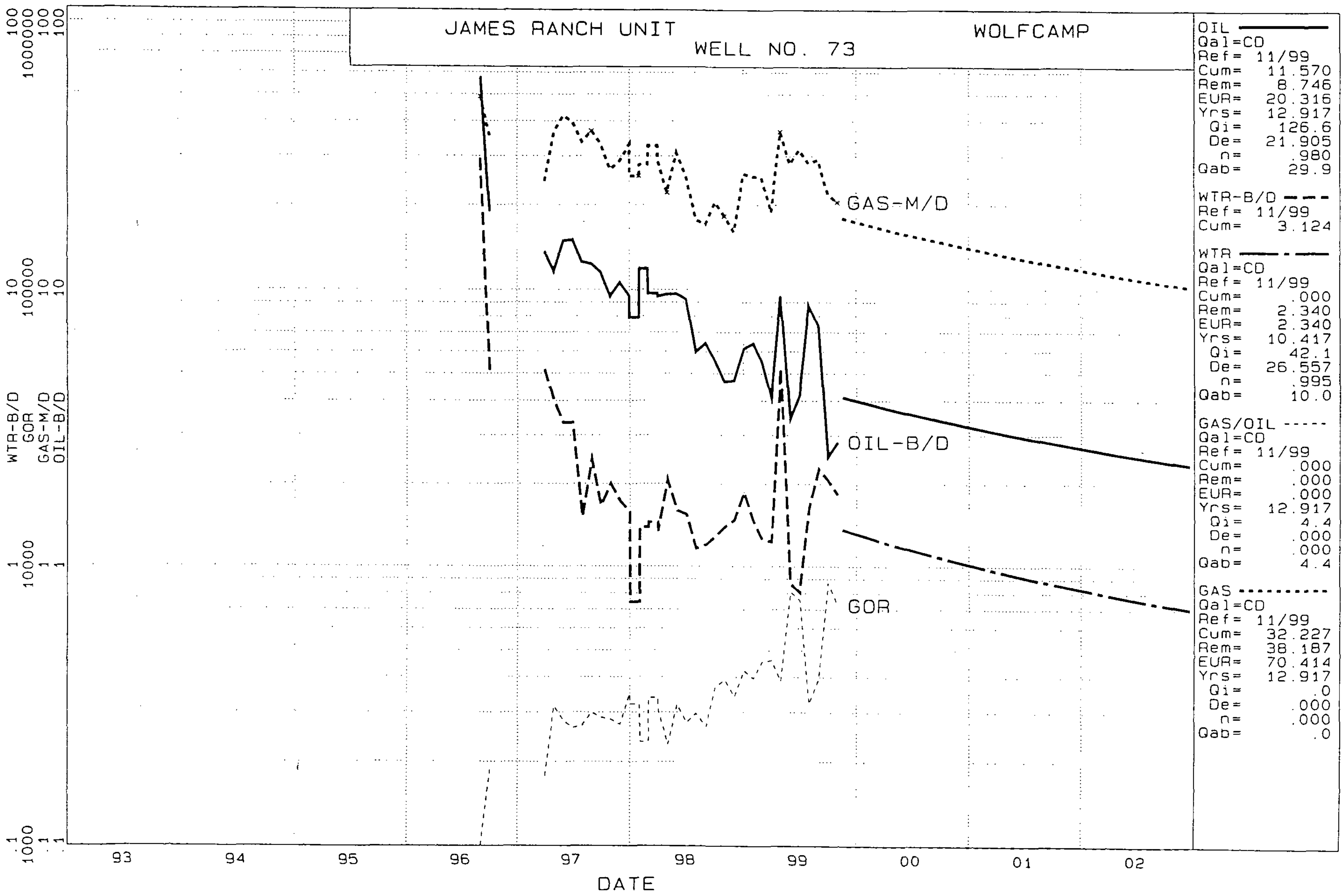
Date of Survey: FEBRUARY 8, 1996

Signature & Seal of Professional Surveyor

STATE OF NEW MEXICO
V. LYNN BEZNER
NO. 7920
PROFESSIONAL SURVEYOR

Certificate No. V. L. BEZNER #7920

JOB #



JAMES RANCH UNIT
WELL NO. 73
WOLFCAMP
GAS-M/D
OIL-B/D
GOR
DATE
93
94
95
96
97
98
99
00
01
02
WTR-B/D
GOR
GAS-M/D
OIL-B/D
100 1000000 100 100
10 100000 10 10
1 10000 1 1
.1 1000 .1 .1
OIL
Qal=CD
Ref= 11/99
Cum= 11.570
Rem= 8.746
EUR= 20.316
Yrs= 12.917
Qi= 126.6
De= 21.905
n= .980
Qab= 29.9
WTR-B/D
Ref= 11/99
Cum= 3.124
WTR
Qal=CD
Ref= 11/99
Cum= .000
Rem= 2.340
EUR= 2.340
Yrs= 10.417
Qi= 42.1
De= 26.557
n= .995
Qab= 10.0
GAS/OIL
Qal=CD
Ref= 11/99
Cum= .000
Rem= .000
EUR= .000
Yrs= 12.917
Qi= 4.4
De= .000
n= .000
Qab= 4.4
GAS
Qal=CD
Ref= 11/99
Cum= 32.227
Rem= 38.187
EUR= 70.414
Yrs= 12.917
Qi= .0
De= .000
n= .000
Qab= .0

JAMES RANCH UNIT #73 WOLFCAMP

DATE : 02/07/00
TIME : 13:41:33
DBS FILE : JRUPA
SETUP FILE : CD
SEQ NUMBER : 44

	INPUT DATA							CALCULATED DATA				
ITEM	SCHEDULING RATES			SCHEDULE UNTIL		PROCEDURE		ULTIMATE	LAST	EFF. DECL	INIT. RATE	FINAL RATE
405 START	11/99											
410 OIL	126.57	X	B/M	8.75	IMU	H/0.980	21.91	20.316	9/12	21.91	127.	30.
415 GAS/OIL	4.37	4.37	M/B	01/2097	AD	LIN	TIME		12/96			
420 WTR	42.05	X	B/M	2.34	IMU	H/0.995	26.56	2.340	3/10	26.56	42.	10.
425 START	08/96											
516 PRI/OIL	16.8800	X	$/B	1/95	MM/YY	PC	.00		9/12		16.880	
517 "	18.39	X	$/B	1/96	AD	PC	.00		9/12		18.390	
518 "	22.26	X	$/B	1/97	AD	PC	.00		9/12		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		9/12		18.130	18.130
