

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

April 7, 2009

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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

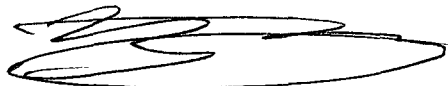
Re: Commercial Determination
James Ranch Unit Well No. 71
Delaware Formation
Eddy County, New Mexico

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. 71 FORMATIC DELAWARE

LOCATION A UNIT, 330 FEET FROM N LINE & 660 FEET FROM E LINE

SECTION 36 TOWNSHIP 22S, RANGE 30E, COUNTY EDDY, NEW MEXICO

SPUD DATE 9/14/94 COMPLETION DATE 11/25/96 INITIAL PRODUCTION 11/25/96

PERFORATIONS 7566-7574'

STIMULATION:

ACID 500 GALS 7-1/2% FERCHECK SC ACID.

FRACTURE 28,000 GALS DELTA FRAC, 96,500# 20/40 BROWN SAND, & 24,000# 16/30 BROWN SAND
WITH 0.5% PROP WRAP.

POTENTIAL 1/2/97 144 BOPD, 86 BWPD, 149 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	<u>40</u>	<u>40</u>
Porosity (por), %	<u>12.0%</u>	<u>15.0%</u>
Water saturation (Sw), %	<u>60%</u>	<u>63%</u>
Net Thickness (h), ft.	<u>27</u>	<u>19</u>
Temperature (T), Fahrenheit	<u>120</u>	<u>120</u>
Bottom Hole pressure (P), psia	<u>3,278</u>	<u>3,148</u>
Recovery factor (RF), %	<u>16%</u>	<u>10%</u>
Recoverable oil, BBLS *(See eq. below)	<u>42,899</u>	<u>21,815</u>

* 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 ; 66,029 BBLs	
	PRODUCING	BEHIND PIPE
INITIAL RATE (qi)	1,209	1,034
ECONOMIC LIMIT (ql)	60	60
DECLINE RATE, dy (Hyperbolic, n=.995)	19.57%	36.88%
REMAINING OIL (Q) =	136,971	18,000
ULTIMATE RECOVERABLE OIL	221,000	

(Attach plat showing proration unit and participating area.)

ECONOMIC

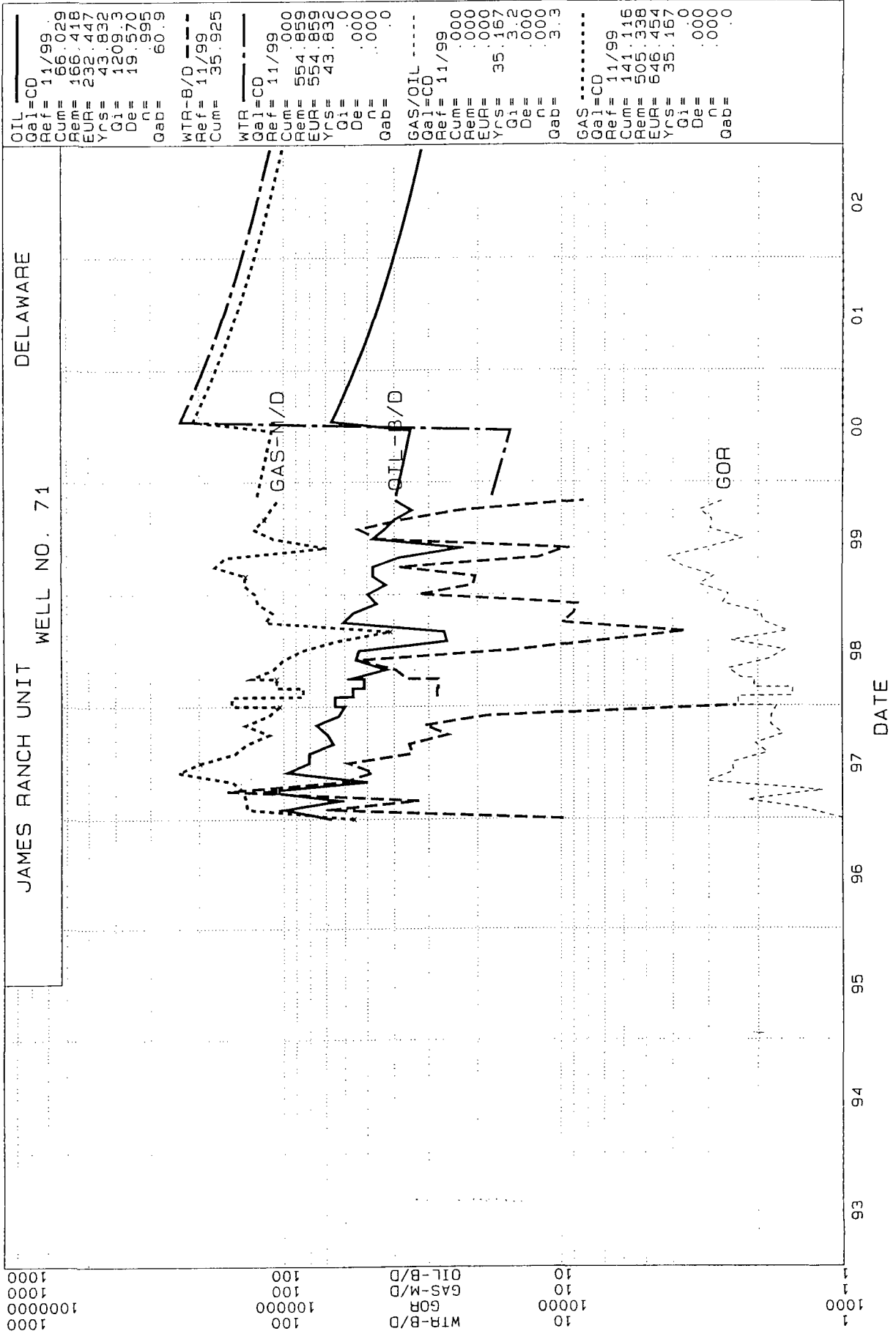
WELL COST \$ 570,000 (to the depth of formation completed)

RECOMPLETION COST \$ 65,000 (7/2000)

TOTAL COST \$ 635,000

YEAR	GROSS OIL	REVENUE	OPERATING COST	10% NET BFIT DISCOUNTED CASH FLOW
ZERO	0	0	0	-570,000
1	2,100	42,500	4,900	37,500
2	28,100	601,600	72,500	499,300
3	18,300	279,900	44,000	201,400
4	16,500	351,500	49,900	233,000
5	17,800	494,300	59,200	304,200
6	17,100	412,300	54,800	226,100
7	13,000	295,300	44,900	143,300
8	10,400	228,400	39,300	98,000
9	8,700	190,800	35,900	72,600
10	7,500	164,100	33,700	55,300
REMAINDER	81,400	1,786,200	713,600	226,400

WELL IS COMMERCIAL



OIL	
Gal=CD	Ref= 11/99
Cum= 66.029	Rem= 166.418
EUR= 232.447	Yrs= 43.832
Q1= 1209.3	De= 19.570
n= .995	Qab= 60.9
WTR-B/D	
Ref= 11/99	Cum= 35.925
WTR	
Gal=CD	Ref= 11/99
Cum= .000	Rem= 554.859
EUR= 554.859	Yrs= 43.832
Q1= .0	De= .000
n= .000	Qab= .0
GAS/OIL	
Gal=CD	Ref= 11/99
Cum= .000	Rem= .000
EUR= .000	Yrs= 35.167
Q1= 3.2	De= .000
n= .000	Qab= 3.3
GAS	
Gal=CD	Ref= 11/99
Cum= 141.116	Rem= 505.338
EUR= 646.454	Yrs= 35.167
Q1= .0	De= .000
n= .000	Qab= .0

JRU #71 DELAWARE

DATE : 02/08/00
TIME : 08:00:12
DBS FILE : JRUPA
SETUP FILE : CD
SEQ NUMBER : 48

ITEM	INPUT DATA				CALCULATED DATA			
	SCHEDULING RATES	SCHEDULE UNTIL	PROCEDURE	TIME	ULTIMATE	LAST EFF. DECL	INIT. RATE	FINAL RATE
405 START	11/99							
410 OIL	1209.30	X B/M	07/2000 AD	H/0.995	19.57	6/00	1209.	1056.
415 "	2068.30	X B/M	12/2017 AD	H/0.995	36.88	11/17	2068.	228.
420 "	227.93	X B/M	39.09 IMU	EXP	5.00	8/43	228.	61.
425 START	11/99							
430 GAS/OIL	3.15	3.29 M/B	01/2035 AD	LOG		12/34		
435 START	11/99							
440 WTR/OIL	.45	X U/B	07/2000 AD	EXP	5.97	6/00	.453	.435
445 "	3.50	3.50 U/B	TO LIFE	LIN		8/43		
450 START	12/96							
516 PRI/OIL	16.8800	X \$/B	1/95	MM/YY	.00	8/43	16.880	
517 "	18.39	X \$/B	1/96	AD	.00	8/43	18.390	
518 "	22.26	X \$/B	1/97	AD	.00	8/43	22.260	
519 "	20.74	X \$/B	1/98	AD	.00	12/97	20.740	22.260
520 "	14.43	X \$/B	1/99	AD	.00	12/98	14.430	20.740
521 "	19.25	X \$/B	1/2000	AD	.00	12/99	19.250	14.430
522 "	24.94	X \$/B	1/2001	AD	.00	12/00	24.940	19.250
523 "	20.67	X \$/B	1/2002	AD	.00	12/01	20.670	24.940
524 "	19.20	X \$/B	1/2003	AD	.00	12/02	19.200	20.670
525 "	18.18	X \$/B	1/2004	AD	.00	12/03	18.180	19.200
526 "	18.13	X \$/B	TO LIFE	PC	.00	8/43	18.130	18.180
531 PRI/GAS	1.8900	X \$/M	1/95	MM/YY	.00	8/43	1.890	
532 "	1.94	X \$/M	1/96	AD	.00	11/96	1.940	
533 "	2.61	X \$/M	1/97	AD	.00	12/96	2.610	2.610
534 "	2.59	X \$/M	1/98	AD	.00	12/97	2.590	2.610
535 "	2.11	X \$/M	1/99	AD	.00	12/98	2.110	2.590
536 "	2.27	X \$/M	1/2000	AD	.00	12/99	2.270	2.110
537 "	2.60	X \$/M	1/2001	AD	.00	12/00	2.600	2.270
538 "	2.58	X \$/M	1/2002	AD	.00	12/01	2.580	2.600
539 "	2.57	X \$/M	TO LIFE	PC	.00	8/43	2.570	2.580
544 PRI/WTR	.5000	.5000 \$/U	1/2000	AD	.00	11/96	.500	
545 "	.08	X \$/U	TO LIFE	PC	.00	11/96	.080	
550 OPC/T	1600.00	X \$/M	TO LIFE	SCH	OPC	8/43	1600.000	1600.000
555 STX/OIL	7.08	X \$	TO LIFE	PC	.00	8/43	.071	.071
560 STX/GAS	7.93	X \$	TO LIFE	PC	.00	8/43	.079	.079
565 ATX	.17	X \$	TO LIFE	PC	.00	8/43	.002	.002
570 PRI/OIL	-.9100	-.9100 \$/B	TO LIFE	PC	.00	8/43	-.910	18.130
575 PRI/GAS	-.1300	-.1300 \$/M	TO LIFE	PC	.00	8/43	-.130	2.570
700 LSE/WI	100.0000	D \$	TO LIFE	FLAT	.00	8/43	1.000	1.000

701 OWN/WI	100.0000	D	%	TO	LIFE	FLAT	.00	8/43	1.000	1.000
720 LSE/RIC	12.5000	D	%	TO	LIFE	FLAT	.00	8/43	.125	.125
721 OWN/RI	.0000	D	%	TO	LIFE	FLAT	.00	8/43		
740 LSE/RIG	12.5000	D	%	TO	LIFE	FLAT	.00	8/43	.125	.125
760 LSE/ORR	.0000	D	%	TO	LIFE	FLAT	.00	8/43		
761 OWN/ORR	.0000	D	%	TO	LIFE	FLAT	.00	8/43		

OVERLAYS	SCHEDULING RATES	SCHEDULE UNTIL	PROCEDURE	ULTIMATE	LAST	EFF. DECL	INIT. RATE	FINAL RATE
905 LOAD	P.OIL OIL #			67.216	2/00			
910 LOAD	P.GAS GAS #			144.267	2/00			
915 LOAD	P.WATER WTR #			35.925	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 MSG	12/96 AD					
801 WORKOVER	.00	65.00 MSG	7/2000 AD	570.000	12/96		570.0	570.0
802 SALVAGE	-24.00	.00 MSG	TO LIFE	65.000	7/0		65.0	65.0
				-24.000	8/43		-24.0	-24.0