531 PRI/GAS	1.8900	X	$/M	1/95	MM/YY	PC	.00		9/12		1.890	
532 "	1.94	X	$/M	1/96	AD	PC	.00		7/96		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		9/12		2.570	2.570
544 OPC/T	1190.00	X	$/M	TO	LIFE	SCH	OPC		9/12		1190.000	1190.000
549 STX/OIL	7.08	X	%	TO	LIFE	PC	.00		9/12		.071	.071
554 STX/GAS	7.93	X	%	TO	LIFE	PC	.00		9/12		.079	.079
559 ATX	.17	X	%	TO	LIFE	PC	.00		9/12		.002	.002
564 PRI/OIL	-.9100	-.9100	$/B	TO	LIFE	PC	.00		9/12		-.910	18.130
569 PRI/GAS	-.1300	-.1300	$/M	TO	LIFE	PC	.00		9/12		-.130	2.570
700 LSE/WI	100.0000	D	%	TO	LIFE	FLAT	.00		9/12		1.000	1.000
701 OWN/WI	100.0000	D	%	TO	LIFE	FLAT	.00		9/12		1.000	1.000
720 LSE/RIC	12.5000	D	%	TO	LIFE	FLAT	.00		9/12		.125	.125
721 OWN/RI	.0000	D	%	TO	LIFE	FLAT	.00		9/12			
740 LSE/RIG	12.5000	D	%	TO	LIFE	FLAT	.00		9/12		.125	.125
760 LSE/ORR	.0000	D	%	TO	LIFE	FLAT	.00		9/12			
761 OWN/ORR	.0000	D	%	TO	LIFE	FLAT	.00		9/12			

OVERLAYS	SCHEDULING RATES		SCHEDULE UNTIL	PROCEDURE	ULTIMATE	LAST	EFF. DECL	INIT. RATE	FINAL RATE
905 LOAD	P.OIL OIL #				11.655	2/00			
910 LOAD	P.GAS GAS #				32.842	2/00			
915 LOAD	P.WATER WTR #				3.124	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$G	08/96	AD		825.000	8/96	.	825.0	825.0
801 SALVAGE	-33.00	.00 M$G	TO	LIFE		-33.000	9/12	.	-33.0	-33.0

RESERVE PARAMETERS		ITEM		ITEM	
201 LOSS	NO				
205 CUMO, MB	11.57	CUMG, MMF	32.23	CUML, MB	

PROJECT ASSUMPTIONS

BASE DATE :	8/96	TIME FRAMES :	1*5 38*12 1*600				
P.W. DATE :	8/96	PW %-AGE :	10.0	DISC. FREQUENCY :	365.		
REPORT DATE :	8/96	PROD QUAL :	CD	OWNER QUAL :	CD	OTHER QUAL :	CD

JAMES RANCH UNIT #73 WOLFCAMP

DATE : 02/07/00
TIME : 13:41:33
DBS FILE : JRUPA
SETUP FILE : CD
SEQ NUMBER : 44

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

EFFECTIVE DATE: 8/96

PERIOD ENDING	12/96	12/97	12/98	12/99	12/00	12/01	12/02	12/03	12/04	12/05	8.8 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
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
INVESTMENTS, M$											
3) BORROWED CAPITAL	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4) EQUITY INVESTMENTS	825.0	.0	.0	.0	.0	.0	.0	.0	.0	-33.0	792.0
5) RISK	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7) TOTAL	825.0	.0	.0	.0	.0	.0	.0	.0	.0	-33.0	792.0
OIL PHASE											
8) GROSS OIL, MB	2.4	3.7	3.3	2.1	1.2	1.1	.9	.8	.7	.3	16.5
9) NET OIL, MB	2.1	3.2	2.9	1.9	1.1	.9	.8	.7	.6	.2	14.4
10) OIL REVENUE, M$	44.0	64.3	38.9	34.4	25.9	18.6	14.6	12.0	10.6	4.1	267.5
11) OIL PRICE, $/B	21.35	19.83	13.52	18.34	24.03	19.76	18.29	17.27	17.22	17.22	18.54
GAS PHASE											
12) GROSS GAS, MMF	2.6	10.2	9.5	9.2	6.0	4.7	4.0	3.5	3.1	1.2	53.9
13) NET GAS, MMF	2.3	9.0	8.3	8.1	5.2	4.1	3.5	3.0	2.7	1.0	47.2
14) GAS REVENUE, M$	5.6	22.0	16.4	17.3	12.9	10.1	8.5	7.4	6.6	2.5	109.4
15) GAS PRICE, $/MCF	2.480	2.460	1.980	2.140	2.470	2.450	2.440	2.440	2.440	2.440	2.318
WATER PHASE											
16) GROSS WATER, MB	1.1	.8	.5	.6	.1	.0	.0	.0	.0	.0	3.1
17) NET WATER, MB	1.1	.8	.5	.6	.1	.0	.0	.0	.0	.0	3.1
18) WATER PRICE, $/B	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
ECONOMICS, M$											
19) GROSS REV. TO INTR.	49.6	86.3	55.3	51.7	38.8	28.7	23.2	19.4	17.1	6.6	376.8
20) - SEV. TAX	3.6	6.3	4.1	3.8	2.9	2.1	1.7	1.4	1.3	.5	27.6
22) - AD VALOREM TAX	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.6
23) - OPERATING COSTS	6.0	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	6.0	126.1
24) - SWD	.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
26) - INTEREST PAID	.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
28) = NET INCOME	40.0	65.6	36.9	33.5	21.6	12.3	7.1	3.7	1.6	.1	222.5
29) - INVESTMENTS & RSK	825.0	.0	.0	.0	.0	.0	.0	.0	.0	-33.0	792.0
30) = BFIT NET	-785.0	65.6	36.9	33.5	21.6	12.3	7.1	3.7	1.6	33.1	-569.5
PRESENT WORTH @ 10.00 %											
31) NET INCOME	39.2	59.9	30.5	25.1	14.6	7.5	4.0	1.8	.7	.1	183.3
32) INVESTMENTS & RISK	825.0	.0	.0	.0	.0	.0	.0	.0	.0	-13.8	811.2
33) BFIT NET	-785.8	59.9	30.5	25.1	14.6	7.5	4.0	1.8	.7	13.8	-627.9
34) CUM BFIT NET	-785.8	-725.9	-695.4	-670.4	-655.7	-648.2	-644.3	-642.4	-641.7	-627.9	-627.9