RESERVE PARAMETERS	ITEM	ITEM
201 LOSS	NO	
205 CUMO, MB	66.03	CUMUL, MB
210 LOSS	NO	

PROJECT ASSUMPTIONS

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

DATE : 02/08/00
 TIME : 08:00:12
 DBS FILE : JRUPA
 SETUP FILE : CD
 SEQ NUMBER : 48

RESERVES AND ECONOMICS

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	38.1 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	2.1	28.1	18.3	16.5	17.8	17.1	13.0	10.4	8.7	7.5	139.6	81.4	221.0
9) NET OIL, MB	1.8	24.6	16.0	14.5	15.6	15.0	11.4	9.1	7.6	6.6	122.1	71.3	193.4
10) OIL REVENUE, M\$	38.8	487.2	216.0	265.5	374.1	296.3	207.7	157.8	131.7	113.2	2288.2	1227.1	3515.3
11) OIL PRICE, \$/B	21.35	19.83	13.52	18.34	24.03	19.76	18.29	17.27	17.22	17.22	18.74	17.22	18.18
GAS PHASE													
12) GROSS GAS, MMF	1.7	53.1	36.9	45.9	55.6	54.1	41.0	33.1	27.7	23.8	373.0	261.8	634.9
13) NET GAS, MMF	1.5	46.5	32.3	40.2	48.7	47.4	35.9	28.9	24.2	20.9	326.4	229.1	555.5
14) GAS REVENUE, M\$	3.7	114.4	63.9	86.0	120.2	116.0	87.6	70.6	59.1	50.9	772.4	559.0	1331.5
15) GAS PRICE, \$/MCF	2.480	2.460	1.980	2.140	2.470	2.450	2.440	2.440	2.440	2.440	2.367	2.440	2.397
WATER PHASE													
16) GROSS WATER, MB	.3	17.5	8.0	9.1	40.1	60.0	45.4	36.6	30.6	26.3	273.8	285.0	558.9
17) NET WATER, MB	.3	17.5	8.0	9.1	40.1	60.0	45.4	36.6	30.6	26.3	273.8	285.0	558.9
18) WATER PRICE, \$/B	.500	.500	.500	.500	.080	.080	.080	.080	.080	.080	.134	.080	.106
ECONOMICS, M\$													
19) GROSS REV. TO INTR.	42.5	601.6	279.9	351.5	494.3	412.3	295.3	228.4	190.8	164.1	3060.6	1786.2	4846.8
20) - SEV. TAX	3.0	43.6	20.4	25.6	36.0	30.2	21.6	16.8	14.0	12.1	223.3	131.2	354.5
22) - AD VALOREM TAX	.1	.9	.4	.6	.8	.6	.5	.4	.3	.3	4.8	2.8	7.6
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	556.8	731.2
24) - SWD	.2	8.8	4.0	4.5	3.2	4.8	3.6	2.9	2.4	2.1	36.6	22.8	59.4
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	37.6	529.1	235.8	301.6	435.1	357.5	250.3	189.2	154.9	130.5	2621.6	1072.5	3694.1
29) - INVESTMENTS & RSK	570.0	.0	.0	.0	65.0	.0	.0	.0	.0	.0	635.0	-24.0	611.0
30) = BFIT NET	-532.4	529.1	235.8	301.6	370.1	357.5	250.3	189.2	154.9	130.5	1986.6	1096.5	3083.1
PRESENT WORTH @ 10.00 %													
31) NET INCOME	37.5	499.3	201.4	233.0	304.2	226.1	143.3	98.0	72.6	55.3	1870.8	226.4	2097.2
32) INVESTMENTS & RISK	570.0	.0	.0	.0	45.4	.0	.0	.0	.0	.0	615.4	-5	614.9
33) BFIT NET	-532.5	499.3	201.4	233.0	258.8	226.1	143.3	98.0	72.6	55.3	1255.4	226.9	1482.3
34) CUM BFIT NET	-532.5	-33.2	168.2	401.2	660.0	886.2	1029.5	1127.4	1200.0	1255.4	1255.4	1482.3	1482.3

DATE : 02/08/00
 TIME : 08:00:12
 DBS FILE : JRUPA
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 SEQ NUMBER : 48

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	38.1 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.	42.5	601.6	279.9	351.5	494.3	412.3	295.3	228.4	190.8	164.1	3060.6	1786.2	4846.8
5) - SEVERANCE TAX	3.0	43.6	20.4	25.6	36.0	30.2	21.6	16.8	14.0	12.1	223.3	131.2	354.5
6) - WPT TAX NET	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7) - OPR. COSTS & ATX	1.8	28.9	23.6	24.3	23.2	24.6	23.3	22.5	21.9	21.6	215.8	582.4	798.2
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	-295.2	492.8	178.5	260.6	340.9	336.0	228.9	167.7	145.9	130.5	1986.6	1072.5	3059.1
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	-295.2	492.8	178.5	260.6	340.9	336.0	228.9	167.7	145.9	130.5	1986.6	1072.5	3059.1
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.	-103.3	172.5	62.5	91.2	119.3	117.6	80.1	58.7	51.1	45.7	695.3	375.4	1070.7
20) REVENUE-SEV-WPT	39.5	558.0	259.5	325.9	458.3	382.1	273.6	211.6	176.8	152.0	2837.4	1655.0	4492.3
21) - OPR. COSTS & ATX	1.8	28.9	23.6	24.3	23.2	24.6	23.3	22.5	21.9	21.6	215.8	582.4	798.2
22) + NPI OWNED - PAID	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23) - F.I.T.	-103.3	172.5	62.5	91.2	119.3	117.6	80.1	58.7	51.1	45.7	695.3	375.4	1070.7
24) = A.F.I.T.	141.0	356.6	173.4	210.4	315.8	239.9	170.2	130.5	103.8	84.8	1926.3	697.2	2623.4
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	141.0	356.6	173.4	210.4	315.8	239.9	170.2	130.5	103.8	84.8	1926.3	697.2	2623.4
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	-429.0	356.6	173.4	210.4	250.8	239.9	170.2	130.5	103.8	84.8	1291.3	721.2	2012.4
PRESENT WORTH @ 10.00 %													
30) NET INCOME	140.4	336.5	148.1	162.6	220.8	151.7	97.4	67.6	48.6	36.0	1409.7	147.2	1556.9
31) INVESTMENTS & RISK	570.0	.0	.0	.0	45.4	.0	.0	.0	.0	.0	615.4	-5	614.9
32) A.F.I.T. NET	-429.6	336.5	148.1	162.6	175.4	151.7	97.4	67.6	48.6	36.0	794.3	147.7	942.0
33) CUM. A.F.I.T. NET	-429.6	-93.1	55.0	217.5	392.9	544.7	642.1	709.7	758.3	794.3	794.3	942.0	942.0

JRU #71 DELAWARE

DATE : 02/08/00
 TIME : 08:00:12
 DBS FILE : JRUPA
 SETUP FILE : CD
 SEQ NUMBER : 48

ECONOMIC INDICATORS

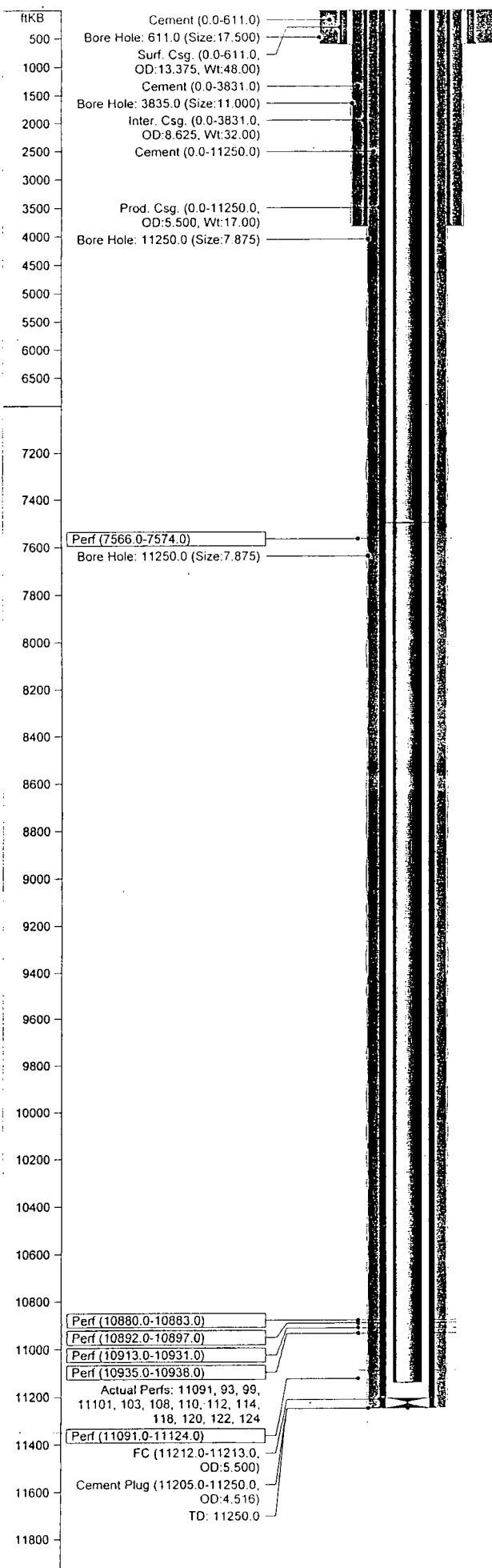
AS OF DATE: 12/96

B.F.I.T. WORTH M\$-----	A.F.I.T. WORTH M\$-----	A.F.I.T. BONUS M\$-----
-------------------------------	-------------------------------	-------------------------------

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

0.	3083.099	2012.414	3096.022
2.	2582.982	1677.754	2377.247
5.	2050.344	1321.983	1735.417
6.	1911.901	1229.493	1584.997
8.	1676.043	1071.772	1341.627
10.	1482.299	941.978	1152.503
20.	867.154	527.442	604.010
30.	535.450	301.704	334.393
40.	328.150	159.597	173.424
50.	187.299	62.486	67.003
60.	85.978	-7.711	-8.190
70.	9.870	-60.665	-63.973
80.	-49.318	-102.007	-106.968
90.	-96.689	-135.213	-141.152
100.	-135.526	-162.526	-169.039

RATE OF RETURN, PCT.	71.7	58.9
UNDISCOUNTED PAYOUT, YRS.	1.10	1.50
DISCOUNTED PAYOUT, YRS.	1.25	1.71
UNDISCOUNTED NET/INVEST.	6.05	4.29
DISCOUNTED NET/INVEST.	3.41	2.53



JAMES RANCH UNIT #71

API No.	3001527927	Status	ACT OIL
TD	11250.0 ftKB	Engineer	KAA
PBTD	11205.0 ftKB		
Operator	BEPCO	Permit	
Well No.	71	Spud	9/14/94
ID Code		RR	10/10/94
Field	LOS MEDANOS	Completion	10/28/94
Author	RAS	Last Act.	
Date Updated	12/28/98	Abandoned	
Comments	Drilled by Enron		

Location

Township	S022	Top Latitude	0
		Top Longitude	0
Range	E030	Top NS Distance	330.0 ft N
		Top EW Distance	660.0 ft E
Section	36	Bottom Latitude	0
Unit Ltr.	A	Bottom Longitude	0
State	NEW MEXICO	Btm NS Distance	0.0 ft
County	EDDY	Btm EW Distance	0.0 ft

Elevations

KB	3338.7 ft	Cas Flng	0.0 ft
Grd	3322.0 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
13 3/8 in Surf. Csg.	0.0	611.0	14	12.720	48.00	H-40	

Casing String - Intermediate Casing

Item (in)	Top (ftKB)	Btm (ftKB)	Jnts	ID	Wt	Grd	Thd
8 5/8 in Inter. Csg.	0.0	3831.0	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	1250.0	262	4.890	17.00	P-110	LTC
5 1/2 in FC	1212.0	1213.0		0.000	0.00		

Casing Cement

Casing String	Top (ftKB)	Amount (sx)	Comments
Surface Casing	0.0	625	
Intermediate Casing	0.0	1525	
Production Casing	0.0	2254	

Tubing String - Primary Tubing

Item (in)	Top (ftKB)	Btm (ftKB)	Jnts	ID (in)	Wt	Grd	Thd
2 7/8 in Tbg	0.0	7499.0	240	2.441	6.50	N-80	8rd
5 1/2 in Baker Model B TAC	7499.0	7502.0		2.875	0.00		
2 7/8 in Tbg	7502.0	11143.0	117	2.441	6.50	N-80	8rd
2 7/8 in Mech. SN w/strainer	11143.0	11144.0		0.000	0.00		

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

Date	Item	Int (ftKB)
10/10/94	Cement Plug	11205.0 - 11250.0

Perforations

Date	Int	Shots (/ft)	Status
10/16/94	11091.0 - 11124.0	0.4	
10/20/94	10880.0 - 10883.0	1.0	
10/20/94	10892.0 - 10897.0	1.0	
10/20/94	10913.0 - 10931.0	1.0	
10/20/94	10935.0 - 10938.0	1.0	
11/15/96	7566.0 - 7574.0	4.0	

Stimulations & Treatments

Date	Type	Interval	Fluid	Sand	Comments
10/27/94	Sand Frac	10880.0 - 11124.0			
11/20/96	Sand Frac	7566.0 - 7574.0			

WELL HISTORY

WELL NAME: James Ranch Unit No. 71

FIELD NAME: Los Medanos (Bone Spring/Wolfcamp)

LOCATION: 330' FNL & 660' FEL, Sec 36, T22S, R30E, Ut A
Eddy County, New Mexico

ELEV: 3322' GL, 3338.7' KB

SPUD DATE: 9/14/94

COMP DATE: 10/30/94

ORIG TD: 11,250'

ORIG PBTD: 11,205'

CASING: 13-3/8" 48# H-40 ST&C CSA 611' w/625 sx, cmt circ, 17-1/2" hole 0-615'.
8-5/8" 32# K-55 ST&C CSA 3831' w/1525 sx, cmt circ, 11" hole 615-3835'.
5-1/2" 17# P-110 LT&C CSA 11,250' w/2254 sx, cmt circ, 7-7/8" hole 3835-11,250'.

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

DST: None

CORES & LOGS: 10/08/94: DIL 3831-11,243', SDL/DSN 100-11,243'
10/16/94: GR/CCL 6800-7912', 8600-9011', 10,650-11,190'

INITIAL COMPLETION

10/15/94-11/8/94

Run GR/CCL 6800-7912', 8600-9011', 10,650-11,190'. PBTD 11,190'.

10/16/94 **Perf Wolfcamp 11,091', 093', 099', 11,101', 103', 108', 110', 112', 114', 118', 120', 122', 124', 1 SPF. Set pkr @ 10,945'. Acidized perfs 11,091-124' w/2000 gals 7-1/2% NEFE HCL + 26 ball sealers. Flow & swab well. Rel pkr & POH.**

10/20/94 **Perf 3rd Bone Springs sd 10,880-883', 10,892-897', 10,913-931', 10,935-938', 1 SPF. Set Loc-set BP @ 11,006' & pkr @ 10,734'. Acidized perfs 10,880-938' w/2000 gals 7-1/2% NEFE HCL & 66 ball sealers. Flow & swab well. SI for buildup. Ran BHP bombs. Pull BHP bombs. Rel pkr & BP. **Frac Wolfcamp & Bone Spring** perfs 10,880-11,124' w/125,000 gals Medallion 3000 fluid containing 2% KCL & 7.5 gals LFC 3B, 1.22 GPT BF-10L, .8 gals XLW 60, .5 GPT GBW-12, 1 GPT NE 15, 1 GPT Cla 6, 3 GPT Xcide 207, & 325,000# 20/40 econo prop sd. Flow well up csg.
IP: 11/8/94 24 hrs F 223 BO, 60 BW, 301 MCF, FCP 400#.**

**JAMES RANCH UNIT #71
WELL HISTORY**

WORKOVERS

11/29/94-12/20/94

CO FRAC SAND

Tag sd fill @ 10,922'. Circ sd out of hole to 11,204'. Swab test well. Well started flwg. Ran prod logs 10,880-937' & 11,103-11,123'.

AWO: 12/20/94 24 hrs F 96 BO, 45 BW, 177 MCF on 22/64" chk. FTP 100#, CP 1600#, LP 47#.

5/18/95-6/4/95

TEST BONE SPRINGS & WOLFCAMP PERFS

Tag PBDT @ 11,205'. Set pkr @ 11,023' (between perfs 10,880-930' & 11,091-124'). Swab and flow well. Flow testing Wolfcamp perfs on 30/64" chk. Flwd 33.4 BO, 0 BW, & 22 MCF in 24 hrs. Set Baker FWP blanking plug in SN @ 10,994'. Performed pulse test - 1st pulse: open annulus on 10/64" chk, flwd 45 mins, opened to 15/64" chk for additional 45 mins. Made 17.5 BO + 2 BW. SI annulus for 1-1/2 hrs. SITP static @ 680#, SICP built from 360-495#. 2nd pulse: opened annulus on 12/64" chk, flwd 1-1/2 hrs. Made 18 BO + 1 BW. SI 1-1/2 hrs. SITP static @ 660#, SICP built from 558-640#. 3rd pulse: Open on 22/64" chk for 1-1/2 hrs. Made 64 BO. SI for 1-1/2 hrs. SITP built from 660-890#, annulus built from 745-940#. Open annulus to frac tank overnite on 48/64" chk, made additional 164 BO overnite. During nite SITP fell from 890-660#. POH w/tbg plug. Open well on 40/64" chk. Rel pkr & press gauges. Set Otis "PSL" pkr & 2-7/8" tbg @ 10,840.72'. Swab 30 BO & well flowed. Flwg on 30/64" chk. Turn well to flwg thru prod equip.

AWO: 6/8/95 24 hr P 61 BO, 45 BW, & 134 MCF.

11/15/96 to 11/25/96

PERF & FRAC 7566-7574'(BRUSHY CANYON).

Set CIPB @ 10,516'. Ran CCL-CBL.

11/15/96

Perf: 7566-7574 , 4 SPF 0° phased. **Spotted** 500 gals 7 1/2% Fercheck SC acid. Break Fm w/2975 psig, treated @ 2 PBM w/1490 psig. ISIP 1150 psig, 5 min 925 psig. **Frac** 7566-74' w/28,000 gals Delta frac w/96,500# 20/40 Brown sd + 24,000# 16/30 Brown Sd w/0.5% Prop Wrap. Swabbed, kicked off & flowed. Left flowing to tanks.

12/5/96

Well loaded up, swab well to tank, kick well off in 4 runs. Ran radioactive tracer log.

12/20/96 to 12/21/96 PUT WELL ON PUMP.

Kill well, RIH w/tbg & rods. SI well for build-up, well flowed 6 days. Started pumping 1-2-97.

2/25/97 TO 3/6/97

DRILL OUT CIBP & COMMINGLE.

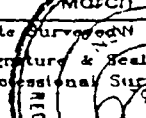
Drill out CIBP & tag PBDT @ 11, 205'. Open csg to test tank then sales line. Killed well, ran tbg, rods & pump. Place well on pump.

AWO: 3/10/97 117 BO, 55 BW, 158 MCFG.

9/14/98 TO 9/18/98

POLISHED ROD PART/BAIL SAND FILL

POH & found polished rod thread pulled out of 1st cplg. Tag sand fill @ 11,090'. Bailed sand to 11,158', found some rubber and large amount of cast iron metal cutting after POH. RIH w/tbg, pump and rods. Place well on production.

	March 29, 1994 DATE Signature & Seal of Professional Engineer 1977 John W. West No. 94 - TX - 0558
Certificate No.	JOHN W. WEST. ROMALO J. EIDSON. GARY L. JONES. 1977

Submit to Addressee
District Office
State Lease - 6 copies
For Lease - 5 copies
DISTRICT I
P.O. Box 1980, Hobbs, NM 87401

DISTRICT II
P.O. Drawer DD, Aztec, NM 87410

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

State of New Mexico

Energy, Minerals and Natural Resources Department

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

FEI

WID FRIEDRICH

Form C-105

Revised 1-1-87

DEC - 5 1994

WELL API NO.

30 015 27927

5. Indicate Type of Lease

STATE ☒

FEE ☐

6. State Oil & Gas Lease No.

E-5229-4

7. Lease Name or Unit Agreement Name

James Ranch Unit

8. Well No.

71

9. Pool name or wildcard

Und. Bone Spring/Wolfcamp

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well:

OIL WELL ☒

GAS WELL ☐

DRY ☐

OTHER ☐

1b. Type of Completion:

NEW WELL ☒

WORK OVER ☐

DEEPEN ☐

PLUG BACK ☐

DRY RESERVE ☐

OTHER ☐

2. Name of Operator

Enron Oil & Gas Company

3. Address of Operator

P. O. Box 2267, Midland, Texas 79702

4. Well Location

Unit Letter A : 330 Feet From The north Line and 660 Feet From The east Line

Section 36 Township 22S Range 30E NMPM Eddy County

10. Date Spudded

9-14-94

11. Date T.D. Reached

10-6-94

12. Date Compl. (Ready to Prod.)

10-15-94

13. Elevations (DF & RXB, RT, GR, etc.)

3322' GR

14. Elev. Casinghead

3322'

15. Total Depth

11,250

16. Plug Back T.D.

11,205

17. If Multiple Complet. How Many Zones?

18. Intervalls Drilled By

Rotary Tools

X

Cable Tools

19. Producing interval(s) of this completion - Top, Bottom, Name

11091-11124 (Wolfcamp) & 10880-10938 (Bone Spring)

20. Was Directional Survey Made?

No

21. Type Electric and Other Logs Run

SDL-DSN, DIL

22. Was Well Cored

No

23.

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB/FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8	48	611	17-1/2	625 C1 C	Circulated
8-5/8	32	3831	11	1300 PSL C & 225 C1 C	Circulated
5-1/2	17	11250	7-7/8	1189 Super H & 1065 C1 H	

24.

LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					None		

25. TUBING RECORD

26. Perforation record (interval, size, and number)

11091-11124 (.38" 13)

10880-10938 (.38" 29)

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

DEPTH INTERVAL | AMOUNT AND KIND MATERIAL USED

11091-11124 | 2000 gal 7-1/2% NaFe HCL

10880-10938 | 2000 gal 7-1/2% NaFe HCL

10880-11124 | 125,000 gal Medallion 3000

28.

PRODUCTION

Fluid & 325,000# 20/40 Fcano Prop

Date First Production

10-27-94

Production Method (Flowing, gas lift, pumping - Size and type pump)

Flowing

Well Status (Prod or Shut-in)

Producing

Date of Test

11-5-94

Hours Tested

24

Coke Size

18/64

Prod's For Test Period

Oil - Bbl

169

Gas - MCF

295

Water - Bbl

127

Gas - Oil Ratio

1746

Flow Tubing Press.

Casing Pressure

640

Calculated 24-Hour Rate

Oil - Bbl

Gas - MCF

Water - Bbl

Oil Gravity - API - (Corr.)

40.0

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

Vented

Test Witnessed By

30. List Addressees

Loes. Inclination Report C-104

31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature

Betty Gildon

Printed Name

Betty Gildon

Title

Regulatory Analyst Date 11/9/94

XC: MANGAN, MCCREIGHT, WHITE, CLARK, SMITHERMAN

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 25 through 29 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northwestern New Mexico

Southeastern New Mexico		Northwestern New Mexico	
Rustler	310	T. Canyon	T. Ojo Alamo
T. Abo		T. Strawn	T. Kirdland-Fruitland
T. Salt		T. Atoka	T. Picured Cliffs
B. Salt	3610	T. Miss	T. Cliff House
T. Yates		T. Devonian	T. Menefee
T. 7 Rivers		T. Silurian	T. Point Lookout
T. Queen		T. Montoya	T. Mancos
T. Grayburg		T. Simpson	T. Gallup
T. San Andres		T. McKee	Base Greenhorn
T. Gloriana		T. Ellenburger	T. Dakota
T. Paddock		T. Gr. Wash	T. Morrison
T. Blinberry		T. Delaware Sand	T. Todilto
T. Tubb		T. Bone Springs	T. Entrada
T. Drinkard		T. 3rd B.S. Sand	T. Wingate
T. Abo		T. Wolfcamp	T. Chinle
T. Wolfcamp		T. _____	T. Permian
T. Perm		T. _____	T. Perm "A"
T. Cisco (Bough C)			

OIL OR GAS SANDS OR ZONES

No. 1. from 10880 to 10938 Bone Spring No. 3. from _____ to _____
No. 2. from 11091 to 11124 Wolfcamp No. 4. from _____ to _____

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1. from None to few
No. 2. from to few
No. 3. from to few

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness in Feet	Lithology	From	To	Thickness in Feet	Lithology
0	615	615	Surface Rock				
615	2405	1790	Red Bed				
2405	3665	1260	Salt, Anhy				
3665	4585	920	Dolo, Anhy				
4585	11250	6665	Sand, Shale, LS				

WORKSHEET FOR COMMERCIAL DETERMINATION AND PARTICIPATING AREA IN FEDERAL UNITS

WELL DATA

WELL _____ JAMES RANCH UNIT NO. 71 _____ FORMATION _____ BONE SPRING _____

LOCATION _____ A _____ UNIT, _____ 330 _____ FEET FROM _____ N _____ LINE & _____ 660 _____ FEET FROM _____ E _____ LINE

SECTION _____ 36 _____ TOWNSHIP _____ 22S _____, RANGE _____ 30E _____, COUNTY _____ EDDY _____, NEW MEXICO

SPUD DATE _____ 9/14/94 _____ COMPLETION DATE _____ 10/15/94 _____ INITIAL PRODUCTION _____ 10/27/94 _____

PERFORATIONS _____ 10,880-10,938' _____

STIMULATION:

ACID _____ PERFS 10,880-10,938' - 2000 GALS 7-1/2% NEFE HCL & 66 BALL SEALERS _____

FRACTURE _____ PERFS 10,880-11,124' - 125,000 GALS MEDALLION 3000 FLUID + ADDITIVES & 325,000# 20/40 _____

_____ ECONOPROP. _____

POTENTIAL _____ PERFS 10,880-11,124' - 11/5/1994 169 BOPD, 127 BWPD, & 295 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), %	12.0%	_____	_____	_____
Water saturation (Sw), %	50%	_____	_____	_____
Net Thickness (h), ft.	24	_____	_____	_____
Temperature (T), Fahrenheit	170	_____	_____	_____
Bottom Hole pressure (P), psia	5,891	_____	_____	_____
Recovery factor (RF), %	17%	_____	_____	_____
Recoverable oil, BBLS *(See eq. below)	54,262	_____	_____	_____

* 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 ; 31,179	BBLs
INITIAL RATE (qi)	86	
ECONOMIC LIMIT (ql)	60	
DECLINE RATE, dy	Hyperbolic d = 19.60% n = .89	
REMAINING OIL (Q) =	1,421	
ULTIMATE RECOVERABLE OIL	32,600	

(Attach plot showing proration unit and participating area.)