JAMES RANCH UNIT #73 WOLFCAMP

DATE : 02/07/00
TIME : 13:41:33
DBS FILE : JRUPA
SETUP FILE : CD
SEQ NUMBER : 44

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

EFFECTIVE DATE: 8/96

PERIOD ENDING	12/96	12/97	12/98	12/99	12/00	12/01	12/02	12/03	12/04	12/05	8.8 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
2) DEPLETABLE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3) DEPRECIABLE	330.0	.0	.0	.0	.0	.0	.0	.0	.0	-33.0	297.0
TAX CALCULATIONS, M$											
4) GROSS REV. TO INTR.	49.6	86.3	55.3	51.7	38.8	28.7	23.2	19.4	17.1	6.6	376.8
5) - SEVERANCE TAX	3.6	6.3	4.1	3.8	2.9	2.1	1.7	1.4	1.3	.5	27.6
6) - WPT TAX NET	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7) - OPR. COSTS & ATX	6.0	14.4	14.4	14.4	14.3	14.3	14.3	14.3	14.3	6.0	126.7
8) + NPI OWNED - PAID	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9) - OVERHEAD	.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
11) - DEPRECIATION	19.6	61.2	71.2	50.8	36.3	29.5	29.5	29.5	2.4	.0	330.0
12) = NET	-474.6	4.4	-34.3	-17.3	-14.7	-17.2	-22.3	-25.8	-.9	.1	-602.5
13) - DEPLETION	.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
15) = TAXABLE	-474.6	4.4	-34.3	-17.3	-14.7	-17.2	-22.3	-25.8	-.9	.1	-602.5
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
17) - TAX CREDIT	.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
19) = F.I.T.	-166.1	1.6	-12.0	-6.1	-5.1	-6.0	-7.8	-9.0	-.3	.1	-210.9
20) REVENUE-SEV-WPT	46.1	80.0	51.3	47.9	36.0	26.6	21.5	18.0	15.9	6.1	349.2
21) - OPR. COSTS & ATX	6.0	14.4	14.4	14.4	14.3	14.3	14.3	14.3	14.3	6.0	126.7
22) + NPI OWNED - PAID	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23) - F.I.T.	-166.1	1.6	-12.0	-6.1	-5.1	-6.0	-7.8	-9.0	-.3	.1	-210.9
24) = A.F.I.T.	206.1	64.0	48.9	39.6	26.8	18.3	15.0	12.7	1.9	.1	433.4
25) - LOAN REPAYMENT	.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
27) = NET INCOME	206.1	64.0	48.9	39.6	26.8	18.3	15.0	12.7	1.9	.1	433.4
28) - INVESTMENTS & RSK	825.0	.0	.0	.0	.0	.0	.0	.0	.0	-33.0	792.0
29) = A.F.I.T. NET	-618.9	64.0	48.9	39.6	26.8	18.3	15.0	12.7	1.9	33.1	-358.6
PRESENT WORTH @ 10.00 %											
30) NET INCOME	201.9	58.5	40.4	29.6	18.1	11.2	8.3	6.4	.8	.0	375.2
31) INVESTMENTS & RISK	825.0	.0	.0	.0	.0	.0	.0	.0	.0	-13.8	811.2
32) A.F.I.T. NET	-623.1	58.5	40.4	29.6	18.1	11.2	8.3	6.4	.8	13.8	-436.1
33) CUM. A.F.I.T. NET	-623.1	-564.6	-524.2	-494.6	-476.5	-465.4	-457.1	-450.7	-449.9	-436.1	-436.1

JAMES RANCH UNIT #73 WOLFCAMP

DATE : 02/07/00
TIME : 13:41:33
DBS FILE : JRUPA
SETUP FILE : CD
SEQ NUMBER : 44

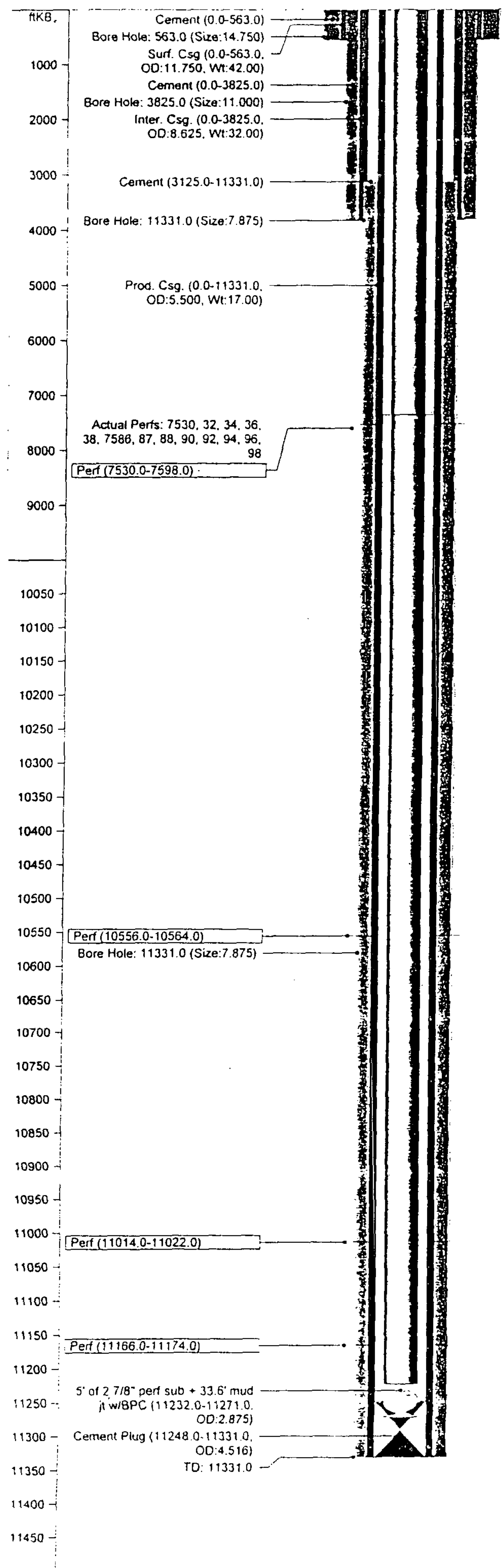
E C O N O M I C   I N D I C A T O R S

AS OF DATE: 8/96

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.	-569.512	-358.633	-551.742
2.	-583.754	-377.357	-564.576
5.	-602.446	-402.080	-580.201
6.	-608.057	-409.537	-584.637
8.	-618.468	-423.418	-592.569
10.	-627.911	-436.062	-599.443
20.	-664.239	-485.244	-623.343
30.	-688.701	-518.947	-637.627
40.	-706.302	-543.606	-647.429
50.	-719.634	-562.631	-654.878
60.	-730.132	-577.929	-660.955
70.	-738.640	-590.632	-666.158
80.	-745.693	-601.446	-670.761
90.	-751.641	-610.838	-674.926
100.	-756.731	-619.124	-678.756
RATE OF RETURN, PCT.	.0	.0	
UNDISCOUNTED PAYOUT, YRS.	8.83	8.83	
DISCOUNTED PAYOUT, YRS.	8.83	8.83	
UNDISCOUNTED NET/INVEST.	.28	.55	
DISCOUNTED NET/INVEST.	.23	.46	

JAMES RANCH UNIT #73



JAMES RANCH UNIT #73

API No.	3001528979	Status	ACT OIL
TD	11331.0 ftKB	Engineer	KAA
PBTD	11248.0 ftKB		
Operator	BEPCO	Permit	
Well No.	73	Spud	6/29/96
ID Code		RR	7/16/96
Field	LOS MEDANOS	Completion	8/2/96
Author	RAS	Last Act.	
Date Updated	7/23/98	Abandoned	
Comments	Drilled by Enron		

Location

Township	S023	Top Latitude	0
		Top Longitude	0
Range	E031	Top NS Distance	330.0 ft N
		Top EW Distance	1980.0 ft W
Section	6	Bottom Latitude	0
Unit Ltr.	C	Bottom Longitude	0
State	NEW MEXICO	Btm NS Distance	0.0 ft
County	EDDY	Btm EW Distance	0.0 ft

Elevations

KB	3311.0 ft	Cas Flng	0.0 ft
Grd	3298.0 ft	Tub Head	0.0 ft
KB-Grd	13.0 ft		

Casing String - Surface Casing

Item (in)	Top (ftKB)	Btm (ftKB)	Jnts	ID	Wt	Grd	Thd
11 3/4 in Surf. Csg	0.0	563.0		11.084	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	3825.0		7.921	32.00	J-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	1331.0		4.892	17.00	95&P1	LTC

Casing Cement

Casing String	Top (ftKB)	Amount (sx)	Comments
Surface Casing	0.0	310	
Intermediate Casing	0.0	1075	
Production Casing	3125.0	1000	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.	0.0	7357.0	224	2.441	6.50	N-80	8rd
5 1/2 in Baker TAC	7357.0	7360.0		2.875	0.00		
2 7/8 in Tbg.	7360.0	11223.0	121	2.441	6.50	N-80	8rd
2 7/8 in HF Mech. SN	11223.0	11224.0		0.000	0.00		

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

Date	Item	Int (ftKB)
7/16/96	Cement Plug	11248.0 - 11331.0

Perforations

Date	Int	Shots (/ft)	Status
7/31/96	11166.0 - 11174.0	4.0	
9/18/96	11014.0 - 11022.0	4.0	
11/22/96	10556.0 - 10564.0	2.0	
12/7/96	7530.0 - 7598.0	1.0	

Stimulations & Treatments

Date	Type	Interval	Fluid	Sand	Comments
8/1/96	Sand Frac	11166.0 - 11174.0			
9/24/96	Sand Frac	11014.0 - 11022.0			
12/8/96	Sand Frac	7530.0 - 7598.0			

Fish - FISH

Date	Item	Int (ftKB)	OD (in)	Comment
9/10/98	5' of 2 7/8" perf sub + 33.6' mud jt w/BP&C	11232.0 - 11271.0	2 7/8	