ECONOMIC

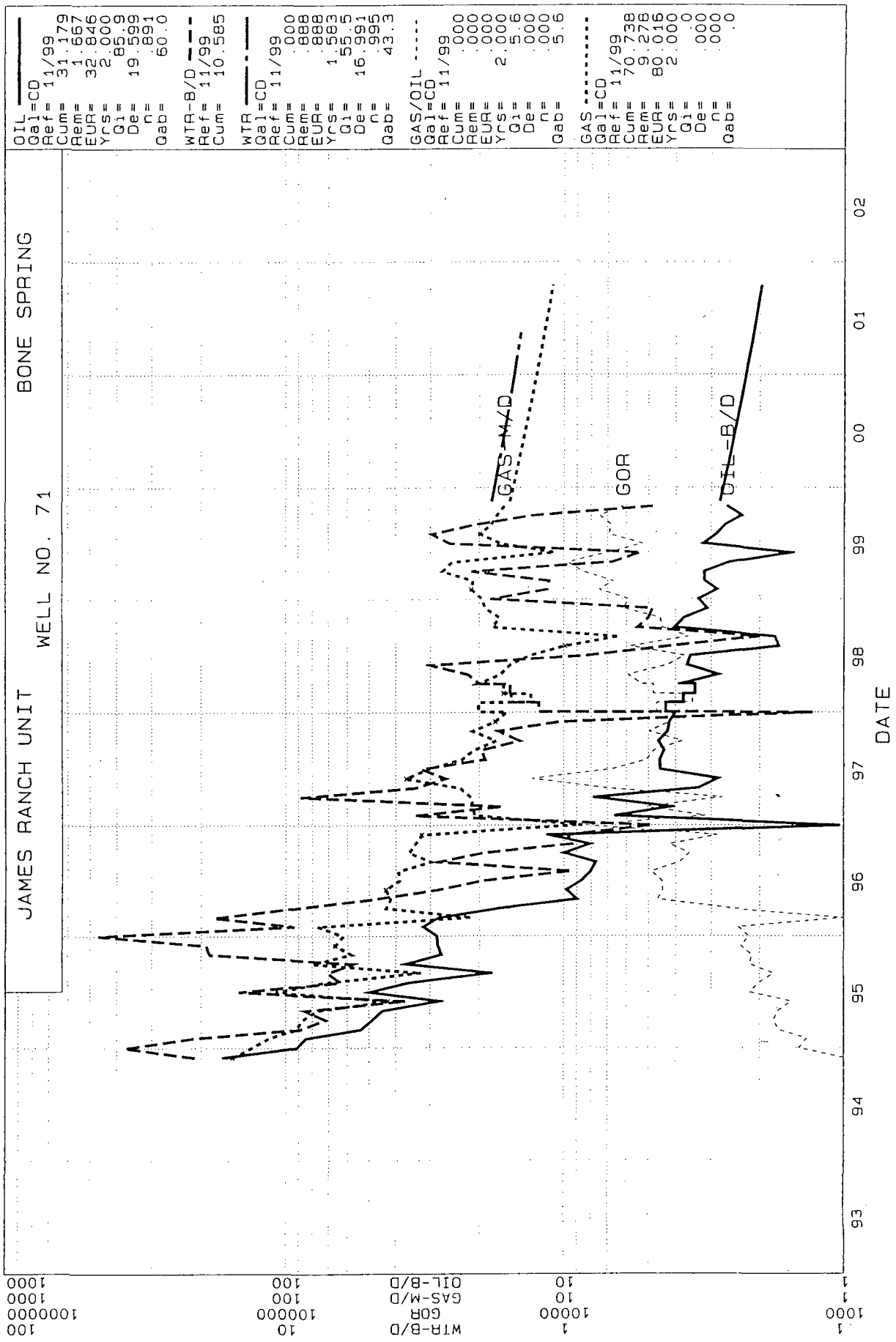
WELL COST \$ 825,000 (to the depth of formation completed)

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	7,900	123,700	11,500	111,300
2	14,700	267,200	34,000	218,300
3	4,500	114,400	22,800	77,500
4	1,700	46,900	17,900	22,300
5	1,200	23,900	34,000	5,400
6	1,100	3,100	16,600	9,000
7	900	29,800	16,500	7,500
8	600	16,900	12,000	2,500
9				
10				
REMAINDER				

WELL IS NOT COMMERCIAL



JAMES RANCH UNIT WELL NO. 71 BONE SPRING

OIL=CD	
Ref=	11/99
Cum=	31.179
Rem=	1.667
EUR=	32.846
Yrs=	2.000
Gi=	85.9
De=	19.599
n=	891
Qab=	60.0
WTR-B/D	
Ref=	11/99
Cum=	10.585
WTR=CD	
Ref=	11/99
Cum=	.000
Rem=	.888
EUR=	1.583
Yrs=	55.5
Gi=	16.991
De=	.995
n=	43.3
Qab=	43.3
GAS/OIL	
Ref=	11/99
Cum=	.000
Rem=	.000
EUR=	.000
Yrs=	2.000
Gi=	5.6
De=	.000
n=	.000
Qab=	5.6
GAS=CD	
Ref=	11/99
Cum=	70.738
Rem=	9.278
EUR=	80.016
Yrs=	2.000
Gi=	0
De=	.000
n=	.000
Qab=	.0

JRU #71 BONE SPRING

DATE : 02/07/00
TIME : 13:43:06
DBS FILE : JRUPA
SETUP FILE : CD
SEQ NUMBER : 47

ITEM	I N P U T D A T A				C A L C U L A T E D D A T A			
	SCHEDULING RATES	SCHEDULE UNTIL	PROCEDURE	ULTIMATE	LAST	EFF. DECL	INIT. RATE	FINAL RATE
405 START	11/99							
410 OIL	85.93 X B/M	1.67 IMU	H/0.891	19.60	10/01	19.60	86.	60.
415 GAS/OIL	5.57 M/B	01/2097 AD	LIN	TIME	12/96			
420 WTR	55.54 X B/M	.89 IMU	H/0.995	16.99	.888	5/01	16.99	56.
425 START	11/94							43.
516 PRI/OIL	16.8800 X \$/B	1/95 MM/YY	PC	.00	10/01		16.880	16.880
517 "	18.39 X \$/B	1/96 AD	PC	.00	10/01		18.390	18.390
518 "	22.26 X \$/B	1/97 AD	PC	.00	10/01		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	10/01		20.670	20.670
524 "	19.20 X \$/B	1/2003 AD	PC	.00	10/01		19.200	20.670
525 "	18.18 X \$/B	1/2004 AD	PC	.00	10/01		18.180	20.670
526 "	18.13 X \$/B	TO LIFE	PC	.00	10/01		18.130	20.670
531 PRI/GAS	1.8900 X \$/M	1/95 MM/YY	PC	.00	10/01		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	10/01		2.580	2.580
539 "	2.57 X \$/M	TO LIFE	PC	.00	10/01		2.570	2.580
544 OPC/T	1190.00 X \$/M	TO LIFE	SCH	OPC	10/01		1190.000	1190.000
549 STX/OIL	7.08 X \$	TO LIFE	PC	.00	10/01		.071	.071
554 STX/GAS	7.93 X \$	TO LIFE	PC	.00	10/01		.079	.079
559 ATX	.17 X \$	TO LIFE	PC	.00	10/01		.002	.002
564 PRI/OIL	-.9100 X \$/B	TO LIFE	PC	.00	10/01		-.910	20.670
569 PRI/GAS	-.1300 X \$/M	TO LIFE	PC	.00	10/01		-.130	2.580
700 LSE/WI	100.0000 D \$	TO LIFE	FLAT	.00	10/01		1.000	1.000
701 OWN/WI	100.0000 D \$	TO LIFE	FLAT	.00	10/01		1.000	1.000
720 LSE/RIC	12.5000 D \$	TO LIFE	FLAT	.00	10/01		.125	.125
721 OWN/RIC	.0000 D \$	TO LIFE	FLAT	.00	10/01		.125	.125
740 LSE/RIG	12.5000 D \$	TO LIFE	FLAT	.00	10/01		.125	.125
760 LSE/ORR	.0000 D \$	TO LIFE	FLAT	.00	10/01		.125	.125
761 OWN/ORR	.0000 D \$	TO LIFE	FLAT	.00	10/01		.125	.125

OVERLAYS	SCHEDULING RATES	SCHEDULE UNTIL	PROCEDURE	ULTIMATE	LAST	EFF. DECL	INIT. RATE	FINAL RATE
905 LOAD	P.OIL OIL #			31.258	2/00			
910 LOAD	P.GAS GAS #			71.226	2/00			
915 LOAD	P.WATER WTR #			10.585	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 MSG	11/94 AD	825.000	11/94		825.0	825.0
801 SALVAGE	-33.00	.00 MSG	TO LIFE	-33.000	10/ 1		-33.0	-33.0

RESERVE PARAMETERS	ITEM
201 LOSS	NO
205 CUMO, MB	31.18

PROJECT ASSUMPTIONS	ITEM
201 LOSS	NO
205 CUMO, MB	31.18
70.74	CUML, MB

BASE DATE : 11/94
 P.W. DATE : 11/94
 REPORT DATE : 11/94
 TIME FRAMES : 1*2 38*12 1*600
 PW %-AGE : 10.0
 PROD QUAL : CD
 DISC. FREQUENCY : 365.
 OWNER QUAL : CD
 OTHER QUAL : CD

JRU #71 BONE SPRING

DATE : 02/07/00
 TIME : 13:43:06
 DBS FILE : JRUPA
 SETUP FILE : CD
 SEQ NUMBER : 47

RESERVES AND ECONOMICS

EFFECTIVE DATE: 11/94

PERIOD ENDING 12/94 12/95 12/96 12/97 12/98 12/99 12/00 12/01 6.9 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
 2) REVENUE INTEREST, % 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
 4) EQUITY INVESTMENTS 825.0 .0 .0 .0 .0 .0 .0 .0 .0 .0
 5) RISK .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
 7) TOTAL 825.0 .0 .0 .0 .0 .0 .0 .0 .0 .0

OIL PHASE

8) GROSS OIL, MB 7.9 14.7 4.5 1.7 1.2 1.1 .9 .6 32.6
 9) NET OIL, MB 6.9 12.8 4.0 1.5 1.1 1.0 .8 .5 28.5
 10) OIL REVENUE, M\$ 110.2 224.4 84.9 29.2 14.4 17.7 18.7 10.0 509.5
 11) OIL PRICE, \$/B 15.97 17.48 21.35 19.83 13.52 18.34 24.03 19.76 17.88

GAS PHASE

12) GROSS GAS, MMF 8.7 27.0 13.6 8.2 5.5 7.1 5.1 3.2 78.6
 13) NET GAS, MMF 7.7 23.7 11.9 7.2 4.8 6.2 4.5 2.8 68.7
 14) GAS REVENUE, M\$ 13.5 42.8 29.5 17.7 9.5 13.3 11.1 6.9 144.3
 15) GAS PRICE, \$/MCF 1.760 1.810 2.480 2.460 1.980 2.140 2.470 2.450 2.099

WATER PHASE

16) GROSS WATER, MB 1.8 5.1 1.6 1.0 .5 .5 .1 .0 10.6
 17) NET WATER, MB 1.8 5.1 1.6 1.0 .5 .5 .1 .0 10.6
 18) WATER PRICE, \$/B .000 .000 .000 .000 .000 .000 .000 .000 .000

ECONOMICS, M\$

19) GROSS REV. TO INTR. 123.7 267.2 114.4 46.9 23.9 31.0 29.8 16.9 653.8
 20) - SEV. TAX 8.9 19.3 8.3 3.5 1.8 2.3 2.2 1.3 47.5
 22) - AD VALOREM TAX .2 .4 .2 .1 .0 .0 .0 .0 1.0
 23) - OPERATING COSTS 2.4 14.3 14.3 14.3 14.3 14.3 14.3 10.7 98.8
 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 .0 .0 .0 .0 .0 .0 .0 .0 .0
 28) = NET INCOME 112.2 233.3 91.6 29.1 7.8 14.4 13.3 4.9 506.5
 29) - INVESTMENTS & RSK 825.0 .0 .0 .0 .0 .0 .0 .0 .0
 30) = BFIT NET -712.8 233.3 91.6 29.1 7.8 14.4 13.3 37.9 -285.5

PRESENT WORTH @ 10.00 %

31) NET INCOME 111.3 218.3 77.5 22.3 5.4 9.0 7.5 2.5 454.0
 32) INVESTMENTS & RISK 825.0 .0 .0 .0 .0 .0 .0 .0 808.3
 33) BFIT NET -713.7 218.3 77.5 22.3 5.4 9.0 7.5 19.2 -354.4
 34) CUM BFIT NET -713.7 -495.4 -417.9 -395.6 -390.1 -381.1 -373.6 -354.4 -354.4

DATE : 02/07/00
 TIME : 13:43:06
 DES FILE : JRUPA
 SETUP FILE : CD
 SEQ NUMBER : 47

AFTER TAX ECONOMICS

PERIOD ENDING	12/94	12/95	12/96	12/97	12/98	12/99	12/00	12/01	6.9 YR TOTAL
TAX TREATMENT OF INVESTMENTS, M\$									
1) EXP, RISK & CAP INT	495.0	.0	.0	.0	.0	.0	.0	.0	495.0
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.	123.7	267.2	114.4	46.9	23.9	31.0	29.8	16.9	653.8
5) - SEVERANCE TAX	8.9	19.3	8.3	3.5	1.8	2.3	2.2	1.3	47.5
6) - WPT TAX NET	.0	.0	.0	.0	.0	.0	.0	.0	.0
7) - OPR. COSTS & ATX	2.6	14.7	14.5	14.4	14.3	14.3	14.3	10.7	99.8
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.	495.0	.0	.0	.0	.0	.0	.0	.0	495.0
11) - DEPRECIATION	7.9	52.7	77.0	55.0	39.3	29.5	29.5	39.3	330.0
12) = NET	-390.6	180.5	14.6	-25.9	-31.4	-15.1	-16.2	-34.4	-318.5
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	-390.6	180.5	14.6	-25.9	-31.4	-15.1	-16.2	-34.4	-318.5
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.	-136.7	63.2	5.1	-9.1	-11.0	-5.3	-5.7	-12.0	-111.5
20) REVENUE-SEV-WPT	114.8	248.0	106.0	43.5	22.1	28.7	27.6	15.6	606.3
21) - OPR. COSTS & ATX	2.6	14.7	14.5	14.4	14.3	14.3	14.3	10.7	99.8
22) + NPI OWNED - PAID	.0	.0	.0	.0	.0	.0	.0	.0	.0
23) - F.I.T.	-136.7	63.2	5.1	-9.1	-11.0	-5.3	-5.7	-12.0	-111.5
24) = A.F.I.T.	249.0	170.1	86.5	38.2	18.8	19.7	18.9	16.9	618.0
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	249.0	170.1	86.5	38.2	18.8	19.7	18.9	16.9	618.0
28) - INVESTMENTS & RSK	825.0	.0	.0	.0	.0	.0	.0	-33.0	792.0
29) = A.F.I.T. NET	-576.0	170.1	86.5	38.2	18.8	19.7	18.9	49.9	-174.0
PRESENT WORTH @ 10.00 %									
30) NET INCOME	246.9	159.2	73.2	29.2	13.1	12.3	10.8	8.8	553.4
31) INVESTMENTS & RISK	825.0	.0	.0	.0	.0	.0	.0	-16.7	808.3
32) A.F.I.T. NET	-578.1	159.2	73.2	29.2	13.1	12.3	10.8	25.5	-254.9
33) CUM. A.F.I.T. NET	-578.1	-418.9	-345.7	-316.5	-303.4	-291.1	-280.3	-254.9	-254.9

JRU #71 BONE SPRING

DATE : 02/07/00
 TIME : 13:43:06
 DBS FILE : JRUPA
 SETUP FILE : CD
 SEQ NUMBER : 47

ECONOMIC INDICATORS

AS OF DATE: 11/94

B.F.I.T. WORTH M\$-----	A.F.I.T. WORTH M\$-----	A.F.I.T. BONUS M\$-----
-------------------------------	-------------------------------	-------------------------------

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

0.	-285.503	-174.027	-267.734
2.	-301.356	-192.906	-292.934
5.	-323.018	-218.463	-325.868
6.	-329.731	-226.322	-335.722
8.	-342.473	-241.149	-353.962
10.	-354.377	-254.889	-370.452
20.	-403.860	-310.666	-433.258
30.	-441.387	-351.259	-474.709
40.	-471.170	-382.276	-503.927
50.	-495.669	-406.977	-525.698
60.	-516.375	-427.319	-542.669
70.	-534.232	-444.519	-556.382
80.	-549.866	-459.362	-567.779
90.	-563.710	-472.376	-577.462
100.	-576.080	-483.933	-585.835

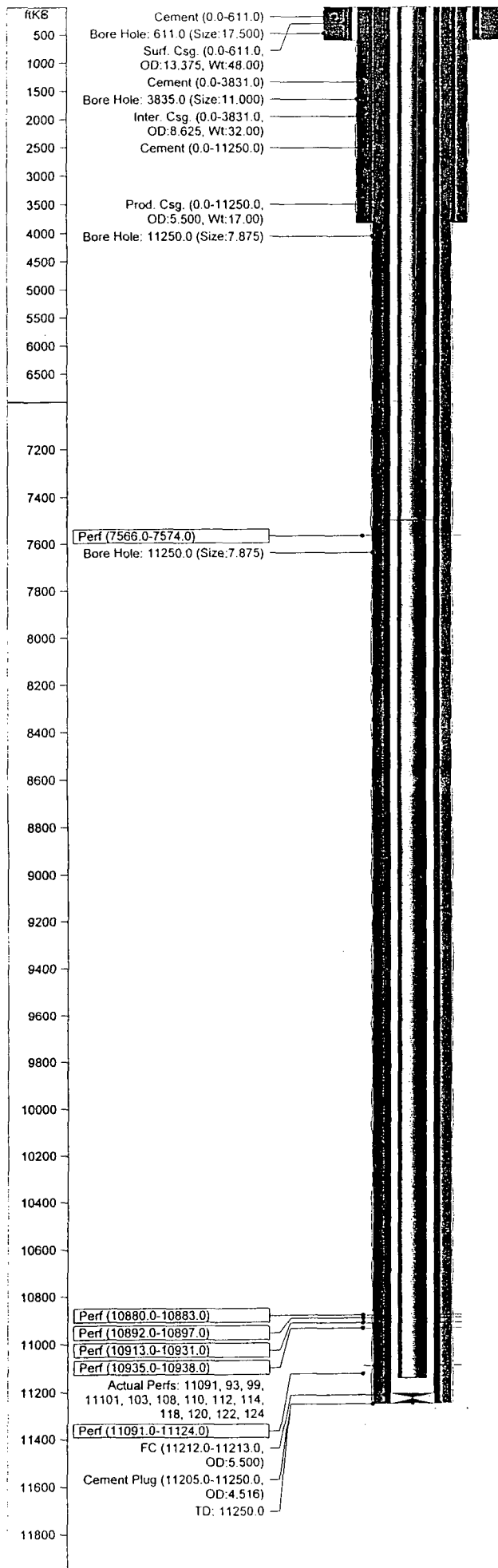
RATE OF RETURN, PCT. .0

UNDISCOUNTED PAYOUT, YRS. 6.92 6.92

DISCOUNTED PAYOUT, YRS. 6.92 6.92

UNDISCOUNTED NET/INVEST. .64 .78

DISCOUNTED NET/INVEST. .56 .68



JAMES RANCH UNIT #71

API No.	3001527927	Status	ACT OIL
TD	11250.0 ftKB	Engineer	KAA
PBTD	11205.0 ftKB		
Operator	BEPCO	Permit	
Well No.	71	Spud	9/14/94
ID Code		RR	10/10/94
Field	LOS MEDANOS	Completion	10/28/94
Author	RAS	Last Act.	
Date Updated	12/28/98	Abandoned	
Comments	Drilled by Enron		

Location

Township	S022	Top Latitude	0
		Top Longitude	0
Range	E030	Top NS Distance	330.0 ft N
		Top EW Distance	660.0 ft E
Section	36	Bottom Latitude	0
Unit Ltr.	A	Bottom Longitude	0
State	NEW MEXICO	Btm NS Distance	0.0 ft
County	EDDY	Btm EW Distance	0.0 ft

Elevations

KB	3338.7 ft	Cas Flng	0.0 ft
Grd	3322.0 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
13 3/8 in Surf. Csg.	0.0	611.0	14	12.720	48.00	H-40	

Casing String - Intermediate Casing

Item (in)	Top (ftKB)	Btm (ftKB)	Jnts	ID	Wt	Grd	Thd
8 5/8 in Inter. Csg.	0.0	3831.0	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	1250.0	262	4.890	17.00	P-110	LTC
5 1/2 in FC	1212.0	1213.0		0.000	0.00		

Casing Cement

Casing String	Top (ftKB)	Amount (sx)	Comments
Surface Casing	0.0	625	
Intermediate Casing	0.0	1525	
Production Casing	0.0	2254	

Tubing String - Primary Tubing

Item (in)	Top (ftKB)	Btm (ftKB)	Jnts	ID (in)	Wt	Grd	Thd
2 7/8 in Tbg	0.0	7499.0	240	2.441	6.50	N-80	8rd
5 1/2 in Baker Model B TAC	7499.0	7502.0		2.875	0.00		
2 7/8 in Tbg	7502.0	11143.0	117	2.441	6.50	N-80	8rd
2 7/8 in Mech. SN w/strainer	11143.0	11144.0		0.000	0.00		

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

Date	Item	Int (ftKB)
10/10/94	Cement Plug	11205.0 - 11250.0

Perforations

Date	Int	Shots (/ft)	Status
10/16/94	11091.0 - 11124.0	0.4	
10/20/94	10880.0 - 10883.0	1.0	
10/20/94	10892.0 - 10897.0	1.0	
10/20/94	10913.0 - 10931.0	1.0	
10/20/94	10935.0 - 10938.0	1.0	
11/15/96	7566.0 - 7574.0	4.0	

Stimulations & Treatments

Date	Type	Interval	Fluid	Sand	Comment
0/27/94	Sand Frac	10880.0 - 11124.0			
1/20/96	Sand Frac	7566.0 - 7574.0			

WELL HISTORY

WELL NAME: James Ranch Unit No. 71

FIELD NAME: Los Medanos (Bone Spring/Wolfcamp)

LOCATION: 330' FNL & 660' FEL, Sec 36, T22S, R30E, Ut A
Eddy County, New Mexico

ELEV: 3322' GL, 3338.7' KB

SPUD DATE: 9/14/94

COMP DATE: 10/30/94

ORIG TD: 11,250'

ORIG PBTD: 11,205'

CASING: 13-3/8" 48# H-40 ST&C CSA 611' w/625 sx, cmt circ, 17-1/2" hole 0-615'.
8-5/8" 32# K-55 ST&C CSA 3831' w/1525 sx, cmt circ, 11" hole 615-3835'.
5-1/2" 17# P-110 LT&C CSA 11,250' w/2254 sx, cmt circ, 7-7/8" hole 3835-11,250'.

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

DST: None

CORES & LOGS: 10/08/94: DIL 3831-11,243', SDL/DSN 100-11,243'
10/16/94: GR/CCL 6800-7912', 8600-9011', 10,650-11,190'

INITIAL COMPLETION

10/15/94-11/8/94

Run GR/CCL 6800-7912', 8600-9011', 10,650-11,190'. PBTD 11,190'.

10/16/94 **Perf Wolfcamp 11,091', 093', 099', 11,101', 103', 108', 110', 112', 114', 118', 120', 122', 124', 1 SPF.** Set pkr @ 10,945'. **Acidized** perfs 11,091-124' w/2000 gals 7-1/2% NEFE HCL + 26 ball sealers. Flow & swab well. Rel pkr & POH.

10/20/94 **Perf 3rd Bone Springs sd 10,880-883', 10,892-897', 10,913-931', 10,935-938', 1 SPF.** Set Loc-set BP @ 11,006' & pkr @ 10,734'. **Acidized** perfs 10,880-938' w/2000 gals 7-1/2% NEFE HCL & 66 ball sealers. Flow & swab well. SI for buildup. Ran BHP bombs. Pull BHP bombs. Rel pkr & BP. **Frac Wolfcamp & Bone Spring** perfs 10,880-11,124' w/125,000 gals Medallion 3000 fluid containing 2% KCL & 7.5 gals LFC 3B, 1.22 GPT BF-10L, .8 gals XLW 60, .5 GPT GBW-12, 1 GPT NE 15, 1 GPT Cla 6, 3 GPT Xcide 207, & 325,000# 20/40 econo prop sd. Flow well up csg.

IP: 11/8/94 24 hrs F 223 BO, 60 BW, 301 MCF, FCP 400#.

**JAMES RANCH UNIT #71
WELL HISTORY**

WORKOVERS

11/29/94-12/20/94

CO FRAC SAND

Tag sd fill @ 10,922'. Circ sd out of hole to 11,204'. Swab test well. Well started flwg. Ran prod logs 10,880-937' & 11,103-11,123'.

AWO: 12/20/94 24 hrs F 96 BO, 45 BW, 177 MCF on 22/64" chk. FTP 100#, CP 1600#, LP 47#.

5/18/95-6/4/95

TEST BONE SPRINGS & WOLFCAMP PERFS

Tag PBTD @ 11,205'. Set pkr @ 11,023' (between perfs 10,880-930' & 11,091-124'). Swab and flow well. Flow testing Wolfcamp perfs on 30/64" chk. Flwd 33.4 BO, 0 BW, & 22 MCF in 24 hrs. Set Baker FWP blanking plug in SN @ 10,994'. Performed pulse test - 1st pulse: open annulus on 10/64" chk, flwd 45 mins, opened to 15/64" chk for additional 45 mins. Made 17.5 BO + 2 BW. SI annulus for 1-1/2 hrs. SITP static @ 680#, SICP built from 360-495#. 2nd pulse: opened annulus on 12/64" chk, flwd 1-1/2 hrs. Made 18 BO + 1 BW. SI 1-1/2 hrs. SITP static @ 660#, SICP built from 558-640#. 3rd pulse: Open on 22/64" chk for 1-1/2 hrs. Made 64 BO. SI for 1-1/2 hrs. SITP built from 660-890#, annulus built from 745-940#. Open annulus to frac tank overnite on 48/64" chk, made additional 164 BO overnite. During nite SITP fell from 890-660#. POH w/tbg plug. Open well on 40/64" chk. Rel pkr & press gauges. Set Otis "PSL" pkr & 2-7/8" tbg @ 10,840.72'. Swab 30 BO & well flowed. Flwg on 30/64" chk. Turn well to flwg thru prod equip.

AWO: 6/8/95 24 hr P 61 BO, 45 BW, & 134 MCF.

11/15/96 to 11/25/96

PERF & FRAC 7566-7574'(BRUSHY CANYON).

Set CIPB @ 10,516'. Ran CCL-CBL.

11/15/96

Perf: 7566-7574 , 4 SPF 0° phased. **Spotted** 500 gals 7 1/2% Fercheck SC acid. Break Fm w/2975 psig, treated @ 2 PBM w/1490 psig. ISIP 1150 psig, 5 min 925 psig. **Frac** 7566-74' w/28,000 gals Delta frac w/96,500# 20/40 Brown sd + 24,000# 16/30 Brown Sd w/0.5% Prop Wrap. Swabbed, kicked off & flowed. Left flowing to tanks.

12/5/96

Well loaded up, swab well to tank, kick well off in 4 runs. Ran radioactive tracer log.

12/20/96 to 12/21/96 PUT WELL ON PUMP.

Kill well, RIH w/tbg & rods. SI well for build-up, well flowed 6 days. Started pumping 1-2-97.

2/25/97 TO 3/6/97

DRILL OUT CIBP & COMMINGLE.

Drill out CIBP & tag PBTD @ 11, 205'. Open csg to test tank then sales line. Killed well, ran tbg, rods & pump. Place well on pump.

AWO: 3/10/97 117 BO, 55 BW, 158 MCFG.

9/14/98 TO 9/18/98

POLISHED ROD PART/BAIL SAND FILL

POH & found polished rod thread pulled out of 1st cplg. Tag sand fill @ 11,090'. Bailed sand to 11,158', found some rubber and large amount of cast iron metal cutting after POH. RIH w/tbg, pump and rods. Place well on production.