WELL HISTORY

WELL NAME:	JAMES RANCH UNIT #73
FIELD NAME:	LOS MEDANOS
LOCATION:	330' FNL, 1980' FWL, SEC 6, T23S, R31E, Unit C Eddy County, New Mexico
ELEV:	3298' GL, 3311' KB
SPUD DATE:	6/29/96, RR 7/16/96
COMP DATE:	8/2/96
ORIG TD:	11,331'
ORIG PBTD:	11,248'
CASING:	**11 ¾", H-40, 42#, STC CSA 563', Cmt w/310 sxs, circ. 14 3/4" hole 0-563'.** **8 5/8", J-55, 32#, STC CSA 3825', Cmt w/1075 sxs, circ. 11" hole 0-3825'.** **5 ½", CF95 & P110, 17#, LTC CSA 11,331', cmt w/1000 sxs, 7 7/8" hole 0-11,331',**
TUBING:	2 7/8", N-80, 6.5#, 8rd EUE
DST:	None
CORES & LOGS:	GR-DSN-SDL 300-11,324' GR-HRI-DFL 3800-11,331'.

INITIAL COMPLETION

7/31/96 to 8/8/96 **PERF & FRAC 11,166-11174' (WOLFCAMP)**

Tag PBTD @ 11,248'. Run correlation log.

7/31/96 **Perf:** 11,166-11,174' (Wolfcamp) w/4SPF, 0° phased. **Frac** w/56,000 gals Spectra Frac G 3000 & G3500, 242,000# 20/40 Ottawa sd + 48,000# 20/40 SB Ultra RCS. Flow back well to tank. RIH w/2 7/8" tbg. Swabbed well. Placed well on prod, flowing to battery.
IP 8/10/96 F 92 BO, 73 MCFG, 50 BW on 28/64" ck.

WORKOVER

8/22/96 Ran BHP test.

9/12/96 Ran RA tracer log.

9/17/96 to 10/25/96 **PERF & FRAC 11,014-11,022' (THIRD BONE SPRING)**

Set CIBP @ 11,130'.

9/18/97 **Perf:** 11,014-11,022' (Third Bone Spring) w/4 JSPF, 60° phased. Ran CCL log. Do step rate test. **Frac** 11,014-11,022 w/45,000 gals Spectra Frac G-3000 & G-3500 + 264,000# 20/40 Ottawa Sd + 60,000# Acme 20/40 SB Ultra. SI. Tag sand fill @ 8465'(2557' sand over perfs). Washed sand from 8465' to 11,000'(perfs @ 11,014-11,022), well started to flow. Flowed well down, circ hole clean to PBTD CIPB @ 11,130'. Flowed and swabbed well. Left well flowing to tanks. Well died. Swabbed well. RIH w/tbg, rods & pump. Put well on pump.
AWO: 10/26/96, 47 BO, 52 BLW + 101 MCF.

Well History
James Ranch Unit #73

11/21/96 to 11/26/96 **PERF & ACIDIZE 10,556-10,564' (BONE SPRING)**
Set CIBP @ 10,665'. Run CCL-CBL.

11/22/96 **Perf** 10,556-10,564' (Bone Sprin) w/2JSPF, 90o phased. **Acidize** w/1500 gals 20% HCl + 32 BS. BOP 5000 psi, 3 BPM, mas tp 5800 PSI, No ball action. Avg TP 5400 psi, avg rate 4.4 BPM. ISDP 4000 psi, 5 min 3850 psi, 10 min 3900 psi, 15 min 3850 psi. Swabbbed and flowed well, recovered all load. RIH w/tbg, rods & pump. Place well on prod.
AWO: 11/29/96 P 30 BO, 12 BW & 56 MCF.

12/6/96 to 12/19/96 **PERF & FRAC 7530, 32, 34, 36,38, 7586, 87, 88, 90, 92, 94, 96, 98'(DELAWARE).**
Set CIBP @ 7550'.

12/7/96 **Perf** 7530, 32, 34, 36, 38, 38, 7586, 87, 88, 90, 92, 94, 96, 98 w/1SPF. Acid w/250 gals. 7 ½% Fercheck SC acid. **Frac** w/28,000 gals Delta Frac 25 + 55,000# of 20/40 brown sand + 24,000# 16/30 bronw sand w/0.5% prop wrap. Flowed & swabbed. RIH w/tbg, rods & pump. Place well on prod.
AWO: 12/24/96 111 BO, 156 BLW, 106 MCF.

1/23/97 to 1/25/97 Fish tbg & CO sand. Return to production.

2/3/97 Rod job

2/20/97 to 2/28/97 **DO 3 CIBP'S & COMMINGLE ALL ZONES**
DO CIBP @ 7816', CIBP @ 10,665, DO CIBP @ 11,130', Tag PBTD @ 11,248'. RIH w/tbg, rods & pump (SN @ 11062', EOT @ 11098').