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

DISTRICT II
P.O. Drawer 90, Artesia, NM 88210

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

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised February 10, 1984
Instruction on back
Submit to 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

API Number 30-015-27927	Pool Code 66352	Pool Name UWD S.-E. Quahada Ridge (Bone Springs)
Property Code 1	Property Name JAMES RANCH UNIT	Well Number 71
OGRID No. 001801	Operator Name BASS ENTERPRISES PRODUCTION CO.	Elevation 3322'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	36	22S	30E		330	NORTH	660	EAST	EDDY

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

Dedicated Acres 40	Joint or Infill	Consolidation Code	Order No.
------------------------------	-----------------	--------------------	-----------

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

	OPERATOR CERTIFICATION I hereby certify the information contained herein is true and complete to the best of my knowledge and belief. <u>William R. Dannels</u> Signature William R. Dannels Printed Name Division Drilling Supt. Title <u>4-6-94</u> Date
	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 Surveyed <u>March 29, 1994</u> Signature & Seal of Professional Surveyor
	Certificate No. <u>W.O. 94-117-0558</u> JOHN W. WEST. 676 RONALD J. EDSON. 3239 CARY L. JONES. 7977

Submit to: Appropriate
District Office
State Lease - 6 copies
Fee Lease - 5 copies
DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
O. Drawer DD, Artesia, NM 88210

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

State of New Mexico
Energy, Minerals and Natural Resources Department

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

Form C-105
Revised 1-1-89
DEC - 5 1994

WELL API NO.
30-Q15 27927
1. Indicate Type of Lease
STATE ☒ FEE ☐
6. State Oil & Gas Lease No.
E-5229-4

7. Lease Name or Unit Agreement Name
James Ranch Unit
852

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 ☐ DEEPEN ☐ PLUG BACK ☐ DRY RESERVE ☐ OTHER ☐
2. Name of Operator
Enron Oil & Gas Company
3. Address of Operator
P. O. Box 2267, Midland, Texas 79702
4. Well Location
Unit Letter A : 330 Feet From The north Line and 660 Feet From The east Line
Section 36 Township 22S Range 30E NMPM Eddy County
10. Date Spudded 9-14-94 11. Date T.D. Reached 10-6-94 12. Date Compl. (Ready to Prod.) 10-15-94 13. Elevations (DF & RXB, RT, GR, etc.) 3322' GR 14. Elev. Casinghead 3322'
15. Total Depth 11,250 16. Plug Back T.D. 11,205 17. If Multiple Complet. How Many Zones? 18. Intervals Drilled By Rotary Tools X Cable Tools
19. Producing interval(s), of this completion - Top, Bottom, Name 11091-11124 (Wolfcamp) & 10880-10938 (Bone Spring) 20. Was Directional Survey Made No
21. Type Electric and Other Logs Run SDL-DSN, DIL 22. Was Well Cored No

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB/FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8	48	611	17-1/2	625 C1 C	Circulated
8-5/8	32	3831	11	1300 PSL C & 225 C1 C	Circulated
5-1/2	17	11250	7-7/8	1189 Super H & 1065 C1 H	

24. LINER RECORD					25. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					None		

26. Perforation record (interval, size, and number)			27. ACID, SHOT, FRACTURE CEMENT, SQUEEZE, ETC.	
INTERVAL	SIZE	NUMBER	DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
11091-11124	(.38")	13	11091-11124	2000 gal 7-1/2% NaFe HCl
10880-10938	(.38")	29	10880-10938	2000 gal 7-1/2% NaFe HCl
			10880-11124	125,000 gal Medallion 3000

28. PRODUCTION							
Date First Production 10-27-94		Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing				Well Status (Prod. or Shut-in) Producing	
Date of Test 11-5-94	Hours Tested 24	Choke Size 18/64	Prod's For Test Period	Oil - Bbl 169	Gas - MCF 295	Water - Bbl 127	Gas - Oil Ratio 1746
Flow Testing Pressure -	Casing Pressure 640	Calculated 24-Hour Rate	Oil - Bbl	Gas - MCF	Water - Bbl	Oil Gravity - API - (Corr.) 40.0	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)
Vented

30. Test Agreement
31. Inclination Report, C-104

I hereby certify that the information shown on each page of this form is true and complete to the best of my knowledge and belief.

Signature Betty Gildon Printed Name Betty Gildon Title Regulatory Analyst Date 11/9/94

XC: MANGAN, McCREIGHT, WHITE, CLARK, SMITHERMAN

WORKSHEET FOR COMMERCIAL DETERMINATION AND PARTICIPATING AREA IN FEDERAL UNITS

WELL DATA

WELL _____ JAMES RANCH UNIT NO. 71 _____ FORMATION _____ WOLFCAMP _____
 LOCATION _____ A _____ UNIT, _____ 330 _____ FEET FROM _____ N _____ LINE & _____ 660 _____ FEET FROM _____ E _____ LINE
 SECTION _____ 36 _____ TOWNSHIP _____ 22S _____ RANGE _____ 30E _____ COUNTY _____ EDDY _____, NEW MEXICO
 SPUD DATE _____ 9/14/94 _____ COMPLETION DATE _____ 10/15/94 _____ INITIAL PRODUCTION _____ 10/27/94
 PERFORATIONS _____ 11,091-11,124' _____

STIMULATION:

ACID _____ PERFS 11,091-11,124' - 2000 GALS 7-1/2% NEFE HCL & 26 BALL SEALERS. _____

FRACTURE _____ PERFS 10,880-11,124' - 125,000 GALS MEDALLION 3000 FLUID + ADDITIVES & 325,000# 20/40
 _____ ECONOPROP. _____

POTENTIAL _____ PERFS 10,880-11,124' - 11/5/94 169 BOPD, 127 BWPD, 295 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), %	11.6%	
Water saturation (Sw), %	42%	
Net Thickness (h), ft.	13.5	
Temperature (T), Fahrenheit	170	
Bottom Hole pressure (P), psia	5,998	
Recovery factor (RF), %	27%	
Recoverable oil, BBLS *(See eq. below)	54,077	

*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 ; 10,416 BBLs
 INITIAL RATE (qi) 70
 ECONOMIC LIMIT (ql) 60
 DECLINE RATE, dy Hyperbolic d = 9.33% n = .98
 REMAINING OIL (Q) = 984
 ULTIMATE RECOVERABLE OIL 11,400

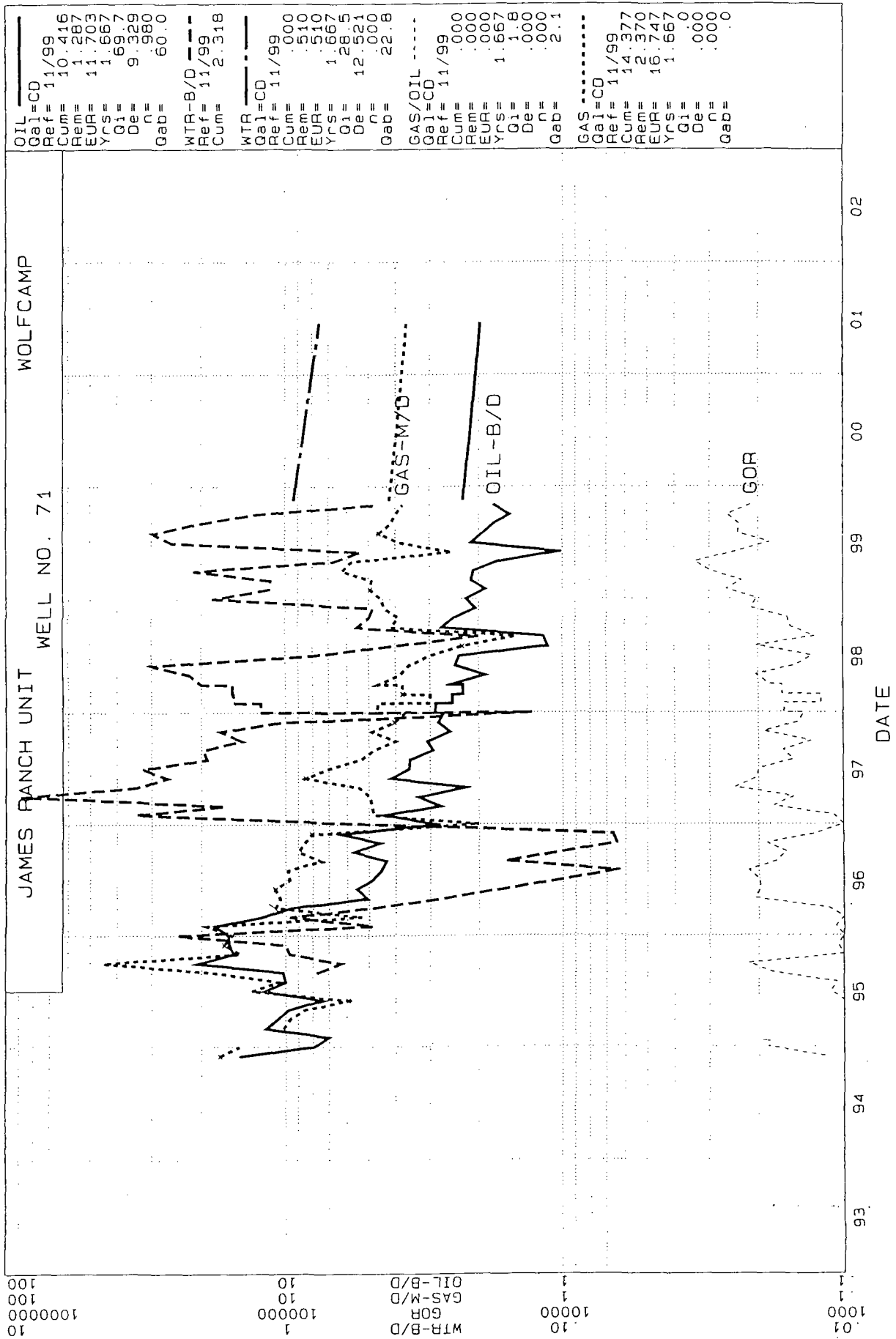
(Attach plat showing proration unit and participating area.)

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	<u>0</u>	<u>0</u>	<u>0</u>	<u>-825,000</u>
1	<u>700</u>	<u>11,100</u>	<u>3,200</u>	<u>7,800</u>
2	<u>4,500</u>	<u>76,100</u>	<u>19,900</u>	<u>52,700</u>
3	<u>2,500</u>	<u>54,600</u>	<u>14,300</u>	<u>30,700</u>
4	<u>1,200</u>	<u>24,200</u>	<u>16,000</u>	<u>6,200</u>
5	<u>800</u>	<u>11,800</u>	<u>15,200</u>	<u>-2,300</u>
6	<u>700</u>	<u>14,900</u>	<u>15,400</u>	<u>-300</u>
7	<u>800</u>	<u>18,900</u>	<u>15,700</u>	<u>1,800</u>
8	<u>300</u>	<u>6,500</u>	<u>6,500</u>	<u>0</u>
9	<u></u>	<u></u>	<u></u>	<u></u>
10	<u></u>	<u></u>	<u></u>	<u></u>
REMAINDER	<u></u>	<u></u>	<u></u>	<u></u>

WELL IS NOT COMMERCIAL



JRU #71 WOLFCAMP

DATE : 02/07/00
 TIME : 13:42:49
 DBS FILE : JRUPA
 SETUP FILE : CD
 SEQ NUMBER : 46

ITEM	I N P U T D A T A				C A L C U L A T E D D A T A			
	SCHEDULING RATES	SCHEDULE UNTIL	PROCEDURE	ULTIMATE	LAST	EFF. DECL	INIT. RATE	FINAL RATE
405 START	11/99							
410 OIL	69.72	X	B/M	1.29 IMU	H/0.980	9.33	70.	60.
415 GAS/OIL	1.84	2.06 M/B	LOG	TIME				
420 WTR	28.46	X	B/M	.51 IMU	EXP	12.52	28.	23.
425 START	11/94							
516 PRI/OIL	16.8800	X	\$/B	1/95	MM/YY	PC		
517 "	18.39	X	\$/B	1/96	AD	PC	16.880	16.880
518 "	22.26	X	\$/B	1/97	AD	PC	18.390	18.390
519 "	20.74	X	\$/B	1/98	AD	PC	22.260	22.260
520 "	14.43	X	\$/B	1/99	AD	PC	20.740	20.740
521 "	19.25	X	\$/B	1/2000	AD	PC	14.430	14.430
522 "	24.94	X	\$/B	1/2001	AD	PC	19.250	19.250
523 "	20.67	X	\$/B	1/2002	AD	PC	24.940	24.940
524 "	19.20	X	\$/B	1/2003	AD	PC	20.670	20.670
525 "	18.18	X	\$/B	1/2004	AD	PC	19.200	19.200
526 "	18.13	X	\$/B	TO	LIFE	PC	18.180	20.670
531 PRI/GAS	1.8900	X	\$/M	1/95	MM/YY	PC		
532 "	1.94	X	\$/M	1/96	AD	PC	1.890	1.890
533 "	2.61	X	\$/M	1/97	AD	PC	1.940	1.940
534 "	2.59	X	\$/M	1/98	AD	PC	2.610	2.610
535 "	2.11	X	\$/M	1/99	AD	PC	2.590	2.590
536 "	2.27	X	\$/M	1/2000	AD	PC	2.110	2.110
537 "	2.60	X	\$/M	1/2001	AD	PC	2.270	2.270
538 "	2.58	X	\$/M	1/2002	AD	PC	2.600	2.600
539 "	2.57	X	\$/M	TO	LIFE	PC	2.580	2.580
544 OPC/T	1190.00	X	\$/M	TO	LIFE	SCH	1190.000	1190.000
549 STX/OIL	7.08	X	\$	TO	LIFE	PC	.071	.071
554 STX/GAS	7.93	X	\$	TO	LIFE	PC	.079	.079
559 ATX	.17	X	\$	TO	LIFE	PC	.002	.002
564 PRI/OIL	-.9100	-	\$/B	TO	LIFE	PC	-.910	20.670
569 PRI/GAS	-.1300	-	\$/M	TO	LIFE	PC	-.130	2.580
700 LSE/WI	100.0000	D	\$	TO	LIFE	FLAT	1.000	1.000
701 OWN/WI	100.0000	D	\$	TO	LIFE	FLAT	1.000	1.000
720 LSE/RIC	12.5000	D	\$	TO	LIFE	FLAT	.125	.125
721 OWN/RIC	.0000	D	\$	TO	LIFE	FLAT	.125	.125
740 LSE/RIG	12.5000	D	\$	TO	LIFE	FLAT	.125	.125
760 LSE/ORR	.0000	D	\$	TO	LIFE	FLAT	.125	.125
761 OWN/ORR	.0000	D	\$	TO	LIFE	FLAT	.125	.125

OVERLAYS	SCHEDULING RATES	SCHEDULE UNTIL	PROCEDURE	ULTIMATE	LAST	EFF. DECL	INIT. RATE	FINAL RATE
905 LOAD	P.OIL OIL #			10.469	2/00			
910 LOAD	P.GAS GAS #			14.490	2/00			
915 LOAD	P.WATER WTR #			2.318	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	11/94 AD		825.000	11/94		825.0	825.0
801 SALVAGE	-33.00	TO LIFE		-33.000	6/ 1		-33.0	-33.0

RESERVE PARAMETERS	ITEM
201 LOSS	NO
205 CUMG, MB	10.42

PROJECT ASSUMPTIONS	ITEM
205 CUMG, MB	14.38
	CUMG, MB

BASE DATE	TIME FRAMES	PROD QUAL	OWNER QUAL	DISC. FREQUENCY	OTHER QUAL
11/94	1*2 38*12 1*600	CD	CD	365.	CD
11/94	PW %-AGE : 10.0	CD	CD		
11/94	REPORT DATE : 11/94	CD	CD		

DATE : 02/07/00
 TIME : 13:42:49
 DBS FILE : JRUPA
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 SEQ NUMBER : 46

RESERVES AND ECONOMICS

EFFECTIVE DATE: 11/94

PERIOD ENDING 12/94 12/95 12/96 12/97 12/98 12/99 12/00 12/01 TOTAL 6.6 YR

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 825.0 .0 .0 .0 .0 .0 .0 .0 792.0
 5) RISK .0 .0 .0 .0 .0 .0 .0 .0 .0
 7) TOTAL 825.0 .0 .0 .0 .0 .0 .0 .0 792.0

OIL PHASE

8) GROSS OIL, MB .7 4.5 2.5 1.2 .8 .7 .8 .3 11.4
 9) NET OIL, MB .6 3.9 2.2 1.0 .7 .6 .7 .3 10.0
 10) OIL REVENUE, M\$ 9.6 68.1 47.2 20.1 9.6 11.8 15.8 5.3 187.4
 11) OIL PRICE, \$/B 15.97 17.48 21.35 19.83 13.52 18.34 24.03 19.76 18.75

GAS PHASE

12) GROSS GAS, MMF 1.0 5.1 3.4 1.9 1.3 1.6 1.4 .6 16.3
 13) NET GAS, MMF .9 4.5 3.0 1.7 1.1 1.4 1.3 .5 14.2
 14) GAS REVENUE, M\$ 1.5 8.1 7.4 4.1 2.2 3.1 3.1 1.2 30.6
 15) GAS PRICE, \$/MCF 1.760 1.810 2.480 2.460 1.980 2.140 2.470 2.450 2.150

WATER PHASE

16) GROSS WATER, MB .0 .2 .1 1.0 .5 .5 .1 .0 2.3
 17) NET WATER, MB .0 .2 .1 1.0 .5 .5 .1 .0 2.3
 18) WATER PRICE, \$/B .000 .000 .000 .000 .000 .000 .000 .000 .000

ECONOMICS, M\$

19) GROSS REV. TO INTR. 11.1 76.1 54.6 24.2 11.8 14.9 18.9 6.5 218.0
 20) - SEV. TAX .8 5.5 3.9 1.7 .9 1.1 1.4 .5 15.7
 22) - AD VALOREM TAX .0 .1 .1 .0 .0 .0 .0 .0 .3
 23) - OPERATING COSTS 2.4 14.3 14.3 14.3 14.3 14.3 14.3 6.0 94.0
 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 7.9 56.3 36.3 8.1 -3.4 -1.5 3.2 .1 108.0
 29) - INVESTMENTS & RSK 825.0 .0 .0 .0 .0 .0 .0 -33.0 792.0
 30) = BFIT NET -817.1 56.3 36.3 8.1 -3.4 -1.5 3.2 33.1 -684.0

PRESENT WORTH @ 10.00 %

31) NET INCOME 7.8 52.7 30.7 6.2 -2.3 -.3 1.8 .0 96.6
 32) INVESTMENTS & RISK 825.0 .0 .0 .0 .0 .0 .0 -17.2 807.8
 33) BFIT NET -817.2 52.7 30.7 6.2 -2.3 -.3 1.8 17.3 -711.1
 34) CUM BFIT NET -817.2 -764.5 -733.8 -727.6 -729.9 -730.2 -728.4 -711.1 -711.1

DATE : 02/07/00
 TIME : 13:42:49
 DBS FILE : JRUPA
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 SEQ NUMBER : 46

AFTER TAX ECONOMICS

PERIOD ENDING	12/94	12/95	12/96	12/97	12/98	12/99	12/00	12/01	6.6 YR TOTAL
TAX TREATMENT OF INVESTMENTS, M\$									
1) EXP, RISK & CAP INT	495.0	.0	.0	.0	.0	.0	.0	.0	495.0
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.	11.1	76.1	54.6	24.2	11.8	14.9	18.9	6.5	218.0
5) - SEVERANCE TAX	.8	5.5	3.9	1.7	.9	1.1	1.4	.5	15.7
6) - WPT TAX NET	.0	.0	.0	.0	.0	.0	.0	.0	.0
7) - OPR. COSTS & ATX	2.4	14.4	14.4	14.3	14.3	14.3	14.3	6.0	94.4
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.	495.0	.0	.0	.0	.0	.0	.0	.0	495.0
11) - DEPRECIATION	7.9	52.7	77.0	55.0	39.3	29.5	29.5	39.3	330.0
12) = NET	-495.0	3.5	-40.7	-46.9	-42.6	-30.0	-26.3	-39.2	-717.0
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	-495.0	3.5	-40.7	-46.9	-42.6	-30.0	-26.3	-39.2	-717.0
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	1.2	-14.2	-16.4	-14.9	-10.5	-9.2	-13.7	-251.0
20) REVENUE-SEV-WPT	10.3	70.7	50.6	22.4	10.9	13.8	17.5	6.1	202.3
21) - OPR. COSTS & ATX	2.4	14.4	14.4	14.3	14.3	14.3	14.3	6.0	94.4
22) + NPI OWNED - PAID	.0	.0	.0	.0	.0	.0	.0	.0	.0
23) - F.I.T.	-173.2	1.2	-14.2	-16.4	-14.9	-10.5	-9.2	-13.7	-251.0
24) = A.F.I.T.	181.1	55.0	50.5	24.5	11.6	10.0	12.4	13.8	358.9
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	181.1	55.0	50.5	24.5	11.6	10.0	12.4	13.8	358.9
28) - INVESTMENTS & RSK	825.0	.0	.0	.0	.0	.0	.0	-33.0	792.0
29) = A.F.I.T. NET	-643.9	55.0	50.5	24.5	11.6	10.0	12.4	46.8	-433.1

PRESENT WORTH @ 10.00 %

30) NET INCOME	179.6	51.5	42.8	18.8	8.0	6.3	7.0	7.3	321.3
31) INVESTMENTS & RISK	825.0	.0	.0	.0	.0	.0	.0	-17.2	807.8
32) A.F.I.T. NET	-645.4	51.5	42.8	18.8	8.0	6.3	7.0	24.5	-486.5
33) CUM. A.F.I.T. NET	-645.4	-593.9	-551.1	-532.3	-524.3	-518.0	-511.0	-486.5	-486.5

JRU #71 WOLFCAMP

DATE : 02/07/00
TIME : 13:42:49
DBS FILE : JRUPA
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ECONOMIC INDICATORS

AS OF DATE: 11/94

B.F.I.T. WORTH M\$-----	A.F.I.T. WORTH M\$-----	A.F.I.T. BONUS M\$-----
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PRESENT WORTH PROFILE AND
RATE-OF-RETURN VS. BONUS TABLE

0.	-684.030	-433.070	-666.261
2.	-690.492	-445.737	-671.725
5.	-699.115	-462.706	-678.220
6.	-701.735	-467.877	-680.009
8.	-706.639	-477.568	-683.120
10.	-711.135	-486.465	-685.694
20.	-728.872	-521.597	-693.123
30.	-741.262	-545.925	-695.600
40.	-750.475	-563.650	-696.035
50.	-757.699	-577.185	-695.690
60.	-763.603	-587.949	-695.118
70.	-768.576	-596.801	-694.551
80.	-772.855	-604.280	-694.081
90.	-776.591	-610.734	-693.737
100.	-779.887	-616.399	-693.518

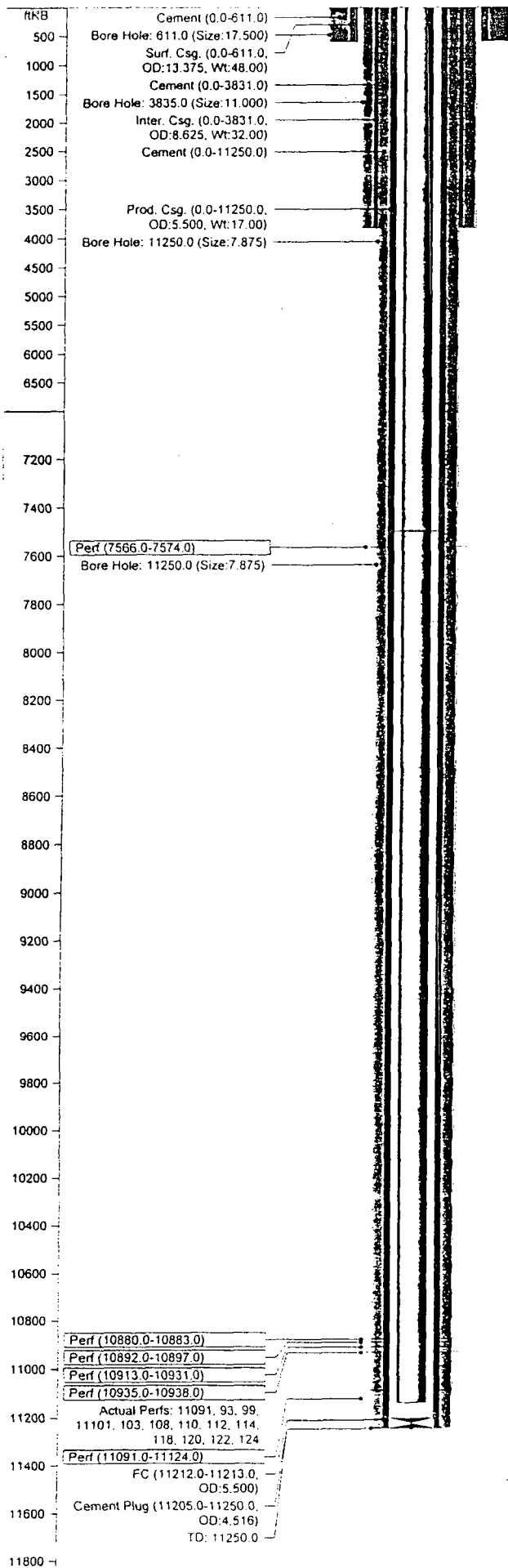
RATE OF RETURN, PCT. .0 .0

UNDISCOUNTED PAYOUT, YRS. 6.58 6.58

DISCOUNTED PAYOUT, YRS. 6.58 6.58

UNDISCOUNTED NET/INVEST. .14 .45

DISCOUNTED NET/INVEST. .12 .40



JAMES RANCH UNIT #71

API No.	3001527927	Status	ACT OIL
TD	11250.0 ftKB	Engineer	KAA
PBTD	11205.0 ftKB		
Operator	BEPCO	Permit	
Well No.	71	Spud	9/14/94
ID Code		RR	10/10/94
Field	LOS MEDANOS	Completion	10/28/94
Author	RAS	Last Act.	
Date Updated	12/28/98	Abandoned	
Comments	Drilled by Enron		

Location

Township	S022	Top Latitude	0
		Top Longitude	0
Range	E030	Top NS Distance	330.0 ft N
		Top EW Distance	660.0 ft E
Section	36	Bottom Latitude	0
Unit Ltr.	A	Bottom Longitude	0
State	NEW MEXICO	Btm NS Distance	0.0 ft
County	EDDY	Btm EW Distance	0.0 ft

Elevations

KB	3338.7 ft	Cas Flng	0.0 ft
Grd	3322.0 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
13 3/8 in Surf. Csg.	0.0	611.0	14	12.720	48.00	H-40	

Casing String - Intermediate Casing

Item (in)	Top (ftKB)	Btm (ftKB)	Jnts	ID	Wt	Grd	Thd
8 5/8 in Inter. Csg.	0.0	3831.0	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	1250.0	262	4.890	17.00	P-110	LTC
5 1/2 in FC	1212.0	1213.0		0.000	0.00		

Casing Cement

Casing String	Top (ftKB)	Amount (sx)	Comments
Surface Casing	0.0	625	
Intermediate Casing	0.0	1525	
Production Casing	0.0	2254	

Tubing String - Primary Tubing

Item (in)	Top (ftKB)	Btm (ftKB)	Jnts	ID (in)	Wt	Grd	Thd
2 7/8 in Tbg	0.0	7499.0	240	2.441	6.50	N-80	8rd
5 1/2 in Baker Model B TAC	7499.0	7502.0		2.875	0.00		
2 7/8 in Tbg	7502.0	11143.0	117	2.441	6.50	N-80	8rd
2 7/8 in Mech. SN w/strainer	11143.0	11144.0		0.000	0.00		

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

Date	Item	Int (ftKB)
10/10/94	Cement Plug	11205.0 - 11250.0

Perforations

Date	Int	Shots (/ft)	Status
10/16/94	11091.0 - 11124.0	0.4	
10/20/94	10880.0 - 10883.0	1.0	
10/20/94	10892.0 - 10897.0	1.0	
10/20/94	10913.0 - 10931.0	1.0	
10/20/94	10935.0 - 10938.0	1.0	
11/15/96	7566.0 - 7574.0	4.0	

Stimulations & Treatments

Date	Type	Interval	Fluid	Sand	Comments
10/27/94	Sand Frac	10880.0 - 11124.0			
11/20/94	Sand Frac	7566.0 - 7574.0			

WELL HISTORY

WELL NAME: James Ranch Unit No. 71

FIELD NAME: Los Medanos (Bone Spring/Wolfcamp)

LOCATION: 330' FNL & 660' FEL, Sec 36, T22S, R30E, Ut A
Eddy County, New Mexico

ELEV: 3322' GL, 3338.7' KB

SPUD DATE: 9/14/94

COMP DATE: 10/30/94

ORIG TD: 11,250'

ORIG PBTD: 11,205'

CASING: 13-3/8" 48# H-40 ST&C CSA 611' w/625 sx, cmt circ, 17-1/2" hole 0-615'.
8-5/8" 32# K-55 ST&C CSA 3831' w/1525 sx, cmt circ, 11" hole 615-3835'.
5-1/2" 17# P-110 LT&C CSA 11,250' w/2254 sx, cmt circ, 7-7/8" hole 3835-11,250'.