1/21/98 TO 2/2/98 **SHEAR TOOL FAILURE**
Found shear tool sheared, attempted to fish pump. Unable to catch fish. POH w/tbg. RIH w/tbg, pump & rods. Place well on prod.

8/28/98 TO 9/12/98 **FISH RODS & TBG. (FISH LEFT IN HOLE)**
Found well with horses head thrown off, wellhead assembly ruined and polished rod & liner bent. Attempt to fish rods, caught rods and while pulling on rods, busted rod hook and rods fell and caught on elevator @ rod stripper. Fished rods, recovered pump. POH w/tbg, found bottom x-over on TAC parted. Attempt to fish. Ran freepoint, unable to get below 10,600' due to corkscrewed tbg. Found tbg free @ 10,560'. Fished tbg, leaving 5' of 2 7/8" perf sub + 33.66' mud jt w/BP&C in hole as fish. Tagged top of fish @ 11,232'. RIH w/tbg, pump and rods. Place well on prod.

DISTRICT I
P. O. Box 1980
Hobbs, NM 88241-1980

DISTRICT II
P. O. Drawer DD
Artesia, NM 88211-0719

DISTRICT III
1000 Rio Brazos Rd.
Aztec, NM 87410

DISTRICT IV
P. O. Box 2088
Santa Fe, NM 87507-2088

State of New Mexico
Energy, Minerals, and Natural Resources Department

Form C-102
Revised 02-10-94
Instructions on back

Submit to the Appropriate District Office
State Lease - 4 copies
Fee Lease - 3 copies

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number	² Pool Code	³ Pool Name
	40295 40297 & 96336	Los Medanos; Bone Spring, Delaware, Wolfcamp

⁴ Property Code	⁵ Property Name	⁶ Well Number
	JAMES RANCH UNIT	73

⁷ OGRID No.	⁸ Operator Name	⁹ Elevation
7377	ENRON OIL & GAS COMPANY	3313'

¹⁰ SURFACE LOCATION

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	6	23 SOUTH	31 EAST, N.M.P.M.		330'	NORTH	1980'	WEST	EDDY