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

DST: None

CORES & LOGS: 10/08/94: DIL 3831-11,243', SDL/DSN 100-11,243'
10/16/94: GR/CCL 6800-7912', 8600-9011', 10,650-11,190'

INITIAL COMPLETION

10/15/94-11/8/94

Run GR/CCL 6800-7912', 8600-9011', 10,650-11,190'. PBTD 11,190'.

10/16/94 **Perf Wolfcamp 11,091', 093', 099', 11,101', 103', 108', 110', 112', 114', 118', 120', 122', 124', 1 SPF.** Set pkr @ 10,945'. **Acidized** perfs 11,091-124' w/2000 gals 7-1/2% NEFE HCL + 26 ball sealers. Flow & swab well. Rel pkr & POH.

10/20/94 **Perf 3rd Bone Springs sd 10,880-883', 10,892-897', 10,913-931', 10,935-938', 1 SPF.** Set Loc-set BP @ 11,006' & pkr @ 10,734'. **Acidized** perfs 10,880-938' w/2000 gals 7-1/2% NEFE HCL & 66 ball sealers. Flow & swab well. SI for buildup. Ran BHP bombs. Pull BHP bombs. Rel pkr & BP. **Frac Wolfcamp & Bone Spring** perfs 10,880-11,124' w/125,000 gals Medallion 3000 fluid containing 2% KCL & 7.5 gals LFC 3B, 1.22 GPT BF-10L, .8 gals XLW 60, .5 GPT GBW-12, 1 GPT NE 15, 1 GPT Cla 6, 3 GPT Xcide 207, & 325,000# 20/40 econo prop sd. Flow well up csg.
IP: 11/8/94 24 hrs F 223 BO, 60 BW, 301 MCF, FCP 400#.

**JAMES RANCH UNIT #71
WELL HISTORY**

WORKOVERS

11/29/94-12/20/94

CO FRAC SAND

Tag sd fill @ 10,922'. Circ sd out of hole to 11,204'. Swab test well. Well started flwg. Ran prod logs 10,880-937' & 11,103-11,123'.

AWO: 12/20/94 24 hrs F 96 BO, 45 BW, 177 MCF on 22/64" chk. FTP 100#, CP 1600#, LP 47#.

5/18/95-6/4/95

TEST BONE SPRINGS & WOLFCAMP PERFS

Tag PBDT @ 11,205'. Set pkr @ 11,023' (between perfs 10,880-930' & 11,091-124'). Swab and flow well. Flow testing Wolfcamp perfs on 30/64" chk. Flwd 33.4 BO, 0 BW, & 22 MCF in 24 hrs. Set Baker FWP blanking plug in SN @ 10,994'. Performed pulse test - 1st pulse: open annulus on 10/64" chk, flwd 45 mins, opened to 15/64" chk for additional 45 mins. Made 17.5 BO + 2 BW. SI annulus for 1-1/2 hrs. SITP static @ 680#, SICP built from 360-495#. 2nd pulse: opened annulus on 12/64" chk, flwd 1-1/2 hrs. Made 18 BO + 1 BW. SI 1-1/2 hrs. SITP static @ 660#, SICP built from 558-640#. 3rd pulse: Open on 22/64" chk for 1-1/2 hrs. Made 64 BO. SI for 1-1/2 hrs. SITP built from 660-890#, annulus built from 745-940#. Open annulus to frac tank overnite on 48/64" chk, made additional 164 BO overnite. During nite SITP fell from 890-660#. POH w/tbg plug. Open well on 40/64" chk. Rel pkr & press gauges. Set Otis "PSL" pkr & 2-7/8" tbg @ 10,840.72'. Swab 30 BO & well flowed. Flwg on 30/64" chk. Turn well to flwg thru prod equip.

AWO: 6/8/95 24 hr P 61 BO, 45 BW, & 134 MCF.

11/15/96 to 11/25/96

PERF & FRAC 7566-7574'(BRUSHY CANYON).

Set CIPB @ 10,516'. Ran CCL-CBL.

11/15/96

Perf: 7566-7574, 4 SPF 0° phased. **Spotted** 500 gals 7 1/2% Fercheck SC acid. Break Fm w/2975 psig, treated @ 2 PBM w/1490 psig. ISIP 1150 psig, 5 min 925 psig. **Frac** 7566-74' w/28,000 gals Delta frac w/96,500# 20/40 Brown sd + 24,000# 16/30 Brown Sd w/0.5% Prop Wrap. Swabbed, kicked off & flowed. Left flowing to tanks.

12/5/96

Well loaded up, swab well to tank, kick well off in 4 runs. Ran radioactive tracer log.

12/20/96 to 12/21/96 PUT WELL ON PUMP.

Kill well, RIH w/tbg & rods. SI well for build-up, well flowed 6 days. Started pumping 1-2-97.

2/25/97 TO 3/6/97

DRILL OUT CIBP & COMMINGLE.

Drill out CIBP & tag PBDT @ 11,205'. Open csg to test tank then sales line. Killed well, ran tbg, rods & pump. Place well on pump.

AWO: 3/10/97 117 BO, 55 BW, 158 MCFG.

9/14/98 TO 9/18/98

POLISHED ROD PART/BAIL SAND FILL

POH & found polished rod thread pulled out of 1st cplg. Tag sand fill @ 11,090'. Bailed sand to 11,158', found some rubber and large amount of cast iron metal cutting after POH. RIH w/tbg, pump and rods. Place well on production.

DISTRICT I -
P.O. Box 1940, Hobbs, NM 88240

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

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

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-10
Revised February 10, 199
Instruction on back
Submit to 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

API Number 30-015-27927	Pool Code 66352	Pool Name UWD S.-E. Quahada Ridge (Bone Springs)
Property Code 1	Property Name JAMES RANCH UNIT	Well Number 71
OGRID No. 001801	Operator Name BASS ENTERPRISES PRODUCTION CO.	Elevation 3322'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	36	22S	30E		330	NORTH	660	EAST	EDDO

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

Dedicated Acres	Joint or In/Out	Consolidation Code	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

	OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. <u>William R. Dannels</u> Signature William R. Dannels Printed Name Division Drilling Supt Title <u>4-6-94</u> Date	
	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 Surveyed <u>MARCH 29, 1994</u> Signature & Seal of Professional Surveyor W.O. NUM, No. 94-114-0558 Certificate No. <u>JOHN W. WEST, 876</u> <u>RONALD J. EIDSON, 3239</u> <u>CARY L. JONES, 7977</u>	

Submit to Appropriate
District Office
State Lease - 6 copies
Fee Lease - 5 copies
DISTRICT I
P.O. Box 1980, Hobbs, NM 87401

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

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

State of New Mexico
Energy, Minerals and Natural Resources Department

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

FD-710 (10-1-82)

Form C-105
Revised 1-1-89

DEC - 5 1994

WELL API NO.

DEPT. 30, 015 27927

5. Indicate Type of Lease

STATE ☒

FEE ☐

6. State Oil & Gas Lease No.

E-5229-4

7. Lease Name or Unit Agreement Name

James Ranch Unit

8. Well No.

71

9. Pool name or wildcard

Und. Bone Spring/Wolfcamp

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 ☐

DEEPEN ☐

PLUG BACK ☐

DIFF. RESER. ☐

OTHER ☐

2. Name of Operator

Enron Oil & Gas Company

3. Address of Operator

P. O. Box 2267, Midland, Texas 79702

4. Well Location

Unit Letter A : 330 Feet From The north Line and 660 Feet From The east Line

Section 36 Township 22S Range 30E NMPM Eddy County

10. Date Spudded

9-14-94

11. Date T.D. Reached

10-6-94

12. Date Compl. (Ready to Prod.)

10-15-94

13. Elevations (DF & RKB, RT, GR, etc.)

3322' GR

14. Elev. Casinghead

3322'

15. Total Depth

11,250

16. Plug Back T.D.

11,205

17. If Multiple Compl. How Many Zones?

18. Intervals Drilled By

Rotary Tools

Cable Tools

X

19. Producing Interval(s), of this completion - Top, Bottom, Name

11091-11124 (Wolfcamp) & 10880-10938 (Bone Spring)

20. Was Directional Survey Made

No

21. Type Electric and Other Logs Run

SDL-DSN, DIL

22. Was Well Cored

No

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB/FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8	48	611	17-1/2	625 C1 C	Circulated
8-5/8	32	3831	11	1300 PSL C & 225 C1 C	Circulated
5-1/2	17	11250	7-7/8	1189 Super H & 1065 C1 H	

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN
				None

25. TUBING RECORD

SIZE	DEPTH SET	PACKER SET

26. Perforation record (interval, size, and number)

11091-11124 (.38" 13)
10880-10938 (.38" 29)

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

DEPTH INTERVAL | AMOUNT AND KIND MATERIAL USED

11091-11124 | 2000 gal 7-1/2% NeFe HCL
10880-10938 | 2000 gal 7-1/2% NeFe HCL
10880-11124 | 125,000 gal Medallion 3000

PRODUCTION fluid & 325,000# 20/40 Econo Prop

Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump)				Well Status (Prod. or Shut-in)	
10-27-94		Flowing				Producing	
Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl	Gas - MCF	Water - Bbl	Gas - Oil Ratio
11-5-94	24	18/64		169	295	127	1746
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl	Gas - MCF	Water - Bbl	Oil Gravity - API - (Corr.)	
-	640					40.0	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

Vented

Test Witnessed By

30. Log Attachments

Logs, Inclination Report, C-104

31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature

Betty Gildon

Printed Name

Betty Gildon

Title

Regulatory Analyst

Date 11/9/94

XC: MANGAN, McCREIGHT, WHITE, CLARK, SMITHERMAN

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 25 through 29 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northwestern New Mexico

Southeastern New Mexico		Northwestern New Mexico	
Rustler _____		T. Ojo Alamo _____	T. Perm. "B" _____
T. Aztec _____ 310	T. Canyon _____	T. Kirtland-Fruitland _____	T. Perm. "C" _____
T. Salt _____	T. Strawn _____	T. Pictured Cliffs _____	T. Perm. "D" _____
B. Salt _____ 3610	T. Atoka _____	T. Cliff House _____	T. Leadville _____
T. Yates _____	T. Miss _____	T. Menefee _____	T. Madison _____
T. 7 Rivers _____	T. Devonian _____	T. Point Lookout _____	T. Elbert _____
T. Queen _____	T. Silurian _____	T. Mancos _____	T. McCracken _____
T. Grayburg _____	T. Montoya _____	T. Gallup _____	T. Ignacio Otzite _____
T. San Andres _____	T. Simpson _____	Base Greenhorn _____	T. Granite _____
T. Glorieta _____	T. McKee _____	T. Dakota _____	T. _____
T. Paddock _____	T. Ellenburger _____	T. Morrison _____	T. _____
T. Blinberry _____	T. Gr. Wash _____	T. Todilto _____	T. _____
T. Tubb _____	T. Delaware Sand 3858	T. Entrada _____	T. _____
T. Drinkard _____	T. Bone Springs 7700	T. Wingate _____	T. _____
T. Abo _____	T. 3rd B.S. Sand 10545	T. Chinle _____	T. _____
T. Wolfcamp _____	T. Wolfcamp 10980	T. Permain _____	T. _____
T. Penn _____	T. _____	T. Perm "A" _____	T. _____
T. Cisco (Bough C) _____	T. _____		

OIL OR GAS SANDS OR ZONES

No. 1, from 10880 to 10938 Bone Spring No. 3, from to
No. 2, from 11091 to 11124 Wolfcamp No. 4, from to

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1. from.....None.....feet
No. 2. from.....ft.....feet
No. 3. from.....ft.....feet

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness in Feet	Lithology	From	To	Thickness in Feet	Lithology
0	615	615	Surface Rock				
615	2405	1790	Red Bed				
2405	3665	1260	Salt, Anhy				
3665	4585	920	Dolo, Anhy				
4585	11250	6665	Sand, Shale, LS				