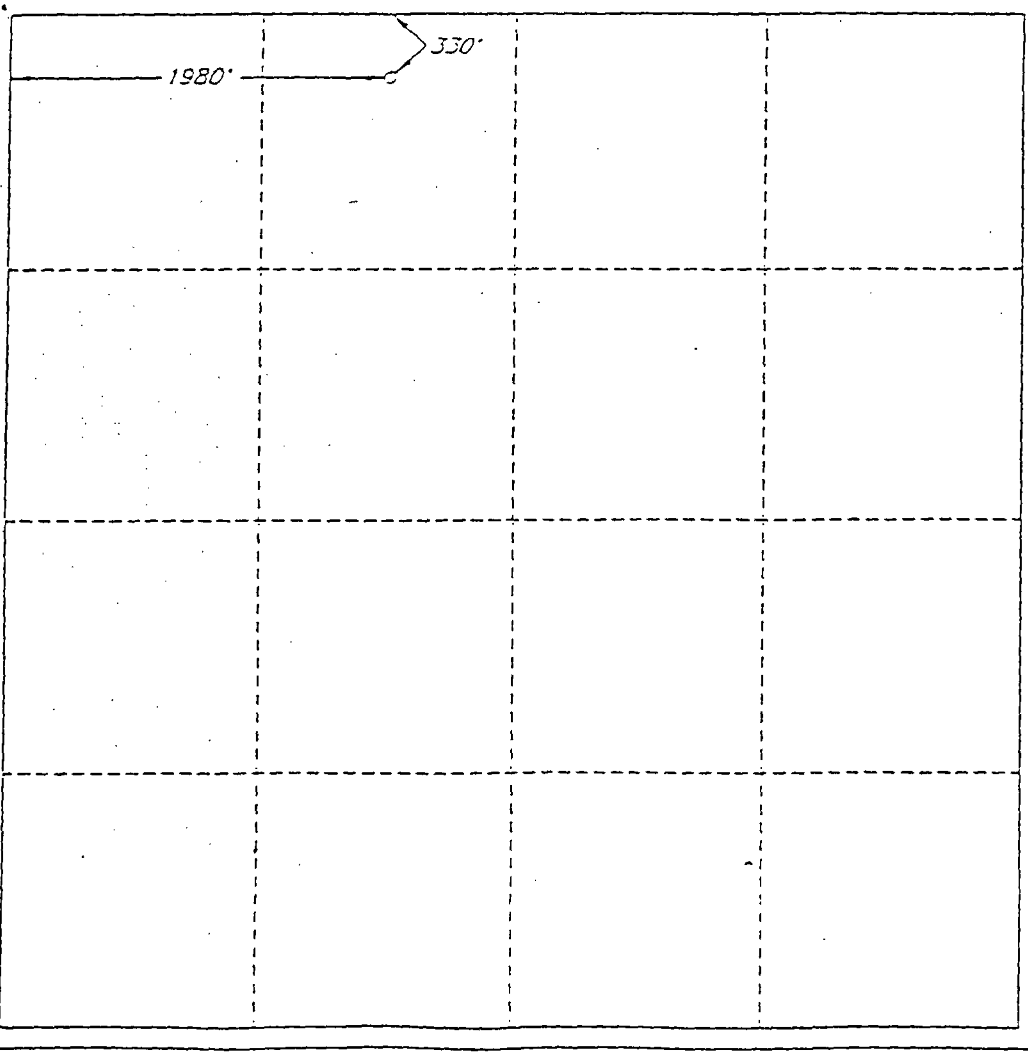
¹¹ BOTTOM HOLE LOCATION IF DIFFERENT FROM SURFACE

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
40			

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

¹⁶



OPERATOR CERTIFICATION

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

Signature: Betty Gildon

Printed Name: Betty Gildon

Title: Regulatory Analyst

Date: 2/20/96

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 belief.

Date of Survey: FEBRUARY 8, 1996

Signature and Seal of Professional Surveyor

STATE OF NEW MEXICO
V. LYNN BEZNER
NO. 7920
PROFESSIONAL SURVEYOR

Certificate No.
V. L. BEZNER #7920

JOB #[illegible] / V.H.B.

CONFIDENTIAL

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE
OPERATOR'S COPY
RECEIVED

FORM APPROVED
OMB NO. 1004-0137

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 [X] GAS WELL [ ] DRY [ ] Other

b. TYPE OF COMPLETION: NEW WELL [X] WORK OVER [ ] DEEP-EN [ ] PLUG BACK [ ] DIFF. RESVR. [ ] Other

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.
James Ranch Unit #73

2. NAME OF OPERATOR
Enron Oil & Gas Company

9. API WELL NO.
30 015 28979

3. ADDRESS AND TELEPHONE NO.
P. O. Box 2267, Midland, Texas 79702 (915) 686-3714

10. FIELD AND POOL, OR WILDCAT
Los Medanos Wolfcamp

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

At surface
330' FNL & 1980' FWL

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

At total depth
330' FNL & 1980' FWL

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

14. PERMIT NO. — DATE ISSUED 4-23-96

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
6-29-96	7-14-96	7-30-96	3313' GR	3313'

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
11331	11248		→	X	

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
11166-11174 (Wolfcamp)

25. WAS DIRECTIONAL SURVEY MADE
No

26. TYPE ELECTRIC AND OTHER LOGS RUN
GR-HRI-DFL, GR-DSN-SDL

27. WAS WELL CORED
No

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 H-40 ST&C	40.6	563	17-1/2	310 sx Prem	Circulated
8-5/8 J-55 ST&C	32	3825	12-1/4	1075 sx Prem Plus	Circulated
5-1/2 CF-95 & P-110 LT&C	17	11331	7-7/8	1000 sx Prem 50/50 poz	TOC 3125

29. LINER RECORD

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

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-7/8	11102	

31. PERFORATION RECORD (Interval, size and number)
11166-11174 (.40" 33)

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
11166-11174	3639 gals linear gel, 1008 gals 7-1/2% HCl, 38,556 gals SFG 3000 39,480 gals SFG 3500, 241,760# 20/40 Ottawa & 48,000# 20/40 SB Ultra sand

33. PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)
7-31-96	Flowing	Producing

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
8/10/96	24	28/64	→	92	73	50	793

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
80	1450	→				39.8

ACCEPTED FOR RECORD
AUG 26 1996

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

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 Betty Gildon TITLE Regulatory Analyst DATE 8/16/96

*(See Instructions and Spaces for Additional Data 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.
	0	3485	Anhydrite, Salt
elaware	3485	3954	Lime, Snhydrite
	3954	5488	Sand
	5488	6725	Sand, Lime
	6725	7682	Limestone, Shale, Sand
elaware &	7682	9104	Lime, Shale
Bone Spring	9104	9734	Shale
	9734	11110	Lime, Shale
olfcamp	11110	11331	Shale

38. GEOLOGIC MARKERS

NAME	TOP: MEAS. DEPTH	TOP: TRUE VERT. DEPTH
Delaware	3915	
Bone Spring	7748	
Wolfcamp	11100	